

# **QUARTERLY STATEMENT**

**OF THE**

**TIAA-CREF LIFE INSURANCE COMPANY**

**TO THE**

**Insurance Department**

**OF THE**

**STATE OF**

**FOR THE QUARTER ENDED  
JUNE 30, 2021**

☐ **LIFE, ACCIDENT AND HEALTH**

☐ **FRATERNAL BENEFIT SOCIETIES**

# **2021**



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

## QUARTERLY STATEMENT

AS OF JUNE 30, 2021  
OF THE CONDITION AND AFFAIRS OF THE

### TIAA-CREF Life Insurance Company

NAIC Group Code	1216 (Current)	1216 (Prior)	NAIC Company Code	60142	Employer's ID Number	13-3917848
Organized under the Laws of	New York			State of Domicile or Port of Entry	NY	
Country of Domicile	United States of America					
Licensed as business type:	Life, Accident and Health <input checked="" type="checkbox"/> Fraternal Benefit Societies <input type="checkbox"/>					
Incorporated/Organized	11/20/1996		Commenced Business	12/18/1996		
Statutory Home Office	730 Third Avenue (Street and Number)		New York, NY, US 10017 (City or Town, State, Country and Zip Code)			
Main Administrative Office	730 Third Avenue (Street and Number)		212-490-9000 (Area Code) (Telephone Number)			
	New York, NY, US 10017 (City or Town, State, Country and Zip Code)					
Mail Address	730 Third Avenue (Street and Number or P.O. Box)		New York, NY, US 10017 (City or Town, State, Country and Zip Code)			
Primary Location of Books and Records	730 Third Avenue (Street and Number)		212-490-9000 (Area Code) (Telephone Number)			
	New York, NY, US 10017 (City or Town, State, Country and Zip Code)					
Internet Website Address	tiaa.org					
Statutory Statement Contact	Stacy Eisenhauer (Name)		704-988-4560 (Area Code) (Telephone Number)			
	StatutoryReporting@tiaa.org (E-mail Address)					
			(FAX Number)			

#### OFFICERS

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

#### OTHER

Todd Richard Sagmoe, Vice President, Head of Insurance, Illustration Actuary	Jennifer Christine Sisom, Treasurer
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#### DIRECTORS OR TRUSTEES

Rashmi Dilip Badwe	Anne (NMN) Dobkowski	Christine Ellen Dugan
Bradley (NMN) Finkle	William Gunnar Griesser	Eric Thomas Jones
Timothy Wayne Penrose #	Oluseun S. Salami	

State of New York SS:  
County of New 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 Eisenhauer Vice President & Chief Financial Officer

Subscribed and sworn to before me this 2nd day of August, 2021

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

VINCENZA IENI  
NOTARY PUBLIC-STATE OF NEW YORK  
No. 011E6211858  
Qualified in Westchester County  
My Commission Expires 09-21-2021



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 .....	11,820,158,582		11,820,158,582	11,168,305,205
2. Stocks:				
2.1 Preferred stocks .....	9,681,690		9,681,690	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 (\$ .....2,100,085 ), cash equivalents (\$ .....9,500,000 ) and short-term investments (\$ .....3,316,766 ) .....	14,916,851		14,916,851	282,344,073
6. Contract loans (including \$ ..... premium notes) .....	43,730,443		43,730,443	43,088,814
7. Derivatives .....				
8. Other invested assets .....	4,656,073		4,656,073	4,666,857
9. Receivables for securities .....	159,426		159,426	142,812
10. Securities lending reinvested collateral assets .....				
11. Aggregate write-ins for invested assets .....				
12. Subtotals, cash and invested assets (Lines 1 to 11) .....	11,893,303,065		11,893,303,065	11,498,730,643
13. Title plants less \$ ..... charged off (for Title insurers only) .....				
14. Investment income due and accrued .....	91,618,462		91,618,462	90,840,832
15. Premiums and considerations:				
15.1 Uncollected premiums and agents' balances in the course of collection .....	1,911,030		1,911,030	2,146,077
15.2 Deferred premiums, agents' balances and installments booked but deferred and not yet due (including \$ ..... earned but unbilled premiums) .....	53,147,317	33,359,238	19,788,079	20,125,589
15.3 Accrued retrospective premiums (\$ ..... ) and contracts subject to redetermination (\$ ..... ) .....				
16. Reinsurance:				
16.1 Amounts recoverable from reinsurers .....	2,817,919		2,817,919	1,956,512
16.2 Funds held by or deposited with reinsured companies .....				
16.3 Other amounts receivable under reinsurance contracts .....	965,579		965,579	2,574,322
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 .....	49,377,014	32,526,318	16,850,696	17,788,134
19. Guaranty funds receivable or on deposit .....	164,719		164,719	164,719
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 .....				
24. Health care (\$ ..... ) and other amounts receivable .....				
25. Aggregate write-ins for other than invested assets .....	8,242,852	11,358	8,231,494	19,893,537
26. Total assets excluding Separate Accounts, Segregated Accounts and Protected Cell Accounts (Lines 12 to 25) .....	12,101,547,957	65,896,914	12,035,651,043	11,654,220,365
27. From Separate Accounts, Segregated Accounts and Protected Cell Accounts .....	4,589,430,041		4,589,430,041	4,106,499,075
28. Total (Lines 26 and 27)	16,690,977,998	65,896,914	16,625,081,084	15,760,719,440
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 .....	8,242,852	11,358	8,231,494	19,893,537
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)	8,242,852	11,358	8,231,494	19,893,537

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, 2021 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 \$ .....3,780,499,936 less \$ ..... included in Line 6.3 (including \$ .....261,820,535 Modco Reserve) .....	3,780,499,936	3,750,734,732
2. Aggregate reserve for accident and health contracts (including \$ ..... Modco Reserve) .....		
3. Liability for deposit-type contracts (including \$ ..... Modco Reserve) .....	7,227,078,024	6,961,430,611
4. Contract claims:		
4.1 Life .....	11,651,579	11,769,754
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 .....	181,151	115,087
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 \$ .....6,362,847 ceded .....	6,362,847	9,225,696
9.4 Interest Maintenance Reserve .....	36,443,877	32,340,802
10. Commissions to agents due or accrued-life and annuity contracts \$ .....502,705 , accident and health \$ ..... and deposit-type contract funds \$ ..... .....	502,705	638,187
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 \$ .....(4,632,080) accrued for expense allowances recognized in reserves, net of reinsured allowances) .....	(9,030,557)	(8,854,368)
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) .....	833,341	6,702,644
15.2 Net deferred tax liability .....		
16. Unearned investment income .....		
17. Amounts withheld or retained by reporting entity as agent or trustee .....	935,963	544,530
18. Amounts held for agents' account, including \$ ..... agents' credit balances .....		
19. Remittances and items not allocated .....	17,985,093	17,061,398
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 \$ .....11,000,000 and interest thereon \$ ..... .....	11,000,000	
23. Dividends to stockholders declared and unpaid .....		
24. Miscellaneous liabilities:		
24.01 Asset valuation reserve .....	61,074,465	56,001,515
24.02 Reinsurance in unauthorized and certified (\$ ..... ) companies .....	1,958,198	650,619
24.03 Funds held under reinsurance treaties with unauthorized and certified (\$ ..... ) reinsurers .....		
24.04 Payable to parent, subsidiaries and affiliates .....	10,044,567	8,421,917
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 .....	10,000,000	
24.10 Payable for securities lending .....		
24.11 Capital notes \$ ..... and interest thereon \$ ..... .....		
25. Aggregate write-ins for liabilities .....	110,142	110,375
26. Total liabilities excluding Separate Accounts business (Lines 1 to 25) .....	11,167,631,331	10,846,893,499
27. From Separate Accounts Statement .....	4,578,011,160	4,095,042,573
28. Total liabilities (Lines 26 and 27) .....	15,745,642,491	14,941,936,072
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) .....	99,438,593	38,783,368
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 \$ .....11,418,881 in Separate Accounts Statement) .....	876,938,593	816,283,368
38. Totals of Lines 29, 30 and 37 .....	879,438,593	818,783,368
39. Totals of Lines 28 and 38 (Page 2, Line 28, Col. 3) .....	16,625,081,084	15,760,719,440
<b>DETAILS OF WRITE-INS</b>		
2501. Miscellaneous liabilities .....	110,142	110,375
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) .....	110,142	110,375
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, 2021 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 .....	223,255,668	195,101,901	368,301,383
2. Considerations for supplementary contracts with life contingencies .....	2,647,241	875,997	1,743,154
3. Net investment income .....	177,085,807	166,519,362	351,245,443
4. Amortization of Interest Maintenance Reserve (IMR) .....	1,915,541	701,173	2,518,607
5. Separate Accounts net gain from operations excluding unrealized gains or losses .....	279,667	40,036	(357,077)
6. Commissions and expense allowances on reinsurance ceded .....	4,674,971	5,565,403	10,615,435
7. Reserve adjustments on reinsurance ceded .....	(40,478)	(7,164,873)	(8,866,705)
8. Miscellaneous Income:			
8.1 Income from fees associated with investment management, administration and contract guarantees from Separate Accounts .....	10,360,014	9,219,143	18,874,139
8.2 Charges and fees for deposit-type contracts .....			
8.3 Aggregate write-ins for miscellaneous income .....	126,897	145,188	173,920
9. Totals (Lines 1 to 8.3) .....	420,305,328	371,003,330	744,248,299
10. Death benefits .....	11,374,016	13,129,546	26,190,989
11. Matured endowments (excluding guaranteed annual pure endowments) .....			
12. Annuity benefits .....	51,348,130	34,686,359	69,715,196
13. Disability benefits and benefits under accident and health contracts .....	218,034	190,167	386,020
14. Coupons, guaranteed annual pure endowments and similar benefits .....			
15. Surrender benefits and withdrawals for life contracts .....	99,351,507	103,549,672	206,907,671
16. Group conversions .....			
17. Interest and adjustments on contract or deposit-type contract funds .....	42,738,837	50,549,628	113,162,353
18. Payments on supplementary contracts with life contingencies .....	350,192	262,769	561,514
19. Increase in aggregate reserves for life and accident and health contracts .....	31,333,438	10,998,539	(186,638,577)
20. Totals (Lines 10 to 19) .....	236,714,154	213,366,680	230,285,166
21. Commissions on premiums, annuity considerations, and deposit-type contract funds (direct business only) .....	2,890,873	3,623,918	7,531,245
22. Commissions and expense allowances on reinsurance assumed .....			
23. General insurance expenses and fraternal expenses .....	31,076,120	30,640,331	65,848,136
24. Insurance taxes, licenses and fees, excluding federal income taxes .....	3,281,943	3,062,326	7,451,908
25. Increase in loading on deferred and uncollected premiums .....	1,378,408	673,824	630,698
26. Net transfers to or (from) Separate Accounts net of reinsurance .....	43,615,946	36,051,040	44,786,180
27. Aggregate write-ins for deductions .....	22,000,580	31,020,356	52,841,778
28. Totals (Lines 20 to 27) .....	340,958,024	318,438,475	409,375,111
29. Net gain from operations before dividends to policyholders and federal income taxes (Line 9 minus Line 28) .....	79,347,304	52,564,855	334,873,188
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) .....	79,347,304	52,564,855	334,873,188
32. Federal and foreign income taxes incurred (excluding tax on capital gains) .....	14,777,914	8,385,672	18,633,673
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) .....	64,569,390	44,179,183	316,239,515
34. Net realized capital gains (losses) (excluding gains (losses) transferred to the IMR) less capital gains tax of \$ .....837,687 (excluding taxes of \$ .....1,599,885 transferred to the IMR) .....	(830,340)	(1,472,811)	(4,720,931)
35. Net income (Line 33 plus Line 34) .....	63,739,050	42,706,372	311,518,584
<b>CAPITAL AND SURPLUS ACCOUNT</b>			
36. Capital and surplus, December 31, prior year .....	818,783,368	510,536,606	510,536,606
37. Net income (Line 35) .....	63,739,050	42,706,372	311,518,584
38. Change in net unrealized capital gains (losses) less capital gains tax of \$ .....	1,098,808		
39. Change in net unrealized foreign exchange capital gain (loss) .....			
40. Change in net deferred income tax .....	602,517	(2,683,981)	(48,431,979)
41. Change in nonadmitted assets .....	344,433	4,163,156	49,926,922
42. Change in liability for reinsurance in unauthorized and certified companies .....	(1,307,579)	4,210,325	4,216,864
43. Change in reserve on account of change in valuation basis, (increase) or decrease .....	1,568,234		(4,573,851)
44. Change in asset valuation reserve .....	(5,072,950)	(3,085,818)	(3,320,769)
45. Change in treasury stock .....			
46. Surplus (contributed to) withdrawn from Separate Accounts during period .....			
47. Other changes in surplus in Separate Accounts Statement .....	(317,288)	(1,041,616)	(1,089,009)
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 .....			
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) .....	60,655,225	44,268,438	308,246,762
55. Capital and surplus, as of statement date (Lines 36 + 54) .....	879,438,593	554,805,044	818,783,368
<b>DETAILS OF WRITE-INS</b>			
08.301. Miscellaneous income .....	126,897	145,188	173,920
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) .....	126,897	145,188	173,920
2701. Miscellaneous deductions .....	22,000,580	31,020,356	52,841,778
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) .....	22,000,580	31,020,356	52,841,778
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, 2021 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
<b>Cash from Operations</b>			
1. Premiums collected net of reinsurance .....	224,169,411	193,308,846	370,066,838
2. Net investment income .....	178,433,951	157,935,135	338,936,436
3. Miscellaneous income .....	16,296,344	15,305,674	30,940,917
4. Total (Lines 1 to 3) .....	418,899,706	366,549,655	739,944,191
5. Benefit and loss related payments .....	185,404,202	187,239,751	363,787,078
6. Net transfers to Separate Accounts, Segregated Accounts and Protected Cell Accounts .....	43,792,135	32,711,898	43,976,708
7. Commissions, expenses paid and aggregate write-ins for deductions .....	37,456,683	37,344,556	80,840,419
8. Dividends paid to policyholders .....			
9. Federal and foreign income taxes paid (recovered) net of \$ ..... 3,610,041 tax on capital gains (losses) .....	23,084,789	8,108,135	18,764,060
10. Total (Lines 5 through 9) .....	289,737,809	265,404,340	507,368,265
11. Net cash from operations (Line 4 minus Line 10) .....	129,161,896	101,145,315	232,575,926
<b>Cash from Investments</b>			
12. Proceeds from investments sold, matured or repaid:			
12.1 Bonds .....	605,647,655	422,896,851	1,131,646,067
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 .....	3,768	10,358	12,266
12.7 Miscellaneous proceeds .....	10,000,000	268,754,932	1,805,457
12.8 Total investment proceeds (Lines 12.1 to 12.7) .....	615,651,423	691,662,141	1,133,463,790
13. Cost of investments acquired (long-term only):			
13.1 Bonds .....	1,251,993,942	2,469,011,248	3,619,358,788
13.2 Stocks .....	8,400,000		
13.3 Mortgage loans .....			
13.4 Real estate .....			
13.5 Other invested assets .....			
13.6 Miscellaneous applications .....	1,887,678	436,986	15,339,667
13.7 Total investments acquired (Lines 13.1 to 13.6) .....	1,262,281,620	2,469,448,234	3,634,698,455
14. Net increase (or decrease) in contract loans and premium notes .....	641,629	2,289,804	3,262,251
15. Net cash from investments (Line 12.8 minus Line 13.7 and Line 14) .....	(647,271,826)	(1,780,075,897)	(2,504,496,916)
<b>Cash from Financing and Miscellaneous Sources</b>			
16. Cash provided (applied):			
16.1 Surplus notes, capital notes .....			
16.2 Capital and paid in surplus, less treasury stock .....			
16.3 Borrowed funds .....	11,000,000		
16.4 Net deposits on deposit-type contracts and other insurance liabilities .....	223,196,803	1,743,193,766	2,307,362,446
16.5 Dividends to stockholders .....			
16.6 Other cash provided (applied) .....	16,485,904	(24,171,474)	(32,476,146)
17. Net cash from financing and miscellaneous sources (Line 16.1 through Line 16.4 minus Line 16.5 plus Line 16.6) .....	250,682,707	1,719,022,292	2,274,886,300
<b>RECONCILIATION OF CASH, CASH EQUIVALENTS AND SHORT-TERM INVESTMENTS</b>			
18. Net change in cash, cash equivalents and short-term investments (Line 11, plus Lines 15 and 17) ..	(267,427,223)	40,091,710	2,965,310
19. Cash, cash equivalents and short-term investments:			
19.1 Beginning of year .....	282,344,073	279,378,763	279,378,763
19.2 End of period (Line 18 plus Line 19.1) .....	14,916,851	319,470,473	282,344,073
<b>Note: Supplemental disclosures of cash flow information for non-cash transactions:</b>			
20.0001. Exchange/restructure/transfer of bond investments .....	24,859,016	80,991,832	213,446,281
20.0002. Capitalized interest .....	1,366,606	1,425,653	2,876,981
20.0003. Interest credited on deposit type contracts .....	43,580,527	50,743,127	112,220,476

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 .....	97,624,309	103,460,200	211,986,655
3. Ordinary individual annuities .....	143,363,052	109,021,533	193,027,282
4. Credit life (group and individual) .....			
5. Group life insurance .....	22,561,333	23,395,462	48,757,191
6. Group annuities .....			
7. A & H - group .....			
8. A & H - credit (group and individual) .....			
9. A & H - other .....	3,349,684	3,471,367	6,974,320
10. Aggregate of all other lines of business .....			
11. Subtotal (Lines 1 through 10) .....	266,898,378	239,348,562	460,745,448
12. Fraternal (Fraternal Benefit Societies Only) .....			
13. Subtotal (Lines 11 through 12) .....	266,898,378	239,348,562	460,745,448
14. Deposit-type contracts .....	835,353,743	3,171,599,185	4,152,227,703
15. Total (Lines 13 and 14)	1,102,252,121	3,410,947,747	4,612,973,151
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

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 (“NYDFS” or 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	06/30/2021	12/31/2020
Net Income (loss), New York SAP.....				\$ 63,739,050	\$ 311,518,584
New York SAP Prescribed Practices that are an increase/(decrease) from NAIC SAP:					
Additional Reserves for Term Conversions.....	51R	4	19	185,099	637,817
Net Income (loss), NAIC SAP.....				<u>\$ 63,553,951</u>	<u>\$ 310,880,767</u>
Capital and Surplus, New York SAP.....				\$ 879,438,593	\$ 818,783,368
New York SAP Prescribed Practices that are an increase/(decrease) from NAIC SAP:					
Deferred Premium Asset Limitation.....	51R, 61R	2	15.2	(716,575)	(745,335)
Additional Reserves for Term Conversions.....	51R	3	1	<u>(6,291,276)</u>	<u>(6,476,375)</u>
Capital and Surplus, NAIC SAP.....				<u>\$ 886,446,444</u>	<u>\$ 826,005,078</u>

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

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, 2021 and December 31, 2020 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

No material change

C. Accounting Policy

- (1) No material change
- (2) Not applicable
- (3) No material change
- (4) Non-perpetual preferred stocks are stated at amortized cost unless they have an NAIC rating designation of 4, 5, or 6 which are stated at the lower of amortized cost or fair value. Perpetual and mandatory convertible preferred stock is carried at fair value. The fair values of preferred stocks are determined using prices provided by independent pricing services or internally developed pricing models and the fair value is capped by any currently effective call price. When it is determined that a decline in fair value of an investment is other-than-temporary, the cost basis of the investment is reduced to its fair value and the amount of the reduction is accounted for as a realized loss.
- (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

## NOTES TO FINANCIAL STATEMENTS

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

### Accounting Changes

#### *Adoption of New Accounting Standards*

In July 2020, the NAIC adopted modifications to SSAP No. 32, Preferred Stock, effective January 1, 2021. The modifications define carrying value of redeemable preferred stock as amortized cost for NAIC 1-3 designations, the lower of amortized cost or fair value for NAIC 4-6 designations, and fair value for perpetual and mandatory convertible preferred stock, with the fair value capped by any currently effective call price. All preferred stock held by the Company is classified as perpetual preferred stock. Adoption of the guidance on January 1, 2021 resulted in a \$2.1 million increase in the carrying value of perpetual preferred stock to \$2.3 million at March 31, 2021 from \$0.2 million at December 31, 2020.

In May 2021, the NAIC adopted revisions to SSAP No. 103R, Transfers and Servicing of Financial Assets and Extinguishments of Liabilities. The revisions incorporate additional disclosure elements and a data-capture template for certain disclosures in SSAP No. 103R. The Company adopted this guidance and the adoption did not have a material impact to its statutory-basis financial statements.

## 3. Business Combinations and Goodwill

Not applicable

## 4. Discontinued Operations

Not applicable

## 5. Investments

### A. Mortgage Loans

Not applicable

### B. Debt Restructuring

Not applicable

NOTES TO FINANCIAL STATEMENTS

C. Reverse Mortgages

Not applicable

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, 2021, 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 recognize OTTI as of June 30, 2021.

(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	\$	3,983,521
2.	12 Months or Longer	\$	9,007

b. The aggregate related fair value of securities with unrealized losses:

1.	Less than 12 Months	\$	361,241,904
2.	12 Months or Longer	\$	1,224,853

(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

**NOTES TO FINANCIAL STATEMENTS****O. 5GI Securities**

Not applicable

**P. Short Sales**

Not applicable

**Q. Prepayment Penalty and Acceleration Fees**

No material change

**R. Reporting Entity's Share of Cash Pool by Asset type**

Not applicable

**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**

A-D No material change

E. The Company maintains a \$100,000,000, 364-day revolving line of credit with TIAA. This line has an expiration date of July 1, 2022. As of June 30, 2021, \$30,000,000 of this facility was maintained on a committed basis, and there was \$11,000,000 in balances outstanding.

G-O No material change

**11. Debt**

A. As of June 30, 2021, the Company has an outstanding liability for borrowed money on a revolving line of credit in the amount of \$11,000,000 due to TIAA. The borrowings took place on June 24, 2021, with the principal amount due in 2021 and at an interest rate of 1.665% to be paid annually. As of June 30, 2021, the Company has paid \$509 in interest on the \$11,000,000 outstanding. The Company is not required to maintain a collateral security deposit.

B. Not applicable

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

Not applicable

**13. Capital and Surplus, Dividend Restrictions and Quasi-Reorganizations**

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

## NOTES TO FINANCIAL STATEMENTS

### 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

### 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.



NOTES TO FINANCIAL STATEMENTS

(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, 2021:

	Level 1	Level 2	Level 3	Net Asset Value (NAV)	Total
Assets at fair value:					
Preferred stock .....	\$ 908,730	\$ 8,772,960	\$ —	\$ —	\$ 9,681,690
Separate account assets .....	\$ 4,567,715,039	\$ 21,715,003		\$ —	\$ 4,589,430,042
Total assets at fair value .....	<u>\$ 4,568,623,769</u>	<u>\$ 30,487,963</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ 4,599,111,732</u>
Total liabilities at fair value .....	<u>\$ —</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ —</u>

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

At June 30, 2021 and December 31, 2020, 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, 2021. 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.

Preferred stocks included in Level 2 include those which are traded in an inactive market for which prices for identical securities are not available. Valuations are based principally on observable inputs including quoted prices in markets that are not considered active.

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.

NOTES TO FINANCIAL STATEMENTS

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.

C. Aggregate fair value for all financial instruments:

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

	Aggregate Fair Value	Admitted Assets	Level 1	Level 2	Level 3	Net Asset Value (NAV)	Not Practicable (Carrying Value)
<b>Assets:</b>							
Bonds .....	\$12,775,486,573	\$11,820,158,582	\$ —	\$12,766,380,554	\$ 9,106,019	\$ —	\$ —
Preferred stock .....	9,681,690	9,681,690	908,730	8,772,960	—	—	—
Other invested assets .....	5,840,101	4,656,073	—	5,840,101	—	—	—
Separate account assets ....	4,589,430,042	4,589,430,042	4,567,715,039	21,715,003	—	—	—
Contract loans .....	43,730,443	43,730,443	—	—	43,730,443	—	—
Cash, cash equivalents & short term investments ...	14,910,952	14,916,851	2,100,085	12,810,867	—	—	—
Total .....	<u>\$17,439,079,801</u>	<u>\$16,482,573,681</u>	<u>\$4,570,723,854</u>	<u>\$12,815,519,485</u>	<u>\$ 52,836,462</u>	<u>\$ —</u>	<u>\$ —</u>
<b>Liabilities:</b>	Aggregate Fair Value	Liabilities	Level 1	Level 2	Level 3	Net Asset Value (NAV)	Not Practicable (Carrying Value)
Deposit-type contracts	\$ 7,227,078,024	\$ 7,227,078,024	\$ —	\$ —	\$7,227,078,024	\$ —	\$ —
Separate account liabilities	4,578,011,160	4,578,011,160	—	—	4,578,011,160	—	—
Total .....	<u>\$11,805,089,184</u>	<u>\$11,805,089,184</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$11,805,089,184</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 6, 2021 for the statutory statement issued on August 6, 2021. 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

## NOTES TO FINANCIAL STATEMENTS

### 30. Premium Deficiency Reserves

Not applicable

### 31. Reserves for Life Contracts and Annuity Contracts

No material change

### 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

No material change

### 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 Governors	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 [ ] No [ X ]
- 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, 2021, the statement value of the assets on deposit with states is \$8,008,822.
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, 2021 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, 2021 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	Life Contracts		4	5	6	7
				2	3	Accident and Health Insurance Premiums, Including Policy, Membership and Other Fees	Other Considerations	Total Columns 2 Through 5	Deposit-Type Contracts
1. Alabama .....	AL	L	1,661,299	1,731,759	62,258		3,455,315	652,461	
2. Alaska .....	AK	L	141,409	111,300			252,709		
3. Arizona .....	AZ	L	1,664,253	1,489,143	47,139		3,200,535	228,270	
4. Arkansas .....	AR	L	442,797	32,534	10,753		486,084	56,408	
5. California .....	CA	L	9,711,925	12,445,646	101,887		22,259,458	180,519,113	
6. Colorado .....	CO	L	1,981,468	1,402,683			3,384,151	222,555	
7. Connecticut .....	CT	L	3,261,669	2,409,215	71,410		5,742,294	19,765,336	
8. Delaware .....	DE	L	1,781,534	1,256,492	24,078		3,062,103		
9. District of Columbia .....	DC	L	848,309	516,406	50,357		1,415,072		
10. Florida .....	FL	L	6,060,702	11,225,759	525,881		17,812,343	2,229,113	
11. Georgia .....	GA	L	2,743,932	5,343,645	94,588		8,182,165	126,757,148	
12. Hawaii .....	HI	L	329,487	31,800	4,512		365,799	142,666	
13. Idaho .....	ID	L	165,739	625,579	17,859		809,177		
14. Illinois .....	IL	L	4,580,754	1,980,185	70,007		6,630,947	706,270	
15. Indiana .....	IN	L	1,602,430	1,456,589	58,273		3,117,293	175,967	
16. Iowa .....	IA	L	1,780,005	781,341	34,362		2,595,708	132,514	
17. Kansas .....	KS	L	451,492	1,296,535	14,839		1,762,867		
18. Kentucky .....	KY	L	780,769	664,112	3,859		1,448,740		
19. Louisiana .....	LA	L	453,490	3,377,515			3,831,005		
20. Maine .....	ME	L	704,611	864,576	13,718		1,582,905		
21. Maryland .....	MD	L	3,535,644	4,048,580	146,810		7,731,034	2,132,058	
22. Massachusetts .....	MA	L	6,536,537	19,787,443	217,807		26,541,787	1,154,119	
23. Michigan .....	MI	L	3,570,623	5,093,235	133,026		8,796,884	140,587,997	
24. Minnesota .....	MN	L	2,327,539	2,496,564	29,593		4,853,695	34,894,455	
25. Mississippi .....	MS	L	108,728	31,525			140,253	6,542,352	
26. Missouri .....	MO	L	2,474,771	1,618,802	49,164		4,142,736		
27. Montana .....	MT	L	142,146	7,706			149,852		
28. Nebraska .....	NE	L	1,206,886	352,345	12,961		1,572,192		
29. Nevada .....	NV	L	441,299	3,221,377	20,096		3,682,772		
30. New Hampshire .....	NH	L	575,417	111,010			686,427	567,521	
31. New Jersey .....	NJ	L	6,058,006	8,721,604	105,391		14,885,001	14,533	
32. New Mexico .....	NM	L	444,444	325,427			769,871	136,851	
33. New York .....	NY	L	16,876,989	12,164,842	575,461		29,617,293	3,632,227	
34. North Carolina .....	NC	L	3,974,352	3,714,228	57,554		7,746,134	482,796	
35. North Dakota .....	ND	L	130,518	219,425			349,943		
36. Ohio .....	OH	L	2,593,314	5,517,947	86,536		8,197,797	94,261	
37. Oklahoma .....	OK	L	634,393	809,226	28,830		1,472,449	13,394,238	
38. Oregon .....	OR	L	1,102,830	189,697	45,202		1,337,730	162,901	
39. Pennsylvania .....	PA	L	7,261,613	7,791,128	231,793		15,284,533	3,170,902	
40. Rhode Island .....	RI	L	698,762	352,391	24,211		1,075,364		
41. South Carolina .....	SC	L	758,956	1,646,149	36,503		2,441,608		
42. South Dakota .....	SD	L	902,092	9,600			911,692		
43. Tennessee .....	TN	L	1,469,993	3,242,535	28,549		4,741,078	450,970	
44. Texas .....	TX	L	6,321,231	6,461,041	44,867		12,827,139	16,270	
45. Utah .....	UT	L	754,414	1,104,329	3,265		1,862,009	776,759	
46. Vermont .....	VT	L	626,721	443,707	21,736		1,092,164	8,570,023	
47. Virginia .....	VA	L	3,531,903	1,702,921	85,153		5,319,977	196,975	
48. Washington .....	WA	L	2,616,216	1,803,415	58,463		4,478,094		
49. West Virginia .....	WV	L	351,614	423,764	32,585		807,963		
50. Wisconsin .....	WI	L	1,261,849	897,175	64,824		2,223,848	65,897,803	
51. Wyoming .....	WY	L	627,308	11,100	3,524		641,931		
52. American Samoa .....	AS	N							
53. Guam .....	GU	N							
54. Puerto Rico .....	PR	N	10,146				10,146		
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	11,493				11,493		
59. Subtotal .....	XXX		121,086,986	143,363,052	3,349,684		267,799,722	614,463,832	
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		218,034				218,034		
94. Aggregate or other amounts not allocable by State .....	XXX								
95. Totals (Direct Business) .....	XXX		121,305,020	143,363,052	3,349,684		268,017,756	614,463,832	
96. Plus Reinsurance Assumed .....	XXX								
97. Totals (All Business) .....	XXX		121,305,020	143,363,052	3,349,684		268,017,756	614,463,832	
98. Less Reinsurance Ceded .....	XXX		40,293,027		3,349,684		43,642,711		
99. Totals (All Business) less Reinsurance Ceded .....	XXX		81,011,993	143,363,052			224,375,045	614,463,832	
DETAILS OF WRITE-INS									
58001. ZZZ Other Alien .....		XXX	11,493				11,493		
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	11,493				11,493		
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:

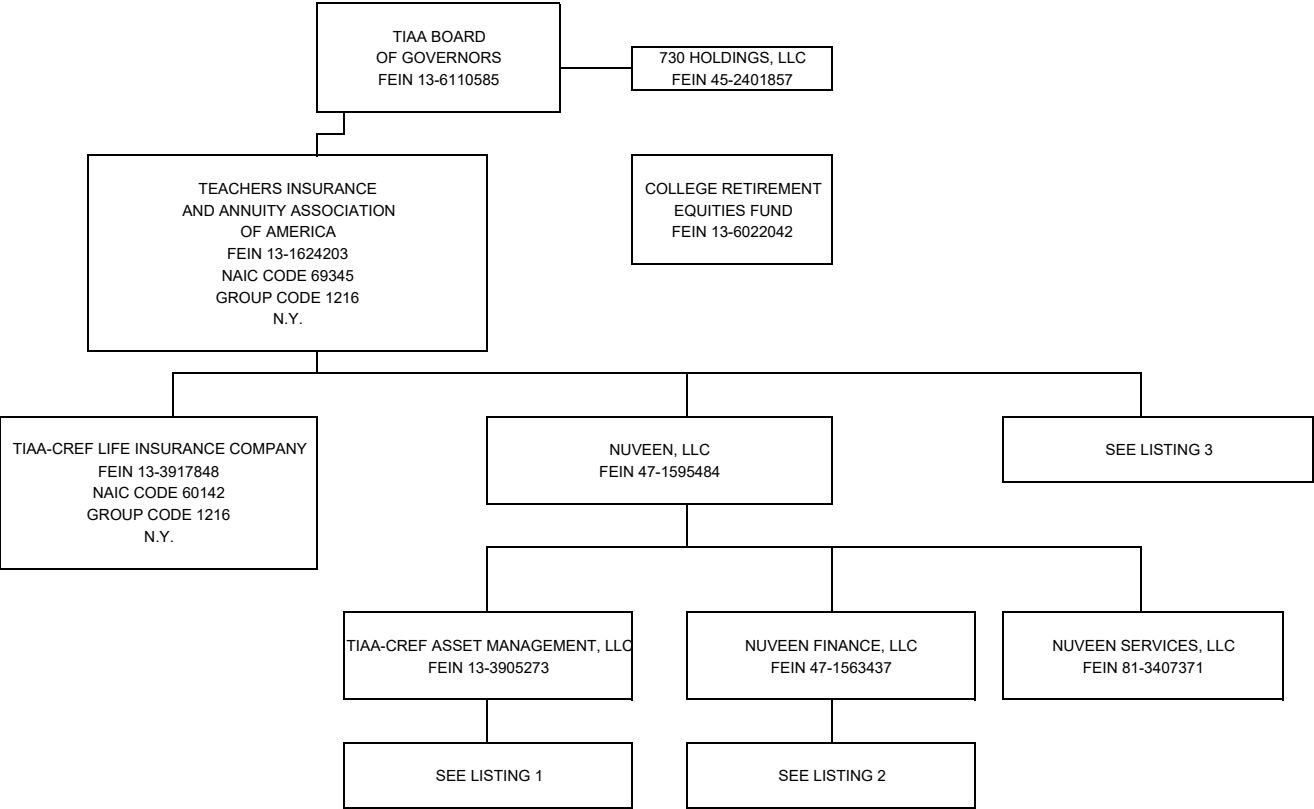
L - Licensed or Chartered - Licensed Insurance carrier or domiciled RRG.....51      R - Registered - Non-domiciled RRGs.....

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.

SCHEDULE Y - INFORMATION CONCERNING ACTIVITIES OF INSURER MEMBERS OF A HOLDING COMPANY GROUP  
PART 1 - ORGANIZATIONAL CHART  
STATEMENT AS OF JUNE 30, 2021 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, 2021 OF THE TIAA-CREF LIFE INSURANCE COMPANY

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

COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP
L&C Special Member Holdco, LLC	81-1272900	SUBSIDIARY	Nuveen Alternative Holdings, LLC (continued)			Nuveen Alternative Holdings, LLC (continued)		
GTR Special Member Holdco LLC	46-3889185	SUBSIDIARY	NAP Investors GP, LLC	83-2245173	SUBSIDIARY	Nuveen Real Estate Global LLC	81-4262460	SUBSIDIARY
TIAA International GP LLC	81-4374969	SUBSIDIARY	NCBDC Holdings LLC		SUBSIDIARY	Nuveen Global Investments LLC	26-2748598	SUBSIDIARY
TIAA-CREF Investment Management, LLC	13-3586142	SUBSIDIARY	Nuveen Churchill Advisors LLC		SUBSIDIARY	Nuveen GP Holding Company LLC	82-2986445	SUBSIDIARY
Nuveen Alternative Holdings, LLC	46-3870972	SUBSIDIARY	Nuveen Alternatives Advisors, LLC	45-4288013	SUBSIDIARY	Nuveen CRED GP Member LLC	82-4598778	SUBSIDIARY
AGR Partners LLC	81-1407545	SUBSIDIARY	Nuveen Churchill Direct Lending Corp.		SUBSIDIARY	CRED GP LLC	82-3761720	SUBSIDIARY
AGR Services LLC	36-4853278	SUBSIDIARY	TPS Investors GP, LLC	82-1917856	SUBSIDIARY	CRED Rated Feeder GP LLC	85-2413081	SUBSIDIARY
TGAM Agribusiness Fund GP LLC	81-1870559	SUBSIDIARY	Nuveen Alternatives Services, LLC	45-4288091	SUBSIDIARY	Nuveen Real Estate U.S. Strategic Alternatives Fund I GP LLC	86-1561520	SUBSIDIARY
AGR Services LLC	36-4853278	SUBSIDIARY	Nuveen Real Estate U.S. Strategic Alternatives Fund I GP LP		SUBSIDIARY	Nuveen Real Estate U.S. Strategic Alternatives Fund I Holding Company LLC	86-1560063	SUBSIDIARY
AGR Special Opportunities GP, LLC		SUBSIDIARY	TIAA European Farmland Fund GP LP	98-1310748	SUBSIDIARY	Nuveen Real Estate U.S. Strategic Alternatives Fund I SFR Holding Company LLC	87-1132368	SUBSIDIARY
Beaver Investments Holdings, LLC	45-5558395	SUBSIDIARY	TCAS Global Investments LLC	47-1515836	SUBSIDIARY	Nuveen Real Estate U.S. Strategic Alternatives Fund I SFR Borrower I LLC	87-1131938	SUBSIDIARY
GreenWood Resources, Inc.	80-0026976	SUBSIDIARY	Nuveen CP Holdings 1 LLC		SUBSIDIARY	SAF MOB Amarillo Member LLC		SUBSIDIARY
Greenwood Resources Brasil, Ltda.		SUBSIDIARY	Nuveen CP LLC		SUBSIDIARY	SAFNM MOB Amarillo Venture LLC		SUBSIDIARY
GreenWood Resources Capital Management, LLC	45-1875074	SUBSIDIARY	Nuveen CP Holdings 2 LLC		SUBSIDIARY	U.S. Cities Office Fund GP LLC		SUBSIDIARY
GTFF GP, LLC	20-8501127	SUBSIDIARY	Nuveen CP LLC		SUBSIDIARY	U.S. Cities Multifamily Fund GP LLC	35-2633108	SUBSIDIARY
GWR-GTFF Investment, LLC	20-8955976	SUBSIDIARY	Greenworks Lending LLC		SUBSIDIARY	U.S. Cities Retail Fund GP LLC	82-4054235	SUBSIDIARY
Greenwood Resources Forest Management, LLC	47-4557075	SUBSIDIARY	Greenworks SPV LLC		SUBSIDIARY	U.S. Strategic Industrial Fund II GP LLC	85-2037572	SUBSIDIARY
Greenwood Resources Brasil, Ltda.		SUBSIDIARY	PACEWell 1 LLC		SUBSIDIARY	U.S. Strategic Industrial Fund II LP	85-2116787	SUBSIDIARY
GreenWood Resources Poland sp. z o.o.	98-1016335	SUBSIDIARY	PACEWell 2 LLC		SUBSIDIARY	U.S. Strategic Industrial Fund II LP		SUBSIDIARY
GWR Uruguay S.A.		SUBSIDIARY	PACEWell 3 LLC		SUBSIDIARY	U.S. Strategic Industrial Fund II LP		SUBSIDIARY
Greenwood Resources Colombia SAS		SUBSIDIARY	PACEWell 4 LLC	87-1326451	SUBSIDIARY	U.S. Strategic Industrial Fund II LP		SUBSIDIARY
CAM HR Resources LLC	36-4851864	SUBSIDIARY	PACE Financial Servicing LLC		SUBSIDIARY	U.S. Strategic Industrial Fund II LP		SUBSIDIARY
Churchill Asset Management LLC	47-3156644	SUBSIDIARY	Nuveen Global Farmland Fund GP, LLC		SUBSIDIARY	U.S. Strategic Industrial Fund II LP		SUBSIDIARY
CAM HR Resources LLC	36-4851864	SUBSIDIARY	Nuveen Global Farmland Fund Lux GP S.à r.l.		SUBSIDIARY	SIF II Allen Street Industrial LLC	86-2842701	SUBSIDIARY
Churchill Agency Services LLC	82-3187734	SUBSIDIARY	Nuveen Global Impact Fund GP, LLC	84-5180164	SUBSIDIARY	SIF II Clermont Industrial Portfolio LLC	86-3336328	SUBSIDIARY
Churchill Co-Invest Partners GP, LLC		SUBSIDIARY	Nuveen Global Impact Fund Lux GP S.à r.l.		SUBSIDIARY	Nuveen Global Impact Fund GP, LLC	86-3219348	SUBSIDIARY
Churchill Feeder Fund GP II S.à r.l.		SUBSIDIARY	Nuveen International Holdings LLC	26-2719001	SUBSIDIARY	SIF II Lincoln Road Industrial LLC	87-0923304	SUBSIDIARY
Churchill Fund GP II LLC	83-1177850	SUBSIDIARY	Nuveen Canada Company		SUBSIDIARY	SIF II TCA Ellis Road Development Investor Member LLC	86-2136273	SUBSIDIARY
Churchill Junior Capital Opportunities Fund II Carry-Co, LLC		SUBSIDIARY	Nuveen Japan Co., Limited		SUBSIDIARY	SIF II TCA Ellis Road Development Venture LLC		SUBSIDIARY
Churchill Junior Capital Opportunities Fund II GP, LLC		SUBSIDIARY	Nuveen UK, Limited		SUBSIDIARY	Union Property Operations NRE VII LLC	86-1621541	SUBSIDIARY
Churchill Junior Capital Opportunities Fund II GP Sarl		SUBSIDIARY	TGAM Subsidiary HC LLC	81-4349631	SUBSIDIARY	Nuveen Imajin Holdings Member LLC	85-2857187	SUBSIDIARY
Churchill MMSLF Special GP LLC	85-3272173	SUBSIDIARY	TGAM APAC LLC	81-4290269	SUBSIDIARY	Imajin Homes Holdings, LLC		SUBSIDIARY
Churchill Fund GP II Sarl	98-1449979	SUBSIDIARY	TGAM HK HC LLC	81-4323796	SUBSIDIARY	Imajin Services LLC		SUBSIDIARY
Churchill Special Member LLC	82-0735838	SUBSIDIARY	TGAM Asia LLC	81-4306975	SUBSIDIARY	Imajin Asset Manager LLC		SUBSIDIARY
Churchill Warehouse LLC	82-3784145	SUBSIDIARY	TGAM Asia LLC	81-4323796	SUBSIDIARY	Sparrow Realty Investment I Managing Member LLC	85-2603852	SUBSIDIARY
Nuveen Churchill Administration LLC		SUBSIDIARY	TIAA International APAC LLC	81-4499397	SUBSIDIARY	Nuveen Permian Investor Asset Manager Member LLC	81-5466713	SUBSIDIARY
TGAM Churchill Fund GP LLC	81-1817732	SUBSIDIARY	TGAM HK HC LLC	81-4323796	SUBSIDIARY	Permian Investor Asset Manager LLC		SUBSIDIARY
Global AG AIV (CN) GP, LLC	45-5044435	SUBSIDIARY	TIAA International Asia LLC	81-4359164	SUBSIDIARY	Nuveen Real Estate Global Cities Advisors LLC	82-3426937	SUBSIDIARY
Global Agriculture AIV (CN), LP	45-5044681	SUBSIDIARY	TGAM HK HC LLC	81-4323796	SUBSIDIARY	Nuveen Real Estate Project Management Services LLC	84-2502695	SUBSIDIARY
Global Ag II AIV GP LLC	47-1192644	SUBSIDIARY	TIAA International Subsidiary HC LLC	81-4390558	SUBSIDIARY	TIAA International Holdings 1 Limited	46-1162850	SUBSIDIARY
Global Agriculture II AIV, LP	47-1197292	SUBSIDIARY	TGAM APAC LLC	81-4290269	SUBSIDIARY	Clean Energy Partners HoldCo LLP		SUBSIDIARY
GTR Investor Fund GP LLC	47-1208361	SUBSIDIARY	TGAM Asia LLC	81-4306975	SUBSIDIARY	Nuveen Real Estate Limited	98-1125673	SUBSIDIARY
			TIAA International APAC LLC	81-4499397	SUBSIDIARY	TIAA International Holdings 2 Limited	46-1163394	SUBSIDIARY
			TGAM APAC LLC	81-4290269	SUBSIDIARY	Clean Energy Partners HoldCo LLP		SUBSIDIARY
			TGAM Asia LLC	81-4306975	SUBSIDIARY	Clean Energy Partners LP		SUBSIDIARY
			TIAA International Asia LLC	81-4359164	SUBSIDIARY	Glennmont Asset Management Limited		SUBSIDIARY
			Nuveen Junior Capital Opportunities Fund GP S.à r.l.		SUBSIDIARY	Clean Energy Partners CEP 2012 Limited		SUBSIDIARY
						TIAA International Asia LLC	81-4359164	SUBSIDIARY
						Clean Energy Partners CEP Services Limited		SUBSIDIARY
						Glennmont Partners III S.à r.l.		SUBSIDIARY
						TIAA International APAC LLC	81-4499397	SUBSIDIARY
						TIAA International Holdings 3 Limited		SUBSIDIARY
						Nuveen Real Estate Limited	98-1125673	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) Nuveen CP LLC is owned 79.2% by Nuveen CP Holdings 1 LLC and 0.8% by Nuveen CP Holdings 2 LLC

(6) 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%

(7) TGAM HK HC LLC is ultimately controlled and owned entirely by TIAA, with TGAM APAC LLC, TGAM Asia LLC, TIAA International APAC LLC and Nuveen International Asia LLC each owning 25%

(8) 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%

(9) 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%

(10) 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%

(11) Clean Energy Partners HoldCo LLP is ultimately controlled and owned entirely by TIAA, with 99% owned by TIAA International Holdings 2, Ltd. and 1% owned by TIAA International Holdings 1, Ltd.

(12) 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.

SCHEDULE Y - INFORMATION CONCERNING ACTIVITIES OF INSURER MEMBERS OF A HOLDING COMPANY GROUP  
PART 1 - ORGANIZATIONAL CHART

STATEMENT AS OF JUNE 30, 2021 OF THE TIAA-CREF LIFE INSURANCE COMPANY

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

LISTING 2 (NUVEEN FINANCE, LLC):

COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP
Nuveen Alternative Holdings, LLC (continued)			Nuveen Alternative Holdings, LLC (continued)			Nuveen Holdings 1, Inc.	81-3425820	SUBSIDIARY
Nuveen Administration Ltd	98-1127648	SUBSIDIARY	Nuveen Real Estate Property Holdings L.L.C.	06-1217855	SUBSIDIARY	Nuveen Holdings, Inc.	26-0373324	SUBSIDIARY
Nuveen Europe Holdings Limited	98-1128805	SUBSIDIARY	Casa Partners VI GP, LLC	30-0794692	SUBSIDIARY	Nuveen Investments, Inc.	36-3817266	SUBSIDIARY
Henderson European Retail Property Fund Management Sarl		SUBSIDIARY	Casa Partners VII GP, LLC	47-5190671	SUBSIDIARY	Gresham Asset Management LLC	26-0627593	SUBSIDIARY
Nuveen Alternatives Europe S.à.r.l		SUBSIDIARY	CASA Partners VIII GP, LLC	82-4363605	SUBSIDIARY	Gresham Investment Management LLC	20-1930384	SUBSIDIARY
Nuveen Asset Management Europe S.à.r.l		SUBSIDIARY	CASA Partners IX GP, LLC	86-1845840	SUBSIDIARY	Gresham Investment Management Asia Pte. Ltd.		SUBSIDIARY
Nuveen Fund (Europe) Management S.à.r.l		SUBSIDIARY	Global Investors GP, L.L.C.	36-4477806	SUBSIDIARY	NIS/R&T, Inc.	36-3293941	SUBSIDIARY
Nuveen Fund Management (Jersey) Limited		SUBSIDIARY	Global Investors GP II, L.L.C.	20-2537749	SUBSIDIARY	Nuveen Alternative Investments, LLC	36-4839486	SUBSIDIARY
Asia Pacific Cities Management S.à.r.l		SUBSIDIARY	TCAM DOF GP, LLC	26-3561391	SUBSIDIARY	Nuveen Asset Management, LLC	27-437327	SUBSIDIARY
Nuveen Management AIFM Limited		SUBSIDIARY	TCGA BT AIV, LLC	46-5367344	SUBSIDIARY	Nuveen Funds GP I, LLC		SUBSIDIARY
Nuveen Management Company (Luxembourg) No 1 S.à.r.l		SUBSIDIARY	TCGA Investor Fund GP, LLC	45-5139523	SUBSIDIARY	Symphony Alternative Asset Management LLC	83-4025630	SUBSIDIARY
Nuveen Property Management (Jersey) Limited		SUBSIDIARY	TCGA II Investor Fund GP, LLC	47-3511076	SUBSIDIARY	Symphony Risk Retention Finance LLC	94-3252504	SUBSIDIARY
Nuveen FCACO Ltd	98-1128787	SUBSIDIARY	TGAM International GP LLC	81-4330570	SUBSIDIARY	SRR 1 LLC	30-1032009	SUBSIDIARY
Nuveen Real Estate Management Ltd		SUBSIDIARY	TIAA Global Ag Special Member LLC	45-1532009	SUBSIDIARY	Nuveen Investments Holdings, Inc.	36-7364377	SUBSIDIARY
Nuveen Shopping Centre Verwaltungs GmbH		SUBSIDIARY	TIAA Global Ag II Special Member LLC	81-1749609	SUBSIDIARY	Nuveen NWQ Holdings, LLC	36-4709028	SUBSIDIARY
Nuveen Group Holdings Ltd	98-1127632	SUBSIDIARY	T-C U.S. Super Regional Mall Fund GP LLC	47-3126089	SUBSIDIARY	NWQ Partners, LLC	30-0892190	SUBSIDIARY
Anglo-Sino Henderson Investment Consultancy (Beijing) Co Limited		SUBSIDIARY	U.S. Cities Fund GP, LLC	20-1394681	SUBSIDIARY	NWQ Investment Management Company, LLC	47-0875103	SUBSIDIARY
CLOF I (GP) Limited		SUBSIDIARY	U.S. Cities Industrial Fund GP LLC		SUBSIDIARY	Nuveen WCM Holdings, LLC	37-1695518	SUBSIDIARY
CLOF II Vanquish Limited		SUBSIDIARY	Westchester Group Investment Management, Inc.	27-3416812	SUBSIDIARY	Winslow Capital Management, LLC	90-086088	SUBSIDIARY
CLOF I (No 1 GP) Limited		SUBSIDIARY	Plata Wine Partners, LLC	87-0735518	SUBSIDIARY	Growth Capital GP I, LLC	81-0730906	SUBSIDIARY
CLOF II (No 1 Nominee) Limited		SUBSIDIARY	The Plata Wine Partners Trust	37-6589484	SUBSIDIARY	Nuveen Securities, LLC	36-2639476	SUBSIDIARY
CLOF II (No 2 GP) Limited		SUBSIDIARY	Westchester Group Farm Management, Inc.	37-1193973	SUBSIDIARY	Teachers Advisors, LLC	13-3760073	SUBSIDIARY
CLOF I (No 3 GP) Limited		SUBSIDIARY	Westchester Group of Australia Pty Ltd.		SUBSIDIARY	CoInvest Member LLC	82-1157427	SUBSIDIARY
Enhanced Debt Carry (GP) S.à.r.l		SUBSIDIARY	Westchester Group Chile Investment Management, SpA		SUBSIDIARY	Nuveen TALF Opportunities GP, LLC		SUBSIDIARY
ERES APAC II (GP) S.à.r.l		SUBSIDIARY	Westchester Group of Europe Ltd.		SUBSIDIARY			
ERES Europe II (GP) S.à.r.l		SUBSIDIARY	Westchester Group SRL		SUBSIDIARY			
European Cities Partnership (GP) S.à.r.l		SUBSIDIARY	Westchester Group of Poland Sp. Z.o.o.		SUBSIDIARY			
European Cities Partnership SCSp		AFFILIATE (13)	Westchester Group SRL		SUBSIDIARY			
Islazul General Partner S.à.r.l		SUBSIDIARY	Westchester Group Real Estate, Inc.	37-1194491	SUBSIDIARY			
Matador LP General Partner Limited		SUBSIDIARY	Westchester Group South America Gestao de Investimentos Ltda.		SUBSIDIARY			
Nuveen Consulting (Shanghai) Co Ltd		SUBSIDIARY	Westchester NGFF Investment LLC	84-3766552	SUBSIDIARY			
Nuveen Corporate Secretarial Services Limited		SUBSIDIARY						
Nuveen (France) SAS		SUBSIDIARY						
Nuveen Immobilien GmbH		SUBSIDIARY						
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.à.r.l		SUBSIDIARY						
Global Real Estate Debt Partners – Fund II (UK) SCSp		AFFILIATE (14)						
Nuveen Real Estate Debt Partners III (GP) S.à.r.l		SUBSIDIARY						
Nuveen Real Estate Nominees Limited		SUBSIDIARY						
Nuveen Singapore Private Limited		SUBSIDIARY						
OMP (GP) Limited		SUBSIDIARY						
T-C Lux Investments GP S.à.r.l		SUBSIDIARY						
TH Real Estate Limited		SUBSIDIARY						
TIAA-CREF Luxembourg S.à.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						

(13) 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.

(14) 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.

(15) 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.

(16) 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.

SCHEDULE Y - INFORMATION CONCERNING ACTIVITIES OF INSURER MEMBERS OF A HOLDING COMPANY GROUP  
PART 1 - ORGANIZATIONAL CHART  
STATEMENT AS OF JUNE 30, 2021 OF THE TIAA-CREF LIFE INSURANCE COMPANY

LISTING 3:

COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP
485 Properties, LLC	13-3997258	SUBSIDIARY	CPF/UIR JV Member LLC	81-2914954	SUBSIDIARY	Mansilla Participacoes LTDA		SUBSIDIARY
730 Data Centers, LLC	81-3091169	SUBSIDIARY	CPF/UIR Joint Venture LLC	81-2928112	SUBSIDIARY	Radar Propriedades Agricolas S.A.		SUBSIDIARY (22)
730 Aviator, LLC	82-0793232	SUBSIDIARY	CPF 636 Sixth Avenue LLC	81-2955427	SUBSIDIARY	Nova Amaralina S.A. Propriedades Agricolas		SUBSIDIARY
730 Databridge, LLC	81-3106043	SUBSIDIARY	T-C 636 Sixth Avenue Retail LLC	47-2264739	SUBSIDIARY	Nova Agricola Ponte Alta S.A.		SUBSIDIARY
730 Power Development, LLC	47-2616735	SUBSIDIARY	CPF 856 Market Street LLC	81-2982618	SUBSIDIARY	Nova Santa Barbara Agricola S.A.		SUBSIDIARY
730 Carroll, LLC	47-2622825	SUBSIDIARY	CPF 1611 Third Avenue LLC	81-2973332	SUBSIDIARY	Terras da Ponte Alta S.A.		SUBSIDIARY
730 Cricket, LLC		SUBSIDIARY	T-C 1608 Chestnut General Partner LLC	47-3357982	SUBSIDIARY	Radar II Propriedades Agricolas S.A.		AFFILIATE
730 Telecom LLC	47-5363027	SUBSIDIARY	1608 Chestnut Partners LP	23-3049052	SUBSIDIARY (20)	Proud Participacoes S.A.		AFFILIATE
730 Transmission, LLC		SUBSIDIARY	1608 Chestnut Partners LP	23-3049052	SUBSIDIARY (20)	Radar Propriedades Agricolas S.A.		AFFILIATE (22)
730 Hotspur, LLC		SUBSIDIARY	Demeter Agricultural Properties, LLC	26-3049305	SUBSIDIARY	Vale De Ponte Alta S.A.		AFFILIATE
730 Texas Forest Holdings, Inc.	13-4042885	SUBSIDIARY	Dionysus Properties, LLC	45-2632248	SUBSIDIARY	Bioinvestments Negocios e Participacoes		AFFILIATE
730 Texas Timberlands II, Ltd.	51-0494351	SUBSIDIARY (17)	Silverado Premium Properties, LLC	94-3306131	SUBSIDIARY	Agua de Ponte Alta S.A.		AFFILIATE
730 Texas Timberlands, Ltd.	13-4042888	SUBSIDIARY (18)	Arroya Loma, LLC	68-0436609	SUBSIDIARY	New York City Property Fund II LP	82-4183425	SUBSIDIARY
730 Texas Timberlands II, Ltd.	51-0494351	SUBSIDIARY (17)	Chalk Ridge Vineyard, LLC	75-3025596	SUBSIDIARY	New York City Property Fund REIT LLC	83-4678924	SUBSIDIARY
TIAA Timberlands I, LLC	13-4040842	SUBSIDIARY	Hobson Avenue Vineyard, LLC	20-3964695	SUBSIDIARY	New York City Fund Operating GP LLC	83-4701919	SUBSIDIARY
730 Texas Timberlands, Ltd.	13-4042888	SUBSIDIARY (18)	Marsino Vineyard, LLC	26-1542713	SUBSIDIARY	New York City Property Fund Operating LP	83-4671194	SUBSIDIARY
TIAA Timberlands II, LLC	13-4085431	SUBSIDIARY	Silverado Los Alamos Vineyards, LLC	20-2103733	SUBSIDIARY	125 West End Investors LLC	84-3388831	SUBSIDIARY
Actoil, LLC	38-3847245	SUBSIDIARY	Mesa Del Rio Vineyard, LLC	85-1933477	SUBSIDIARY	125 West End Holdings LLC	84-3408615	SUBSIDIARY
Actoil Colorado, LLC	46-3373066	SUBSIDIARY	Silverado SLO Vineyards, LLC	20-2103788	SUBSIDIARY	125 West End Associates LLC	83-4653622	SUBSIDIARY
Great Western Petroleum LLC	46-1952974	SUBSIDIARY	SPP Napa Vineyards, LLC	68-0466083	SUBSIDIARY	NGFF Holdings, LLC	84-2830562	AFFILIATE
Broadleaf Timberland Investments, LLC	26-4647417	SUBSIDIARY	Suscol Mountain Vineyards, LLC	26-3747024	SUBSIDIARY	Nuveen Global Farmland Fund, LP	84-1895540	SUBSIDIARY
Quercus Forestland Account, LLC	46-2916514	SUBSIDIARY	Terra Ventosa Vineyards, LLC	26-2766605	SUBSIDIARY	Global Farmland Properties LLC	84-1834824	SUBSIDIARY
Quercus Algoma Corporation	47-2167228	SUBSIDIARY	Silverado Winegrowers Holdings, LLC	43-3997217	SUBSIDIARY	US Horticulture Farmland, LLC	84-1857338	SUBSIDIARY
Quercus Algoma Land Corporation	47-2167228	SUBSIDIARY	Silverado Winegrowers LLC	68-0443927	SUBSIDIARY	US Row Farmland, LLC	84-1842298	SUBSIDIARY
Quercus West Virginia, LLC	47-4455610	SUBSIDIARY	Alta Loma Vineyard, LLC	94-3357571	SUBSIDIARY	US Viticulture Farmland, LLC	84-1880235	SUBSIDIARY
Casa Student Housing Fund Holdings, LLC	47-4455303	SUBSIDIARY	Oak Knoll Napa Vineyards, LLC	94-3312405	SUBSIDIARY	NRFC Inception IV, LP	46-2031403	SUBSIDIARY
PEP-TH CASA Student Housing, LLC	30-0965548	SUBSIDIARY	Silverado Suscol, LLC	91-1806950	SUBSIDIARY	NRFC Inception V, LP	46-2062147	SUBSIDIARY
CSHF-PEP Purdue LLC	56-2672830	SUBSIDIARY	SWG Paso Vineyard, LLC	45-4820104	SUBSIDIARY	Nuveen CLO Issuance Fund LP		SUBSIDIARY
CSHF-PEP USF LLC	37-1555322	SUBSIDIARY	Global Real Estate Debt Partners – Fund I (UK) SCSp		SUBSIDIARY (21)	Nuveen Global Impact Fund LP	84-5180286	SUBSIDIARY
Ceres Agricultural Properties, LLC	80-0843991	SUBSIDIARY (19)	Global Real Estate Debt Partners – Fund II (UK) SCSp		AFFILIATE (14)	Nuveen High Yield Municipal Opportunities Fund LP	83-4357309	SUBSIDIARY
Premiere Agricultural Properties, LLC	36-4620107	SUBSIDIARY	Growth Capital Fund I, L.P.	81-0737062	SUBSIDIARY	Nuveen Municipal Opportunities Fund LP	83-4341275	SUBSIDIARY
Loma del Rio Vineyards, LLC	30-0449681	SUBSIDIARY	Inception GP LLC	27-4149157	SUBSIDIARY	Nuveen Real Estate U.S. Strategic Industrial Fund I LP	81-2429791	SUBSIDIARY
Premiere Columbia Properties, LLC	26-3484719	SUBSIDIARY	Infra Alpha, LLC	27-3900641	AFFILIATE	Occator Agricultural Properties, LLC	26-4750562	SUBSIDIARY
Demeter Agricultural Properties II, LLC	26-0352203	SUBSIDIARY	EMG Investments, LLC	47-4169877	SUBSIDIARY	Ridley Corporation Limited		AFFILIATE
International Agricultural Investors, LLC	26-0460488	SUBSIDIARY	L.A. Teak Holdings, LLC	47-4187541	SUBSIDIARY	Mandala Food Co-Investment Holdings II SPV		SUBSIDIARY
IAI Australia Pty., Ltd.	26-2745365	SUBSIDIARY	Landed Educator Retention Fund, LP	47-4196668	SUBSIDIARY	Matera, LLC	45-1125143	AFFILIATE
IAI Australia Trust	26-2747755	SUBSIDIARY	Lewis & Clark Timberlands, LLC	47-5300478	SUBSIDIARY	Teays River Investments, LLC	26-4621336	AFFILIATE
IAI USA, LLC	98-1402136	SUBSIDIARY	L&C Log Co, LLC	13-1824203	SUBSIDIARY	Oleum Holding Company, Inc.	26-4248579	SUBSIDIARY
International Agricultural Investors Fund II, LLC	81-1810508	SUBSIDIARY	L&C Tree Farms, LLC	47-0902011	SUBSIDIARY	2234328 Alberta ULC		SUBSIDIARY
IAI Australia Fund II, Pty., Ltd.	26-3561447	SUBSIDIARY	NBPT Aggregator LLC		SUBSIDIARY	Polar Star Canadian Oil and Gas Holding, Inc.		SUBSIDIARY
IAI Australia Fund II Trust		SUBSIDIARY				Oto's South Vineyard, LLC	85-1933477	SUBSIDIARY
IAI USA Fund II, LLC		SUBSIDIARY				Pinnacle Third Avenue, LP	26-3821015	AFFILIATE
Churchill Junior Capital Opportunities Fund II, L.P.		SUBSIDIARY				Primary Residential Individual Mortgage Entity Trust	81-6648838	SUBSIDIARY
Churchill Middle Market CLO IV Ltd.		SUBSIDIARY				Renewable Timber Europe, LLC	45-2792614	SUBSIDIARY
Churchill Middle Market Senior Loan Fund, LP		SUBSIDIARY				Renewable Timber Netherlands B.V.		SUBSIDIARY
Churchill Middle Market Senior Loan Fund III, LP		SUBSIDIARY				Topola Lasy Spolka z o.o.		SUBSIDIARY
Distressed Opportunities Fund, L.P.		SUBSIDIARY				REP Coinvest III TEC, L.P.		AFFILIATE
DWM Inclusive Finance Equity Fund II		AFFILIATE				Shf-33d North Apts, LLC	47-3994280	SUBSIDIARY
DWM Microfinance Equity Fund I		AFFILIATE				Shf-Millennium One Apts, LLC	47-4155469	SUBSIDIARY
Envisage Information Systems, LLC		AFFILIATE				Shf-The Rocks Apts, LLC	81-2450195	SUBSIDIARY
EPP LFG I, LLC		AFFILIATE						

(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 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) SCSp is controlled by TIAA, which owns 36.3%. T-C Lux Investments Special Limited Partnership, which is 100% owned by TIAA, owns 24.3%.

(14) 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..

SCHEDULE Y - INFORMATION CONCERNING ACTIVITIES OF INSURER MEMBERS OF A HOLDING COMPANY GROUP  
PART 1 - ORGANIZATIONAL CHART  
STATEMENT AS OF JUNE 30, 2021 OF THE TIAA-CREF LIFE INSURANCE COMPANY

LISTING 3 (CONTINUED):

COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP
ND Properties, Inc.	11-3034756	SUBSIDIARY	ND Properties, Inc. (continued)			T-C Australia RE Holdings I, LLC	81-2490530	SUBSIDIARY
Norteshopping Retail and Leisure Centre BV		SUBSIDIARY	London Belgrave Unit Trust		AFFILIATE	(27) T-C Australia RE Holdings II, LLC	81-2506975	SUBSIDIARY
Norteshopping - Centro Commercial, S.A.		SUBSIDIARY	CLOF Victoria Nominee 1 Limited		AFFILIATE	TIAA Australia Real Estate Trust		SUBSIDIARY
ND Europe S.à.r.l.		SUBSIDIARY	CLOF Victoria Nominee 2 Limited		AFFILIATE	TIAA Melbourne Retail Holding 1 Trust		SUBSIDIARY
ND Europe Office Holding S.à.r.l.		SUBSIDIARY	New Fetter Lane Unit Trust		AFFILIATE	(28) TGA Miller Street Trust		SUBSIDIARY
Cityhold Nymphe S.à.r.l.		AFFILIATE	(23) 60 Great Portland Street Unit Trust		AFFILIATE	(29) TIAA Melbourne Retail Holding 1 Trust		SUBSIDIARY
Cityhold Propco 11 S.à.r.l.		AFFILIATE	SMA Holding S.à.r.l.		AFFILIATE	TIAA Melbourne Retail Asset 1 Trust		SUBSIDIARY
OVG Cloud S.à.r.l.		AFFILIATE	(24) 70 St Mary Axe Unit Trust		AFFILIATE	(30) TGA Australia Real Estate Trust 2		SUBSIDIARY
Cityhold Office Partnership S.à.r.l.		AFFILIATE	(25) HV Freehold S.à.r.l.		AFFILIATE	TGA PBSA Asset Trust 1		SUBSIDIARY
CHOP OPCI		AFFILIATE	TIAA Lux 9 S.à.r.l.		AFFILIATE	TGA PBSA Asset Trust 2		SUBSIDIARY
Cityhold Iconic Holding SAS	98-1435873	AFFILIATE	SAS Malachite		AFFILIATE	TGA PBSA Asset Trust 3		SUBSIDIARY
Cityhold Iconic Hotel SNC	98-1433967	AFFILIATE	SNC Garnet-TIAA		AFFILIATE	TGA PBSA Hold Trust 2		SUBSIDIARY
Cityhold Iconic Office SCI	98-1433956	AFFILIATE	SNC La Defense		AFFILIATE	TGA PBSA Asset Trust 4		SUBSIDIARY
Cityhold Iconic Retail SNC	98-1433960	AFFILIATE	SNC Lazuli		AFFILIATE	T-C Europe Holding Inc.	47-2363168	SUBSIDIARY
Cityhold Iconic Youth Hostel SNC	98-1433975	AFFILIATE	SNC Peridot		AFFILIATE	T-C Europe LP	47-2369576	SUBSIDIARY
Cityhold EST Investment S.à.r.l.		AFFILIATE	T-C Pep Holding S.à.r.l.		SUBSIDIARY	T-C Europe LP	47-2369576	SUBSIDIARY
Cityhold Prinses Cooperatief U.A.		AFFILIATE	T-C Pep Property S.à.r.l.		SUBSIDIARY	T-C Europe S.à.r.l.		SUBSIDIARY
Cityhold Prinses AcquiCo B.V.		AFFILIATE	T-C Pep Asset S.à.r.l.		SUBSIDIARY	Nightingale LuxCo S.à.r.l.		SUBSIDIARY
Cityhold Jobbe SAS		AFFILIATE	TIAA Lux 11 S.à.r.l.		AFFILIATE	T-C Nordica Investment AB		SUBSIDIARY
Cityhold Jobbe SCI		AFFILIATE	Gropius Passagen Verwaltungs GmbH		SUBSIDIARY	Sweden Nova Lund 1 AB		SUBSIDIARY
Cityhold Nymphe S.à.r.l.		AFFILIATE	Gropius S.à.r.l.		SUBSIDIARY	(31) Sweden Nova Lund 2 AB		SUBSIDIARY
Cityhold Propco 6 S.à.r.l.		AFFILIATE	(23) Gropius S.à.r.l.		AFFILIATE	T-C Luxembourg Neptune Holdings S.à.r.l.		SUBSIDIARY
Cityhold Iconic Hotel OPCO SAS	98-1433939	AFFILIATE	Gropius Passagen GmbH & Co KG		SUBSIDIARY	(31) T-C Neptune Holdings S.à.r.l.		SUBSIDIARY
Cityhold Iconic Investment S.à.r.l.	98-1435880	AFFILIATE	TIAA Lux 5 S.à.r.l.		SUBSIDIARY	Neptune Property Venture S.à.r.l.		SUBSIDIARY
Cityhold Propco 9 S.à.r.l.		AFFILIATE	Erlangen Arcaden GmbH & Co. KG		SUBSIDIARY	Castel Gueffo I SRL		SUBSIDIARY
36 Rue La Fayette SAS		AFFILIATE	U.S. Cities Fund, LP	20-1371171	SUBSIDIARY	Neptune Holding Spain, S.L.		SUBSIDIARY
SAS Roosevelt		AFFILIATE	U.S. Cities Fund REIT, LLC	20-1371379	SUBSIDIARY	Promcat Alternativa, S.L.		SUBSIDIARY
SNC Roosevelt		AFFILIATE	U.S. Cities Fund Operating GP, LLC	20-1364650	SUBSIDIARY	Neptune Madrid Holdco S.L.		SUBSIDIARY
Roosevelt Participation S.à.r.l.		AFFILIATE	(26) U.S. Cities Fund Operating, LP	20-1371235	SUBSIDIARY	Neptune Nassica Propco S.L.		SUBSIDIARY
SNC Roosevelt		AFFILIATE	T-C Falls Center Townhouses LLC	46-5061808	SUBSIDIARY	Neptune Getafe Propco S.L.		SUBSIDIARY
Courcelles 70 SAS		AFFILIATE	(26) T-C King Street Station LLC	26-1700245	SUBSIDIARY	Neptune Las Rozas Outlet S.L.		SUBSIDIARY
Cityhold Euro S.à.r.l.		AFFILIATE	(25) T-C Trio Apartments LLC	45-2892182	SUBSIDIARY	Neptune San Sebastian Outlet S.L.		SUBSIDIARY
Cityhold Propco 7 S.à.r.l.		AFFILIATE	U.S. Cities Multifamily CPF Fund Operating LP	81-3794611	SUBSIDIARY	Neptune Ursus SP, z.o.o.		SUBSIDIARY
Cityhold Propco 10 S.à.r.l.		AFFILIATE	T-C Potomac Promenade LLC	27-4116676	SUBSIDIARY	Neptune Polish HoldCo 2 B.V.		SUBSIDIARY
Cityhold Gouden Bocht B.V.		AFFILIATE	TCAM Core Prop Fund REIT 2 LLC	47-4935916	SUBSIDIARY	Neptune Polish Property Venture BV		SUBSIDIARY
Cityhold Gouden Bocht Monumenten B.V.		AFFILIATE	Siguler Guff Third Avenue, L.P.	03-0543113	SUBSIDIARY	Neptune Krakow SP, z.o.o.		SUBSIDIARY
Redevelopment Property II B.V.	98-1438380	AFFILIATE	Social Infra, LLC		SUBSIDIARY	Neptune Annapol SP, z.o.o.		SUBSIDIARY
Cityhold Propco 12 S.à.r.l.		AFFILIATE	Stichting Bewaarder Ziemia Fund		AFFILIATE	Neptune Poznan SP, z.o.o.		SUBSIDIARY
Cityhold GC Investment S.à.r.l.		AFFILIATE	T-C 685 Third Avenue Member, LLC	27-4123754	SUBSIDIARY	Neptune OPCI SAS		SUBSIDIARY
OVG Cloud S.à.r.l.		AFFILIATE	T-C 685 Third Avenue, LLC	27-3095569	SUBSIDIARY	Roppenheim Holding SAS		SUBSIDIARY
Cityhold Grand Central Berlin SCS		AFFILIATE	(24) T-C 685 Third Avenue Owner LLC	61-1754745	SUBSIDIARY	Roppenheim Outlet SNC		SUBSIDIARY
Cityhold Sterling S.à.r.l.		AFFILIATE	T-C 699 Bourke Street LLC	46-4969690	SUBSIDIARY	Neptune Property Holding S.à.r.l.		SUBSIDIARY
Cityhold UK Holding S.à.r.l.		AFFILIATE				Neptune Amsterdam B.V.		SUBSIDIARY
Cityhold UK Investment S.à.r.l.		AFFILIATE				Neptune Glicke Sp. z o.o.		SUBSIDIARY
London Belgrave Unit Trust		AFFILIATE	(27)			Neptune Roppenheim Holding S.à.r.l.		SUBSIDIARY
New Fetter Lane Unit Trust		AFFILIATE	(28)			Roppenheim Outlet SNC		SUBSIDIARY
60 Great Portland Street Unit Trust		AFFILIATE	(29)			TC-Norway AS		SUBSIDIARY
70 St Mary Axe Unit Trust		AFFILIATE	(30)			Skedsmo Logistikk AS		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) OVG Cloud S.à.r.l. (OVG) is owned by TIAA via a 25% ownership of Cityhold Propco 11 S.à.r.l. (10.1% of OVG) and Cityhold Propco 12 S.à.r.l. (89.9% of OVG).

(25) 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.

(26) 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%).

(27) 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%).

(28) 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%).

(29) 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%).

(30) 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%).

(31) 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%.

(32) 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.

(33) 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%).

SCHEDULE Y - INFORMATION CONCERNING ACTIVITIES OF INSURER MEMBERS OF A HOLDING COMPANY GROUP  
PART 1 - ORGANIZATIONAL CHART  
STATEMENT AS OF JUNE 30, 2021 OF THE TIAA-CREF LIFE INSURANCE COMPANY

LISTING 3 (CONTINUED):

COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP
T-C GA Real Estate Holdings, LLC	45-2877772	SUBSIDIARY	T-C GA Real Estate Holdings, LLC (continued)			T-C Waterford Blue Lagoon, LLC (continued)		
8 Spruce Street GA Investor, LLC	46-0959792	SUBSIDIARY	T-C 888 Brannan Venture LLC	47-4684031	SUBSIDIARY	Westland At Waterford General Partner LLC	47-5635267	SUBSIDIARY
FC 8 Spruce Holdings, LLC	46-1403221	AFFILIATE	T-C 888 Brannan Owner LLC	47-4674147	SUBSIDIARY	Westland at Waterford LLC	47-5580924	SUBSIDIARY
FC 8 Spruce Street Residential, LLC		AFFILIATE	T-C 888 Brannan TRS, LLC	47-5605380	SUBSIDIARY	Waterford Blue Lagoon REIT General Partner LLC		SUBSIDIARY
2300 Broadway Storage Operator LLC	84-2144204	SUBSIDIARY	T-C 2300 Broadway, LLC	45-3479701	SUBSIDIARY	Waterford Blue Lagoon REIT LP	47-5305678	SUBSIDIARY
Nuveen Global Cities REIT, Inc.	82-1419222	SUBSIDIARY	T-C Asplir LLC	46-1220681	SUBSIDIARY	5201-5301 Waterford General Partner LLC	47-5642524	SUBSIDIARY
Nuveen Global Cities REIT LP, LLC	82-1502883	SUBSIDIARY	T-C Franklin Square Member, LLC	46-1791581	SUBSIDIARY	5201-5301 Waterford Operating LP	47-5541032	SUBSIDIARY
Nuveen Global Cities REIT OP, LP	82-1507998	SUBSIDIARY	T-C Franklin Square Venture LLC	46-1794486	SUBSIDIARY	5200 Waterford General Partner LLC	47-5672651	SUBSIDIARY
Global Cities REIT Holding Company LLC	87-0923425	SUBSIDIARY	T-C Hall of States Square, LLC	47-0011704	SUBSIDIARY	1000 Waterford General Partner LLC	81-0722154	SUBSIDIARY
NR 844 North LLC	82-3527067	SUBSIDIARY	T-C Hall of States Member LLC	47-2023405	SUBSIDIARY	1000 Waterford Operating LP	47-5479437	SUBSIDIARY
NR 9725 Datapoint Drive LLC	84-3576911	SUBSIDIARY	T-C Hall of States Venture LLC	47-2043468	SUBSIDIARY	701-703 Waterford General Partner LLC	47-5445045	SUBSIDIARY
NR APCF Investor Ltd.		SUBSIDIARY	T-C Kings Crossing, LLC	45-4045658	SUBSIDIARY	701-703 Waterford Operating LP	47-5471474	SUBSIDIARY
NR Berkeley Lake Road LLC	86-2212099	SUBSIDIARY	T-C Legacy Place Member, LLC	46-1120016	SUBSIDIARY	Waterford Core REIT General Partner LLC	82-2631273	SUBSIDIARY
NR Brookson Flats LP		SUBSIDIARY	Legacy Place Associates, LLC	46-0876833	SUBSIDIARY	Waterford Core REIT LP	82-2646233	SUBSIDIARY
NR Deform Hills LLC	82-5519657	SUBSIDIARY	300 Legacy Place Boulevard LLC		SUBSIDIARY	Waterford Core 800 REIT General Partner LLC		SUBSIDIARY
NR Denver Industrial Portfolio LLC	82-3539243	SUBSIDIARY	Legacy Place Properties, LLC	30-0769316	SUBSIDIARY	Waterford Core 800 REIT LP	84-3541603	SUBSIDIARY
NR East Sego Lily LLC	83-3651003	SUBSIDIARY	T-C Republic Square Member LLC	47-2903822	SUBSIDIARY	Waterford Core General Partner LLC	81-0733012	SUBSIDIARY
NR ECF Investor Ltd.		SUBSIDIARY	T-C Republic Square Venture LLC	47-2867784	SUBSIDIARY	Waterford Core Operating LP	47-5587163	SUBSIDIARY
NR Globe Street Industrial LLC	84-3175301	SUBSIDIARY	T-C Republic Square Mezzanine LLC	47-3081198	SUBSIDIARY	Waterford Core II General Partner LLC	82-2672297	SUBSIDIARY
NR Henderson 215 LLC	82-3556058	SUBSIDIARY	T-C Republic Square Owner LLC	47-2793452	SUBSIDIARY	TGA 10th Street Business Park LLC	84-3332496	SUBSIDIARY
NR Kirkland Crossing LLC	83-1815798	SUBSIDIARY	The Flats Holding Company LLC	47-137587486	SUBSIDIARY	TGA 127-137 Franklin LLC	81-2676078	SUBSIDIARY
NR Main Street at Kingwood LLC	85-2687958	SUBSIDIARY	The Flats 130 DC Residential LLC	47-1347366	SUBSIDIARY	TGA 299 Franklin LLC	81-2769108	SUBSIDIARY
NR Massachusetts REIT Member LLC	85-3509880	SUBSIDIARY	The Flats 140 DC Residential LLC	47-1363564	SUBSIDIARY	TGA 600 College Road LLC	81-3988795	SUBSIDIARY
NR 1 National Street LLC	87-1005322	SUBSIDIARY	The Flats DC Grocery LLC	47-1367530	SUBSIDIARY	TGA 730 Third Avenue Owner LLC	83-2548459	SUBSIDIARY
NR MOB 1429 Highway 6 Member LLC	87-1005076	SUBSIDIARY	T-C JK I, LLC	46-4567368	SUBSIDIARY	TGA 3401 North Ashton Blvd LLC	83-2957526	SUBSIDIARY
NRNX MOB 1429 Highway 6 Venture LLC	87-0994699	SUBSIDIARY	Adeoti Empreendimentos Imobiliários Ltda		SUBSIDIARY	TGA 3851 Grandpine Way LLC	82-4830474	SUBSIDIARY
NR MOB 1429 Highway 6 LLC	86-1392851	SUBSIDIARY	T-C JK II, LLC	46-4587620	SUBSIDIARY	TGA APAC Fund Holdings, LLC	82-2225812	SUBSIDIARY
NRNX MOB 2945 Wilderness Place Venture LLC	86-1393093	SUBSIDIARY	Adeoti Empreendimentos Imobiliários Ltda		SUBSIDIARY	Asia Pacific Cities Fund, FCP		SUBSIDIARY
NR MOB 2945 Wilderness Place LLC	85-3510154	SUBSIDIARY	T-C Lux Fund Holdings LLC	47-4085803	SUBSIDIARY	GA Real Estate Fund Holdings, LLC	82-2311300	SUBSIDIARY
NR MOB 4600 Bill Gardner Parkway LLC	85-4201485	SUBSIDIARY	T-C Lux Investments Special Limited Partnership		SUBSIDIARY	Asia Pacific Cities Fund, FCP		SUBSIDIARY
NR San Antonio Industrial Building LLC	82-5503093	SUBSIDIARY	European Cities Partnership SCSp		AFFILIATE	TGA ASI Monte Vista Investor Member LLC	86-3673675	SUBSIDIARY
NR The Canyons LLC	86-3385370	SUBSIDIARY	T-C MV Member LLC	81-4583865	SUBSIDIARY	TGA Auburn Business Park LLC	84-3830265	SUBSIDIARY
Nuveen Global Cities REIT Lending, LLC	83-4299885	SUBSIDIARY	T-C M-T REIT LLC	81-4599024	SUBSIDIARY	TGA Aurora DC III LLC	84-3285557	SUBSIDIARY
Nuveen Global Cities REIT Subsidiary GP LLC	87-1201383	SUBSIDIARY	T-C MV Member II LLC		SUBSIDIARY	TGA Baltimore IC LLC	84-3475931	SUBSIDIARY
Union Property Operations NRE IV LLC	86-3628175	SUBSIDIARY	T-C M-T REIT II LLC	84-3224525	SUBSIDIARY	TGA Barnes Canyon Life Science LLC	83-1851559	SUBSIDIARY
T-C 2 Herald Square Member LLC	47-1535030	SUBSIDIARY	T-C MT II Originations TRS LLC	85-2937933	SUBSIDIARY	TGA PC MCF Investor Member LLC	85-3076626	SUBSIDIARY
T-C 2 Herald Square Venture LLC	47-1650509	SUBSIDIARY	T-C Mt. Ommaney Centre Holding Company LLC	47-1954609	SUBSIDIARY	TGA Beckwith Farms LLC	84-3303586	SUBSIDIARY
T-C 2 Herald Square Owner LLC	47-1488131	SUBSIDIARY	T-C Mt. Ommaney Centre LLC	47-1828871	SUBSIDIARY	TGA Bedford Park LLC	84-3314123	SUBSIDIARY
T-C 1101 Pennsylvania Avenue LLC	27-2952349	SUBSIDIARY	T-C Permian Investor LLC	82-1023309	SUBSIDIARY	TGA Boulder Creek LLC	85-4073425	SUBSIDIARY
T-C 1101 Pennsylvania Avenue Venture LLC	27-2952617	SUBSIDIARY	T-C SBMC Joint Venture LLC	46-3007720	SUBSIDIARY	TGA Bridge Creek LLC	85-4073222	SUBSIDIARY
T-C 1101 Pennsylvania Avenue Owner LLC	27-2952860	SUBSIDIARY	T-C SMA 2, LLC	36-4620008	SUBSIDIARY	TGA Bridge Point LLC	84-3441362	SUBSIDIARY
T-C 33 Arch Street Member, LLC	46-1851206	SUBSIDIARY	T-C The Edge at Flagler Village, LLC	81-2204918	SUBSIDIARY	TGA Cactus DC I LLC	84-2939493	SUBSIDIARY
T-C 33 Arch Street Venture, LLC	45-2792699	SUBSIDIARY	T-C UK RE Holdings I, LLC	81-2676934	SUBSIDIARY	TGA Cactus DC II LLC	84-2939493	SUBSIDIARY
T-C 470 Park Avenue South Member LLC	46-1744112	SUBSIDIARY	T-C UK RE Holdings II, LLC	81-3299073	SUBSIDIARY	TGA Capital Beltway CC LLC	84-3523623	SUBSIDIARY
T-C 470 Park Avenue South Venture LLC	46-1828055	SUBSIDIARY	T-C U.S. Super Regional Mall Fund LP	47-3148337	SUBSIDIARY	TGA Carl Riverstone Investor Member LLC	81-2691474	SUBSIDIARY
T-C 475 Fifth Avenue Member, LLC	46-1839003	SUBSIDIARY	T-C Waterford Blue Lagoon General Partner, LLC	47-5379777	SUBSIDIARY	TGA Centerpointe LLC	84-3314029	SUBSIDIARY
T-C 475 Fifth Avenue Venture LLC	45-3229803	SUBSIDIARY	Waterford Blue Lagoon LP	47-5382075	SUBSIDIARY	TGA Central Green LLC	83-3799476	SUBSIDIARY
T-C 475 Fifth Avenue, LLC	47-2189075	SUBSIDIARY	T-C Waterford Blue Lagoon, LLC	47-5375805	SUBSIDIARY	TGA Central Square Investor Member LLC	84-4376282	SUBSIDIARY
T-C 800 17th Street NW Member LLC	47-2118640	SUBSIDIARY	Waterford Blue Lagoon LP	47-5382075	SUBSIDIARY	TGACSE Central Square Holdings LLC	84-4880676	SUBSIDIARY
T-C 800 17th Street NW Venture LLC	47-2069910	SUBSIDIARY	Westland At Waterford REIT General Partner LLC	81-0779817	SUBSIDIARY	TGACSE Central Square LLC	84-4893448	SUBSIDIARY
T-C 888 Brannan Member LLC	47-4665824	SUBSIDIARY	Westland At Waterford REIT LP	47-5321919	SUBSIDIARY	TGACSE Midwood Corners LLC	84-4823976	SUBSIDIARY

(34) 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

(13) 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) SCSp is controlled by TIAA, which owns 36.3%. T-C Lux Investments Special Limited Partnership, which is 100% owned by TIAA, owns 24.3%.

(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

SCHEDULE Y - INFORMATION CONCERNING ACTIVITIES OF INSURER MEMBERS OF A HOLDING COMPANY GROUP  
PART 1 - ORGANIZATIONAL CHART  
STATEMENT AS OF JUNE 30, 2021 OF THE TIAA-CREF LIFE INSURANCE COMPANY

LISTING 3 (CONTINUED):

COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP
TEFF Holdco LLC	81-2146865	SUBSIDIARY	TGA European RE Holdings I, LLC	83-2810033	SUBSIDIARY	TGA MS Self Storage Investor Member LLC	83-1916152	SUBSIDIARY
TIAA European Farmland Fund GP LP	98-1310748	SUBSIDIARY	Eagle GPCo S.à r.l.		SUBSIDIARY	Morningstar NRE Self Storage Portfolio LLC	83-2379583	SUBSIDIARY
TIAA European Farmland Fund LP	98-1310748	SUBSIDIARY	Eagle Partnership SCSp		SUBSIDIARY	MSC Bentonville, LLC		SUBSIDIARY
TEFF Holding S.à r.l.		SUBSIDIARY	Eagle JVCo S.à r.l.		SUBSIDIARY	MSC Boerne, LLC		SUBSIDIARY
TEFF Investments B.V.		SUBSIDIARY	CB Kriau Dzwei GmbH		SUBSIDIARY	MSC Buda, LLC		SUBSIDIARY
Area III Spolka z o.o.		SUBSIDIARY	VIE Student House A GmbH & Co KG		SUBSIDIARY	MSC Carolinas, LLC		SUBSIDIARY
Hodowla Zwierząt Zarodowych Choczewo Spolka z o.o.		SUBSIDIARY	Eagle Austria Holdings S.à r.l.		SUBSIDIARY	MSC Dam Storage, LLC		SUBSIDIARY
Hodowla Zwierząt Zarodowych Wierzhucino Spolka z o.o.		SUBSIDIARY	VIE Student House A GmbH & Co KG		SUBSIDIARY	MSC Evans Rd, LLC		SUBSIDIARY
Hodowla Zwierząt Zarodowych Zamowice Spolka z o.o.		SUBSIDIARY				Eagle Italy 1 S.r.l.		SUBSIDIARY
Dangro Invest SA		SUBSIDIARY	Studenthouse Rua Manuel Pereira, S.A		SUBSIDIARY	MSC Highway 521 Storage, LLC		SUBSIDIARY
AGAT Spolka z o.o.		SUBSIDIARY	Wroclaw Fabryczna 22 sp. z o.o.		SUBSIDIARY	MSC Kemps Landing, LLC		SUBSIDIARY
AGRA Spolka z o.o.		SUBSIDIARY	Wroclaw Prusa 9 sp. z o.o.		SUBSIDIARY	MSC Midtown Atlanta, LLC		SUBSIDIARY
AGRAMAX Spolka z o.o.		SUBSIDIARY	TGA Housing Holding S.à r.l.		SUBSIDIARY	MSC MTP, LLC		SUBSIDIARY
AGRIFARM Spolka z o.o.		SUBSIDIARY	Blitz H21-612 GmbH		SUBSIDIARY	MSC Peachtree, LLC		SUBSIDIARY
AGRO - DUBLINY SP. z o.o.		SUBSIDIARY	TK Living GPCo Sarl		SUBSIDIARY	MSC South End, LLC		SUBSIDIARY
AGROLAND Spolka z o.o.		SUBSIDIARY	TK Living Partnership SCSp		SUBSIDIARY	MSC Spring Branch, LLC		SUBSIDIARY
AGROSERVICE Spolka z o.o.		SUBSIDIARY	TK Living JVCo Sarl		SUBSIDIARY	MSC SW Austin, LLC		SUBSIDIARY
AMAL Spolka z o.o.		SUBSIDIARY	Lotomint S.L.		SUBSIDIARY	MSC Tallahassee, LLC		SUBSIDIARY
CISY Spolka z o.o.		SUBSIDIARY	Carminsin S.L.		SUBSIDIARY	MSC Yorktown, LLC		SUBSIDIARY
KOLNO Spolka z o.o.		SUBSIDIARY	Nardisino S.L.		SUBSIDIARY	TGA NYCAHP I Investor Member LLC	85-2858128	SUBSIDIARY
MILKOWO Sp. z o.o.		SUBSIDIARY	Sanfergar S.L.		SUBSIDIARY	TGA North Miller Industrial LLC	84-3740851	SUBSIDIARY
SATOPY Spolka z o.o.		SUBSIDIARY	Tinesen S.L.		SUBSIDIARY	TGA North Orange Industrial LLC	84-3759605	SUBSIDIARY
SEE-AGRO SP. z o.o.		SUBSIDIARY				TGA OH Logistics Center IV LLC	84-4774106	SUBSIDIARY
SOBIERADZ Spolka z o.o.		SUBSIDIARY	Fenway Center Holding 1-2, LLC	82-2708488	SUBSIDIARY	TGA Oak View Mall LLC	83-1934291	SUBSIDIARY
Pszennol SA		SUBSIDIARY	Fenway Center Owner 1-2, LLC	82-2708488	SUBSIDIARY	TGA Octave Apartments LLC	85-3510351	SUBSIDIARY
BUDUS Spolka z o.o.		SUBSIDIARY	TGA Franklin Square IC I LLC	84-3523773	SUBSIDIARY	TGA Pacific Landing LLC	85-4396119	SUBSIDIARY
LOZICE Sp. z o.o.		SUBSIDIARY	TGA Franklin Square IC II LLC	84-3523813	SUBSIDIARY	TGA Park 355 LLC	84-3254852	SUBSIDIARY
OGARDY SP. z o.o.		SUBSIDIARY	TGA Freoport DC LLC	84-3332846	SUBSIDIARY	TGA Park 55 LLC	84-3254103	SUBSIDIARY
ROLA Spolka z o.o.		SUBSIDIARY	TGA Greenstone Logistics Center LLC	84-3740749	SUBSIDIARY	TGA Park 88 LLC	84-3254979	SUBSIDIARY
ROLPOL Spolka z o.o.		SUBSIDIARY	TGA Hagerstown DC LLC	84-3463522	SUBSIDIARY	TGA Peaceable Investor Member LLC		SUBSIDIARY
ROLZBUD Spolka z o.o.		SUBSIDIARY	TGA Hollins End LLC	84-3475313	SUBSIDIARY	TGA Pleasant Prairie Center LLC	83-3250233	SUBSIDIARY
SZAFIR SP. z o.o.		SUBSIDIARY	TGA I-95 DC LLC	84-3523721	SUBSIDIARY	TGA Prairie Point LLC	84-3285659	SUBSIDIARY
WALICHNOWY Sp. z o.o.		SUBSIDIARY	TGA Japan Holdings, LLC	81-3602072	SUBSIDIARY	TGA Renton Park 405 LLC	84-3830675	SUBSIDIARY
ZIEMROL Spolka z o.o.		SUBSIDIARY	TGA Japan GK Holdings Pte Ltd		SUBSIDIARY	TGA Sandy Corner Industrial LLC	83-2938932	SUBSIDIARY
Adamas SA		SUBSIDIARY	TGA Ginza 115 Holdings Pte Ltd		SUBSIDIARY	TGA Somerset IC LLC	84-3487605	SUBSIDIARY
AMBER SP. z o.o.		SUBSIDIARY	TGA JL Investor Member LLC	84-3718861	SUBSIDIARY	TGA Somerset IC II LLC	84-3476142	SUBSIDIARY
CIESZYSŁAW SP. z o.o.		SUBSIDIARY	TGA JL II Investor Member LLC	84-4376472	SUBSIDIARY	TGA Sparrow Investor LLC	85-2863856	SUBSIDIARY
JAROSŁAWSKO I SP. z o.o.		SUBSIDIARY	TGA JL III CT Investor Member LLC	87-1280436	SUBSIDIARY	Sparrow Realty Investment I LLC	85-2574637	SUBSIDIARY
JAROSŁAWSKO II SP. z o.o.		SUBSIDIARY	TGA JL MCF Investor Member LLC	85-1292481	SUBSIDIARY	Sparrow Realty Investment WHF, LLC		SUBSIDIARY
JASIONNO Spolka z o.o.		SUBSIDIARY	TGA Landover DC LLC	84-3523582	SUBSIDIARY	SN Arizona LLC		SUBSIDIARY
OPAL SP z o.o.		SUBSIDIARY	TGA Maryland Farms Holdings LLC	84-4773958	SUBSIDIARY	SN DFW LLC		SUBSIDIARY
TETRYI SP. z o.o.		SUBSIDIARY	U.S. Cities Office Fund Maryland Farms Co-Invest	84-4775239	SUBSIDIARY	SN SA LLC	86-1703020	SUBSIDIARY
Gospodarstwo Okopy Sp. z o.o.		SUBSIDIARY	TGA Lakes at Indian Creek Investor Member LLC	85-4075985	SUBSIDIARY	SN Tampa LLC		SUBSIDIARY
Agrohop Service Sp. z o.o.		SUBSIDIARY	TGA MH Investor Member LLC	84-2765297	SUBSIDIARY	Sparrow Homes US LLC	85-3330672	SUBSIDIARY
Agrohop Sp. z o.o.		SUBSIDIARY	TGA MH III Investor Member LLC	84-2765297	SUBSIDIARY	TGA SS Self Storage Investor Member LLC	86-1741788	SUBSIDIARY
Agrohop Bis Sp. z o.o.		SUBSIDIARY	TGA MKP Member LLC	82-1169084	SUBSIDIARY	TGA SS Self Storage Tranche I Venture LP		SUBSIDIARY
Cieszanowice Solar Park sp. z o.o.		SUBSIDIARY	TGA MKP REIT LLC	82-1187131	SUBSIDIARY	TGA SS Self Storage Portfolio Venture LP	86-1714431	SUBSIDIARY
Przedsiębiorstwo Rolne Okopy Sp. z o.o.		SUBSIDIARY	TGA MOB South Boerne LLC		SUBSIDIARY	TGA SC Bonita Springs LP	83-1922164	SUBSIDIARY
TGA East Coronado Industrial LLC	84-3740496	SUBSIDIARY	TGA Montague Investor Member, LLC	81-4232788	SUBSIDIARY	TGA SC Gainesville LP	86-1623454	SUBSIDIARY
TGA East Miraloma Industrial LLC	84-3740590	SUBSIDIARY	RCD TGA Pierrepont Partners LLC		SUBSIDIARY	TGA SC Columbus Veterans LP	86-1623724	SUBSIDIARY
TGA Eastridge Investor Member LLC		SUBSIDIARY	TGA Montrose Residences Investor Member, LLC	81-3542251	SUBSIDIARY	TGA SC Columbus Ford LP	86-1624012	SUBSIDIARY
TGA King EastRidge Venture LLC		SUBSIDIARY	The Residences at La Colombe d'Or Investors LLC	81-2872565	SUBSIDIARY	TGA SC Global Indy I LP	86-1638763	SUBSIDIARY
TGA King EastRidge Owner LLC		SUBSIDIARY	TGA Near East LLC	83-4153778	SUBSIDIARY	TGA SC Indianapolis 29th Street LP	86-1638905	SUBSIDIARY
TGA Emerald Corporate Park LC	84-3740669	SUBSIDIARY	TGA Nex Investor LLC	85-1291328	SUBSIDIARY	TGA SC Erie Avenue LP	86-1639097	SUBSIDIARY
TGA Englewood DC LLC	84-3502383	SUBSIDIARY	TGA NJAHP Investor Member LLC	83-4139835	SUBSIDIARY	TGA SC Kensington LP	86-1639231	SUBSIDIARY
TGA Enterprise Park Business Center LLC		SUBSIDIARY	TGA NJAHP II Investor Member LLC	84-4574378	SUBSIDIARY	TGA SC Germantown LP	86-1639333	SUBSIDIARY
						TGA SC Lancaster LP	86-1676331	SUBSIDIARY
						TGA SC Beaumont LP	86-1676505	SUBSIDIARY
						TGA SC Glenn Heights LP	86-1676901	SUBSIDIARY
						TGA SC Houston LP	86-1677082	SUBSIDIARY
						TGA SC Hansboro Avenue LP	86-1677222	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) VIE Student House A GmbH & Co KG is controlled by TIAA, and partially owned indirectly by Eagle Austria Holdings S.à r.l., which owns 94%, and CB Kriau Dzwei GmbH, which owns 6%.

(38) 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.



SCHEDULE Y - INFORMATION CONCERNING ACTIVITIES OF INSURER MEMBERS OF A HOLDING COMPANY GROUP  
PART 1 - ORGANIZATIONAL CHART  
STATEMENT AS OF JUNE 30, 2021 OF THE TIAA-CREF LIFE INSURANCE COMPANY

LISTING 3 (CONTINUED):

COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP
TGA SP-MPC Housing Investor Member LLC	83-2063402	SUBSIDIARY	TGA Sterling DC LLC	84-3255382	SUBSIDIARY	TIAA Global Ag Holdco LLC	27-5551198	SUBSIDIARY
TGA-SP Housing Venture I LLC	83-2147240	SUBSIDIARY	TGA TCA Durham Logistics Center Investor Member LLC		SUBSIDIARY	Global Agriculture AIV (US) LLC	45-5044364	SUBSIDIARY
TGA SP-MPC Housing Venture I LLC	83-2123785	SUBSIDIARY	TGA TCA Durham Logistics Center LLC		SUBSIDIARY	Global Ag Properties USA LLC	45-1531685	SUBSIDIARY
MPSP Ashwood Homes LLC	83-1869400	SUBSIDIARY	TGA The Apartments at Blakeney LLC	85-3509669	SUBSIDIARY	Loma del Rio Vineyards, LLC	80-0843991	SUBSIDIARY (19)
MPSP Ashwood MHC LLC	83-1869494	SUBSIDIARY	TGA The Warehouse At CH Investor Member LLC	84-3093962	SUBSIDIARY	Sugarloaf Vineyard, LLC	46-2577906	SUBSIDIARY
MPSP Bettline Homes LLC	84-2331138	SUBSIDIARY	TGAP The Warehouse At CH LLC	84-3055701	SUBSIDIARY	Global Agriculture II AIV (US) LLC	47-1083514	SUBSIDIARY
MPSP Bettline Lender LLC	84-2345909	SUBSIDIARY	TGAP The Warehouse At CH Owner LLC	84-3055465	SUBSIDIARY	Global Ag Properties II USA LLC	47-1069783	SUBSIDIARY
MPSP Bettline MHC LLC	84-2216330	SUBSIDIARY	TGA The Warehouse At CH II Investor Member LLC	86-1749539	SUBSIDIARY	TIAA-CREF Global Agriculture LLC	27-5551341	SUBSIDIARY
MPSP Center Grove Homes LLC	83-1088601	SUBSIDIARY	TGAP The Warehouse at CH II LLC		SUBSIDIARY	Global Ag Properties Australia Ltd		SUBSIDIARY
MPSP Center Grove Lender LLC	83-2290040	SUBSIDIARY	TGAP The Warehouse at CH II Owner LLC		SUBSIDIARY	Global AG Properties Australia Trust		SUBSIDIARY
MPSP Center Grove MHC LLC	83-1076792	SUBSIDIARY	TGA Tri-State Commerce Center LLC	84-3759437	SUBSIDIARY	Nova Gaia Brasil Participaco Ltda.		SUBSIDIARY (39)
MPSP Colinas South Homes LLC	84-2158715	SUBSIDIARY	TGA Twelve100 Apartments LLC	85-3917654	SUBSIDIARY	Tellus Brasil Participaco S.A.		SUBSIDIARY (40)
MPSP Colinas South Lender LLC	84-2158791	SUBSIDIARY	TGA University Parcels LLC		SUBSIDIARY	Terraviva Brasil Participaco Ltda.		SUBSIDIARY (41)
MPSP Colinas South MHC LLC	84-2169896	SUBSIDIARY	TGA Van Dorens West LLC	84-3830895	SUBSIDIARY	Tellus Brasil Participaco S.A.		SUBSIDIARY (40)
MPSP Estancia Homes LLC	84-2169973	SUBSIDIARY	TGA Vista Point South LLC	84-3441798	SUBSIDIARY	Agrobio Investimentos e Participações S.A.		SUBSIDIARY
MPSP Estancia Lender LLC	84-2277681	SUBSIDIARY	TGA Washington DC CC LLC	84-3527380	SUBSIDIARY	Cerpon Participações S.A.		SUBSIDIARY
MPSP Estancia MHC LLC	84-1976109	SUBSIDIARY	TGA Westport Distribution Center LLC	84-2939589	SUBSIDIARY	Nova Ibiajara Propriedades Agricolas S.A.		SUBSIDIARY
MPSP Fairlane Oaks Homes LLC	84-4260197	SUBSIDIARY	TGA Yorktown Apartments LLC	83-0723201	SUBSIDIARY	Tellus Bahia Propriedades Agricolas Ltda.		SUBSIDIARY
MPSP Fairlane Oaks Lender LLC	83-4283444	SUBSIDIARY	TGAM Agribusiness Fund LP	81-1994278	SUBSIDIARY	Jatobá Propriedades Agrícolas Ltda.		SUBSIDIARY
MPSP Fairlane Oaks MHC LLC	83-2700633	SUBSIDIARY	TIAA CLO I Ltd		SUBSIDIARY	TIAA Administrative Services LLC		SUBSIDIARY
MPSP Lakeview Homes LLC	84-2290488	SUBSIDIARY	TIAA CLO I LLC		SUBSIDIARY	Terrainvest Propriedades Agrícolas S.A.		SUBSIDIARY
MPSP Lakeview Lender LLC	84-2319726	SUBSIDIARY	TIAA CLO I Holdco LLC		SUBSIDIARY	Tparone Participações S.A.		SUBSIDIARY
MPSP Lakeview MHC LLC	83-1213262	SUBSIDIARY	TIAA CLO II Ltd		SUBSIDIARY	Toperone Agricola S.A.		SUBSIDIARY
MPSP Lemon Tree Homes LLC	83-2548459	SUBSIDIARY	TIAA CLO II LLC		SUBSIDIARY	Tpartwo Participações S.A.		SUBSIDIARY
MPSP Lemon Tree MHC LLC	83-1230821	SUBSIDIARY	TIAA CLO II Holding, LLC	84-1921751	SUBSIDIARY	Topertwo Agricola S.A.		SUBSIDIARY
MPSP Mobile Gardens Homes LLC	83-1230714	SUBSIDIARY	TIAA CLO III Ltd		SUBSIDIARY	TIAA-CREF Global Agriculture BR, LLC	45-1502187	SUBSIDIARY
MPSP Mobile Gardens MHC LLC	84-2379528	SUBSIDIARY	TIAA CLO III LLC		SUBSIDIARY	Nova Gaia Brasil Participaco Ltda.		SUBSIDIARY (39)
MPSP Parker Homes LLC	84-2389423	SUBSIDIARY	TIAA CLO IV Ltd		SUBSIDIARY	Terraviva Brasil Participaco Ltda.		SUBSIDIARY (41)
MPSP Parker Lender LLC	84-2247177	SUBSIDIARY	TIAA CLO V Ltd		SUBSIDIARY	TIAA-CREF Global Agriculture II LLC	47-0974399	SUBSIDIARY
MPSP Parker MHC LLC	84-2277774	SUBSIDIARY	TIAA CMBS I, LLC	13-4173396	SUBSIDIARY	TIAA-CREF Global Agriculture II BR, LLC	47-1062423	SUBSIDIARY
MPSP Seven Oaks Homes LLC	84-2290439	SUBSIDIARY	TIAA CMBS I Trust	13-4173396	SUBSIDIARY	TIAA Global Equity Income, LLC	46-2860100	SUBSIDIARY
MPSP Seven Oaks Lender LLC	84-2198856	SUBSIDIARY	TIAA Diversified Public Investments, LLC	47-4570655	SUBSIDIARY	TIAA Global Public Investments, LLC	26-3594208	SUBSIDIARY
MPSP Seven Oaks MHC LLC	83-2725391	SUBSIDIARY	Everbank Funding, LLC	37-17181179	SUBSIDIARY	TIAA GTR HoldCo, LLC	46-3881813	SUBSIDIARY
MPSP Shiloh Homes LLC	83-2700544	SUBSIDIARY	TIAA, FSB	59-3531592	SUBSIDIARY	Global Timber Resources LLC	46-3210500	SUBSIDIARY
MPSP Shiloh Lender LLC	84-2428644	SUBSIDIARY	AMC Holding, Inc.	59-3547521	SUBSIDIARY	Global Timber SA LLC	46-3909387	SUBSIDIARY
MPSP Shiloh MHC LLC	84-2436652	SUBSIDIARY	Customerone Financial Network, Inc.	43-1823879	SUBSIDIARY	Global Timber Resources Colombia, S.A.S.		SUBSIDIARY
MPSP South Concho Homes LLC	84-2261982	SUBSIDIARY	Business Property Lending, Inc.	36-1208070	SUBSIDIARY	Global Timber International LLC	46-3899490	SUBSIDIARY
MPSP South Concho Lender LLC	83-2736822	SUBSIDIARY	Elite Lender Services, Inc.	11-3642567	SUBSIDIARY	Global Timber Spain, SL		SUBSIDIARY
MPSP South Concho MHC LLC	83-2736936	SUBSIDIARY	Tygris Commercial Financial Group, Inc.	61-1560018	SUBSIDIARY	Forestal Monterrey Colombia SAS	98-1206384	SUBSIDIARY
MPSP Stonegate Homes LLC	83-2725560	SUBSIDIARY	TIAA Commercial Finance, Inc.	20-0716627	SUBSIDIARY	Forestal GTR Chile Limitada		SUBSIDIARY
MPSP Stonegate Lender LLC	84-2319873	SUBSIDIARY	Tygris Asset Finance, Inc.	26-2483829	SUBSIDIARY	Monte Fresnos Asociacion Agraria de Responsabilidad LTDA		SUBSIDIARY
MPSP Stonegate MHC LLC	84-2331064	SUBSIDIARY	TIAA GBS Holding LLC	81-1241294	SUBSIDIARY	Monte Fresnos, S.A.		SUBSIDIARY
MPSP TC GH Homes LLC	84-2216166	SUBSIDIARY	TIAA GBS Singapore Holding Company Pte. Ltd.		SUBSIDIARY	Taurion Asociacion Agraria de Responsabilidad LTDA		SUBSIDIARY
MPSP TC GH Lender LLC	84-2389479	SUBSIDIARY	TIAA Global Business Services (India) Private Limited		SUBSIDIARY	Taurion, S.A.		SUBSIDIARY
MPSP TC GH MHC LLC	84-2428588	SUBSIDIARY				GT Europe Cooperative UJA		SUBSIDIARY
MPSP TC Sherman Homes LLC	84-2345969	SUBSIDIARY				Global Timber NL, B.V.		SUBSIDIARY
MPSP TC Sherman Lender LLC	84-2361842	SUBSIDIARY				GTR Brasil Participacoes Ltda		SUBSIDIARY
MPSP TC Sherman MHC LLC	84-2379481	SUBSIDIARY				Brasilwood Reflorestamento S.A.		SUBSIDIARY
MPSP Wildwood Acres Homes LLC	84-2339646	SUBSIDIARY				Brasilwood Terras Florestais S.A.		SUBSIDIARY
MPSP Wildwood Acres Lender LLC	83-2848324	SUBSIDIARY				Khaya Woods Investimentos Florestais LTDA.		SUBSIDIARY
MPSP Wildwood Acres MHC LLC	83-2861026	SUBSIDIARY				Mamoneira Agropastoril S.A.		AFFILIATE
MPSP Wildwood Village Homes LLC						Jatoba Brasil Investimentos Florestais Ltda		SUBSIDIARY
MPSP Wildwood Village Lender LLC						Paineira Investimentos Florestais S.A.		SUBSIDIARY
MPSP Wildwood Village MHC LLC						IPOPEMA 95 Closed Investment Fund of Non-Public Assets		SUBSIDIARY
MPSP Windsong Homes LLC						EKO Topola Sp. z o.o.		SUBSIDIARY
MPSP Windsong Lender LLC						Bruno Resort Sp. z o.o.		SUBSIDIARY
MPSP Windsong MHC LLC								

(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.

SCHEDULE Y - INFORMATION CONCERNING ACTIVITIES OF INSURER MEMBERS OF A HOLDING COMPANY GROUP  
PART 1 - ORGANIZATIONAL CHART  
STATEMENT AS OF JUNE 30, 2021 OF THE TIAA-CREF LIFE INSURANCE COMPANY

LISTING 3 (CONTINUED):

COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP
TIAA Infrastructure Investments, LLC	45-3479281	SUBSIDIARY	TIAA-CREF Redwood, LLC	20-5591124	SUBSIDIARY
730 Parking LLC	81-5307354	SUBSIDIARY	TIAA Kapsick, LLC	20-5631854	SUBSIDIARY
730 Interpark, LLC	81-5302296	SUBSIDIARY	TIAA-CREF Tullion Financing, Inc.	13-4026557	SUBSIDIARY
A-30 Canadian Transport Inc.		SUBSIDIARY	UK PPP Investments, LP		SUBSIDIARY
1867 Infrastructure Holdings Inc.		SUBSIDIARY	Wigg (Holdings) Limited		SUBSIDIARY
1867 N/A30 Holding Inc.		SUBSIDIARY	Wigg Investments Limited		SUBSIDIARY
1867 Nouvelle Autoroute 30 Inc.		AFFILIATE	Merseylink (Holdings) Limited		AFFILIATE
I 595 Toll Road, LLC	38-3857916	SUBSIDIARY	Merseylink (Finance) Limited		AFFILIATE
North American Sustainable Energy Fund, L.P.	46-5279686	SUBSIDIARY	Merseylink (Issue) plc		AFFILIATE
McCommas Bluff Holdings LLC		AFFILIATE	Union Property Operations NRE III LLC	87-1101091	AFFILIATE
Dallas Clean Energy, LLC		AFFILIATE	U.S. Cities Industrial Fund LP	36-4932527	AFFILIATE
Dallas Clean Energy McCommas Bluff, LLC		AFFILIATE	U.S. Cities Multifamily Fund LP	30-1108455	AFFILIATE
Energy Power Investment Company, LLC		SUBSIDIARY	U.S. Cities Office Fund LP		SUBSIDIARY
EPP Renewable Energy, LLC		SUBSIDIARY	U.S. Cities Office Fund REIT LLC	61-1914684	SUBSIDIARY
North American Sustainable Energy Fund GP, LLC		SUBSIDIARY	U.S. Cities Office Fund Operating GP LLC		SUBSIDIARY
North American Sustainable Energy Manager, LLC		SUBSIDIARY	U.S. Cities Office Fund Operating LP	36-4919858	SUBSIDIARY
TIAA Oil and Gas Investments, LLC	45-2665869	SUBSIDIARY	USCOF Maryland Farms Holdings LLC		SUBSIDIARY
Acogas, LLC	45-1286237	SUBSIDIARY	U.S. Cities Office Fund Maryland Farms Co-Invest	84-4775239	SUBSIDIARY (38)
Actoil Bakken, LLC	46-3410649	SUBSIDIARY	USCOF Maryland Farms Ventur	84-4776394	SUBSIDIARY
Actoil Utica, LLC	45-3628993	SUBSIDIARY	USCOF Mobius Operating Member LLC	87-1365205	SUBSIDIARY
TIAA Realty, LLC	11-3519531	SUBSIDIARY	USCOF Optical Court LLC	85-3371600	SUBSIDIARY
T-C 77 Central LLC	81-0902394	SUBSIDIARY	U.S. Cities Retail Fund LP	82-3970010	SUBSIDIARY
T-C 680 Belleville LLC	46-2678242	SUBSIDIARY	U.S. Cities Retail Fund REIT LLC	82-4016503	SUBSIDIARY
T-C Port Northwest Development, LLC	81-3961919	SUBSIDIARY	U.S. Cities Retail Fund Operating GP LLC	82-4069923	SUBSIDIARY
TGA 70 Federal Street LLC	82-2885306	SUBSIDIARY	U.S. Cities Retail Fund Operating LP	82-4037905	SUBSIDIARY
TIAA RFS, LLC	82-2335773	SUBSIDIARY	T-C 919 N. Michigan Avenue Retail, LLC	46-0750331	SUBSIDIARY
TIAA Advisory, LLC	20-2904312	SUBSIDIARY	USCRF KRG JV Investor Member LLC		SUBSIDIARY
TIAA-CREF Insurance Agency, LLC	85-3343718	SUBSIDIARY	KRG – USCRF Retail Portfolio LLC	37-1904986	SUBSIDIARY
TIAA Shared Services, LLC	81-2755014	SUBSIDIARY	KRG 951 & 41, LLC		SUBSIDIARY
TIAA SMA Strategies, LLC	45-3029655	SUBSIDIARY	KRG Livingston Center, LLC		SUBSIDIARY
TIAA-Stonepeak Investments I, LLC	45-3030923	SUBSIDIARY	KRG-USCRF Plaza Volente, LLC		SUBSIDIARY
TIAA-Stonepeak Investments II, LLC	45-3164764	SUBSIDIARY	U.S. Core-Plus Real Estate Debt Fund LP	82-3988257	SUBSIDIARY
TIAA Super Regional Mall Member Sub, LLC	46-4623585	SUBSIDIARY	CRED REIT LLC	47-1938723	SUBSIDIARY
T-C Super Regional Mall Venture, LLC	46-4653326	SUBSIDIARY	CRED Glenhardie LLC	84-2113010	SUBSIDIARY
T-C International Plaza REIT LLC	46-4680948	SUBSIDIARY	CRED HQ LLC	85-1296109	SUBSIDIARY
T-C International Plaza Investor LP LLC	38-3173536	AFFILIATE	CRED REIT Holdco Alta LLC	86-3290456	SUBSIDIARY
Tampa Westshore Associates Limited Partnership	46-2713521	SUBSIDIARY	CRED REIT Holdco Hacienda LLC	87-1440716	SUBSIDIARY
T-C Las Vegas Retail REIT LLC	46-2726147	SUBSIDIARY	CRED REIT Holdco Phoenix Industrial LLC	87-0979505	SUBSIDIARY
T-C Las Vegas Retail Investor LLC		AFFILIATE	CRED REIT Holdco Seller LLC	83-2024014	SUBSIDIARY
Grand Canal Shoppes Holdings, LLC	45-3165203	SUBSIDIARY	CRED REIT Holdco TRS LLC	81-1392434	SUBSIDIARY
T-C Midwest REIT, LLC	45-2211957	SUBSIDIARY	CRED REIT Holdco Velocity LLC	81-1392434	SUBSIDIARY
T-C Midwest Retail, LLC		SUBSIDIARY	CRED REIT Manager LLC	82-4800804	SUBSIDIARY
CBL/T-C, LLC	45-3164998	SUBSIDIARY	CRED REIT Member LP	82-5347019	SUBSIDIARY
T-C Montgomery Mall REIT, LLC	27-4117159	SUBSIDIARY	CRED Sawtelle LLC	83-2267896	SUBSIDIARY
T-C Montgomery Mall, LLC	95-4658637	SUBSIDIARY	CRED Slabtown LLC	83-3184068	SUBSIDIARY
Montgomery Mall of Maryland, LLC	13-1624203	SUBSIDIARY	CRED West Coast	83-4107560	SUBSIDIARY
TIAA SynGas, LLC		SUBSIDIARY	Western A Midwest TN, LLC	84-3440905	SUBSIDIARY
730 Catsolar, LLC		SUBSIDIARY	Winslow Growth Capital Fund II, L.P.	83-1931152	SUBSIDIARY
Catalina Solar Lessee Holdco, LLC		SUBSIDIARY	WRC Properties, LLC	51-0141732	SUBSIDIARY
Catalina Solar Lessee, LLC		SUBSIDIARY			
SG Solutions, LLC	56-2492641	AFFILIATE			
AE Investor II, LLC	27-0195010	SUBSIDIARY			
TIAA Union Place Phase I, LLC	20-8892977	SUBSIDIARY			
Union Place Phase I, LLC	20-8281443	SUBSIDIARY			
TIAA Wind Investments, LLC	45-4486211	SUBSIDIARY			
Capistrano Wind Partners, LLC	45-3743502	AFFILIATE			
TIAA-CREF LPHC, LLC	20-8384004	SUBSIDIARY			
TIAA-CREF Real Property Fund GP, LLC		SUBSIDIARY			
TIAA-CREF Individual & Institutional Services, LLC	55-0856733	SUBSIDIARY			

(38) 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, 2021 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)	*
			13-6110585	3792687			TIAA Board of Governors	..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 Governors .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
			45-2401857	4618298			730 Holdings, LLC .....	..DE..	NIA.....	TIAA Board of Governors .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
			13-6022042		777535		College Retirement Equities Fund .....	..NY..	NIA.....	CREF Board of Governors .....	Board .....		CREF Board of Governors .....	..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 Governors .....	..N..	
										Teachers Insurance and Annuity Association of America .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
			47-1595484	4747826			Nuveen, LLC .....	..DE..	NIA.....	Nuveen, LLC .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
			81-3407371	5042621			Nuveen Services, LLC .....	..DE..	NIA.....	Nuveen, LLC .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
			13-3905273	4599865			TIAA-CREF Asset Management, LLC .....	..DE..	NIA.....	Nuveen, LLC .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
			81-1272900	4952732			L&C Special Member Holdco, LLC .....	..DE..	NIA.....	TIAA-CREF Asset Management, LLC .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
			46-3889185	4866932			GTR Special Member Holdco LLC .....	..DE..	NIA.....	TIAA-CREF Asset Management, LLC .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
			81-4374969				TIAA International GP LLC .....	..DE..	NIA.....	TIAA-CREF Asset Management, LLC .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
			13-3586142	4314303	887793		TIAA-CREF Investment Management, LLC .....	..DE..	NIA.....	TIAA-CREF Asset Management, LLC .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
			46-3870972	4716541			Nuveen Alternative Holdings, LLC .....	..DE..	NIA.....	TIAA-CREF Asset Management, LLC .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
			81-1467545	4974190			AGR Partners LLC .....	..DE..	NIA.....	Nuveen Alternative Holdings, LLC .....	Ownership.....	..75.000 .....	TIAA Board of Governors .....	..N..	
			36-4853278				AGR Services LLC .....	..DE..	NIA.....	Nuveen Alternative Holdings, LLC .....	Ownership.....	..1.000 .....	TIAA Board of Governors .....	..N..	100
			36-4853278				AGR Services LLC .....	..DE..	NIA.....	AGR Partners LLC .....	Ownership.....	..99.000 .....	TIAA Board of Governors .....	..N..	100
							AGR Special Opportunities GP, LLC .....	..DE..	NIA.....	AGR Partners LLC .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
			83-4328253				Nuveen Agribusiness Fund III GP, LLC .....	..DE..	NIA.....	AGR Partners LLC .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
			81-1870559	5010657			TGAM Agribusiness Fund GP LLC .....	..DE..	NIA.....	AGR Partners LLC .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
			45-5558395	4724096			Beaver Investments Holdings, LLC .....	..DE..	NIA.....	Nuveen Alternative Holdings, LLC .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
			80-0026976	4724108	1392090		GreenWood Resources, Inc. .....	..DE..	NIA.....	Beaver Investments Holdings, LLC .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
				4961006			Greenwood Resources Brasil, Ltda. ....	..BRA..	NIA.....	GreenWood Resources, Inc. ....	Ownership.....	..1.000 .....	TIAA Board of Governors .....	..N..	200
			45-1875074	4724153			GreenWood Resources Capital Management, LLC .....	..DE..	NIA.....	GreenWood Resources, Inc. ....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
			20-8501127	4868413			GTFP GP, LLC .....	..DE..	NIA.....	GreenWood Resources, Inc. ....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
			20-8955976	4867863			GWR-GTFP Investment, LLC .....	..DE..	NIA.....	GreenWood Resources, Inc. ....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
			47-4557075	4887580			Greenwood Resources Forest Management, LLC .....	..DE..	NIA.....	GreenWood Resources, Inc. ....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
										Greenwood Resources Forest Management, LLC .....					
				4961006			Greenwood Resources Brasil, Ltda. ....	..BRA..	NIA.....	Greenwood Resources Forest Management, LLC .....	Ownership.....	..99.000 .....	TIAA Board of Governors .....	..N..	200
										Greenwood Resources Forest Management, LLC .....					
			98-1016335	4868404			GreenWood Resources Poland sp Z.o.o. ....	..POL..	NIA.....	Greenwood Resources Forest Management, LLC .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
										Greenwood Resources Forest Management, LLC .....					
				4796600			GWR Uruguay S.A. ....	..URY..	NIA.....		Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
							Greenwood Resources Colombia SAS .....	..COL..	NIA.....	GreenWood Resources, Inc. ....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
			47-3158644	4844369			Churchill Asset Management LLC .....	..DE..	NIA.....	Nuveen Alternative Holdings, LLC .....	Ownership.....	..75.000 .....	TIAA Board of Governors .....	..N..	
			36-4851864	5083688			CAM HR Resources LLC .....	..DE..	NIA.....	Nuveen Alternative Holdings, LLC .....	Ownership.....	..1.000 .....	TIAA Board of Governors .....	..N..	300
			36-4851864	5083688			CAM HR Resources LLC .....	..DE..	NIA.....	Churchill Asset Management LLC .....	Ownership.....	..99.000 .....	TIAA Board of Governors .....	..N..	300
			82-3187734				Churchill Agency Services LLC .....	..DE..	NIA.....	Churchill Asset Management LLC .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
							Churchill Co-Invest Partners GP, LLC .....	..DE..	NIA.....	Churchill Asset Management LLC .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
							Churchill Feeder Fund GP II S.a.r.l. ....	..LUX..	NIA.....	Churchill Asset Management LLC .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
			83-1177850				Churchill Fund GP II LLC .....	..DE..	NIA.....	Churchill Asset Management LLC .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
			98-1449979				Churchill Fund GP II S.a.r.l. ....	..LUX..	NIA.....	Churchill Asset Management LLC .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
							Churchill Junior Capital Opportunities Fund II Carry-Co, LLC .....	..DE..	NIA.....	Churchill Asset Management LLC .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
							Churchill Junior Capital Opportunities Fund II GP, LLC .....	..DE..	NIA.....	Churchill Asset Management LLC .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
							Churchill Junior Capital Opportunities Fund II GP Sarl .....	..LUX..	NIA.....	Churchill Asset Management LLC .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
							Churchill MMSLF Special GP LLC .....	..DE..	NIA.....	Churchill Asset Management LLC .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
							Churchill Secondary Partners GP, LLC .....	..DE..	NIA.....	Churchill Asset Management LLC .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
			82-0735838	5106484			Churchill Special Member LLC .....	..DE..	NIA.....	Churchill Asset Management LLC .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	
			82-3784145				Churchill Warehouse LLC .....	..DE..	NIA.....	Churchill Asset Management LLC .....	Ownership.....	..100.000 .....	TIAA Board of Governors .....	..N..	

STATEMENT AS OF JUNE 30, 2021 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 Percentage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
			81-1817732	5041615			Nuveen Churchill Administration LLC	DE	NIA	Churchill Asset Management LLC	Ownership	100.000	TIAA Board of Governors	N	
			45-5044435	4867658			TGAM Churchill Fund GP LLC	DE	NIA	Churchill Asset Management LLC	Ownership	100.000	TIAA Board of Governors	N	
			45-5044681	4867667			Global AG AIV (ON) GP, LLC	DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Governors	N	
			47-1192644	4753564			Global Agriculture AIV (ON), LP	DE	NIA	Global AG AIV (ON) GP, LLC	Management		TIAA Board of Governors	N	
			47-1197292	4754776			Global Ag II AIV GP LLC	DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Governors	N	
			47-1208361	4866969			Global Agriculture II AIV, LP	DE	NIA	Global Ag II AIV GP LLC	Management		TIAA Board of Governors	N	
			83-2245173				GTR Investor Fund GP LLC	DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Governors	N	
							NAP Investors GP, LLC	DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Governors	N	
							NCBDC Holdings LLC	DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Governors	N	
			45-4288013	4866941			Nuveen Churchill Advisors LLC	DE	NIA	NCBDC Holdings LLC	Ownership	100.000	TIAA Board of Governors	N	
							Nuveen Alternatives Advisors, LLC	DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Governors	N	
							Nuveen Churchill Direct Lending Corp.	MD	NIA	Nuveen Alternatives Advisors, LLC	Ownership	100.000	TIAA Board of Governors	N	
			82-1917856				TPS Investors GP, LLC	DE	NIA	Nuveen Alternatives Advisors, LLC	Ownership	100.000	TIAA Board of Governors	N	
			45-4288091	4801858			Nuveen Alternatives Services, LLC	DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Governors	N	
				5041697			GAP II NZ GP Limited	NZL	NIA	Nuveen Alternatives Services, LLC	Ownership	100.000	TIAA Board of Governors	N	
			98-1310748	5041660			TIAA European Farmland Fund GP LP	CYM	NIA	Nuveen Alternatives Services, LLC	Ownership	50.000	TIAA Board of Governors	N	400
			47-1515836	4802819			TCAS Global Investments LLC	DE	NIA	Nuveen Alternatives Services, LLC	Ownership	100.000	TIAA Board of Governors	N	
							Nuveen CP Holdings 1 LLC	DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Governors	N	
							Nuveen CP LLC	DE	NIA	Nuveen CP Holdings 1 LLC	Ownership	79.200	TIAA Board of Governors	N	500
							Nuveen CP Holdings 2 LLC	DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Governors	N	
							Nuveen CP LLC	DE	NIA	Nuveen CP Holdings 2 LLC	Ownership	0.800	TIAA Board of Governors	N	500
							Greenworks Lending LLC	DE	NIA	Nuveen CP LLC	Ownership	100.000	TIAA Board of Governors	N	
							Greenworks SPV LLC	DE	NIA	Greenworks Lending LLC	Ownership	100.000	TIAA Board of Governors	N	
							PACEWell 1 LLC	DE	NIA	Greenworks Lending LLC	Ownership	100.000	TIAA Board of Governors	N	
							PACEWell 2 LLC	DE	NIA	Greenworks Lending LLC	Ownership	100.000	TIAA Board of Governors	N	
							PACEWell 3 LLC	DE	NIA	Greenworks Lending LLC	Ownership	100.000	TIAA Board of Governors	N	
			87-1326451				PACEWell 4 LLC	DE	NIA	Greenworks Lending LLC	Ownership	100.000	TIAA Board of Governors	N	
							PACE Financial Servicing LLC	DE	NIA	Nuveen CP LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-1819349				Nuveen Global Farmland Fund GP, LLC	DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Governors	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 Governors	N	
			84-5180164				Nuveen Global Impact Fund GP, LLC	DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Governors	N	
							Nuveen Global Impact Fund Lux GP S.à r.l.	LUX	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Governors	N	
			26-2719001	4313155			Nuveen International Holdings LLC	DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Governors	N	
							Nuveen Canada Company	CAN	NIA	Nuveen International Holdings LLC	Ownership	100.000	TIAA Board of Governors	N	
				5040579			Nuveen Japan Co., Limited	JPN	NIA	Nuveen International Holdings LLC	Ownership	100.000	TIAA Board of Governors	N	
			81-4349631	5079083			Nuveen UK, Limited	GBR	NIA	Nuveen International Holdings LLC	Ownership	100.000	TIAA Board of Governors	N	
			81-4290269	5079104			TGAM Subsidiary HC LLC	DE	NIA	Nuveen International Holdings LLC	Ownership	100.000	TIAA Board of Governors	N	
			81-4323796	5083718			TGAM APAC LLC	DE	NIA	TGAM Subsidiary HC LLC	Ownership	33.300	TIAA Board of Governors	N	600
				4908355			TGAM HK HC LLC	DE	NIA	TGAM APAC LLC	Ownership	25.000	TIAA Board of Governors	N	700
			81-4306975	5079113			Nuveen Hong Kong Limited	HKG	NIA	TGAM HK HC LLC	Ownership	100.000	TIAA Board of Governors	N	
			81-4323796	5083718			TGAM Asia LLC	DE	NIA	TGAM Subsidiary HC LLC	Ownership	33.300	TIAA Board of Governors	N	800
			81-4499397	5079122			TGAM HK HC LLC	DE	NIA	TGAM Asia LLC	Ownership	25.000	TIAA Board of Governors	N	700
			81-4323796	5083718			TIAA International APAC LLC	DE	NIA	TGAM Subsidiary HC LLC	Ownership	33.300	TIAA Board of Governors	N	900
			81-4359164	5079131			TGAM HK HC LLC	DE	NIA	TIAA International APAC LLC	Ownership	25.000	TIAA Board of Governors	N	700
			81-4323796	5083718			TGAM HK HC LLC	DE	NIA	TGAM Subsidiary HC LLC	Ownership	33.300	TIAA Board of Governors	N	1000
			81-4390558	5079092			TIAA International Asia LLC	DE	NIA	TIAA International Asia LLC	Ownership	25.000	TIAA Board of Governors	N	700
			81-4290269	5079104			TGAM APAC LLC	DE	NIA	Nuveen International Holdings LLC	Ownership	100.000	TIAA Board of Governors	N	
			81-4306975	5079113			TGAM APAC LLC	DE	NIA	TIAA International Subsidiary HC LLC	Ownership	33.300	TIAA Board of Governors	N	600
			81-4499397	5079122			TIAA International APAC LLC	DE	NIA	TIAA International Subsidiary HC LLC	Ownership	33.300	TIAA Board of Governors	N	800
			81-4359164	5079131			TIAA International Asia LLC	DE	NIA	TIAA International Subsidiary HC LLC	Ownership	33.300	TIAA Board of Governors	N	900
			81-4290269	5079104			TGAM APAC LLC	DE	NIA	TIAA International Subsidiary HC LLC	Ownership	33.300	TIAA Board of Governors	N	1000
			81-4306975	5079113			TGAM Asia LLC	DE	NIA	Nuveen International Holdings LLC	Ownership	33.300	TIAA Board of Governors	N	600
			81-4499397	5079122			TIAA International APAC LLC	DE	NIA	Nuveen International Holdings LLC	Ownership	33.300	TIAA Board of Governors	N	800
							TIAA International APAC LLC	DE	NIA	Nuveen International Holdings LLC	Ownership	33.300	TIAA Board of Governors	N	900

STATEMENT AS OF JUNE 30, 2021 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 Per-cent-age	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
			81-4359164	5079131			TIAA International Asia LLC	DE	NIA	Nuveen International Holdings LLC	Ownership	33.300	TIAA Board of Governors	N	1000
							Nuveen Junior Capital Opportunities Fund GP S.à r.l	LUX	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Governors	N	
			81-4262460	5079074			Nuveen Real Estate Global LLC	DE	NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Governors	N	
			26-2748598	4601487			Nuveen Global Investments LLC	DE	NIA	Nuveen Real Estate Global LLC	Ownership	100.000	TIAA Board of Governors	N	
			82-2986445				Nuveen GP Holding Company LLC	DE	NIA	Nuveen Real Estate Global LLC	Ownership	100.000	TIAA Board of Governors	N	
			82-4598778				Nuveen CRED GP Member LLC	DE	NIA	Nuveen GP Holding Company LLC	Ownership	100.000	TIAA Board of Governors	N	
			82-3751720				CRED GP LLC	DE	NIA	Nuveen CRED GP Member LLC	Ownership	50.000	TIAA Board of Governors	N	
			85-2413081				CRED Rated Feeder GP LLC	DE	NIA	CRED GP LLC	Ownership	100.000	TIAA Board of Governors	N	
							Nuveen Real Estate U.S. Strategic Alternatives Fund I GP LLC	DE	NIA	Nuveen GP Holding Company LLC	Ownership	100.000	TIAA Board of Governors	N	
			86-1561520				Nuveen Real Estate U.S. Strategic Alternatives Fund I LP	DE	NIA	Nuveen Real Estate U.S. Strategic Alternatives Fund I GP LLC	Ownership	100.000	TIAA Board of Governors	N	
			86-1702891				Nuveen Real Estate U.S. Strategic Alternatives Fund I Holding Company LLC	DE	NIA	Nuveen Real Estate U.S. Strategic Alternatives Fund I LP	Ownership	100.000	TIAA Board of Governors	N	
			86-1560063				Nuveen Real Estate U.S. Strategic Alternatives Fund I SFR Holding Company LLC	DE	NIA	Nuveen Real Estate U.S. Strategic Alternatives Fund I SFR Holding Company LLC	Ownership	100.000	TIAA Board of Governors	N	
			87-1132368				Nuveen Real Estate U.S. Strategic Alternatives Fund I SFR Borrower I LLC	DE	NIA	Nuveen Real Estate U.S. Strategic Alternatives Fund I SFR Holding Company LLC	Ownership	100.000	TIAA Board of Governors	N	
			87-1131938				SAF MOB Amarillo Member LLC	DE	NIA	SAF MOB Amarillo Member LLC	Ownership	100.000	TIAA Board of Governors	N	
							SAFWX MOB Amarillo Venture LLC	DE	NIA	SAF MOB Amarillo Member LLC	Ownership	90.000	TIAA Board of Governors	N	
							U.S. Cities Office Fund GP LLC	DE	NIA	Nuveen GP Holding Company LLC	Ownership	100.000	TIAA Board of Governors	N	
			35-2633108				U.S. Cities Multifamily Fund GP LLC	DE	NIA	Nuveen GP Holding Company LLC	Ownership	100.000	TIAA Board of Governors	N	
			82-4054235				U.S. Cities Retail Fund GP LLC	DE	NIA	Nuveen GP Holding Company LLC	Ownership	100.000	TIAA Board of Governors	N	
			85-2037572				U.S. Strategic Industrial Fund II GP LLC	DE	NIA	Nuveen GP Holding Company LLC	Ownership	100.000	TIAA Board of Governors	N	
			85-2116787				U.S. Strategic Industrial Fund II LP	DE	NIA	U.S. Strategic Industrial Fund II GP LLC	Ownership	100.000	TIAA Board of Governors	N	
							U.S. Strategic Industrial Fund II Holding Company LLC	DE	NIA	U.S. Strategic Industrial Fund II LP	Ownership	100.000	TIAA Board of Governors	N	
			85-2587734				SIF II Allen Street Industrial LLC	DE	NIA	U.S. Strategic Industrial Fund II Holding Company LLC	Ownership	100.000	TIAA Board of Governors	N	
			86-2842701				SIF II Clermont Industrial Portfolio LLC	DE	NIA	U.S. Strategic Industrial Fund II Holding Company LLC	Ownership	100.000	TIAA Board of Governors	N	
			86-3336328				SIF II Lincoln Road Industrial LLC	DE	NIA	U.S. Strategic Industrial Fund II Holding Company LLC	Ownership	100.000	TIAA Board of Governors	N	
			86-3265797				SIF II Southport Center I LLC	DE	NIA	U.S. Strategic Industrial Fund II Holding Company LLC	Ownership	100.000	TIAA Board of Governors	N	
			87-0923304				SIF II TCA Ellis Road Development Investor Member LLC	DE	NIA	U.S. Strategic Industrial Fund II Holding Company LLC	Ownership	100.000	TIAA Board of Governors	N	
			86-2136273				SIF II TCA Ellis Road Development Venture LLC	DE	NIA	SIF II TCA Ellis Road Development Investor Member LLC	Ownership	90.000	TIAA Board of Governors	N	
							Union Property Operations NRE VII LLC	DE	NIA	U.S. Strategic Industrial Fund II Holding Company LLC	Ownership	100.000	TIAA Board of Governors	N	
			86-1621541				Nuveen Imajn Holdings Member LLC	DE	NIA	Nuveen Real Estate Global LLC	Ownership	100.000	TIAA Board of Governors	N	
			85-2857187				Imajn Homes Holdings, LLC	DE	NIA	Nuveen Imajn Holdings Member LLC	Ownership	72.000	TIAA Board of Governors	N	
							Imajn Services LLC	DE	NIA	Imajn Homes Holdings, LLC	Ownership	100.000	TIAA Board of Governors	N	
							Imajn Asset Manager LLC	DE	NIA	Imajn Homes Holdings, LLC	Ownership	100.000	TIAA Board of Governors	N	
			85-2603852				Sparrow Realty investment I Managing Member LLC	DE	NIA	Imajn Homes Holdings, LLC	Ownership	100.000	TIAA Board of Governors	N	
			81-5466713	5157909			Nuveen Permian Investor Asset Manager Member LLC	DE	NIA	Nuveen Real Estate Global LLC	Ownership	100.000	TIAA Board of Governors	N	
			82-0631410				Permian Investor Asset Manager LLC	DE	NIA	Nuveen Permian Investor Asset Manager Member LLC	Ownership	50.000	TIAA Board of Governors	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 Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
			82-3426937				Nuveen Real Estate Global Cities Advisors LLC	DE	NIA	Nuveen Real Estate Global LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-2502695				Nuveen Real Estate Project Management Services LLC	DE	NIA	Nuveen Real Estate Global LLC	Ownership	100.000	TIAA Board of Governors	N	
			46-1162850	4617620			TIAA International Holdings 1 Limited	GBR	NIA	Nuveen Real Estate Global LLC	Ownership	100.000	TIAA Board of Governors	N	
							Clean Energy Partners HoldCo LLP	GBR	NIA	TIAA International Holdings 1 Limited	Ownership	1.000	TIAA Board of Governors	N	1100
			46-1163394	4617639			TIAA International Holdings 2 Limited	GBR	NIA	Nuveen Real Estate Global LLC	Ownership	100.000	TIAA Board of Governors	N	
							Clean Energy Partners HoldCo LLP	GBR	NIA	TIAA International Holdings 2 Limited	Ownership	99.000	TIAA Board of Governors	N	1100
							Clean Energy Partners LLP	GBR	NIA	Clean Energy Partners HoldCo LLP	Ownership	100.000	TIAA Board of Governors	N	
							Glennmont Asset Management Limited	GBR	NIA	Clean Energy Partners HoldCo LLP	Ownership	100.000	TIAA Board of Governors	N	
							Clean Energy Partners CEP 2012 Limited	GBR	NIA	Glennmont Asset Management Limited	Ownership	100.000	TIAA Board of Governors	N	
							Glennmont Partners I Limited	GBR	NIA	Clean Energy Partners CEP 2012 Limited	Ownership	100.000	TIAA Board of Governors	N	
							Clean Energy Partners CEP Services Limited	GBR	NIA	Glennmont Asset Management Limited	Ownership	100.000	TIAA Board of Governors	N	
							Glennmont Partners III S.à r.l.	LUX	NIA	Glennmont Asset Management Limited	Ownership	100.000	TIAA Board of Governors	N	
							Glennmont Partners IV S.à r.l.	LUX	NIA	Glennmont Asset Management Limited	Ownership	100.000	TIAA Board of Governors	N	
							Glennmont REBS Europe S.à r.l.	LUX	NIA	Glennmont Asset Management Limited	Ownership	100.000	TIAA Board of Governors	N	
			4618074	461705			TIAA International Holdings 3 Limited	GBR	NIA	TIAA International Holdings 2 Limited	Ownership	100.000	TIAA Board of Governors	N	
			98-1125673	4617705			Nuveen Real Estate Limited	GBR	NIA	TIAA International Holdings 3 Limited	Ownership	99.000	TIAA Board of Governors	N	1200
			98-1125673	4617705			Nuveen Real Estate Limited	GBR	NIA	TIAA International Holdings 1 Limited	Ownership	1.000	TIAA Board of Governors	N	1200
			98-1127648	4618195			Nuveen Administration Ltd	GBR	NIA	Nuveen Real Estate Limited	Ownership	100.000	TIAA Board of Governors	N	
			98-1128805	4618216			Nuveen Europe Holdings Limited	GBR	NIA	Nuveen Real Estate Limited	Ownership	100.000	TIAA Board of Governors	N	
				4715964			Asia Pacific Cities Management Sarl	LUX	NIA	Nuveen Europe Holdings Limited	Ownership	100.000	TIAA Board of Governors	N	
							Henderson European Retail Property Fund Management Sarl	LUX	NIA	Nuveen Europe Holdings Limited	Ownership	94.900	TIAA Board of Governors	N	
				4715955			Nuveen Alternatives Europe S.à r.l	LUX	NIA	Nuveen Europe Holdings Limited	Ownership	100.000	TIAA Board of Governors	N	
							Nuveen Asset Management Europe S.à r.l	LUX	NIA	Nuveen Europe Holdings Limited	Ownership	100.000	TIAA Board of Governors	N	
				4715937			Nuveen Fund (Europe) Management Sarl	LUX	NIA	Nuveen Europe Holdings Limited	Ownership	100.000	TIAA Board of Governors	N	
				4716756			Nuveen Fund Management (Jersey) Limited	JEY	NIA	Nuveen Europe Holdings Limited	Ownership	100.000	TIAA Board of Governors	N	
				4716774			Nuveen Management AIFM Limited	GBR	NIA	Nuveen Europe Holdings Limited	Ownership	100.000	TIAA Board of Governors	N	
							Nuveen Management Company (Luxembourg) No 1 Sarl	LUX	NIA	Nuveen Europe Holdings Limited	Ownership	94.900	TIAA Board of Governors	N	
				4716765			Nuveen Property Management (Jersey) Limited	JEY	NIA	Nuveen Europe Holdings Limited	Ownership	100.000	TIAA Board of Governors	N	
			98-1128787	4618243			Nuveen FCACO Ltd	GBR	NIA	Nuveen Real Estate Limited	Ownership	100.000	TIAA Board of Governors	N	
				4716783			Nuveen Real Estate Management Ltd	GBR	NIA	Nuveen FCACO Ltd	Ownership	100.000	TIAA Board of Governors	N	
				4716868			Nuveen Shopping Centre Verwaltungs GmbH	DEU	NIA	Nuveen Real Estate Management Ltd	Ownership	100.000	TIAA Board of Governors	N	
			98-1127632	4618261			Nuveen Group Holdings Ltd	GBR	NIA	Nuveen Real Estate Limited	Ownership	100.000	TIAA Board of Governors	N	
							Anglo-Sino Henderson Investment Consultancy (Beijing) Co Limited	CHN	NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	N	
				4844015			CLOF II (GP) Limited	GBR	NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	N	
				4715311			CLOF II Vanquish Limited	JEY	NIA	CLOF II (GP) Limited	Ownership	100.000	TIAA Board of Governors	N	
				5154010			CLOF II (No 1 GP) Limited	GBR	NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	N	
				4715263			CLOF II (No1 Nominee) Limited	GBR	NIA	CLOF II (No 1 GP) Limited	Ownership	100.000	TIAA Board of Governors	N	
				4841304			CLOF II (No 2 GP) Limited	GBR	NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	N	
				4715281			CLOF II (No 3 GP) Limited	GBR	NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	N	
			98-1165678	4715302			Enhanced Debt Carry (GP) Sarl	LUX	NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	N	
				4908328			ERES APAC II (GP) S.à r.l	LUX	NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	N	
				5147003			ERES Europe II (GP) S.à r.l	LUX	NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	N	
							European Cities Partnership (GP) S.a.r.l.	LUX	NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	N	
							European Cities Partnership SCSp	LUX	NIA	Nuveen Group Holdings Ltd	Influence		TIAA Board of Governors	N	1300
				4841247			Islazul General Partner Sarl	LUX	NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	N	
				4715245			Matador LP General Partner Limited	GBR	NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	N	
				4912763			Nuveen Consulting (Shanghai) Co Ltd	CHN	NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	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 Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
				4747059			Nuveen Corporate Secretarial Services Limited	.GBR	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	.N	
				4715236			Nuveen (France) SAS	.FRA	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	.N	
				4715898			Nuveen Immobilien GmbH	.DEU	.NIA	Nuveen Group Holdings Ltd	Influence		TIAA Board of Governors	.N	
				4901244			Nuveen Italy Srl	.ITA	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	.N	
				4715357			Nuveen Management Austria GmbH	.AUT	.NIA	Nuveen Group Holdings Ltd	Ownership	65.000	TIAA Board of Governors	.N	
							Nuveen Management Finland Oy	.FIN	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	.N	
				4747152			Nuveen Operations Limited	.GBR	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	.N	
				4841265			Nuveen Real Estate (Australia) Ltd	.AUS	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	.N	
				4841256			Nuveen Real Estate Debt Partners (GP) Sarl	.LUX	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	.N	
							Nuveen Real Estate Debt Partners II (GP)								
				5134816			S.à.r.l	.LUX	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	.N	
							Global Real Estate Debt Partners Fund II (UK) SCSp	.LUX	.NIA	Nuveen Real Estate Debt Partners II (GP) S.à.r.l	Influence		TIAA Board of Governors	.N	1400
							Nuveen Real Estate Debt Partners III (GP) S.à.r.l	.LUX	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	.N	
				4715348			Nuveen Real Estate Nominees Limited	.GBR	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	.N	
				4715919			Nuveen Singapore Private Limited	.SGP	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	.N	
				4715254			OMP (GP) Limited	.GBR	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	.N	
				4901235			T-C Lux Investments GP Sarl	.LUX	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	.N	
							TH Real Estate Limited	.GBR	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	.N	
			98-1014834	4617675			TIAA-CREF Luxembourg S.a.r.l.	.LUX	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	.N	
							Tokyo Multifamily GP PTE Ltd	.LUX	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	.N	
				4715272			UK OM (LP1) (GP) Limited	.GBR	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	.N	
				4841292			UK OM (LP1) Limited	.GBR	.NIA	UK OM (LP1) (GP) Limited	Ownership	100.000	TIAA Board of Governors	.N	
				4715290			UK OM (LP2) (GP) Limited	.GBR	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	.N	
				4841283			UK OM (LP2) Limited	.GBR	.NIA	UK OM (LP2) (GP) Limited	Ownership	100.000	TIAA Board of Governors	.N	
				4715320			UK OM (LP3) (GP) Limited	.GBR	.NIA	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Governors	.N	
				4841274			UK OM (LP3) Limited	.GBR	.NIA	UK OM (LP3) (GP) Limited	Ownership	100.000	TIAA Board of Governors	.N	
			06-1217855	4680325			Nuveen Real Estate Property Holdings L.L.C.	.DE	.NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Governors	.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 Governors	.N	
							Nuveen Real Estate Property Holdings L.L.C.								
			47-5190671	4912772			Casa Partners VII GP, LLC	.DE	.NIA	Nuveen Real Estate Property Holdings L.L.C.	Ownership	100.000	TIAA Board of Governors	.N	
							Nuveen Real Estate Property Holdings L.L.C.								
			82-4363605				CASA Partners VIII GP, LLC	.DE	.NIA	Nuveen Real Estate Property Holdings L.L.C.	Ownership	100.000	TIAA Board of Governors	.N	
							Nuveen Real Estate Property Holdings L.L.C.								
			86-1845840				CASA Partners IX GP, LLC	.DE	.NIA	Nuveen Real Estate Property Holdings L.L.C.	Ownership	100.000	TIAA Board of Governors	.N	
							Nuveen Real Estate Property Holdings L.L.C.								
			36-4477806	4681797			Global Investors GP, L.L.C.	.DE	.NIA	Nuveen Real Estate Property Holdings L.L.C.	Ownership	100.000	TIAA Board of Governors	.N	
							Nuveen Real Estate Property Holdings L.L.C.								
			20-2537749	4681809			Global Investors GP II, L.L.C.	.DE	.NIA	Nuveen Real Estate Property Holdings L.L.C.	Ownership	100.000	TIAA Board of Governors	.N	
							Nuveen Real Estate Property Holdings L.L.C.								
			20-3070768	4681818			Global Investors GP IV, L.L.C.	.DE	.NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Governors	.N	
			26-3561391	4863539			TCAM DOF GP, LLC	.DE	.NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Governors	.N	
			46-5367344	4747170			TCGA BT AIV, LLC	.DE	.NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Governors	.N	
			45-5139523	4867368			TCGA Investor Fund GP, LLC	.DE	.NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Governors	.N	
			47-3511076	4843278			TCGA II Investor Fund GP, LLC	.DE	.NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Governors	.N	
			81-4330570				TCGAM International GP LLC	.DE	.NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Governors	.N	
			45-1532009	4801867			TIAA Global Ag Special Member LLC	.DE	.NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Governors	.N	
			81-1749609	4843287			TIAA Global Ag II Special Member LLC	.DE	.NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Governors	.N	
			47-3126089	4847388			T-C U.S. Super Regional Mall Fund GP LLC	.DE	.NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Governors	.N	
			20-1394681	4314255			U.S. Cities Fund GP, LLC	.DE	.NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Governors	.N	
							U.S. Cities Industrial Fund GP LLC	.DE	.NIA	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Governors	.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 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 Governors	N	
			27-3417683	4312925			Westchester Group Investment Management, Inc.	DE	NIA	Westchester Group Investment Management Holding Company, Inc.	Ownership	100.000	TIAA Board of Governors	N	
			87-0735518	4746977			Plata Wine Partners, LLC	CA	NIA	Westchester Group Investment Management, Inc.	Ownership	91.110	TIAA Board of Governors	N	
			37-1261935	4617693			Terra Land Co.	IL	NIA	Westchester Group Investment Management, Inc.	Ownership	100.000	TIAA Board of Governors	N	
			37-6589484	4747200			The Plata Wine Partners Trust	CA	NIA	Westchester Group Investment Management, Inc.	Ownership	100.000	TIAA Board of Governors	N	
			37-1193973	4618186			Westchester Group Farm Management, Inc.	IL	NIA	Westchester Group Investment Management, Inc.	Ownership	100.000	TIAA Board of Governors	N	
				4618207			Westchester Group of Australia Pty Ltd.	AUS	NIA	Westchester Group Investment Management, Inc.	Ownership	100.000	TIAA Board of Governors	N	
							Westchester Group Chile Investment Management, SpA	CHL	NIA	Westchester Group Investment Management, Inc.	Ownership	100.000	TIAA Board of Governors	N	
				4794482			Westchester Group of Europe Ltd.	GBR	NIA	Westchester Group Investment Management, Inc.	Ownership	100.000	TIAA Board of Governors	N	
							Westchester Group SRL	ROU	NIA	Westchester Group of Europe Ltd.	Ownership	99.000	TIAA Board of Governors	N	1500
				4914730			Westchester Group of Poland Sp. Z.o.o.	POL	NIA	Westchester Group of Europe Ltd.	Ownership	100.000	TIAA Board of Governors	N	
							Westchester Group SRL	ROU	NIA	Westchester Group of Poland Sp. Z.o.o.	Ownership	1.000	TIAA Board of Governors	N	1500
			37-1194491	4618225			Westchester Group Real Estate, Inc.	IL	NIA	Westchester Group Investment Management, Inc.	Ownership	100.000	TIAA Board of Governors	N	
							Westchester Group South America Gestao de Investimentos Ltda.	BRA	NIA	Westchester Group Real Estate, Inc.	Ownership	1.000	TIAA Board of Governors	N	1600
							Westchester Group South America Gestao de Investimentos Ltda.	BRA	NIA	Westchester Group Investment Management, Inc.	Ownership	99.000	TIAA Board of Governors	N	1600
							Westchester NGFF Investment LLC	DE	NIA	Westchester Group Investment Management, Inc.	Ownership	100.000	TIAA Board of Governors	N	
			47-1563437	4749941			Nuveen Finance, LLC	DE	NIA	Nuveen, LLC	Ownership	100.000	TIAA Board of Governors	N	
			81-3425820	5110025			Nuveen Holdings 1, Inc.	DE	NIA	Nuveen Finance, LLC	Ownership	100.000	TIAA Board of Governors	N	
			26-0373324	4767758			Nuveen Holdings, Inc.	DE	NIA	Nuveen Holdings 1, Inc.	Ownership	100.000	TIAA Board of Governors	N	
			36-3817266	3707551	885708		Nuveen Investments, Inc.	DE	NIA	Nuveen Holdings, Inc.	Ownership	100.000	TIAA Board of Governors	N	
			26-0627593	4774710			Gresham Asset Management LLC	DE	NIA	Nuveen Investments, Inc.	Ownership	78.900	TIAA Board of Governors	N	
			20-1930384	4349828			Gresham Investment Management LLC	DE	NIA	Nuveen Investments, Inc.	Ownership	78.900	TIAA Board of Governors	N	
				4781941			Gresham Investment Management Asia Pte. Ltd.	SGP	NIA	Gresham Investment Management LLC	Ownership	100.000	TIAA Board of Governors	N	
			36-3293941				NIS/R&T, Inc.	IL	NIA	Nuveen Investments, Inc.	Ownership	100.000	TIAA Board of Governors	N	
			36-4839486	5153992			Nuveen Alternative Investments, LLC	DE	NIA	Nuveen Investments, Inc.	Ownership	100.000	TIAA Board of Governors	N	
			31-0942504	4774792	1311016		Nuveen Fund Advisors, LLC	DE	NIA	Nuveen Investments, Inc.	Ownership	100.000	TIAA Board of Governors	N	
			27-4357327	4781624	1521019		Nuveen Asset Management, LLC	DE	NIA	Nuveen Fund Advisors, LLC	Ownership	100.000	TIAA Board of Governors	N	
							Nuveen Funds GP I, LLC	DE	NIA	Nuveen Asset Management, LLC	Ownership	100.000	TIAA Board of Governors	N	
			83-4025630				Symphony Alternative Asset Management LLC	DE	NIA	Nuveen Asset Management, LLC	Ownership	100.000	TIAA Board of Governors	N	
			94-3252504				Symphony Risk Retention Finance LLC	DE	NIA	Nuveen Asset Management, LLC	Ownership	100.000	TIAA Board of Governors	N	
			30-1032009				SRR 1 LLC	DE	NIA	Symphony Risk Retention Finance LLC	Ownership	51.000	TIAA Board of Governors	N	
			36-7364377	4774783			Nuveen Investments Holdings, Inc.	DE	NIA	Nuveen Investments, Inc.	Ownership	100.000	TIAA Board of Governors	N	
			36-4709028	4774868	1602171		Nuveen NIQ Holdings, LLC	DE	NIA	Nuveen Investments, Inc.	Ownership	100.000	TIAA Board of Governors	N	
			30-0892190	4981189	1661847		NIQ Partners, LLC	DE	NIA	Nuveen NIQ Holdings, LLC	Ownership	100.000	TIAA Board of Governors	N	
			47-0875103	4776518	763848		NIQ Investment Management Company, LLC	DE	NIA	NIQ Partners, LLC	Ownership	100.000	TIAA Board of Governors	N	
			37-1695518	4774831	1602161		Nuveen WCM Holdings, LLC	DE	NIA	Nuveen Investments, Inc.	Ownership	100.000	TIAA Board of Governors	N	
			90-0860898	4776527	900973		Winslow Capital Management, LLC	DE	NIA	Nuveen WCM Holdings, LLC	Ownership	100.000	TIAA Board of Governors	N	
			81-0730906	5147021			Growth Capital GP I, LLC	DE	NIA	Winslow Capital Management, LLC	Ownership	100.000	TIAA Board of Governors	N	
			36-2639476	4775137	73387		Nuveen Securities, LLC	DE	NIA	Nuveen Investments, Inc.	Ownership	100.000	TIAA Board of Governors	N	
			20-3432117	4774822	1109426		Santa Barbara Asset Management, LLC	DE	NIA	Nuveen Investments, Inc.	Ownership	100.000	TIAA Board of Governors	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 Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
			13-3760073 82-1157427	4313306	939222		Teachers Advisors, LLC ColInvest Member LLC Nuveen TALF Opportunities GP, LLC	DE DE DE	NIA NIA NIA	Nuveen Finance, LLC Teachers Advisors, LLC Teachers Advisors, LLC	Ownership Ownership Ownership	100.000 100.000 100.000	TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors	N N N	
			13-3987258	4599052			485 Properties, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			81-3091169 82-0793232 81-3106043	5026603 5154029 5036303			730 Data Centers, LLC 730 Aviator, LLC 730 Databridge, LLC	DE DE DE	NIA NIA NIA	Teachers Insurance and Annuity Association of America 730 Data Centers, LLC 730 Data Centers, LLC	Ownership Ownership Ownership	100.000 100.000 100.000	TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors	N N N	
			47-2616735 47-2622825	4801719 4810784			730 Power Development, LLC 730 Carroll, LLC 730 Cricket, LLC	DE DE DE	NIA NIA NIA	Teachers Insurance and Annuity Association of America 730 Power Development, LLC 730 Power Development, LLC	Ownership Ownership Ownership	100.000 100.000 100.000	TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors	N N N	
			47-5363027	4936116			730 Telecom LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
							730 Transmission, LLC 730 Hotspur, LLC	DE DE	NIA NIA	Teachers Insurance and Annuity Association of America 730 Transmission, LLC	Ownership Ownership	100.000 100.000	TIAA Board of Governors TIAA Board of Governors	N N	
			13-4042885	4599801			730 Texas Forest Holdings, Inc.	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	Y	
			51-0494351 51-0494351	4599838 4599838			730 Texas Timberlands II, Ltd. 730 Texas Timberlands II, Ltd.	TX TX	NIA NIA	Teachers Insurance and Annuity Association of America 730 Texas Forest Holdings, Inc.	Ownership Ownership	99.500 0.500	TIAA Board of Governors TIAA Board of Governors	N N	1700 1700
			13-4040842	4601722			TIAA Timberlands I, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			13-4085431 13-4042888 13-4042888	4601740 4601713 4601713			TIAA Timberlands II, LLC 730 Texas Timberlands, Ltd. 730 Texas Timberlands, Ltd.	DE TX TX	NIA NIA NIA	Teachers Insurance and Annuity Association of America TIAA Timberlands I, LLC 730 Texas Forest Holdings, Inc.	Ownership Ownership Ownership	100.000 99.500 0.500	TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors	N N N	1800 1800
			38-3847245	4602840			Actoil, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			46-3373066	4602916 4651521			Actoil Colorado, LLC Great Western Petroleum LLC	DE DE	NIA NIA	Teachers Insurance and Annuity Association of America Actoil Colorado, LLC	Ownership Influence	100.000	TIAA Board of Governors TIAA Board of Governors	N N	
			46-1952974 26-4647417	4599940 4601768			Broadleaf Timberland Investments, LLC Quercus Forestland Account, LLC	DE NC	NIA NIA	Teachers Insurance and Annuity Association of America Broadleaf Timberland Investments, LLC	Ownership Ownership	100.000 99.000	TIAA Board of Governors TIAA Board of Governors	N N	
				4618346 4651503 4860538			Quercus Panama, LLC Quercus Algoma Corporation Quercus Algoma Land Corporation	DE CAN CAN	NIA NIA NIA	Quercus Forestland Account, LLC Quercus Forestland Account, LLC Quercus Algoma Corporation	Ownership Ownership Ownership	100.000 100.000 100.000	TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors	N N N	
			46-2916514	4613426			Quercus West Virginia, LLC	DE	NIA	Quercus Forestland Account, LLC	Ownership	99.900	TIAA Board of Governors	N	
			47-2167228 47-4455610 47-4455303 30-0965548	4776451 4990967 5194418 5195237			Casa Student Housing Fund Holdings, LLC PEP-TH CASA Student Housing, LLC CSHF-PEP Purdue LLC CSHF-PEP USF LLC	DE DE DE DE	NIA NIA NIA NIA	Teachers Insurance and Annuity Association of America Casa Student Housing Fund Holdings, LLC PEP-TH CASA Student Housing, LLC PEP-TH CASA Student Housing, LLC	Ownership Ownership Ownership Ownership	100.000 90.000 100.000 100.000	TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors	N N N N	
			56-2672630 37-1555322 80-0843991 36-4620107 30-0449681 26-3484719 26-0352203	4600033 4601816 4628596 4601825 4601834 4601843 4628372			Ceres Agricultural Properties, LLC Premiere Agricultural Properties, LLC Loma del Rio Vineyards, LLC Premiere Columbia Properties, LLC Premiere Farm Properties, LLC Demeter Agricultural Properties II, LLC International Agricultural Investors, LLC	DE DE DE DE DE DE DE	NIA NIA NIA NIA NIA NIA NIA	Ceres Agricultural Properties, LLC Ceres Agricultural Properties, LLC Premiere Agricultural Properties, LLC Ceres Agricultural Properties, LLC Ceres Agricultural Properties, LLC Ceres Agricultural Properties, LLC Ceres Agricultural Properties, LLC	Ownership Ownership Ownership Ownership Ownership Ownership Ownership	100.000 100.000 45.000 100.000 100.000 100.000 99.240	TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors	N N N N N N N	1900

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)	*
				4633321			IAI Australia Pty., Ltd.	AUS	NIA	International Agricultural Investors, LLC	Ownership	100.000	TIAA Board of Governors	N	
				4633330			IAI Australia Trust	AUS	NIA	International Agricultural Investors, LLC	Ownership	100.000	TIAA Board of Governors	N	
			26-0460488	4633358			IAI USA, LLC	DE	NIA	International Agricultural Investors, LLC	Ownership	100.000	TIAA Board of Governors	N	
			26-2745365	4628363			International Agricultural Investors Fund II, LLC	DE	NIA	Ceres Agricultural Properties, LLC	Ownership	99.000	TIAA Board of Governors	N	
				4633303			IAI Australia Fund II, Pty., Ltd.	AUS	NIA	International Agricultural Investors Fund II, LLC	Ownership	100.000	TIAA Board of Governors	N	
				4633312			IAI Australia Fund II Trust	AUS	NIA	International Agricultural Investors Fund II, LLC	Ownership	100.000	TIAA Board of Governors	N	
			26-2747755	4633349			IAI USA Fund II, LLC	DE	NIA	International Agricultural Investors Fund II, LLC	Ownership	100.000	TIAA Board of Governors	N	
							Churchill Junior Capital Opportunities Fund II, L.P.	DE	NIA	Teachers Insurance and Annuity Association of America	Management		TIAA Board of Governors	N	
			98-1402136				Churchill Middle Market CLO IV Ltd.	CYM	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
							Churchill Middle Market Senior Loan Fund, LP	DE	NIA	Teachers Insurance and Annuity Association of America	Management		TIAA Board of Governors	N	
			81-1810508	5041624			Churchill Middle Market Senior Loan Fund III, LP	DE	NIA	Teachers Insurance and Annuity Association of America	Management		TIAA Board of Governors	N	
			81-2914954	5106457			CPF/UIR JV Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			81-2928112	5110034			CPF/UIR Joint Venture LLC	DE	NIA	CPF/UIR JV Member LLC	Ownership	51.000	TIAA Board of Governors	N	
			81-2955427	5110490			CPF 636 Sixth Avenue LLC	DE	NIA	CPF/UIR Joint Venture LLC	Ownership	100.000	TIAA Board of Governors	N	
			47-2264739	4785949			T-C 636 Sixth Avenue Retail LLC	DE	NIA	CPF 636 Sixth Avenue LLC	Ownership	100.000	TIAA Board of Governors	N	
			81-2982618	5110511			CPF 856 Market Street LLC	DE	NIA	CPF/UIR Joint Venture LLC	Ownership	100.000	TIAA Board of Governors	N	
			81-2973332	5110502			CPF 1511 Third Avenue LLC	DE	NIA	CPF/UIR Joint Venture LLC	Ownership	100.000	TIAA Board of Governors	N	
			47-3357982	4785930			T-C 1608 Chestnut General Partner LLC	DE	NIA	CPF/UIR Joint Venture LLC	Ownership	100.000	TIAA Board of Governors	N	
			23-3049052	4843371			1608 Chestnut Partners LP	DE	NIA	T-C 1608 Chestnut General Partner LLC	Ownership	1.000	TIAA Board of Governors	N	2000
			47-3337561	4785958			T-C 1608 Chestnut Limited Partner LLC	DE	NIA	CPF/UIR Joint Venture LLC	Ownership	100.000	TIAA Board of Governors	N	
			23-3049052	4843371			1608 Chestnut Partners LP	DE	NIA	T-C 1608 Chestnut Limited Partner LLC	Ownership	99.000	TIAA Board of Governors	N	2000
			26-3049305	4601928			Demeter Agricultural Properties, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			45-2632248	4600770			Dionysus Properties, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			94-3306131	4601861			Silverado Premium Properties, LLC	CA	NIA	Dionysus Properties, LLC	Ownership	100.000	TIAA Board of Governors	N	
			68-0436609	4612764			Arroya Loma, LLC	DE	NIA	Silverado Premium Properties, LLC	Ownership	100.000	TIAA Board of Governors	N	
			75-3025596	4612867			Chalk Ridge Vineyard, LLC	CA	NIA	Silverado Premium Properties, LLC	Ownership	100.000	TIAA Board of Governors	N	
			20-3964695	4613314			Hobson Avenue Vineyard, LLC	CA	NIA	Silverado Premium Properties, LLC	Ownership	100.000	TIAA Board of Governors	N	
			26-1542713	4613417			Marsino Vineyard, LLC	CA	NIA	Silverado Premium Properties, LLC	Ownership	100.000	TIAA Board of Governors	N	
			20-2103733	4613864			Silverado Los Alamos Vineyards, LLC	CA	NIA	Silverado Premium Properties, LLC	Ownership	100.000	TIAA Board of Governors	N	
			85-1933477				Mesa Del Rio Vineyard, LLC	CA	NIA	Silverado Los Alamos Vineyards, LLC	Ownership	100.000	TIAA Board of Governors	N	
			20-2490906	4613882			Silverado SLO Vineyards, LLC	CA	NIA	Silverado Premium Properties, LLC	Ownership	100.000	TIAA Board of Governors	N	
			20-2103788	4613891			Silverado Sonoma Vineyard, LLC	CA	NIA	Silverado Premium Properties, LLC	Ownership	100.000	TIAA Board of Governors	N	
			68-0466083	4613949			SPP Napa Vineyards, LLC	DE	NIA	Silverado Premium Properties, LLC	Ownership	100.000	TIAA Board of Governors	N	
			94-3361818	4613967			Stanly Ranch Vineyards, LLC	CA	NIA	Silverado Premium Properties, LLC	Ownership	100.000	TIAA Board of Governors	N	
			26-3774024	4613976			Suscol Mountain Vineyards, LLC	CA	NIA	Silverado Premium Properties, LLC	Ownership	100.000	TIAA Board of Governors	N	
			26-2766605	4614665			Terra Ventosa Vineyards, LLC	CA	NIA	Silverado Premium Properties, LLC	Ownership	100.000	TIAA Board of Governors	N	
			43-3997217	4601870			Silverado Winegrowers Holdings, LLC	DE	NIA	Dionysus Properties, LLC	Ownership	100.000	TIAA Board of Governors	N	
			68-0443927	4613921			Silverado Winegrowers LLC	CA	NIA	Silverado Winegrowers Holdings, LLC	Ownership	100.000	TIAA Board of Governors	N	
			94-3357571	4614759			Alta Loma Vineyard, LLC	CA	NIA	Silverado Winegrowers LLC	Ownership	100.000	TIAA Board of Governors	N	
			94-3312405	4615671			Oak Knoll Napa Vineyards, LLC	CA	NIA	Silverado Winegrowers LLC	Ownership	100.000	TIAA Board of Governors	N	
			91-1806950	4615783			Silverado Suscol, LLC	CA	NIA	Silverado Winegrowers LLC	Ownership	100.000	TIAA Board of Governors	N	
			45-4820104	4617077			SWG Paso Vineyard, LLC	CA	NIA	Silverado Winegrowers LLC	Ownership	100.000	TIAA Board of Governors	N	

STATEMENT AS OF JUNE 30, 2021 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)	*
			26-3561447	4599708	1454640		Distressed Opportunities Fund, L.P.	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	50.000	TIAA Board of Governors	N	
				4680307			DWM Inclusive Finance Equity Fund II	LUX	NIA	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Governors	N	
			98-0580879	4633947			DWM Microfinance Equity Fund I	LUX	NIA	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Governors	N	
			04-3718449	4643003			Envisage Information Systems, LLC	NY	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			30-0701953	4633974			EPP LFG I, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Governors	N	
							Global Real Estate Debt Partners Fund I (UK) SCSp	LUX	NIA	Teachers Insurance and Annuity Association of America	Ownership	36.300	TIAA Board of Governors	N	2100
				4894805			Global Real Estate Debt Partners Fund II (UK) SCSp	LUX	NIA	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Governors	N	1400
			32-0509812		1699398		GreshamQuant ACAR Fund LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	62.690	TIAA Board of Governors	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 Governors	N	
				4860556			Inception GP LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			27-4149157	4860846			Infra Alpha, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			27-3900641	4860855			EMG Investments, LLC	DE	NIA	Infra Alpha, LLC	Influence		TIAA Board of Governors	N	
							L.A. Teak Holdings, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
							Landed Educator Retention Fund, LP	DE	NIA	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Governors	N	
			47-4169877	4874656			Lewis & Clark Timberlands, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	57.400	TIAA Board of Governors	N	
			47-4187541	4876436			L&C Log Co, LLC	DE	NIA	Lewis & Clark Timberlands, LLC	Ownership	100.000	TIAA Board of Governors	N	
			47-4196668	4945967			L&C Tree Farms, LLC	DE	NIA	Lewis & Clark Timberlands, LLC	Ownership	100.000	TIAA Board of Governors	N	
			47-5300478	4946384			L&C TRS LLC	DE	NIA	L&C Tree Farms, LLC	Ownership	100.000	TIAA Board of Governors	N	
				4601852			Mansilla Participacoes LTDA	BRA	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
				4634654			Radar Propriedades Agricolas S.A.	BRA	NIA	Mansilla Participacoes LTDA	Ownership	65.770	TIAA Board of Governors	N	2200
				4643320			Nova Agricola Ponte Alta S.A.	BRA	NIA	Radar Propriedades Agricolas S.A.	Ownership	100.000	TIAA Board of Governors	N	
				4643049			Nova Amaralina S.A. Propriedades Agricolas	BRA	NIA	Radar Propriedades Agricolas S.A.	Ownership	100.000	TIAA Board of Governors	N	
				4643058			Nova Santa Barbara Agricola S.A.	BRA	NIA	Radar Propriedades Agricolas S.A.	Ownership	100.000	TIAA Board of Governors	N	
				4644523			Terras da Ponte Alta S.A.	BRA	NIA	Radar Propriedades Agricolas S.A.	Ownership	100.000	TIAA Board of Governors	N	
				4634645			Radar II Propriedades Agricolas S.A.	BRA	NIA	Mansilla Participacoes LTDA	Influence		TIAA Board of Governors	N	
				4644309			Águas de Ponte Alta S.A.	BRA	NIA	Radar II Propriedades Agricolas S.A.	Ownership	100.000	TIAA Board of Governors	N	
				4644318			Bioinvestments Negocios e Participacoes	BRA	NIA	Radar II Propriedades Agricolas S.A.	Ownership	100.000	TIAA Board of Governors	N	
				4643085			Proud Participacoes S.A.	BRA	NIA	Radar II Propriedades Agricolas S.A.	Ownership	100.000	TIAA Board of Governors	N	
				4634654			Radar Propriedades Agricolas S.A.	BRA	NIA	Radar II Propriedades Agricolas S.A.	Ownership	15.310	TIAA Board of Governors	N	2200
				4644336			Vale De Ponte Alta S.A.	BRA	NIA	Radar II Propriedades Agricolas S.A.	Ownership	100.000	TIAA Board of Governors	N	
			13-1624203	5077137			MM Funding, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			47-0902011	5043075			MyVest Corporation	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	Y	
							NBPT Aggregator LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	Y	
			11-3034756	4600789			ND Properties, Inc.	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	Y	
				4634917			Norteshopping Retail and Leisure Centre BV	NLD	NIA	ND Properties, Inc.	Ownership	50.000	TIAA Board of Governors	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 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)	*
				4634926			Norteshopping – Centro Commercial, S.A. ....	.PRT	NIA	Norteshopping Retail and Leisure Centre BV	Ownership.....	100.000	TIAA Board of Governors	.N	
				4611824			ND Europe S.a.r.l. ....	.LUX	NIA	ND Properties, Inc. ....	Ownership.....	100.000	TIAA Board of Governors	.N	
				4912781			ND Europe Office Holding S.à r.l. ....	.LUX	NIA	ND Europe S.a.r.l. ....	Ownership.....	100.000	TIAA Board of Governors	.N	
				4925558			Cityhold Nympe S.à r.l. ....	.LUX	NIA	ND Europe Office Holding S.à r.l. ....	Influence.....		TIAA Board of Governors	.N	2300
				4925530			Cityhold Propco 11 S.à r.l. ....	.LUX	NIA	ND Europe Office Holding S.à r.l. ....	Influence.....		TIAA Board of Governors	.N	
							OVG Cloud S.à r.l. ....	.LUX	NIA	Cityhold Propco 11 S.à r.l. ....	Ownership.....	10.100	TIAA Board of Governors	.N	2400
				4914776			Cityhold Euro S.à r.l. ....	.LUX	NIA	ND Europe Office Holding S.à r.l. ....	Influence.....		TIAA Board of Governors	.N	2500
				4913416			Cityhold Office Partnership S.à r.l. ....	.LUX	NIA	ND Europe Office Holding S.à r.l. ....	Influence.....		TIAA Board of Governors	.N	
							CHOP OPCl	.FRA	NIA	Cityhold Office Partnership S.à r.l. ....	Ownership.....	100.000	TIAA Board of Governors	.N	
			98-1435873				Cityhold Iconic Holding SAS	.FRA	NIA	CHOP OPCl	Ownership.....	100.000	TIAA Board of Governors	.N	
			98-1433967				Cityhold Iconic Hotel SNC	.FRA	NIA	Cityhold Iconic Holding SAS	Ownership.....	100.000	TIAA Board of Governors	.N	
			98-1433956				Cityhold Iconic Office SCI	.FRA	NIA	Cityhold Iconic Holding SAS	Ownership.....	100.000	TIAA Board of Governors	.N	
			98-1433960				Cityhold Iconic Retail SNC	.FRA	NIA	Cityhold Iconic Holding SAS	Ownership.....	100.000	TIAA Board of Governors	.N	
			98-1433975				Cityhold Iconic Youth Hostel SNC	.FRA	NIA	Cityhold Iconic Holding SAS	Ownership.....	100.000	TIAA Board of Governors	.N	
							Cityhold EST Investment S.à r.l. ....	.LUX	NIA	Cityhold Office Partnership S.à r.l. ....	Ownership.....	100.000	TIAA Board of Governors	.N	
							Cityhold Prinses Coöperatief U.A. ....	.NLD	NIA	Cityhold EST Investment S.à r.l. ....	Ownership.....	100.000	TIAA Board of Governors	.N	
							Cityhold Prinses AcquiCo B.V. ....	.NLD	NIA	Cityhold Prinses Coöperatief U.A. ....	Ownership.....	100.000	TIAA Board of Governors	.N	
							Ark Portfolio Owner Prinses B.V. ....	.NLD	NIA	Cityhold Prinses AcquiCo B.V. ....	Ownership.....	100.000	TIAA Board of Governors	.N	
							Cityhold Jobbe SAS	.FRA	NIA	Cityhold Office Partnership S.à r.l. ....	Ownership.....	100.000	TIAA Board of Governors	.N	
							Cityhold Jobbe SCI	.FRA	NIA	Cityhold Jobbe SAS	Ownership.....	100.000	TIAA Board of Governors	.N	
				4925558			Cityhold Nympe S.à r.l. ....	.LUX	NIA	Cityhold Office Partnership S.à r.l. ....	Ownership.....	88.000	TIAA Board of Governors	.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 Governors	.N	
			98-1433939				Cityhold Iconic Hotel OPCO SAS	.FRA	NIA	Cityhold Propco 6 S.à r.l. ....	Ownership.....	100.000	TIAA Board of Governors	.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 Governors	.N	
				4925521			Cityhold Propco 9 S.à r.l. ....	.LUX	NIA	Cityhold Office Partnership S.à r.l. ....	Ownership.....	100.000	TIAA Board of Governors	.N	
				4612746			36 Rue La Fayette SAS	.FRA	NIA	Cityhold Propco 9 S.à r.l. ....	Ownership.....	100.000	TIAA Board of Governors	.N	
				4613828			SAS Roosevelt	.FRA	NIA	Cityhold Propco 9 S.à r.l. ....	Ownership.....	100.000	TIAA Board of Governors	.N	
				4914767			Roosevelt Participation S.à r.l. ....	.LUX	NIA	Cityhold Propco 9 S.à r.l. ....	Ownership.....	100.000	TIAA Board of Governors	.N	
				4615578			SNC Roosevelt	.FRA	NIA	SAS Roosevelt	Ownership.....	99.990	TIAA Board of Governors	.N	2600
				4615578			SNC Roosevelt	.FRA	NIA	Roosevelt Participation S.à r.l. ....	Ownership.....	0.010	TIAA Board of Governors	.N	2600
				4612876			Courcelles 70 SAS	.FRA	NIA	Cityhold Propco 9 S.à r.l. ....	Ownership.....	100.000	TIAA Board of Governors	.N	
				4914776			Cityhold Euro S.à r.l. ....	.LUX	NIA	Cityhold Propco 9 S.à r.l. ....	Ownership.....	88.000	TIAA Board of Governors	.N	2500
				4925549			Cityhold Propco 7 S.à r.l. ....	.LUX	NIA	Cityhold Euro S.à r.l. ....	Ownership.....	100.000	TIAA Board of Governors	.N	
				4925615			Cityhold Propco 10 S.à r.l. ....	.LUX	NIA	Cityhold Euro S.à r.l. ....	Ownership.....	100.000	TIAA Board of Governors	.N	
							Cityhold Gouden Bocht B.V. ....	.NLD	NIA	Cityhold Propco 9 S.à r.l. ....	Ownership.....	100.000	TIAA Board of Governors	.N	
							Cityhold Gouden Bocht Monumenten B.V. ....	.NLD	NIA	Cityhold Propco 9 S.à r.l. ....	Ownership.....	100.000	TIAA Board of Governors	.N	
			98-1438380				Redevelopment Property II B.V. ....	.NLD	NIA	Cityhold Propco 9 S.à r.l. ....	Ownership.....	100.000	TIAA Board of Governors	.N	
				4925633			Cityhold Propco 12 S.à r.l. ....	.LUX	NIA	Cityhold Office Partnership S.à r.l. ....	Ownership.....	100.000	TIAA Board of Governors	.N	
							Cityhold GC Investment S.à r.l. ....	.LUX	NIA	Cityhold Propco 12 S.à r.l. ....	Ownership.....	100.000	TIAA Board of Governors	.N	
							OVG Cloud S.à r.l. ....	.LUX	NIA	Cityhold Propco 12 S.à r.l. ....	Ownership.....	89.900	TIAA Board of Governors	.N	2400
							Cityhold Grand Central Berlin SCS	.LUX	NIA	OVG Cloud S.à r.l. ....	Ownership.....	100.000	TIAA Board of Governors	.N	
			4914785				Cityhold Sterling S.à r.l. ....	.LUX	NIA	Cityhold Office Partnership S.à r.l. ....	Ownership.....	100.000	TIAA Board of Governors	.N	
			4914758				Cityhold UK Holding S.à r.l. ....	.LUX	NIA	Cityhold Sterling S.à r.l. ....	Ownership.....	100.000	TIAA Board of Governors	.N	
			4919753				Cityhold UK Investment S.à r.l. ....	.LUX	NIA	Cityhold UK Holding S.à r.l. ....	Ownership.....	100.000	TIAA Board of Governors	.N	
			4651343				London Belgrave Unit Trust	.JEY	NIA	Cityhold UK Holding S.à r.l. ....	Ownership.....	99.800	TIAA Board of Governors	.N	2700
			4651343				London Belgrave Unit Trust	.JEY	NIA	Cityhold UK Investment S.à r.l. ....	Ownership.....	0.200	TIAA Board of Governors	.N	2700
			4949198				CLOF Victoria Nominee 1 Limited	.GBR	NIA	London Belgrave Unit Trust	Ownership.....	100.000	TIAA Board of Governors	.N	
			4949228				CLOF Victoria Nominee 2 Limited	.GBR	NIA	London Belgrave Unit Trust	Ownership.....	100.000	TIAA Board of Governors	.N	
			4844341				New Fetter Lane Unit Trust	.JEY	NIA	Cityhold UK Holding S.à r.l. ....	Ownership.....	99.900	TIAA Board of Governors	.N	2800
			4844341				New Fetter Lane Unit Trust	.JEY	NIA	Cityhold UK Investment S.à r.l. ....	Ownership.....	0.100	TIAA Board of Governors	.N	2800
			4919744				60 Great Portland Street Unit Trust	.JEY	NIA	Cityhold UK Holding S.à r.l. ....	Ownership.....	99.400	TIAA Board of Governors	.N	2900
			4919744				60 Great Portland Street Unit Trust	.JEY	NIA	Cityhold UK Investment S.à r.l. ....	Ownership.....	0.600	TIAA Board of Governors	.N	2900
			4920076				SMA Holding S.à r.l. ....	.LUX	NIA	Cityhold UK Investment S.à r.l. ....	Ownership.....	100.000	TIAA Board of Governors	.N	

STATEMENT AS OF JUNE 30, 2021 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 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)	*
				4919744			70 St Mary Axe Unit Trust	JEY	NIA	SMA Holding S.à r.l.	Ownership	99.900	TIAA Board of Governors	N	3000
				4919744			70 St Mary Axe Unit Trust	JEY	NIA	Cityhold UK Investment S.à r.l.	Ownership	0.100	TIAA Board of Governors	N	3000
				4920067			HV Properties S.à r.l.	LUX	NIA	Cityhold UK Holding S.à r.l.	Ownership	100.000	TIAA Board of Governors	N	
				4925763			HV Freehold S.à r.l.	LUX	NIA	HV Properties S.à r.l.	Ownership	100.000	TIAA Board of Governors	N	
				4614704			TIAA Lux 9 S.à r.l.	LUX	NIA	Cityhold Office Partnership S.à r.l.	Ownership	100.000	TIAA Board of Governors	N	
				4615738			SAS Malachite	FRA	NIA	TIAA Lux 9 S.à r.l.	Ownership	100.000	TIAA Board of Governors	N	
				4616847			SNC Garnet-TIAA	FRA	NIA	SAS Malachite	Ownership	100.000	TIAA Board of Governors	N	
				4616856			SNC La Defense	FRA	NIA	SAS Malachite	Ownership	100.000	TIAA Board of Governors	N	
				4616865			SNC Lazuli	FRA	NIA	SAS Malachite	Ownership	100.000	TIAA Board of Governors	N	
				4616874			SNC Peridot	FRA	NIA	SAS Malachite	Ownership	100.000	TIAA Board of Governors	N	
				4613015			T-C Pep Holding S.a.r.l.	LUX	NIA	ND Europe S.a.r.l.	Ownership	51.000	TIAA Board of Governors	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 Governors	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 Governors	N	
				4614674			TIAA Lux 11 S.a.r.l.	LUX	NIA	ND Europe S.a.r.l.	Ownership	51.000	TIAA Board of Governors	N	
				4615635			Gropius Passagen Verwaltungs GmbH	DEU	NIA	TIAA Lux 11 S.a.r.l.	Ownership	80.000	TIAA Board of Governors	N	
				4615644			Gropius S.a.r.l.	LUX	NIA	TIAA Lux 11 S.a.r.l.	Ownership	80.000	TIAA Board of Governors	N	
				4615626			Gropius Passagen GmbH & Co KG	DEU	NIA	Gropius S.a.r.l.	Ownership	99.800	TIAA Board of Governors	N	3100
				4615626			Gropius Passagen GmbH & Co KG	DEU	NIA	TIAA Lux 11 S.a.r.l.	Ownership	0.160	TIAA Board of Governors	N	3100
				4611842			TIAA Lux 5 S.a.r.l.	LUX	NIA	ND Properties, Inc.	Ownership	100.000	TIAA Board of Governors	N	
				4612906			Erlangen Arcaden Verwaltungs GmbH	DEU	NIA	TIAA Lux 5 S.a.r.l.	Ownership	100.000	TIAA Board of Governors	N	
			20-1371171	4611851	1378575		U.S. Cities Fund, LP	DE	NIA	ND Properties, Inc.	Ownership	100.000	TIAA Board of Governors	N	
			20-1371379	4614638			U.S. Cities Fund REIT, LLC	DE	NIA	U.S. Cities Fund, LP	Ownership	100.000	TIAA Board of Governors	N	
			20-1364650	4617590			U.S. Cities Fund Operating GP, LLC	DE	NIA	U.S. Cities Fund REIT, LLC	Ownership	100.000	TIAA Board of Governors	N	
			20-1371235	4617602			U.S. Cities Fund Operating, LP	DE	NIA	U.S. Cities Fund REIT, LLC	Ownership	100.000	TIAA Board of Governors	N	
			46-5061808	4702928			T-C Falls Center Townhouses LLC	DE	NIA	U.S. Cities Fund Operating, LP	Ownership	100.000	TIAA Board of Governors	N	
			26-1700245	4617853			T-C King Street Station LLC	DE	NIA	U.S. Cities Fund Operating, LP	Ownership	100.000	TIAA Board of Governors	N	
			45-2892182	4618177			T-C Trio Apartments LLC	DE	NIA	U.S. Cities Fund Operating, LP	Ownership	100.000	TIAA Board of Governors	N	
							U.S. Cities Multifamily CPF Fund Operating LP	DE	NIA	U.S. Cities Fund Operating, LP	Ownership	100.000	TIAA Board of Governors	N	
			81-3794611	5116773			T-C Potomac Promenade LLC	DE	NIA	U.S. Cities Fund Operating, LP	Ownership	100.000	TIAA Board of Governors	N	
			27-4116676	4618092			TCAM Core Prop Fund REIT 2 LLC	DE	NIA	U.S. Cities Fund, LP	Ownership	100.000	TIAA Board of Governors	N	
			47-4935916	4952611						Teachers Insurance and Annuity Association of America	Ownership	86.300	TIAA Board of Governors	N	
			82-4183425				New York City Property Fund II LP	DE	NIA	New York City Property Fund II LP	Ownership	100.000	TIAA Board of Governors	N	
			83-4678924				New York City Property Fund REIT LLC	DE	NIA	New York City Property Fund REIT LLC	Ownership	100.000	TIAA Board of Governors	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 Governors	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 Governors	N	
			84-3388831				125 West End Investors LLC	DE	NIA	New York City Property Fund Operating LP	Ownership	100.000	TIAA Board of Governors	N	
			84-3408615				125 West End Holdings LLC	DE	NIA	125 West End Investors LLC	Ownership	100.000	TIAA Board of Governors	N	
			83-4653622				125 West End Associates LLC	DE	NIA	125 West End Holdings LLC	Ownership	100.000	TIAA Board of Governors	N	
										Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-2320652				NGFF Holdco, LLC	DE	NIA	NGFF Holdco, LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-1895540				Nuveen Global Farmland Fund, LP	DE	NIA	Nuveen Global Farmland Fund, LP	Ownership	100.000	TIAA Board of Governors	N	
			84-1834824				Global Farmland Properties LLC	DE	NIA	Nuveen Global Farmland Fund, LP	Ownership	100.000	TIAA Board of Governors	N	
			84-1857338				US Horticulture Farmland, LLC	DE	NIA	Global Farmland US Properties, LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-1842298				US Row Farmland, LLC	DE	NIA	Global Farmland US Properties, LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-1880235				US Viticulture Farmland, LLC	DE	NIA	Global Farmland US Properties, LLC	Ownership	100.000	TIAA Board of Governors	N	
										Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Governors	N	
			46-2031403	4860800			NRFC Inception IV, LP	DE	NIA	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Governors	N	
										Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Governors	N	
			46-2062147	4860819			NRFC Inception V, LP	DE	NIA	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Governors	N	
							Nuveen CLO Issuance Fund LP	CYM	NIA	Teachers Insurance and Annuity Association of America	Management		TIAA Board of Governors	N	
										Teachers Insurance and Annuity Association of America	Management		TIAA Board of Governors	N	
			84-5180286				Nuveen Global Impact Fund LP	DE	NIA	Teachers Insurance and Annuity Association of America	Management		TIAA Board of Governors	N	

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SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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			83-4357309				Nuveen High Yield Municipal Opportunities Fund LP	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	68.860	TIAA Board of Governors	N	
			83-4341275				Nuveen Municipal Opportunities Fund LP	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	74.420	TIAA Board of Governors	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 Governors	N	
			26-4750562	4600846			Occator Agricultural Properties, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			46-1768969	4611860			AGR Agricultural Investments, LLC	DE	NIA	Occator Agricultural Properties, LLC	Ownership	100.000	TIAA Board of Governors	N	
				4643861			Ridley Corporation Limited	AUS	NIA	AGR Agricultural Investments	Influence		TIAA Board of Governors	N	
				5106475			Mandala Food Co-Investment Holdings II SPV	MUS	NIA	Occator Agricultural Properties, LLC	Ownership	100.000	TIAA Board of Governors	N	
			45-1125143	4628608			Materra, LLC	CA	NIA	Occator Agricultural Properties, LLC	Influence		TIAA Board of Governors	N	
			26-4621336	4644475			Teays River Investments, LLC	DE	NIA	Occator Agricultural Properties, LLC	Influence		TIAA Board of Governors	N	
			26-4248579	4313025			Oleum Holding Company, Inc.	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	Y	
							2234328 Alberta ULC	CAN	NIA	Oleum Holding Company, Inc.	Ownership	100.000	TIAA Board of Governors	N	
				4313100			Polar Star Canadian Oil and Gas Holding, Inc	CAN	NIA	Oleum Holding Company, Inc.	Ownership	100.000	TIAA Board of Governors	N	
			85-1933477				Otto's South Vineyard, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			26-3821015	4630133			Pinnacle Third Avenue, LP	DE	NIA	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Governors	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 Governors	N	
			45-2792614	4601142			Renewable Timber Europe, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
				4990994			Renewable Timber Netherlands B.V.	POL	NIA	Renewable Timber Europe, LLC	Ownership	100.000	TIAA Board of Governors	N	
				4614713			Topola Lasy Spolka z.o.o.	POL	NIA	Renewable Timber Netherlands B.V.	Ownership	100.000	TIAA Board of Governors	N	
			61-1640765	4601759			Renewable Timber Resources, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
							REP Coinvest III TEC, L.P.	DE	NIA	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Governors	N	
			47-3994280	4865047			Shf-33d North Apts, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			47-4155469	4865056			Shf-Millennium One Apts, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			81-2450195	4990958			Shf-The Rocks Apts, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	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 Governors	N	
				4858629			Social Infra, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
				4630601			Stichting Bewaarder Ziemia Fund	NLD	NIA	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Governors	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 Governors	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 Governors	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 Governors	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 Governors	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 Governors	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 Governors	N	
				5084966			TIAA Australia Real Estate Trust	AUS	NIA	T-C Australia RE Holdings II, LLC	Ownership	100.000	TIAA Board of Governors	N	

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

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				5195255			TGA Miller Holding Trust	AUS	NIA	TIAA Australia Real Estate Trust	Ownership	100.000	TIAA Board of Governors	N	
				5201820			TGA Miller Street Trust	AUS	NIA	TGA Miller Holding Trust	Ownership	100.000	TIAA Board of Governors	N	
				5085749			TIAA Melbourne Retail Holding 1 Trust	AUS	NIA	TIAA Australia Real Estate Trust	Ownership	100.000	TIAA Board of Governors	N	
				5087891			TIAA Melbourne Retail Asset 1 Trust	AUS	NIA	TIAA Melbourne Retail Holding 1 Trust	Ownership	100.000	TIAA Board of Governors	N	
							TGA Australia Real Estate Trust 2	AUS	NIA	T-C Australia RE Holdings II, LLC	Ownership	100.000	TIAA Board of Governors	N	
							TGA PBSA Hold Trust	AUS	NIA	TGA Australia Real Estate Trust 2	Ownership	100.000	TIAA Board of Governors	N	
							TGA PBSA Asset Trust 1	AUS	NIA	TGA PBSA Hold Trust	Ownership	100.000	TIAA Board of Governors	N	
							TGA PBSA Asset Trust 2	AUS	NIA	TGA PBSA Hold Trust	Ownership	100.000	TIAA Board of Governors	N	
							TGA PBSA Asset Trust 3	AUS	NIA	TGA PBSA Hold Trust	Ownership	100.000	TIAA Board of Governors	N	
							TGA PBSA Hold Trust 2	AUS	NIA	TGA Australia Real Estate Trust 2	Ownership	100.000	TIAA Board of Governors	N	
							TGA PBSA Asset Trust 4	AUS	NIA	TGA PBSA Hold Trust 2	Ownership	100.000	TIAA Board of Governors	N	
										Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			47-2363168	4794503			T-C Europe Holding Inc.	DE	NIA	T-C Europe Holding Inc.	Ownership	1.000	TIAA Board of Governors	N	3200
			47-2369576	4794473			T-C Europe LP	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	99.000	TIAA Board of Governors	N	3200
			47-2369576	4794473			T-C Europe LP	DE	NIA	T-C Europe LP	Ownership	100.000	TIAA Board of Governors	N	
			4843410				T-C Europe S.à r.l.	LUX	NIA	T-C Europe S.à r.l.	Ownership	100.000	TIAA Board of Governors	N	
			4873501				Nightingale LuxCo S.à r.l.	LUX	NIA	Nightingale LuxCo S.à r.l.	Ownership	100.000	TIAA Board of Governors	N	
			4874665				T-C Nordics Investment AB	SWE	NIA	Nightingale LuxCo S.à r.l.	Ownership	100.000	TIAA Board of Governors	N	
			4908391				Sweden Nova Lund 1 AB	SWE	NIA	T-C Nordics Investment AB	Ownership	100.000	TIAA Board of Governors	N	
			4908403				Sweden Nova Lund 2 AB	SWE	NIA	T-C Nordics Investment AB	Ownership	100.000	TIAA Board of Governors	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 Governors	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 Governors	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 Governors	N	
							Castel Guelfo I SRL	ITA	NIA	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Governors	N	
							Neptune Holding Spain, S.L.	ESP	NIA	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Governors	N	
							Promcat Alternativa, S.L.	ESP	NIA	Neptune Holding Spain, S.L.	Ownership	100.000	TIAA Board of Governors	N	
							Neptune Madrid Holdco S.L.	ESP	NIA	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Governors	N	
							Neptune Nassica Propco S.L.	ESP	NIA	Neptune Madrid Holdco S.L.	Ownership	100.000	TIAA Board of Governors	N	
							Neptune Getafe Propco S.L.	ESP	NIA	Neptune Madrid Holdco S.L.	Ownership	100.000	TIAA Board of Governors	N	
							Neptune Las Rozas Outlet S.L.	ESP	NIA	Neptune Madrid Holdco S.L.	Ownership	100.000	TIAA Board of Governors	N	
							Neptune San Sebastian Outlet S.L.	ESP	NIA	Neptune Madrid Holdco S.L.	Ownership	100.000	TIAA Board of Governors	N	
							Neptune OPC1 SAS	FRA	NIA	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Governors	N	
							Roppenheim Holding SAS	FRA	NIA	Neptune OPC1 SAS	Ownership	100.000	TIAA Board of Governors	N	
							Roppenheim Outlet SNC	FRA	NIA	Roppenheim Holding SAS	Ownership	99.990	TIAA Board of Governors	N	3300
							Neptune Polish HoldCo 2 B.V.	NLD	NIA	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Governors	N	
							Neptune Ursus SP. z.o.o.	POL	NIA	Neptune Polish HoldCo 2 B.V.	Ownership	100.000	TIAA Board of Governors	N	
							Neptune Polish Property Venture BV	NLD	NIA	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Governors	N	
							Neptune Krakow SP. z.o.o.	POL	NIA	Neptune Polish Property Venture BV	Ownership	100.000	TIAA Board of Governors	N	
							Neptune Annapol SP. z.o.o.	POL	NIA	Neptune Polish Property Venture BV	Ownership	100.000	TIAA Board of Governors	N	
							Neptune Poznan SP. z.o.o.	POL	NIA	Neptune Polish Property Venture BV	Ownership	100.000	TIAA Board of Governors	N	
							Neptune Property Holding S.à r.l.	LUX	NIA	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Governors	N	
							Neptune Amsterdam B.V.	NLD	NIA	Neptune Property Holding S.à r.l.	Ownership	100.000	TIAA Board of Governors	N	
							Neptune Gliwice Sp. z o.o.	POL	NIA	Neptune Property Holding S.à r.l.	Ownership	100.000	TIAA Board of Governors	N	
							Neptune Roppenheim Holding S.à r.l	FRA	NIA	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Governors	N	
							Roppenheim Outlet SNC	FRA	NIA	Neptune Roppenheim Holding S.à r.l	Ownership	0.010	TIAA Board of Governors	N	3300
							Neptune Vicolungo I S.r.l.	ITA	NIA	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Governors	N	
							TC-Norway AS	NOR	NIA	T-C Europe S.à r.l.	Ownership	100.000	TIAA Board of Governors	N	
							Skedsmo Logistikk AS	NOR	NIA	TC-Norway AS	Ownership	100.000	TIAA Board of Governors	N	
										Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			45-2877772	4601786			T-C GA Real Estate Holdings, LLC	DE	NIA	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Governors	N	
			46-0959792	4611936			8 Spruce Street GA Investor, LLC	DE	NIA	8 Spruce Street GA Investor, LLC	Influence		TIAA Board of Governors	N	
			46-1403221	4619567			FC 8 Spruce Holdings, LLC	DE	NIA	FC 8 Spruce Holdings, LLC	Ownership	100.000	TIAA Board of Governors	N	
				4511867			FC 8 Spruce Street Residential, LLC	NY	NIA	FC 8 Spruce Holdings, LLC	Ownership	100.000	TIAA Board of Governors	N	

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			84-2144204				2300 Broadway Storage Operator LLC	DE	NIA	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Governors	N	
			82-1419222	5194360			Nuveen Global Cities REIT, Inc.	MD	NIA	T-C GA Real Estate Holdings, LLC	Ownership	71.330	TIAA Board of Governors	N	
			82-1502883	5198788			Nuveen Global Cities REIT LP, LLC	DE	NIA	Nuveen Global Cities REIT, Inc.	Ownership	100.000	TIAA Board of Governors	N	
			82-1507998	5198797			Nuveen Global Cities REIT OP, LP	DE	NIA	Nuveen Global Cities REIT, Inc.	Ownership	100.000	TIAA Board of Governors	N	
			87-0923425				Global Cities REIT Holding Company LLC	DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Governors	N	
			82-3527067	5205060			NR 844 North LLC	DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Governors	N	
			84-3576911	5497593			NR 9725 Datapoint Drive LLC	DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Governors	N	
							NR APCF Investor Ltd.	CYM	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Governors	N	
			86-2212099				NR Berkeley Lake Road LLC	DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Governors	N	
							NR Brookson Flats LP	DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Governors	N	
			82-5519657				NR Defoor Hills LLC	DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Governors	N	
			82-3539243	5205088			NR Denver Industrial Portfolio LLC	DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Governors	N	
			83-3651003				NR East Sego Lily LLC	DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Governors	N	
							NR ECF Investor Ltd.	CYM	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Governors	N	
			84-3175301	5481800			NR Globe Street Industrial LLC	DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Governors	N	
			83-1495411				NR Henderson 215 LLC	DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Governors	N	
			82-3556058	5205079			NR Kirkland Crossing LLC	DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Governors	N	
			83-1815798				NR Main Street at Kingwood LLC	DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Governors	N	
			85-2687486				NR Massachusetts REIT Member LLC	DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Governors	N	
			85-2687958				NR 1 National Street LLC	DE	NIA	NR Massachusetts REIT Member LLC	Ownership	100.000	TIAA Board of Governors	N	
			85-3509880				NR MOB 1335 North Mill Street LLC	DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Governors	N	
			87-1005322				NR MOB 1429 Highway 6 Member LLC	DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Governors	N	
			87-1005076				NRNX MOB 1429 Highway 6 Venture LLC	DE	NIA	NR MOB 1429 Highway 6 Member LLC	Ownership	100.000	TIAA Board of Governors	N	
			87-0994699				NR MOB 1429 Highway 6 LLC	DE	NIA	NRNX MOB 1429 Highway 6 Venture LLC	Ownership	100.000	TIAA Board of Governors	N	
			86-1392851				NR MOB 2945 Wilderness Place Member LLC	DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Governors	N	
			86-1393093				NRNX MOB 2945 Wilderness Place Venture LLC	DE	NIA	NR MOB 2945 Wilderness Place Member LLC	Ownership	100.000	TIAA Board of Governors	N	
							NR MOB 2945 Wilderness Place Venture LLC	DE	NIA	NRNX MOB 2945 Wilderness Place Venture LLC	Ownership	100.000	TIAA Board of Governors	N	
			85-3510154				NR MOB 4600 Bill Gardner Parkway LLC	DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Governors	N	
			85-4201485				NR San Antonio Industrial Building LLC	DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Governors	N	
			82-5503093				NR Tacara at Steiner Ranch LLC	DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Governors	N	
			86-3385370				NR The Canyons LLC	DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Governors	N	
			83-4299885	5510166			Nuveen Global Cities REIT Lending, LLC	DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Governors	N	
			87-1201383				Nuveen Global Cities REIT Subsidiary OP LLC	DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Governors	N	
			86-3628175				Union Property Operations NRE IV LLC	DE	NIA	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Governors	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 Governors	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 Governors	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 Governors	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 Governors	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 Governors	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 Governors	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 Governors	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 Governors	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 Governors	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 Governors	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 Governors	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 Governors	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 Governors	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 Governors	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 Governors	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 Governors	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 Governors	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 Governors	N	
			47-4684031	4904955			T-C 888 Brannan Venture LLC	DE	NIA	T-C 888 Brannan Member LLC	Ownership	50.100	TIAA Board of Governors	N	



STATEMENT AS OF JUNE 30, 2021 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 Per-centage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
			47-4674147	4908319			T-C 888 Brannan Owner LLC	DE	NIA	T-C 888 Brannan Venture LLC	Ownership	100.000	TIAA Board of Governors	N	
			47-5605380	4971845			T-C 888 Brannan TRS, LLC	DE	NIA	T-C 888 Brannan Owner LLC	Ownership	100.000	TIAA Board of Governors	N	
			45-3479701	4612081			T-C 2300 Broadway, LLC	DE	NIA	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Governors	N	
			46-1220681	4612139			T-C Aspira LLC	DE	NIA	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Governors	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 Governors	N	
			46-1794486	4615569			T-C Franklin Square Venture LLC	DE	NIA	T-C Franklin Square Member, LLC	Ownership	51.000	TIAA Board of Governors	N	
			26-0011770	4617611	1577581		TIAA Franklin Square, LLC	DE	NIA	T-C Franklin Square Venture LLC	Ownership	100.000	TIAA Board of Governors	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 Governors	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 Governors	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 Governors	N	
			45-4045658	4612148			T-C Kings Crossing, LLC	DE	NIA	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Governors	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 Governors	N	
			46-0876833	4628550			Legacy Place Associates, LLC	MA	NIA	T-C Legacy Place Member, LLC	Ownership	50.000	TIAA Board of Governors	N	
							300 Legacy Place Boulevard LLC	DE	NIA	Legacy Place Associates, LLC	Ownership	100.000	TIAA Board of Governors	N	
			30-0769316				Legacy Place Properties, LLC	MA	NIA	Legacy Place Associates, LLC	Ownership	100.000	TIAA Board of Governors	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 Governors	N	
			47-2867784	4843979			T-C Republic Square Venture LLC	DE	NIA	T-C Republic Square Member LLC	Ownership	50.100	TIAA Board of Governors	N	
			47-3033681	4844659			T-C Republic Square REIT LLC	DE	NIA	T-C Republic Square Venture LLC	Ownership	100.000	TIAA Board of Governors	N	
			47-3091198	4844798			T-C Republic Square Mezzanine LLC	DE	NIA	T-C Republic Square REIT LLC	Ownership	100.000	TIAA Board of Governors	N	
			47-2793452	4847735			T-C Republic Square Owner LLC	DE	NIA	T-C Republic Square Mezzanine LLC	Ownership	100.000	TIAA Board of Governors	N	
			47-1379500	4749969			The Flats Holding Company LLC	DE	NIA	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Governors	N	
			47-1347366	4752503			The Flats 130 DC Residential LLC	DE	NIA	The Flats Holding Company LLC	Ownership	100.000	TIAA Board of Governors	N	
			47-1363564	4752512			The Flats 140 DC Residential LLC	DE	NIA	The Flats Holding Company LLC	Ownership	100.000	TIAA Board of Governors	N	
			47-1367530	4751766			The Flats DC Grocery LLC	DE	NIA	The Flats Holding Company LLC	Ownership	100.000	TIAA Board of Governors	N	
							Teachers Insurance and Annuity Association of America	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			46-4567368	4651473			Adeoti Empreendimentos Imobiliários Ltda	BRA	NIA	T-C JK I, LLC	Ownership	51.000	TIAA Board of Governors	N	3400
				4680316						Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			46-4587620	4651482			T-C JK II, LLC	DE	NIA	T-C JK II, LLC	Ownership	49.000	TIAA Board of Governors	N	3400
				4680316			Adeoti Empreendimentos Imobiliários Ltda	BRA	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			47-4095803	4864022			T-C Lux Fund Holdings LLC	DE	NIA	T-C Lux Fund Holdings LLC	Ownership	100.000	TIAA Board of Governors	N	
				4896256			T-C Lux Investments Special Limited Partnership	LUX	NIA	T-C Lux Investments Special Limited Partnership	Ownership	100.000	TIAA Board of Governors	N	
							European Cities Partnership SCSp	LUX	NIA	T-C Lux Investments Special Limited Partnership	Management		TIAA Board of Governors	N	1300
							Global Real Estate Debt Partners Fund I (UK) SCSp	LUX	NIA	T-C Lux Investments Special Limited Partnership	Ownership	24.300	TIAA Board of Governors	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 Governors	N	
			81-4599024	5147049			T-C M-T REIT LLC	DE	NIA	T-C MV Member LLC	Ownership	99.900	TIAA Board of Governors	N	
							Teachers Insurance and Annuity Association of America			Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-3224525				T-C MV Member II LLC	DE	NIA	T-C MV Member II LLC	Ownership	51.000	TIAA Board of Governors	N	
			85-2937933				T-C MT II Originations TRS LLC	DE	NIA	T-C M-T REIT II LLC	Ownership	100.000	TIAA Board of Governors	N	
							Teachers Insurance and Annuity Association of America			Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			47-1954609	4759605			T-C Mt. Ommaney Centre Holding Company LLC	DE	NIA	T-C Mt. Ommaney Centre Holding Company LLC	Ownership	100.000	TIAA Board of Governors	N	
			47-1828871	4749905			T-C Mt. Ommaney Centre LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			82-1023309	5117800			T-C Permian Investor LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			46-3007720	4599874			T-C SBMC Joint Venture LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	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 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)	*
			36-4620008 36-4619998	4599128 4634029			T-C SMA 2, LLC PennMuni-TIAA U.S. Real Estate Fund, LLC	.DE .DE	NIA NIA	Teachers Insurance and Annuity Association of America T-C SMA 2, LLC	Ownership Management	100.000	TIAA Board of Governors TIAA Board of Governors	.N .N	
			81-2204918	4990976			T-C The Edge at Flagler Village, LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	.N	
			81-2676934 81-2691474 81-3299073	5012370 5014299 5018635			T-C UK RE Holdings I, LLC T-C UK RE Holdings II, LLC T-C UK RE Holdings III, LLC	.DE .DE .DE	NIA NIA NIA	Teachers Insurance and Annuity Association of America T-C UK RE Holdings I, LLC T-C UK RE Holdings II, LLC	Ownership Ownership Ownership	100.000 100.000 100.000	TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors	.N .N .N	
			47-3148337	4894869			T-C U.S. Super Regional Mall Fund LP	.DE	NIA	Teachers Insurance and Annuity Association of America	Management		TIAA Board of Governors	.N	
			47-5379777	4925512			T-C Waterford Blue Lagoon General Partner, LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	.N	
			47-5392075	4927785			Waterford Blue Lagoon LP	.DE	NIA	T-C Waterford Blue Lagoon General Partner, LLC	Ownership	1.000	TIAA Board of Governors	.N	3500
			47-5375805 47-5392075	4925503 4927785			T-C Waterford Blue Lagoon, LLC Waterford Blue Lagoon LP	.DE .DE	NIA NIA	Teachers Insurance and Annuity Association of America T-C Waterford Blue Lagoon, LLC	Ownership Ownership	100.000 50.000	TIAA Board of Governors TIAA Board of Governors	.N .N	3500
			81-0779817 47-5321319 47-5635267 47-5580924	4930226 4930196 4933003 4932994			Westland At Waterford REIT General Partner LLC Westland At Waterford REIT LP Westland At Waterford General Partner LLC Westland at Waterford LLC	.DE .DE .DE .DE	NIA NIA NIA NIA	Waterford Blue Lagoon LP Waterford Blue Lagoon LP Westland At Waterford REIT LP Westland At Waterford REIT LP	Ownership Ownership Ownership Ownership	100.000 100.000 100.000 100.000	TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors	.N .N .N .N	
			47-5305678 47-5642524 47-5541032 47-5672651 47-5498897	4930244 4930208 4933067 4933012 4933076			Waterford Blue Lagoon REIT LP 5201-5301 Waterford General Partner LLC 5201-5301 Waterford Operating LP 5200 Waterford General Partner LLC	.DE .DE .DE .DE	NIA NIA NIA NIA	Waterford Blue Lagoon LP Waterford Blue Lagoon REIT LP Waterford Blue Lagoon REIT LP Waterford Blue Lagoon REIT LP	Ownership Ownership Ownership Ownership	100.000 100.000 100.000 100.000	TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors	.N .N .N .N	
			81-0722154 47-5479437 47-5445045 47-5471474	4933085 4933030 4933115 4933049			5200 Waterford Operating LP 1000 Waterford General Partner LLC 1000 Waterford Operating LP 701-703 Waterford General Partner LLC	.DE .DE .DE .DE	NIA NIA NIA NIA	Waterford Blue Lagoon REIT LP Waterford Blue Lagoon REIT LP Waterford Blue Lagoon REIT LP Waterford Blue Lagoon REIT LP	Ownership Ownership Ownership Ownership	100.000 100.000 100.000 100.000	TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors	.N .N .N .N	
			82-2631273 82-2646233	5165557 5165566			Waterford Core REIT General Partner LLC Waterford Core REIT LP	.DE .DE	NIA NIA	Waterford Blue Lagoon LP Waterford Blue Lagoon LP	Ownership Ownership	100.000 100.000	TIAA Board of Governors TIAA Board of Governors	.N .N	
			84-3541603 81-0733012	4930217			Waterford Core 800 REIT General Partner LLC Waterford Core 800 REIT LP	.DE .DE	NIA NIA	Waterford Core REIT LP Waterford Core REIT LP	Ownership Ownership	100.000 100.000	TIAA Board of Governors TIAA Board of Governors	.N .N	
			47-5587163 82-2663579 82-2672297	4928661 5165548 5165539			Waterford Core General Partner LLC Waterford Core Operating LP Waterford Core II Operating LP	.DE .DE .DE	NIA NIA NIA	Waterford Core 800 REIT LP Waterford Core REIT LP Waterford Core REIT LP	Ownership Ownership Ownership	100.000 100.000 100.000	TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors	.N .N .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	Teachers Insurance and Annuity Association of America TEFF Holdco LLC TEFF Holdco LLC	Ownership Ownership Management	100.000 50.000	TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors	.N .N .N	400
				5043066 5044607			TEFF Holding S.a.r.l TEFF Investments B.V.	.LUX .NLD	NIA NIA	TIAA European Farmland Fund LP TEFF Holding S.a.r.l	Ownership Ownership	100.000 100.000	TIAA Board of Governors TIAA Board of Governors	.N .N	
							Areal III Spolka z o.o. Hodowla Zwierząt Zarodowych Choczewo Spolka z o.o.	.POL .POL	NIA NIA	TEFF Investments B.V.	Ownership Ownership	100.000 100.000	TIAA Board of Governors TIAA Board of Governors	.N .N	
							Hodowla Zwierząt Zarodowych Wierzychucino Spolka z o.o.	.POL	NIA	Areal III SP. z o.o.	Ownership	100.000	TIAA Board of Governors	.N	
								.POL	NIA	Areal III SP. z o.o.	Ownership	100.000	TIAA Board of Governors	.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 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)	*
							Hodowla Zwierzat Zarodowych Zarnowiec Spolka z o.o.	.POL	NIA	Areal III SP. z o.o.	Ownership	100.000	TIAA Board of Governors	N	
				5093856			Dangro Invest SA	.DNK	NIA	TEFF Investments B.V.	Ownership	100.000	TIAA Board of Governors	N	
				5116456			AGAT Spolka z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Governors	N	
				5117408			AGRA Spolka z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Governors	N	
				5116447			AGRAMAX Spolka z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Governors	N	
				5116429			AGRIFARM Spolka z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Governors	N	
				5117332			AGRO - DUBLINY SP. z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Governors	N	
				5117417			AGROLAND Spolka z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Governors	N	
				5117341			AGROSERVICE Spolka z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Governors	N	
				5117350			AMAL Spolka z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Governors	N	
							CISY Spolka z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Governors	N	
				5117369			KOLNO Spolka z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Governors	N	
				5117378			MILKOWO Sp. Z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Governors	N	
				5117396			SATOPY Spolka z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Governors	N	
				5117387			SEE-AGRO SP. z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Governors	N	
				5117695			SOBIERADZ Spolka z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Governors	N	
				5104556			Pszenrol SA	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Governors	N	
				5117435			BUDUS Spolka z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Governors	N	
				5117798			LOZICE Sp. z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Governors	N	
				5116492			OGARDY SP. z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Governors	N	
				5117640			ROLA Spolka z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Governors	N	
				5117659			ROLPOL Spolka z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Governors	N	
				5117668			ROLZBUD Spolka z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Governors	N	
				5116465			SZAFIR SP. z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Governors	N	
				5117761			WALICHNOWY Sp. z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Governors	N	
				5117770			WEZINY SP. z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Governors	N	
				5117789			ZIEMROL Spolka z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Governors	N	
				5098486			Adamas SA	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Governors	N	
				5116586			AMBER SP. z o.o.	.POL	NIA	Adamas SA	Ownership	100.000	TIAA Board of Governors	N	
				5117444			CIESZYSLAW SP z o.o.	.POL	NIA	Adamas SA	Ownership	100.000	TIAA Board of Governors	N	
				5116522			JAROSLAWSKO I SP. z o.o.	.POL	NIA	Adamas SA	Ownership	100.000	TIAA Board of Governors	N	
				5116513			JAROSLAWSKO II SP. z o.o.	.POL	NIA	Adamas SA	Ownership	100.000	TIAA Board of Governors	N	
				5117462			JASIONNO Spolka z o.o.	.POL	NIA	Adamas SA	Ownership	100.000	TIAA Board of Governors	N	
				5116483			OPAL SP z o.o.	.POL	NIA	Adamas SA	Ownership	100.000	TIAA Board of Governors	N	
							TETYRI SP. z o.o.	.POL	NIA	Adamas SA	Ownership	100.000	TIAA Board of Governors	N	
							Gospodarstwo Okopy Sp. z o.o.	.POL	NIA	TEFF Investments B.V.	Ownership	100.000	TIAA Board of Governors	N	
							Agrohop Bielice Sp. z o.o.	.POL	NIA	Gospodarstwo Okopy Sp. z o.o.	Ownership	100.000	TIAA Board of Governors	N	
							Agrohop Service Sp. z o.o.	.POL	NIA	Agrohop Bielice Sp. z o.o.	Ownership	100.000	TIAA Board of Governors	N	
							Agrohop Sp. z o.o.	.POL	NIA	Agrohop Bielice Sp. z o.o.	Ownership	100.000	TIAA Board of Governors	N	
							Agrohop Bis Sp. z o.o.	.POL	NIA	Agrohop Sp. z o.o.	Ownership	100.000	TIAA Board of Governors	N	
							Cieszanowice Solar Park sp. z o.o.	.POL	NIA	Gospodarstwo Okopy Sp. z o.o.	Ownership	100.000	TIAA Board of Governors	N	
							Przedsiębiorstwo Rolne Okopy Sp. z o.o.	.POL	NIA	Gospodarstwo Okopy Sp. z o.o.	Ownership	100.000	TIAA Board of Governors	N	
			84-3332496				TGA 10th Street Business Park LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			82-1645257	5183412			TGA 127-137 Franklin LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			81-2769108	5012389			TGA 299 Franklin LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			81-3988795	5049479			TGA 600 College Road LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			83-2548459				TGA 730 Third Avenue Owner LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	

STATEMENT AS OF JUNE 30, 2021 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)	*
			83-2957526				TGA 3401 North Ashton Blvd LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			82-4830474				TGA 3851 Grandpine Way LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			82-2225812				TGA APAC Fund Holdings, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			82-2311300				Asia Pacific Cities Fund, FCP	LUX	NIA	TGA APAC Fund Holdings, LLC	Ownership	27.700	TIAA Board of Governors	N	3600
							TGA Real Estate Fund Holdings, LLC	DE	NIA	TGA APAC Fund Holdings, LLC	Ownership	100.000	TIAA Board of Governors	N	
							Asia Pacific Cities Fund, FCP	LUX	NIA	TGA Real Estate Fund Holdings, LLC	Ownership	27.700	TIAA Board of Governors	N	3600
			86-3673675				TGA ASI Monte Vista Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			86-2376987				TGA ASI Riverstone Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-3830265				TGA Auburn Business Park LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-3285557				TGA Aurora DC III LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-3475931				TGA Baltimore IC LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			83-1851559				TGA Barnes Canyon Life Science LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			85-3076626				TGA PC MCF Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-3303586				TGA Beckwith Farms LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-3314123				TGA Bedford Park LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			85-4073425				TGA Boulder Creek LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			85-4073222				TGA Bridge Creek LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-3441362				TGA Bridge Point LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-2939313				TGA Cactus DC I LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-2939493				TGA Cactus DC II LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-3523623				TGA Capital Beltway CC LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-3487859				TGA Center Square DC LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-3314029				TGA Centerpointe LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			83-3799476				TGA Central Green LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-4376282				TGA Central Square Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-4880676				TGACSE Central Square Holdings LLC	DE	NIA	TGA Central Square Investor Member LLC	Ownership	95.000	TIAA Board of Governors	N	
			84-4893448				TGACSE Central Square LLC	DE	NIA	TGACSE Central Square Holdings LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-4923976				TGACSE Midwood Corners LLC	DE	NIA	TGACSE Central Square Holdings LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-4893383				TGACSE Morningside LLC	DE	NIA	TGACSE Central Square Holdings LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-4924033				TGACSE Triangle LLC	DE	NIA	TGACSE Central Square Holdings LLC	Ownership	100.000	TIAA Board of Governors	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 Governors	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 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)	*
			61-1892161 83-1011298				PEP-TH Athens, LLC PEP Athens, LLC	DE	NIA	TGA Connections at Athens Investor Member LLC	Ownership	98.000	TIAA Board of Governors	N	
			85-1065983				TGA Creekside Village Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-3740496				TGA East Coronado Industrial LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-3740590				TGA East Miraloma Industrial LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
							TGA Eastridge Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
							TGA King EastRidge Venture LLC	DE	NIA	TGA Eastridge Investor Member LLC	Ownership	95.000	TIAA Board of Governors	N	
							TGA King EastRidge Owner LLC	DE	NIA	TGA King EastRidge Venture LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-3740669				TGA Emerald Corporate Park LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-3502383				TGA Englewood DC LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
							TGA Enterprise Park Business Center LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			83-2810033				TGA European RE Holdings I, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
							Eagle GPCo S.à r.l.	LUX	NIA	TGA European RE Holdings I, LLC	Ownership	89.500	TIAA Board of Governors	N	
							Eagle Partnership SCSp	LUX	NIA	TGA European RE Holdings I, LLC	Ownership	89.500	TIAA Board of Governors	N	
							Eagle JVCo S.à r.l.	LUX	NIA	Eagle Partnership SCSp	Ownership	100.000	TIAA Board of Governors	N	
							CB Krieau Dzwi GmbH	AUT	NIA	Eagle JVCo S.à r.l.	Ownership	100.000	TIAA Board of Governors	N	
							VIE Student House A GmbH & Co KG	AUT	NIA	CB Krieau Dzwi GmbH	Ownership	6.000	TIAA Board of Governors	N	3700
							Eagle Austria Holdings S.à r.l.	LUX	NIA	Eagle JVCo S.à r.l.	Ownership	100.000	TIAA Board of Governors	N	
							VIE Student House A GmbH & Co KG	AUT	NIA	Eagle Austria Holdings S.à r.l.	Ownership	94.000	TIAA Board of Governors	N	3700
							Eagle Italy 1 S.r.l.	ITA	NIA	Eagle JVCo S.à r.l.	Ownership	100.000	TIAA Board of Governors	N	
							Studenthouse Rua Manuel Pereira, S.A	PRT	NIA	Eagle JVCo S.à r.l.	Ownership	100.000	TIAA Board of Governors	N	
							Wroc?aw Fabryczna 22 sp. z o.o.	POL	NIA	Eagle JVCo S.à r.l.	Ownership	100.000	TIAA Board of Governors	N	
							Wroc?aw Prusa 9 sp. z o.o.	POL	NIA	Eagle JVCo S.à r.l.	Ownership	100.000	TIAA Board of Governors	N	
							TGA Housing Holding S.à r.l.	LUX	NIA	TGA European RE Holdings I, LLC	Ownership	100.000	TIAA Board of Governors	N	
							Blitz H21-612 GmbH	DEU	NIA	TGA Housing Holding S.à r.l.	Ownership	100.000	TIAA Board of Governors	N	
							TK Living GPCo Sarl	LUX	NIA	TGA European RE Holdings I, LLC	Ownership	100.000	TIAA Board of Governors	N	
							TK Living Partnership SCSp	LUX	NIA	TGA European RE Holdings I, LLC	Ownership	90.000	TIAA Board of Governors	N	
							TK Living JVCo Sarl	LUX	NIA	TK Living Partnership SCSp	Ownership	100.000	TIAA Board of Governors	N	
							Lotomint S.L.	ESP	NIA	TK Living JVCo Sarl	Ownership	100.000	TIAA Board of Governors	N	
							Carminsin S.L.	ESP	NIA	Lotomint S.L.	Ownership	100.000	TIAA Board of Governors	N	
							Naralisno S.L.	ESP	NIA	Lotomint S.L.	Ownership	100.000	TIAA Board of Governors	N	
							Sanfergar S.L.	ESP	NIA	Lotomint S.L.	Ownership	100.000	TIAA Board of Governors	N	
							Tinesen S.L.	ESP	NIA	Lotomint S.L.	Ownership	100.000	TIAA Board of Governors	N	
				5049497			Teachers Insurance and Annuity Association of America								
			82-2708488				TGA FC Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			82-2708488				Fenway Center Holding 1-2, LLC	DE	NIA	TGA FC Investor Member LLC	Ownership	50.000	TIAA Board of Governors	N	
							Fenway Center Owner 1-2, LLC	DE	NIA	Fenway Center Holding 1-2, LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-3523773				TGA Franklin Square IC I LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-3523813				TGA Franklin Square IC II LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-3332846				TGA Freeport DC LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-3740749				TGA Greenstone Logistics Center LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	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 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)	*
			84-3463522				TGA Hagerstown DC LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-3475313				TGA Hollins End LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-3523721				TGA I-95 DC LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			81-3602072	5040551			TGA Japan Holdings, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
				5047710			TGA Japan Holdings Pte Ltd	SGP	NIA	TGA Japan Holdings, LLC	Ownership	100.000	TIAA Board of Governors	N	
				5048771			TGA Japan GK Holdings Pte Ltd	SGP	NIA	TGA Japan Holdings Pte Ltd	Ownership	100.000	TIAA Board of Governors	N	
				5048762			TGA Ginza 115 Holdings Pte Ltd	SGP	NIA	TGA Japan Holdings Pte Ltd	Ownership	100.000	TIAA Board of Governors	N	
			84-3718861				TGA JIL Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-4376472				TGA JIL II Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			87-1280436				TGA JIL III CT Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			85-1292481				TGA JIL MCF Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-3523582				TGA Landover DC LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-4773958				TGA Maryland Farms Holdings LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-4775239				U.S. Cities Office Fund Maryland Farms Co-Invest	DE	NIA	TGA Maryland Farms Holdings LLC	Ownership	49.000	TIAA Board of Governors	N	3800
			85-4075985				TGA Lakes at Indian Creek Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-2765297				TGA MH Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			86-2908291				TGA MH III Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			82-1169084				TGA MKP Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			82-1198745				TGA MKP Venture LLC	DE	NIA	TGA MKP Member LLC	Ownership	60.000	TIAA Board of Governors	N	
			82-1187131				TGA MKP REIT LLC	DE	NIA	TGA MKP Venture LLC	Ownership	100.000	TIAA Board of Governors	N	
							TGA MOB South Boerne LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			81-4232788	5075722			TGA Montague Investor Member, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
				5093780			RCD TGA Pierrepont Partners LLC	DE	NIA	TGA Montague Investor Member, LLC	Ownership	51.600	TIAA Board of Governors	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 Governors	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 Governors	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 Governors	N	
			83-2379583				Morningstar NRE Self Storage Portfolio LLC	DE	NIA	TGA MS Self Storage Investor Member LLC	Ownership	90.000	TIAA Board of Governors	N	
							MSC Bentonville, LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
							MSC Boerne, LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
							MSC Buda, LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	

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

1	2	3	4	5	6	7	8	9	10	11	12 Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	13 If Control is Owner- ship Provide Percen- tage	14  Ultimate Controlling Entity(ies)/Person(s)	15  Is an SCA Filing Re- quired? (Y/N)	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	Rela- tion- ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)					
							MSC Carolinas, LLC .....	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Governors .....	N	
							MSC Dam Storage, LLC .....	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Governors .....	N	
							MSC Evans Rd, LLC .....	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Governors .....	N	
							MSC Greenhouse, LLC .....	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Governors .....	N	
							MSC Highway 521 Storage, LLC .....	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Governors .....	N	
							MSC Kemps Landing, LLC .....	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Governors .....	N	
							MSC Midtown Atlanta, LLC .....	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Governors .....	N	
							MSC MTP, LLC .....	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Governors .....	N	
							MSC Peachtree, LLC .....	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Governors .....	N	
							MSC South End, LLC .....	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Governors .....	N	
							MSC Spring Branch, LLC .....	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Governors .....	N	
							MSC SW Austin, LLC .....	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Governors .....	N	
							MSC Tallahassee, LLC .....	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Governors .....	N	
							MSC Yorktown, LLC .....	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Governors .....	N	
			83-4153778 .....				TGA Near East LLC .....	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	N	
			85-1291326 .....				TGA Nex Investor LLC .....	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	N	
			83-4139835 .....				TGA NJAHP Investor Member LLC .....	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	N	
			84-4574378 .....				TGA NJAHP II Investor Member LLC .....	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	N	
			85-2859128 .....				TGA NYCAHP I Investor Member LLC .....	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	N	
			84-3740851 .....				TGA North Miller Industrial LLC .....	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	N	
			84-3759605 .....				TGA North Orange Industrial LLC .....	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	N	
			84-4774106 .....				TGA OHare Logistics Center IV LLC .....	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	N	
			83-1934291 .....				TGA Oak View Mall LLC .....	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	N	
			85-3510351 .....				TGA Octave Apartments LLC .....	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	N	
			85-4396119 .....				TGA Pacific Landing LLC .....	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	N	
			84-3254652 .....				TGA Park 355 LLC .....	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	N	
			84-3254103 .....				TGA Park 55 LLC .....	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	N	

STATEMENT AS OF JUNE 30, 2021 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 Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
			84-3254979				TGA Park 88 LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
							TGA Peaceable Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			83-3250233				TGA Pleasant Prairie Center LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-3285659				TGA Prairie Point LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-3830675				TGA Renton Park 405 LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			83-2938932				TGA Sandy Commerce Park LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-3487605				TGA Somerset IC LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-3476142				TGA Somerset IC II LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			85-2863856				TGA Sparrow Investor LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			85-2574637				Sparrow Realty Investment I LLC	DE	NIA	TGA Sparrow Investor LLC	Ownership	95.000	TIAA Board of Governors	N	
							Sparrow Realty Investment WHF, LLC	DE	NIA	Sparrow Realty Investment I LLC	Ownership	100.000	TIAA Board of Governors	N	
							SN Arizona LLC	DE	NIA	Sparrow Realty Investment WHF, LLC	Ownership	100.000	TIAA Board of Governors	N	
							SN DFW LLC	DE	NIA	Sparrow Realty Investment WHF, LLC	Ownership	100.000	TIAA Board of Governors	N	
			86-1703020				SN SA LLC	DE	NIA	Sparrow Realty Investment WHF, LLC	Ownership	100.000	TIAA Board of Governors	N	
							SN Tampa LLC	DE	NIA	Sparrow Realty Investment WHF, LLC	Ownership	100.000	TIAA Board of Governors	N	
			85-3330672				Sparrow Homes US LLC	DE	NIA	Sparrow Realty Investment WHF, LLC	Ownership	100.000	TIAA Board of Governors	N	
							TGA SP-MPC Housing Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			83-2063402				TGA-SP Housing Venture I LLC	DE	NIA	TGA SP-MPC Housing Investor Member LLC	Ownership	87.500	TIAA Board of Governors	N	
			83-2147240				TGA SP-MPC Housing Venture I LLC	DE	NIA	TGA-SP Housing Venture I LLC	Ownership	97.000	TIAA Board of Governors	N	
			83-2123785				MPSP Ashwood Homes LLC	DE	NIA	TGA SP-MPC Housing Venture I LLC	Ownership	100.000	TIAA Board of Governors	N	
			83-1869400							Morningstar NRE Self Storage Portfolio LLC					
			83-1869494				MPSP Ashwood MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
							MPSP Beltline Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-2331138							Morningstar NRE Self Storage Portfolio LLC					
			84-2345909				MPSP Beltline Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
										Morningstar NRE Self Storage Portfolio LLC					
			84-2216330				MPSP Beltline MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
										Morningstar NRE Self Storage Portfolio LLC					
			83-1088601				MPSP Center Grove Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
										Morningstar NRE Self Storage Portfolio LLC					
			83-2290040				MPSP Center Grove Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
										Morningstar NRE Self Storage Portfolio LLC					
			83-1076792				MPSP Center Grove MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
										Morningstar NRE Self Storage Portfolio LLC					
			84-2158715				MPSP Colinas South Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
										Morningstar NRE Self Storage Portfolio LLC					
			84-2158791				MPSP Colinas South Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
										Morningstar NRE Self Storage Portfolio LLC					
			84-2169896				MPSP Colinas South MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
										Morningstar NRE Self Storage Portfolio LLC					
			84-2169973				MPSP Estancia Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
										Morningstar NRE Self Storage Portfolio LLC					
			84-2277681				MPSP Estancia Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	



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

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			84-1976109				MPSP Estancia MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			83-4260197				MPSP Fairlane Oaks Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			83-4283444				MPSP Fairlane Oaks Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			83-4241248				MPSP Fairlane Oaks MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-2290488				MPSP Lakeview Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-2319726				MPSP Lakeview Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-2199063				MPSP Lakeview MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			83-1213262				MPSP Lemon Tree Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			83-2548459				MPSP Lemon Tree MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			83-1230821				MPSP Mobile Gardens Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			83-1230714				MPSP Mobile Gardens MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-2379528				MPSP Parker Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-2389423				MPSP Parker Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-2247177				MPSP Parker MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-2277774				MPSP Seven Oaks Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-2290439				MPSP Seven Oaks Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-2198856				MPSP Seven Oaks MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			83-2700633				MPSP Shiloh Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			83-2725391				MPSP Shiloh Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			83-2700544				MPSP Shiloh MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-2428644				MPSP South Concho Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-2436652				MPSP South Concho Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-2261982				MPSP South Concho MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			83-2736822				MPSP Stonegate Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			83-2736936				MPSP Stonegate Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			83-2725560				MPSP Stonegate MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-2319873				MPSP TC GH Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	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 Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
			84-2331064				MPSP TC GH Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-2216156				MPSP TC GH MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-2389479				MPSP TC Sherman Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-2428588				MPSP TC Sherman Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-2247220				MPSP TC Sherman MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-2345969				MPSP Wildwood Acres Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-2361787				MPSP Wildwood Acres Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-2239609				MPSP Wildwood Acres MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-2361842				MPSP Wildwood Village Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-2379481				MPSP Wildwood Village Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-2239646				MPSP Wildwood Village MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			83-2848324				MPSP Windsong Homes LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			83-2848439				MPSP Windsong Lender LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			83-2861026				MPSP Windsong MHC LLC	DE	NIA	Morningstar NRE Self Storage Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
			86-1741788				TGA SS Self Storage Portfolio Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
							TGA SS Self Storage Tranche I Venture LP	DE	NIA	TGA SS Self Storage Portfolio Investor Member LLC	Ownership	96.000	TIAA Board of Governors	N	
			86-1714431				TGA SS Self Storage Portfolio Venture LP	DE	NIA	TGA SS Self Storage Portfolio Investor Member LLC	Ownership	96.000	TIAA Board of Governors	N	
			86-1623164				TGA SC Bonita Springs LP	DE	NIA	TGA SS Self Storage Portfolio Venture LP	Ownership	100.000	TIAA Board of Governors	N	
			86-1623454				TGA SC Gainesville LP	DE	NIA	TGA SS Self Storage Portfolio Venture LP	Ownership	100.000	TIAA Board of Governors	N	
			86-1623724				TGA SC Columbus Veterans LP	DE	NIA	TGA SS Self Storage Portfolio Venture LP	Ownership	100.000	TIAA Board of Governors	N	
			86-1624012				TGA SC Columbus Ford LP	DE	NIA	TGA SS Self Storage Portfolio Venture LP	Ownership	100.000	TIAA Board of Governors	N	
			86-1638763				TGA SC Global Indy I LP	DE	NIA	TGA SS Self Storage Portfolio Venture LP	Ownership	100.000	TIAA Board of Governors	N	
			86-1638905				TGA SC Indianapolis 29th Street LP	DE	NIA	TGA SS Self Storage Portfolio Venture LP	Ownership	100.000	TIAA Board of Governors	N	
			86-1639097				TGA SC Erie Avenue LP	DE	NIA	TGA SS Self Storage Portfolio Venture LP	Ownership	100.000	TIAA Board of Governors	N	
			86-1639231				TGA SC Kensington LP	DE	NIA	TGA SS Self Storage Portfolio Venture LP	Ownership	100.000	TIAA Board of Governors	N	
			86-1639333				TGA SC Germantown LP	DE	NIA	TGA SS Self Storage Portfolio Venture LP	Ownership	100.000	TIAA Board of Governors	N	
			86-1676331				TGA SC Lancaster LP	DE	NIA	TGA SS Self Storage Portfolio Venture LP	Ownership	100.000	TIAA Board of Governors	N	
			86-1676505				TGA SC Beaumont LP	DE	NIA	TGA SS Self Storage Portfolio Venture LP	Ownership	100.000	TIAA Board of Governors	N	
			86-1676901				TGA SC Glenn Heights LP	DE	NIA	TGA SS Self Storage Portfolio Venture LP	Ownership	100.000	TIAA Board of Governors	N	
			86-1677082				TGA SC Houston LP	DE	NIA	TGA SS Self Storage Portfolio Venture LP	Ownership	100.000	TIAA Board of Governors	N	
			86-1677222				TGA SC Hansboro Avenue LP	DE	NIA	TGA SS Self Storage Portfolio Venture LP	Ownership	100.000	TIAA Board of Governors	N	
			84-3255382				TGA Sterling DC LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
							TGA TCA Durham Logistics Center Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
							TGA TCA Durham Logistics Center LLC	DE	NIA	TGA TCA Durham Logistics Center Investor Member LLC	Ownership	90.000	TIAA Board of Governors	N	

STATEMENT AS OF JUNE 30, 2021 OF THE TIAA-CREF LIFE INSURANCE COMPANY

SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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			85-3509669				TGA The Apartments at Blakeney LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	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 Governors	N	
			84-3055701				TGAP The Warehouse At CH LLC	DE	NIA	TGA The Warehouse At CH Investor Member LLC	Ownership	98.500	TIAA Board of Governors	N	
			84-3055465				TGAP The Warehouse At CH Owner LLC	DE	NIA	TGAP The Warehouse At CH LLC	Ownership	100.000	TIAA Board of Governors	N	
			86-1749539				TGA The Warehouse At Ch II Investor Member LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
							TGAP The Warehouse at CH II LLC	DE	NIA	TGA The Warehouse At Ch II Investor Member LLC	Ownership	90.000	TIAA Board of Governors	N	
							TGAP The Warehouse at CH II Owner LLC	DE	NIA	TGAP The Warehouse at CH II LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-3759437				TGA Tri-State Commerce Center LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			85-3917654				TGA Twelve100 Apartments LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
							TGA University Parcels LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-3830895				TGA Van Dorens West LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-3441798				TGA Vista Point South LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-3527380				TGA Washington DC CC LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			84-2939589				TGA Westport Distribution Center LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			83-0723201				TGA Yorktown Apartments LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			81-1994278	5018626			TGAM Agribusiness Fund LP	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	99.700	TIAA Board of Governors	N	
			82-2826183				TIAA Administrative Services LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
				4900500			TIAA CLO I Ltd	CYM	NIA	Teachers Insurance and Annuity Association of America	Management		TIAA Board of Governors	N	
				5049965			TIAA CLO I LLC	DE	NIA	TIAA CLO I Ltd	Ownership	100.000	TIAA Board of Governors	N	
			84-1905731				TIAA CLO I Holding, LLC	DE	NIA	TIAA CLO I Ltd	Ownership	100.000	TIAA Board of Governors	N	
							TIAA CLO II Ltd	CYM	NIA	Teachers Insurance and Annuity Association of America	Management		TIAA Board of Governors	N	
							TIAA CLO II LLC	DE	NIA	TIAA CLO II Ltd	Ownership	100.000	TIAA Board of Governors	N	
			84-1921751				TIAA CLO II Holding, LLC	DE	NIA	TIAA CLO II Ltd	Ownership	100.000	TIAA Board of Governors	N	
				5157860			TIAA CLO III Ltd.	CYM	NIA	Teachers Insurance and Annuity Association of America	Management		TIAA Board of Governors	N	
							TIAA CLO III LLC	DE	NIA	TIAA CLO III Ltd.	Ownership	100.000	TIAA Board of Governors	N	
							TIAA CLO IV Ltd.	CYM	NIA	Teachers Insurance and Annuity Association of America	Management		TIAA Board of Governors	N	
							TIAA CLO V Ltd	CYM	NIA	Teachers Insurance and Annuity Association of America	Management		TIAA Board of Governors	N	
			13-4173396	4599203			TIAA CMBS I, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			13-4173396	4602774			TIAA CMBS I Trust	DE	NIA	TIAA CMBS I, LLC	Ownership	100.000	TIAA Board of Governors	N	
			47-4570655	4900498			TIAA Diversified Public Investments, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			90-0615674	3838857	1502749		TIAA FSB Holdings, Inc.	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	Y	

STATEMENT AS OF JUNE 30, 2021 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)	*
			59-3531592	2735146			Everbank Funding, LLC	DE	NIA	TIAA FSB Holdings, Inc.	Ownership	100.000	TIAA Board of Governors	N	
			59-3547521	4318057			TIAA, FSB	US	NIA	TIAA FSB Holdings, Inc.	Ownership	100.000	TIAA Board of Governors	N	
			43-1823879	4318066			AMC Holding, Inc.	FL	NIA	TIAA, FSB	Ownership	100.000	TIAA Board of Governors	N	
			36-1208070	4460817			Customerone Financial Network, Inc.	DE	NIA	AMC Holding, Inc.	Ownership	100.000	TIAA Board of Governors	N	
			11-3642567	4318178			Business Property Lending, Inc.	DE	NIA	TIAA, FSB	Ownership	100.000	TIAA Board of Governors	N	
			61-1560018	4318217	1436613		Elite Lender Services, Inc.	FL	NIA	TIAA, FSB	Ownership	100.000	TIAA Board of Governors	N	
			20-0716627	4318226			Tygris Commercial Financial Group, Inc.	DE	NIA	TIAA, FSB	Ownership	100.000	TIAA Board of Governors	N	
			26-2483829	3867400			TIAA Commercial Finance, Inc.	DE	NIA	Tygris Commercial Financial Group, Inc.	Ownership	100.000	TIAA Board of Governors	N	
							Tygris Asset Finance, Inc.	DE	NIA	Tygris Commercial Financial Group, Inc.	Ownership	100.000	TIAA Board of Governors	N	
			81-1241294	4979391			TIAA GBS Holding LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
				5003789			TIAA GBS Singapore Holding Company Pte. Ltd.	SGP	NIA	TIAA GBS Holding LLC	Ownership	100.000	TIAA Board of Governors	N	
				5006838			TIAA Global Business Services (India) Private Limited	IND	NIA	TIAA GBS Singapore Holding Company Pte. Ltd.	Ownership	100.000	TIAA Board of Governors	N	
			27-5551198	4599267			TIAA Global Ag Holdco LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			45-5044364	4627124			Global Agriculture AIV (US) LLC	DE	NIA	TIAA Global Ag Holdco LLC	Ownership	98.100	TIAA Board of Governors	N	
			45-1531685	4643580			Global Ag Properties USA LLC	DE	NIA	Global Agriculture AIV (US), LLC	Management		TIAA Board of Governors	N	
			80-0843991	4644877			Loma del Rio Vineyards, LLC	DE	NIA	Global Ag Properties USA LLC	Ownership	55.000	TIAA Board of Governors	N	1900
			46-2577906	4643973			Sugarloaf Vineyard, LLC	DE	NIA	Global Ag Properties USA LLC	Ownership	100.000	TIAA Board of Governors	N	
			47-1083514	4753582			Global Agriculture II AIV (US) LLC	DE	NIA	TIAA Global Ag Holdco LLC	Ownership	100.000	TIAA Board of Governors	N	
			47-1069783	4755438			Global Ag Properties II USA LLC	DE	NIA	Global Agriculture II AIV (US) LLC	Ownership	50.000	TIAA Board of Governors	N	
			27-5551341	4639994			TIAA-CREF Global Agriculture LLC	DE	NIA	TIAA Global Ag Holdco LLC	Management		TIAA Board of Governors	N	
				4643357			Global AG Properties Australia Pty, Ltd	AUS	NIA	TIAA-CREF Global Agriculture LLC	Ownership	100.000	TIAA Board of Governors	N	
				4643571			Global AG Properties Australia Trust	AUS	NIA	TIAA-CREF Global Agriculture LLC	Ownership	100.000	TIAA Board of Governors	N	
				4643094			Nova Gaia Brasil Participaco Ltda.	BRA	NIA	TIAA-CREF Global Agriculture LLC	Ownership	99.990	TIAA Board of Governors	N	3900
				4644493			Tellus Brasil Participaco S.A.	BRA	NIA	Nova Gaia Brasil Participaco Ltda.	Management		TIAA Board of Governors	N	4000
				4644484			Terraviva Brasil Participaco Ltda.	BRA	NIA	Nova Gaia Brasil Participaco Ltda.	Ownership	99.990	TIAA Board of Governors	N	4100
				4644493			Tellus Brasil Participaco S.A.	BRA	NIA	Terraviva Brasil Participaco Ltda.	Management		TIAA Board of Governors	N	4000
				4863490			Agrobio Investimentos e Participações S.A.	BRA	NIA	Tellus Brasil Participaco S.A.	Ownership	100.000	TIAA Board of Governors	N	
				4646321			Cerpon Participações S.A.	BRA	NIA	Tellus Brasil Participaco S.A.	Ownership	100.000	TIAA Board of Governors	N	
				4725758			Nova Ibiajara Propriedades Agrícolas S.A.	BRA	NIA	Tellus Brasil Participaco S.A.	Ownership	100.000	TIAA Board of Governors	N	
				4653954			Tellus Bahia Propriedades Agrícolas Ltda.	BRA	NIA	Tellus Brasil Participaco S.A.	Ownership	100.000	TIAA Board of Governors	N	
				4653981			Jatobá Propriedades Agrícolas Ltda.	BRA	NIA	Tellus Brasil Participaco S.A.	Ownership	100.000	TIAA Board of Governors	N	
				4644505			Terra do Sol Propriedades Agrícolas S.A.	BRA	NIA	Tellus Brasil Participaco S.A.	Ownership	100.000	TIAA Board of Governors	N	
				4644514			Terrainvest Propriedades Agrícolas S.A.	BRA	NIA	Tellus Brasil Participaco S.A.	Ownership	100.000	TIAA Board of Governors	N	
				4646282			Tparone Participações S.A.	BRA	NIA	Tellus Brasil Participaco S.A.	Ownership	100.000	TIAA Board of Governors	N	
				4646303			Toperone Agrícola S.A.	BRA	NIA	Tparone Participações S.A.	Ownership	100.000	TIAA Board of Governors	N	
				4646291			Tpartwo Participações S.A.	BRA	NIA	Tellus Brasil Participaco S.A.	Ownership	100.000	TIAA Board of Governors	N	
				4646312			Topertwo Agrícola S.A.	BRA	NIA	Tpartwo Participações S.A.	Ownership	100.000	TIAA Board of Governors	N	
			45-1502187	4640011			TIAA-CREF Global Agriculture BR, LLC	DE	NIA	TIAA-CREF Global Agriculture LLC	Ownership	100.000	TIAA Board of Governors	N	
				4643094			Nova Gaia Brasil Participaco Ltda.	BRA	NIA	TIAA-CREF Global Agriculture BR, LLC	Ownership	0.010	TIAA Board of Governors	N	3900
				4644484			Terraviva Brasil Participaco Ltda.	BRA	NIA	TIAA-CREF Global Agriculture BR, LLC	Ownership	0.010	TIAA Board of Governors	N	4100
			47-0974399	4753591	1616610		TIAA-CREF Global Agriculture II LLC	DE	NIA	TIAA Global Ag Holdco LLC	Management		TIAA Board of Governors	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 Governors	N	
			46-2860100	4599276			TIAA Global Equity Income, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			26-3594208	4863502			TIAA Global Public Investments, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			46-3881813	4599892			TIAA GTR HoldCo, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			46-3210500	4724023			Global Timber Resources LLC	DE	NIA	TIAA GTR HoldCo, LLC	Ownership	50.000	TIAA Board of Governors	N	
			46-3909387	4868431			Global Timber SA LLC	DE	NIA	Global Timber Resources LLC	Ownership	100.000	TIAA Board of Governors	N	

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## 13.26

STATEMENT AS OF JUNE 30, 2021 OF THE TIAA-CREF LIFE INSURANCE COMPANY

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

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			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 Governors TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors	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 Governors TIAA Board of Governors TIAA Board of Governors	N N N	
			85-3343718				TIAA Shared Services, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			81-2755014	5011346			TIAA SMA Strategies, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			45-3029655	4601197			TIAA-Stonepeak Investments I, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			45-3030923	4601245			TIAA-Stonepeak Investments II, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	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 Governors TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors	N N N N N	
			38-3173536 46-2713521 46-2726147 4615617 45-3165203 45-2211957	2884259 4604116 4612979 4615617 4644064 4644073		1544129	Partnership T-C Las Vegas Retail REIT LLC T-C Las Vegas Retail Investor LLC Grand Canal Shoppes Holdings, LLC T-C Midwest REIT, LLC T-C Midwest Retail, LLC	DE DE DE DE DE DE	NIA NIA NIA NIA NIA NIA	T-C International Plaza Investor LP LLC T-C Super Regional Mall Venture, LLC T-C Las Vegas Retail REIT LLC T-C Las Vegas Retail Investor LLC T-C Super Regional Mall Venture, LLC T-C Midwest REIT, LLC	Influence Ownership Ownership Influence Ownership Ownership	 100.000 100.000  99.800 100.000	TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors	N N N N N N	
			45-3164998 27-4117159 95-4658637	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 Governors TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors	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 Governors TIAA Board of Governors	N N	
			4747835 4749866 56-2492641 27-0195010	4747835 4749866 4643900 4626088			Catalina Solar Lessee Holdco, LLC Catalina Solar Lessee, LLC SG Solutions, LLC AE Investor II, LLC	CA CA DE DE	NIA NIA NIA NIA	730 Catsolar, LLC Catalina Solar Lessee Holdco, LLC TIAA SynGas, LLC TIAA SynGas, LLC	Ownership Ownership Influence Ownership	50.000 100.000  57.000	TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors	N N N N	
			20-8892977 20-8281443	4599810 4640066			TIAA Union Place Phase I, LLC Union Place Phase I, LLC	DE DE	NIA NIA	Teachers Insurance and Annuity Association of America TIAA Union Place Phase I, LLC	Ownership Ownership	100.000 100.000	TIAA Board of Governors TIAA Board of Governors	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 Governors TIAA Board of Governors	N N	
			20-8384004 46-1191235	4599490 5018671		1611288	TIAA-CREF LPHC, LLC TIAA-CREF Real Property Fund GP, LLC TIAA-CREF Individual & Institutional Services, LLC	DE DE DE	NIA NIA NIA	Teachers Insurance and Annuity Association of America TIAA-CREF LPHC, LLC Teachers Insurance and Annuity Association of America	Ownership Ownership Ownership	100.000 100.000 100.000	TIAA Board of Governors TIAA Board of Governors TIAA Board of Governors	N N N	
			55-0856733	4314349	882928			DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	

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

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			20-5591124	4314273			TIAA-CREF Redwood, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			20-5631854	4314282			TIAA Kapsick, LLC	DE	NIA	TIAA-CREF Redwood, LLC	Ownership	100.000	TIAA Board of Governors	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 Governors	N	
				4844163			UK PPP Investments, LP	GBR	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
				4848590			Wigg (Holdings) Limited	GBR	NIA	UK PPP Investments, LP	Ownership	100.000	TIAA Board of Governors	N	
				4848983			Wigg Investments Limited	GBR	NIA	Wigg (Holdings) Limited	Ownership	100.000	TIAA Board of Governors	N	
				4849739			Merseylink (Holdings) Limited	GBR	NIA	Wigg Investments Limited	Influence		TIAA Board of Governors	N	
				4852298			Merseylink (Finance) Limited	GBR	NIA	Merseylink (Holdings) Limited	Ownership	100.000	TIAA Board of Governors	N	
				4860239			Merseylink Limited	GBR	NIA	Merseylink (Finance) Limited	Ownership	100.000	TIAA Board of Governors	N	
				4858638			Merseylink (Issuer) plc	GBR	NIA	Merseylink (Finance) Limited	Ownership	100.000	TIAA Board of Governors	N	
			87-1101091				Union Property Operations NRE III LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			36-4932527				U.S. Cities Industrial Fund LP	DE	NIA	Teachers Insurance and Annuity Association of America	Management		TIAA Board of Governors	N	
			30-1108455				U.S. Cities Multifamily Fund LP	DE	NIA	Teachers Insurance and Annuity Association of America	Management		TIAA Board of Governors	N	
							U.S. Cities Office Fund LP	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			61-1914684				U.S. Cities Office Fund REIT LLC	DE	NIA	U.S. Cities Office Fund LP	Ownership	100.000	TIAA Board of Governors	N	
							U.S. Cities Office Fund Operating GP LLC	DE	NIA	U.S. Cities Office Fund REIT LLC	Ownership	100.000	TIAA Board of Governors	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 Governors	N	
							USCOF Maryland Farms Holdings LLC	DE	NIA	U.S. Cities Office Fund Operating LP	Ownership	100.000	TIAA Board of Governors	N	
			84-4775239				U.S. Cities Office Fund Maryland Farms Co-Invest	DE	NIA	USCOF Maryland Farms Holdings LLC	Ownership	51.000	TIAA Board of Governors	N	3800
							VRE-NRE Maryland Farms Venture	DE	NIA	U.S. Cities Office Fund Maryland Farms Co-Invest	Ownership	97.000	TIAA Board of Governors	N	
			87-1365205				USCOF Mobius Operating Member LLC	DE	NIA	U.S. Cities Office Fund Operating LP	Ownership	100.000	TIAA Board of Governors	N	
			85-3371600				USCOF Optical Court LLC	DE	NIA	U.S. Cities Office Fund Operating LP	Ownership	100.000	TIAA Board of Governors	N	
							U.S. Cities Retail Fund LP	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			82-4016503				U.S. Cities Retail Fund REIT LLC	DE	NIA	U.S. Cities Retail Fund LP	Ownership	100.000	TIAA Board of Governors	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 Governors	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 Governors	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 Governors	N	
							USCRF KRG JV Investor Member LLC	DE	NIA	U.S. Cities Retail Fund Operating LP	Ownership	100.000	TIAA Board of Governors	N	
			37-1904986				KRG USCRF Retail Portfolio LLC	DE	NIA	USCRF KRG JV Investor Member LLC	Ownership	100.000	TIAA Board of Governors	N	
							KRG 951 & 41, LLC	DE	NIA	KRG USCRF Retail Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
							KRG Livingston Center, LLC	DE	NIA	KRG USCRF Retail Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
							KRG-USCRF Plaza Volente, LLC	DE	NIA	KRG USCRF Retail Portfolio LLC	Ownership	100.000	TIAA Board of Governors	N	
							U.S. Core-Plus Real Estate Debt Fund LP	DE	NIA	Teachers Insurance and Annuity Association of America	Management		TIAA Board of Governors	N	
			82-3988257				CRED REIT LLC	DE	NIA	U.S. Core-Plus Real Estate Debt Fund LP	Ownership	100.000	TIAA Board of Governors	N	
			47-1938723				CRED REIT Holdco LLC	DE	NIA	CRED REIT LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-2113010				CRED Glenhardie LLC	DE	NIA	CRED REIT Holdco LLC	Ownership	100.000	TIAA Board of Governors	N	
			85-1296109				CRED HQ LLC	DE	NIA	CRED REIT Holdco LLC	Ownership	100.000	TIAA Board of Governors	N	
			86-3290456				CRED REIT Holdco Alta LLC	DE	NIA	CRED REIT Holdco LLC	Ownership	100.000	TIAA Board of Governors	N	
			87-1440716				CRED REIT Holdco Hacienda LLC	DE	NIA	CRED REIT Holdco LLC	Ownership	100.000	TIAA Board of Governors	N	
			87-0979505				CRED REIT Holdco Phoenix Industrial LLC	DE	NIA	CRED REIT Holdco LLC	Ownership	100.000	TIAA Board of Governors	N	
			83-2024014				CRED REIT Holdco Seller LLC	DE	NIA	CRED REIT Holdco LLC	Ownership	100.000	TIAA Board of Governors	N	
			81-1392434				CRED REIT Holdco TRS LLC	DE	NIA	CRED REIT Holdco LLC	Ownership	100.000	TIAA Board of Governors	N	
			86-2266688				CRED REIT Holdco Velocity LLC	DE	NIA	CRED REIT Holdco LLC	Ownership	100.000	TIAA Board of Governors	N	

STATEMENT AS OF JUNE 30, 2021 OF THE TIAA-CREF LIFE INSURANCE COMPANY

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

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			82-4800804				CRED REIT Manager LLC	DE	NIA	CRED REIT Holdco LLC	Ownership	100.000	TIAA Board of Governors	N	
			82-5347019				CRED REIT Member LP	DE	NIA	CRED REIT Holdco LLC	Ownership	100.000	TIAA Board of Governors	N	
			83-2267896				CRED Sawtelle LLC	DE	NIA	CRED REIT Holdco LLC	Ownership	100.000	TIAA Board of Governors	N	
			83-3184068				CRED Slabtown LLC	DE	NIA	CRED REIT Holdco LLC	Ownership	100.000	TIAA Board of Governors	N	
			83-4107560				CRED West Coast Industrial LLC	DE	NIA	CRED REIT Holdco LLC	Ownership	100.000	TIAA Board of Governors	N	
			84-3440905				Western A Midwest TN, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			83-1931152				Winslow Growth Capital Fund II, L.P.	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	N	
			51-0141732	4599829			WRC Properties, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors	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	Nuveen CP LLC is owned 79.2% by Nuveen CP Holdings 1 LLC and 0.8% by Nuveen CP Holdings 2 LLC.
0600	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%
0700	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%
0800	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%
0900	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%
1000	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%
1100	Clean Energy Partners HoldCo LLP is ultimately controlled and owned entirely by TIAA, with 99% owned by TIAA International Holdings 2, Ltd. and 1% owned by TIAA International Holdings 1, Ltd.
1200	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.
1300	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.
1400	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.
1500	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.
1600	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.
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 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) SCSp 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	OVG Cloud S.à r.l. (OVG) is owned by TIAA via a 25% ownership of Cityhold Propco 11 S.à r.l. (10.1% of OVG) and Cityhold Propco 12 S.à r.l. (89.9% of OVG).
2500	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.
2600	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%).
2700	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%).
2800	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%).
2900	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%).
3000	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%).
3100	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%.
3200	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.
3300	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%).
3400	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
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%.



STATEMENT AS OF JUNE 30, 2021 OF THE TIAA-CREF LIFE INSURANCE COMPANY

Asterisk	Explanation
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 .....	VIE Student House A GmbH & Co KG is controlled by TIAA, and partially owned indirectly by Eagle Austria Holdings S.à r.l., which owns 94%, and CB Kribeau Dzwei GmbH, which owns 6%. .....
3800 .....	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. ....
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, 2021 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.

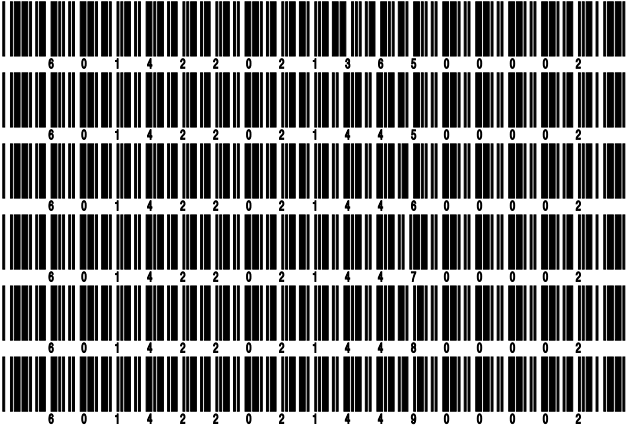
	Response
1. Will the Trusteed Surplus Statement be filed with the state of domicile and the NAIC with this statement? .....	SEE EXPLANATION
2. Will the Medicare Part D Coverage Supplement be filed with the state of domicile and the NAIC with this statement? .....	NO
3. Will the Reasonableness of Assumptions 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. ....	YES

Explanation:

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

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]



**NONE**

SCHEDULE A - VERIFICATION

Real Estate

	1 Year to Date	2 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 Year to Date	2 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 Year to Date	2 Prior Year Ended December 31
1. Book/adjusted carrying value, December 31 of prior year .....	4,666,857	4,687,634
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 .....	689	1,309
5. Unrealized valuation increase (decrease) .....		
6. Total gain (loss) on disposals .....		
7. Deduct amounts received on disposals .....		
8. Deduct amortization of premium and depreciation .....	11,473	22,086
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) .....	4,656,073	4,666,857
12. Deduct total nonadmitted amounts .....		
13. Statement value at end of current period (Line 11 minus Line 12) .....	4,656,073	4,666,857

SCHEDULE D - VERIFICATION

Bonds and Stocks

	1 Year to Date	2 Prior Year Ended December 31
1. Book/adjusted carrying value of bonds and stocks, December 31 of prior year .....	11,168,488,129	8,666,315,772
2. Cost of bonds and stocks acquired .....	1,286,619,564	3,835,682,050
3. Accrual of discount .....	2,308,288	4,379,784
4. Unrealized valuation increase (decrease) .....	1,098,808	
5. Total gain (loss) on disposals .....	8,670,071	18,492,273
6. Deduct consideration for bonds and stocks disposed of .....	633,938,220	1,351,437,627
7. Deduct amortization of premium .....	5,789,884	10,373,485
8. Total foreign exchange change in book/adjusted carrying value .....		
9. Deduct current year's other than temporary impairment recognized .....	1,047,991	915,917
10. Total investment income recognized as a result of prepayment penalties and/or acceleration fees .....	3,431,549	6,345,279
11. Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5-6-7+8-9+10) .....	11,829,840,314	11,168,488,129
12. Deduct total nonadmitted amounts .....		
13. Statement value at end of current period (Line 11 minus Line 12) .....	11,829,840,314	11,168,488,129

STATEMENT AS OF JUNE 30, 2021 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) .....	7,062,641,191	1,468,118,482	1,278,250,933	(96,390,553)	7,062,641,191	7,156,118,187		7,317,176,910
2. NAIC 2 (a) .....	4,460,214,403	205,852,842	87,417,037	97,857,845	4,460,214,403	4,676,508,053		4,096,718,119
3. NAIC 3 (a) .....	3,074,660			(3,074,660)	3,074,660			5,073,220
4. NAIC 4 (a) .....								
5. NAIC 5 (a) .....	378,156		31,037	1,989	378,156	349,108		405,640
6. NAIC 6 (a) .....								
7. Total Bonds	11,526,308,410	1,673,971,324	1,365,699,007	(1,605,379)	11,526,308,410	11,832,975,348		11,419,373,889
PREFERRED STOCK								
8. NAIC 1 .....								
9. NAIC 2 .....		8,400,000		372,960		8,772,960		
10. NAIC 3 .....								
11. NAIC 4 .....								
12. NAIC 5 .....								
13. NAIC 6 .....	2,340,379			(1,431,649)	2,340,379	908,730		182,882
14. Total Preferred Stock .....	2,340,379	8,400,000		(1,058,689)	2,340,379	9,681,690		182,882
15. Total Bonds and Preferred Stock	11,528,648,789	1,682,371,324	1,365,699,007	(2,664,068)	11,528,648,789	11,842,657,038		11,419,556,771

(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 \$ 9,500,000 ; NAIC 2 \$ 3,316,766 ; 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	3,316,766	xxx	3,394,194	51,150	

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 .....	3,385,093	
2. Cost of short-term investments acquired .....	499,918	40,956,307
3. Accrual of discount .....	33	2,458
4. Unrealized valuation increase (decrease) .....		
5. Total gain (loss) on disposals .....	21	(3,572)
6. Deduct consideration received on disposals .....	499,972	37,525,686
7. Deduct amortization of premium .....	68,327	44,414
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) .....	3,316,766	3,385,093
11. Deduct total nonadmitted amounts .....		
12. Statement value at end of current period (Line 10 minus Line 11)	3,316,766	3,385,093

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 .....	247,683,592	253,545,091
2. Cost of cash equivalents acquired .....	1,758,325,113	8,378,080,866
3. Accrual of discount .....	17,213	366,592
4. Unrealized valuation increase (decrease) .....		
5. Total gain (loss) on disposals .....	3,746	15,839
6. Deduct consideration received on disposals .....	1,996,529,664	8,384,324,796
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) .....	9,500,000	247,683,592
11. Deduct total nonadmitted amounts .....		
12. Statement value at end of current period (Line 10 minus Line 11)	9,500,000	247,683,592



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, 2021 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, NAIC Designation Modifier and SVO Administrative Symbol
38381B-E5-9	GOVERNMENT NATIONAL MORTGAGE SERIES 2019-5 CLASS ZC 3.500% 11/20/48		06/01/2021	Interest Capitalization		65,387	65,387		1.A
0599999. Subtotal - Bonds - U.S. Governments						65,387	65,387		XXX
249182-PS-9	DENVER CITY & CNTY CO ARPT REV SERIES C 2.237% 11/15/30		06/10/2021	MORGAN STANLEY & CO. INC.		13,569,381	13,325,000	24,012	1.E FE
3137BB-FB-1	FHR 4352 ZH EXCH Z SEQ 3.000% 06/15/44		06/01/2021	Interest Capitalization		103,230	103,230		1.A
3137BG-3K-3	FHR 4430 Z Z SEQ 4.000% 01/15/45		06/01/2021	Interest Capitalization		128,350	128,350		1.A
3137BN-ED-2	FHR 4565 DZ Z SEQ 3.000% 03/15/46		06/01/2021	Interest Capitalization		43,915	43,915		1.A
3137BP-Q2-8	FHR 4579 GZ Z SEQ 3.000% 05/15/46		06/01/2021	Interest Capitalization		92,416	92,416		1.A
3137BT-2L-4	FHR 4631 VZ Z SEQ 3.500% 11/15/46		06/01/2021	Interest Capitalization		43,526	43,526		1.A
3137BW-HK-3	FHR 4665 NZ Z SEQ 3.500% 02/15/47		06/01/2021	Interest Capitalization		39,743	39,743		1.A
3137FG-3N-3	FHR 4801 ZD Z SEQ 4.000% 06/15/48		06/01/2021	Interest Capitalization		114,600	114,600		1.A
64990F-E3-4	NEW YORK ST DORM AUTH ST PERSO SERIES C 2.252% 03/15/32		06/16/2021	JEFFERIES & CO. INC.		40,000,000	40,000,000		1.B FE
70869P-MH-4	PENNSYLVANIA ST ECON DEV FING 2.382% 06/15/31		04/13/2021	BARCLAYS BANK PLC		18,115,000	18,115,000		1.E FE
70869P-MX-2	PENNSYLVANIA ST ECON DEV FING 2.502% 06/15/32		04/13/2021	BARCLAYS BANK PLC		20,315,000	20,315,000		1.E FE
3199999. Subtotal - Bonds - U.S. Special Revenues						92,565,161	92,320,780	24,012	XXX
00108W-AN-0	AEP TEXAS INC 3.450% 05/15/51		05/04/2021	SCOTIA CAPITAL INC		2,816,582	2,825,000		2.A FE
00507V-AQ-2	ACTIVISION BLIZZARD 2.500% 09/15/50		05/11/2021	BNP PARIBAS		4,237,450	5,000,000	20,139	2.A FE
008513-AB-9	AGREE LP 2.000% 06/15/28		05/06/2021	Various		10,381,043	10,450,000		2.B FE
008513-AC-7	AGREE LP 2.600% 06/15/33		05/05/2021	WELLS FARGO		9,913,600	10,000,000		2.B FE
02344A-AA-6	AMCOR FLEXIBLES NORTH AM 2.690% 05/25/31		06/16/2021	BARCLAYS BANK PLC		6,084,660	6,000,000	10,312	2.B FE
03040W-AY-1	AMERICAN WATER CAPITAL C 2.300% 06/01/31		05/10/2021	JP MORGAN SECURITIES		4,984,800	5,000,000		2.A FE
04636N-AB-9	ASTRAZENECA FINANCE LLC 2.250% 05/28/31		05/25/2021	JP MORGAN SECURITIES		1,098,625	1,100,000		2.A FE
05377R-EH-3	AVIS BUDGET RENTAL CAR FUNDING SERIES 2021-1A CLASS A 144A 0.000% 08/20/27		05/11/2021	JP MORGAN SECURITIES		4,998,298	5,000,000		1.A FE
23345L-AE-9	DOLP TRUST SERIES 2021-NYC CLASS B 144A 3.228% 05/10/41		04/13/2021	BANK OF AMERICA		10,299,380	10,000,000	17,037	1.D FE
23345L-AG-4	DOLP TRUST SERIES 2021-NYC CLASS C 144A 3.530% 05/10/41		04/13/2021	BANK OF AMERICA		10,299,220	10,000,000	18,631	1.G FE
26441Y-BC-0	DUKE REALTY LP 2.875% 11/15/29		06/02/2021	BANK OF AMERICA		7,113,055	6,820,000	10,348	2.A FE
26884A-BM-4	ERP OPERATING LP 2.500% 02/15/30		06/02/2021	MIZUHO SECURITIES USA INC.		3,520,553	3,450,000	26,115	1.G FE
276480-AE-0	EASTERN GAS TRAN SERIES 144A 4.800% 11/01/43		06/24/2021	Taxable Exchange		9,092,045	7,700,000	72,893	1.G FE
29444U-BH-8	EQUINIX INC 2.150% 07/15/30		05/05/2021	SUNTRUST CAPITAL MARKETS		1,939,920	2,000,000	13,378	2.B FE
30225V-AF-4	EXTRA SPACE STORAGE LP 2.550% 06/01/31		05/05/2021	JP MORGAN SECURITIES		6,540,110	6,550,000		2.B FE
33634D-AA-2	FIVE CORNERS FND TR II SERIES 144A 2.850% 05/15/30		05/24/2021	RBC DAIN RAUSCHER INC.		8,173,656	7,850,000	6,896	1.G FE
363576-AA-7	ARTHUR J GALLAGHER & CO 2.500% 05/20/31		05/13/2021	BANK OF AMERICA		5,739,542	5,775,000		2.B FE
363576-AB-5	ARTHUR J GALLAGHER & CO 3.500% 05/20/51		05/13/2021	BANK OF AMERICA		12,820,338	12,975,000		2.B FE
37045X-DH-6	GENERAL MOTORS FINL CO 2.400% 04/10/28		04/06/2021	CITIGROUP GLOBAL MARKETS INC		9,989,100	10,000,000		2.C FE
38141G-YB-4	GOLDMAN SACHS GROUP INC 2.615% 04/22/32		04/15/2021	GOLDMAN SACHS & COMPANY		6,875,000	6,875,000		1.F FE
42806M-AE-9	HERTZ VEHICLE FINANCING LLC SERIES 2021-2A CLASS A 144A 1.680% 12/27/27		06/24/2021	DEUTSCHE BANK SECURITIES INCOR		7,698,801	7,700,000		1.A FE
431116-AD-4	HIGHMARK INC SERIES 144A 1.450% 05/10/26		05/05/2021	BANK OF AMERICA		4,993,300	5,000,000		2.B FE
50540R-AX-0	LABORATORY CORP OF AMER 1.550% 06/01/26		05/12/2021	BANK OF AMERICA		9,993,300	10,000,000		2.B FE
579780-AS-6	MCCORMICK & CO 1.850% 02/15/31		06/15/2021	BANK OF AMERICA		9,645,000	10,000,000	64,750	2.B FE
61691Y-AR-2	MORGAN STANLEY CAPITAL I TRUST SERIES 2021-L5 CLASS AS 2.951% 04/15/31		04/29/2021	MORGAN STANLEY & CO. INC.		7,724,920	7,500,000	6,148	1.A FE
61772B-AB-9	MORGAN STANLEY 1.593% 05/04/27		04/19/2021	MORGAN STANLEY & CO. INC.		9,925,000	9,925,000		1.F FE
620076-BU-2	MOTOROLA SOLUTIONS INC 2.750% 05/24/31		05/10/2021	BANK OF AMERICA		11,275,000	11,275,000		2.C FE
64952W-ED-1	NEW YORK LIFE GLOBAL FDG SERIES 144A 1.150% 06/09/26		06/02/2021	JP MORGAN SECURITIES		14,985,450	15,000,000		1.A FE
66815L-2D-0	NORTHWESTERN MUTUAL GLBL SERIES 144A 1.700% 06/01/28		05/24/2021	CITIGROUP GLOBAL MARKETS INC		11,988,960	12,000,000		1.A FE
686514-AM-2	ORLANDO HEALTH GBL GRP 2.891% 10/01/35		06/15/2021	MORGAN STANLEY & CO. INC.		5,550,945	5,390,000	32,896	1.F FE
693650-AL-7	PSMC TRUST SERIES 2021-1 CLASS A11 144A 2.500% 03/25/51		06/22/2021	WELLS FARGO		11,952,474	11,671,626	18,642	1.A FE
69376C-AC-8	PSMC TRUST SERIES 2021-2 CLASS A3 144A 2.500% 05/25/51		06/09/2021	WELLS FARGO		22,929,328	22,275,000	21,656	1.A FE
6944PL-2E-8	PACIFIC LIFE GF II SERIES 144A 1.375% 04/14/26		04/07/2021	JP MORGAN SECURITIES		9,994,700	10,000,000		1.E FE
74368C-BC-7	PROTECTIVE LIFE GLOBAL SERIES 144A 1.618% 04/15/26		04/05/2021	CITIGROUP GLOBAL MARKETS INC		15,000,000	15,000,000		1.E FE
744538-AE-9	PUB SVC NEW HAMP SERIES V 2.200% 06/15/31		06/01/2021	MIZUHO SECURITIES USA INC.		9,272,658	9,300,000		1.E FE
78449R-AA-3	SLG OFFICE TRUST SERIES 2021-OVA CLASS A 144A 2.585% 07/15/41		06/15/2021	WELLS FARGO		88,904,381	86,315,000	142,574	1.A FE
78449R-AE-5	SLG OFFICE TRUST SERIES 2021-OVA CLASS B 144A 2.707% 07/15/41		06/15/2021	WELLS FARGO		11,329,997	11,000,000	19,023	1.D FE
78486Q-AH-4	SVB FINANCIAL GROUP 2.100% 05/15/28		05/07/2021	Various		15,005,394	15,005,000		2.B FE
79588T-AD-2	SAMMONS FINANCIAL GROUP SERIES 144A 3.350% 04/16/31		04/13/2021	BANK OF AMERICA		7,981,760	8,000,000		2.A FE
808513-BR-5	CHARLES SCHWAB CORP 1.150% 05/13/26		05/11/2021	CREDIT SUISSE SECURITIES US LL		9,976,800	10,000,000		1.F FE
808513-BS-3	CHARLES SCHWAB CORP 2.300% 05/13/31		05/11/2021	CREDIT SUISSE SECURITIES US LL		9,980,500	10,000,000		1.F FE
86190B-AA-2	STORE MASTER FUNDING LLC SERIES 2021-1A CLASS A1 144A 2.120% 06/20/51		05/19/2021	CREDIT SUISSE SECURITIES US LL		3,338,818	3,340,000		1.A FE

STATEMENT AS OF JUNE 30, 2021 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, NAIC Designation Modifier and SVO Administrative Symbol
86190B-AB-0	STORE MASTER FUNDING LLC SERIES 2021-1A CLASS A2 144A 2.960% 06/20/51		05/19/2021	CREDIT SUISSE SECURITIES US LL		2,998,643	3,000,000		1.A FE
89236T-JF-3	TOYOTA MOTOR CREDIT CORP SERIES MTN 1.900% 04/06/28		04/06/2021	MIZUHO SECURITIES USA INC.		14,995,050	15,000,000		1.E FE
89838L-AH-7	TRUSTEES OF BOSTON COLL 3.042% 07/01/57		06/15/2021	BARCLAYS BANK PLC		2,710,000	2,710,000		1.D FE
907818-FU-7	UNION PACIFIC CORP 2.375% 05/20/31		05/17/2021	JP MORGAN SECURITIES		10,000,000	10,000,000		2.A FE
92343E-AM-4	VERISIGN INC 2.700% 06/15/31		05/24/2021	JP MORGAN SECURITIES		5,484,160	5,500,000		2.C FE
92538F-AA-2	VERUS SECURITIZATION TRUST SERIES 2021-2 CLASS A1 144A 1.031% 02/25/66		04/13/2021	CREDIT SUISSE SECURITIES US LL		12,499,798	12,500,000	6,802	1.A FE
92538F-AB-0	VERUS SECURITIZATION TRUST SERIES 2021-2 CLASS A2 144A 1.288% 02/25/66		04/13/2021	CREDIT SUISSE SECURITIES US LL		5,607,889	5,608,000	3,812	1.C FE
928668-BN-1	VOLKSWAGEN GROUP AMERICA SERIES 144A 1.625% 11/24/27		06/02/2021	DEUTSCHE BANK SECURITIES INCOR		4,955,250	5,000,000	2,257	2.A FE
95003C-AJ-9	WELLS FARGO COMMERCIAL MORTG SERIES 2021-C59 CLASS A5 2.626% 04/15/54		04/22/2021	WELLS FARGO		3,862,376	3,750,000	1,094	1.A FE
95003C-AN-0	WELLS FARGO COMMERCIAL MORTG SERIES 2021-C59 CLASS AS 2.883% 04/15/54		04/22/2021	WELLS FARGO		3,862,444	3,750,000	1,201	1.A FE
06368B-GS-1	BANK OF MONTREAL SUBORD 3.803% 12/15/32	A.	05/25/2021	HSBC SECURITIES USA INC		11,073,800	10,000,000	171,135	2.A FE
064159-4B-9	BANK OF NOVA SCO 2.150% 08/01/31	A.	06/21/2021	SCOTIA CAPITAL INC		14,980,800	15,000,000		1.F FE
89114T-ZD-7	TORONTO DOMINION BANK SERIES MTN 1.200% 06/03/26	A.	06/01/2021	THE TORONTO-DOMINION BANK		9,999,500	10,000,000		1.D FE
00182E-BN-8	ANZ NEW ZEALAND INTL LDN SERIES 144A 1.250% 06/22/26	D.	06/15/2021	BANK OF AMERICA		14,976,750	15,000,000		1.E FE
09659W-2P-8	BNP PARIBAS SERIES 144A 2.871% 04/19/32	D.	04/12/2021	BNP PARIBAS		6,100,000	6,100,000		1.G FE
225401-AU-2	CREDIT SUISSE GROUP AG SERIES 144A 3.091% 05/14/32	D.	05/10/2021	CREDIT SUISSE SECURITIES US LL		5,900,000	5,900,000		2.A FE
251526-CK-3	DEUTSCHE BANK NY 3.035% 05/28/32	D.	05/25/2021	DEUTSCHE BANK SECURITIES INCOR		8,500,000	8,500,000		2.C FE
55607P-AG-0	MACQUARIE GROUP LTD SERIES 144A 2.691% 06/23/32	D.	06/15/2021	JP MORGAN SECURITIES		3,750,000	3,750,000		1.G FE
62954H-AF-5	NXP BV NXP FDG NXP USA SERIES 144A 3.250% 05/11/41	D.	06/14/2021	JP MORGAN SECURITIES		1,526,655	1,500,000	4,740	2.C FE
67576P-AQ-0	OCTAGON INVESTMENT PARTNERS SERIES 2019-3A CLASS BR 144A 1.834% 07/15/34	D.	06/17/2021	CITIGROUP GLOBAL MARKETS INC		10,000,000	10,000,000		1.G FE
83368R-BG-5	SOCIETE GENERALE SERIES 144A 1.792% 06/09/27	D.	06/02/2021	SG AMERICAS SECURITIES LLC		6,675,000	6,675,000		2.B FE
83368R-BD-3	SOCIETE GENERALE SERIES 144A 2.889% 06/09/32	D.	06/02/2021	SG AMERICAS SECURITIES LLC		11,800,000	11,800,000		2.B FE
902674-YH-7	UBS AG LONDON SERIES 144A 1.250% 06/01/26	D.	05/24/2021	U.S. BANCORP LIBRA		9,961,400	10,000,000		1.D FE
961214-EQ-2	WESTPAC BANKING CORP 2.963% 11/16/40	D.	06/03/2021	BANK OF AMERICA		4,735,400	5,000,000	8,642	2.A FE
961214-ER-0	WESTPAC BANKING CORP 1.150% 06/03/26	D.	05/25/2021	MORGAN STANLEY & CO. INC.		4,996,150	5,000,000		1.D FE
961214-ET-6	WESTPAC BANKING CORP 2.150% 06/03/31	D.	05/25/2021	MORGAN STANLEY & CO. INC.		3,697,669	3,700,000		1.D FE
BP2652-4S-4	NBN CO LTD SERIES 144A 2.625% 05/05/31	D.	04/26/2021	BANK OF AMERICA		15,991,680	16,000,000		1.C FE
3899999. Subtotal - Bonds - Industrial and Miscellaneous (Unaffiliated)						658,004,877	651,804,626	701,061	XXX
8399997. Total - Bonds - Part 3						750,635,425	744,190,793	725,073	XXX
8399998. Total - Bonds - Part 5						XXX	XXX	XXX	XXX
8399999. Total - Bonds						750,635,425	744,190,793	725,073	XXX
37959E-30-0	GLOBE LIFE INC		06/09/2021	BOFA SECURITIES INC	336,000,000	8,400,000	0.00		2.B FE
8499999. Subtotal - Preferred Stocks - Industrial and Miscellaneous (Unaffiliated) Perpetual Preferred						8,400,000	XXX		XXX
8999997. Total - Preferred Stocks - Part 3						8,400,000	XXX		XXX
8999998. Total - Preferred Stocks - Part 5						XXX	XXX	XXX	XXX
8999999. Total - Preferred Stocks						8,400,000	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						8,400,000	XXX		XXX
9999999 - Totals						759,035,425	XXX	725,073	XXX

STATEMENT AS OF JUNE 30, 2021 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 Ident- ification	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, NAIC Desig- nation Modifier and SVO Admini- strative Symbol
29766D-AF-1	ETHIOPIAN LEASING 2012 US GOVT GUARANT 2.648% 05/12/26		05/12/2021	Redemption 100.0000		548,194	548,194	548,194	548,194						548,194				7,253	05/12/2026	1.A
29766D-AG-9	ETHIOPIAN LEASING 2012 US GOVT GUARANT 2.566% 08/14/26		05/14/2021	Redemption 100.0000		220,553	220,553	220,553	220,553						220,553				2,830	08/14/2026	1.A
30217T-AA-0	EXPORT LEASE TEN CO LLC US GOVT GUARANT 1.650% 05/07/25		05/07/2021	Redemption 100.0000		85,878	85,878	82,235	84,309		1,569		1,569		85,878				709	05/07/2025	1.A
361744-PJ-1	GN A04025 3.700% 10/15/33		06/01/2021	Paydown		118,036	118,036	121,577	120,588		(2,552)		(2,552)		118,036				1,821	10/15/2033	1.A
361708-L6-7	GNMA POOL BX3949 1.730% 07/15/37		06/01/2021	Paydown		378,560	378,560	379,033	379,019		(459)		(459)		378,560				2,729	07/15/2037	1.A
36170U-LJ-0	GNMA POOL BZ0329 1.650% 07/15/42		06/01/2021	Paydown		304,004	304,004	304,099	304,098		(94)		(94)		304,004				2,090	07/15/2042	1.A
36181R-5Z-4	GN AF9864 4.250% 09/15/38		06/01/2021	Paydown		321,838	321,838	351,621	350,850		(29,012)		(29,012)		321,838				5,702	09/15/2038	1.A
367333-AD-3	GATE CAPITAL CAYMAN TWO US GOVT GUARANT 2.637% 12/02/21		06/02/2021	Redemption 100.0000		316,620	316,620	316,620	316,620						316,620				4,175	12/02/2021	1.A
49549C-AA-6	KING INTL LEASING LLC US GOVT GUARANT 2.754% 10/15/22		04/15/2021	Redemption 100.0000		197,902	197,902	197,902	197,902						197,902				2,725	10/15/2022	1.A
59280P-AA-9	MEXICAN AIR FINANCE IV US GOVT GUARANT 2.537% 07/13/25		04/13/2021	Redemption 100.0000		324,632	324,632	324,632	324,632						324,632				4,118	07/13/2025	1.A
690353-SQ-1	OVERSEAS PRIVATE INV COR US GOVT GUARANT 3.430% 05/15/30		05/15/2021	Redemption 100.0000		67,500	67,500	67,500	67,500						67,500				1,158	05/15/2030	1.A
690353-VQ-7	OVERSEAS PRIVATE INV COR US GOVT GUARANT 2.610% 04/15/30		04/15/2021	Redemption 100.0000		246,324	246,324	246,324	246,324						246,324				3,215	04/15/2030	1.A
690353-XM-4	OVERSEAS PRIVATE INV COR US GOVT GUARANT 3.590% 12/15/30		06/15/2021	Redemption 100.0000		35,714	35,714	35,714	35,714						35,714				641	12/15/2030	1.A
690353-XN-2	OVERSEAS PRIVATE INV COR US GOVT GUARANT 3.540% 06/15/30		06/15/2021	Redemption 100.0000		124,997	124,997	124,997	124,997						124,997				2,212	06/15/2030	1.A
690353-XR-3	OVERSEAS PRIVATE INV COR US GOVT GUARANT 3.938% 12/20/32		06/20/2021	Redemption 100.0000		85,730	85,730	85,730	85,730						85,730				1,688	12/20/2032	1.A
71654Q-BC-5	PETROLEOS MEXICANOS US GOVT GUARANT 2.000% 12/20/22		06/20/2021	Redemption 100.0000		665,000	665,000	667,062	665,463		(463)		(463)		665,000				6,650	12/20/2022	1.A
71654Q-BS-0	PETROLEOS MEXICANOS US GOVT GUARANT 0.534% 04/15/25		04/15/2021	Redemption 100.0000		125,000	125,000	123,125	124,194		806		806		125,000				372	04/15/2025	1.A
746388-AA-5	PURPLE CHEN 2011 LLC US GOVT GUARANT 2.735% 08/01/23		05/01/2021	Redemption 100.0000		584,082	584,082	584,082	584,082						584,082				7,987	08/01/2023	1.A
797224-AB-8	SAN CLEMENTE LEASING LLC US GOVT GUARANT 3.350% 06/07/22		06/07/2021	Redemption 100.0000		100,381	100,381	100,381	100,381						100,381				1,681	06/07/2022	1.A
797224-AC-6	SAN CLEMENTE LEASING LLC US GOVT GUARANT 3.030% 11/22/22		05/22/2021	Redemption 100.0000		158,982	158,982	158,982	158,982						158,982				2,409	11/22/2022	1.A
79977T-AA-7	SANDALWOOD 2013 LLC US GOVT GUARANT 2.836% 07/10/25		04/10/2021	Redemption 100.0000		382,628	382,628	382,628	382,628						382,628				5,426	07/10/2025	1.A
79977T-AB-5	SANDALWOOD 2013 LLC US GOVT GUARANT 2.897% 07/10/25		04/10/2021	Redemption 100.0000		337,613	337,613	337,613	337,613						337,613				4,890	07/10/2025	1.A
805649-AA-8	SAYARRA LTD US GOVT GUARANT 2.774% 10/29/21		04/29/2021	Redemption 100.0000		267,684	267,684	267,684	267,684						267,684				3,713	10/29/2021	1.A
876780-AA-5	TAYARRA LTD US GOVT GUARANT 3.628% 02/15/22		05/15/2021	Redemption 100.0000		126,604	126,604	126,604	126,604						126,604				2,297	02/15/2022	1.A
89609G-AA-0	TRICAHUE LEASING LLC US GOVT GUARANT 3.503% 11/19/21		05/19/2021	Redemption 100.0000		124,030	124,030	124,030	124,030						124,030				2,172	11/19/2021	1.A
89609G-AB-8	TRICAHUE LEASING LLC US GOVT GUARANT 3.744% 02/26/22		05/26/2021	Redemption 100.0000		93,702	93,702	93,702	93,702						93,702				1,754	02/26/2022	1.A
90373R-AA-8	ULANI MSN 35940 LLC US GOVT GUARANT 2.227% 05/16/25		05/16/2021	Redemption 100.0000		208,333	208,333	208,333	208,333						208,333				2,320	05/16/2025	1.A
92242V-AB-2	VOK LEASE SA US GOVT GUARANT 2.591% 07/24/26		04/24/2021	Redemption 100.0000		442,891	442,891	442,891	442,891						442,891				5,738	07/24/2026	1.A
98913L-AB-9	ZARAPI TO LEASING LLC US GOVT GUARANT 2.628% 11/12/26		05/12/2021	Redemption 100.0000		209,518	209,518	209,518	209,518						209,518				2,753	11/12/2026	1.A

STATEMENT AS OF JUNE 30, 2021 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, NAIC Desig- nation Modifier and SVO Admini- strative Symbol
0599999	Subtotal - Bonds - U.S. Governments					7,202,930	7,202,930	7,233,366	7,233,135				(30,205)		7,202,930				93,228	XXX	XXX
14440P-AA-1	CARPINTERO FINANCE LTD GOVT GTD. 2.004% 09/18/24	D	06/18/2021	Redemption 100.0000		228,655	228,655	228,655	214,947				13,708		228,655				2,291	09/18/2024	1.A
1099999	Subtotal - Bonds - All Other Governments					228,655	228,655	228,655	214,947				13,708		228,655				2,291	XXX	XXX
3133KY-SV-2	FHLMC POOL RB5032 2.500% 02/01/40		06/01/2021	Paydown		2,679,629	2,679,629	2,729,872	2,727,578			(47,949)	(47,949)		2,679,629				26,531	02/01/2040	1.A
31359U-PG-4	FNW 1998-W2 B1 SUB 6.500% 06/25/28		06/01/2021	Paydown		28,767	28,767	27,536	28,039			728	728		28,767				772	06/25/2028	1.A
31359U-PH-2	FNW 1998-W2 B2 SUB 6.500% 06/25/28		06/01/2021	Paydown		28,767	28,767	27,113	27,806			961	961		28,767				772	06/25/2028	1.A
3136A1-T3-9	FNR 2011-115 MB PAC-11 2.500% 11/25/26		06/01/2021	Paydown		406,748	406,748	413,104	410,452			(3,703)	(3,703)		406,748				4,241	11/25/2026	1.A
3136AA-A2-1	FNR 2012-133 NA PAC-11 1.500% 05/25/42		06/01/2021	Paydown		283,330	283,330	282,710	282,789			542	542		283,330				1,767	05/25/2042	1.A
	FNR 2012-138 QA EXCH PAC-11 2.000% 11/25/42																				
3136AA-FR-1			06/01/2021	Paydown		470,985	470,985	480,920	479,215			(8,231)	(8,231)		470,985				3,915	11/25/2042	1.A
3136AG-JV-5	FNR 2013-94 CA EXCH SEQ 3.500% 08/25/38		06/01/2021	Paydown		767,827	767,827	799,920	772,963			(5,136)	(5,136)		767,827				10,872	08/25/2038	1.A
3136AS-5M-4	FNR 2016-53 GA SEQ 3.500% 12/25/43		06/01/2021	Paydown		494,086	494,086	524,232	510,920			(16,834)	(16,834)		494,086				7,130	12/25/2043	1.A
3136AS-OR-0	FNR 2016-37 MJ EXCH SEQ 3.500% 08/25/43		06/01/2021	Paydown		416,998	416,998	441,627	429,425			(12,427)	(12,427)		416,998				6,074	08/25/2043	1.A
	FNR 2017-67 BN EXCH AD SEQ 3.000% 02/25/44																				
3136AX-M2-8			06/01/2021	Paydown		401,519	401,519	409,863	408,256			(6,737)	(6,737)		401,519				4,507	02/25/2044	1.A
3136AX-TU-9	FNR 2017-62 AB EXCH PAC 3.000% 08/25/45		06/01/2021	Paydown		1,521,782	1,521,782	1,560,302	1,551,625			(29,844)	(29,844)		1,521,782				18,685	08/25/2045	1.A
3136B2-XP-2	FNR 2018-58 P AD PAC 4.000% 12/25/44		06/01/2021	Paydown		1,209,184	1,209,184	1,245,837	1,240,859			(31,675)	(31,675)		1,209,184				20,054	12/25/2044	1.A
3136B3-EW-6	FNR 2018-78 ZB Z 4.000% 10/25/48		06/01/2021	Paydown		1,759,984	1,759,984	1,733,106	1,739,611			20,373	20,373		1,759,984				12,572	10/25/2048	1.A
	Redemption 100.0000																				
3136B7-3Z-2	FANNIE MAE FANNIE MAE 3.500% 11/01/49		06/01/2021			232,145	232,145	240,270	239,577			(7,432)	(7,432)		232,145				3,408	11/01/2049	1.A
3137AG-R3-6	FHR 3935 GA EXCH PAC-11 3.000% 10/15/26		06/01/2021	Paydown		247,369	247,369	257,844	253,813			(6,444)	(6,444)		247,369				3,070	10/15/2026	1.A
3137AG-UM-0	FHR 3940 CB SCH-11 3.000% 01/15/25		06/01/2021	Paydown		353,676	353,676	368,376	361,924			(8,247)	(8,247)		353,676				4,458	01/15/2025	1.A
3137AJ-CP-7	FHR 3958 PA PAC-11 3.000% 11/15/26		06/01/2021	Paydown		267,539	267,539	278,815	274,721			(7,182)	(7,182)		267,539				3,544	11/15/2026	1.A
3137BA-06-6	FHR 4323 CA EXCH SEQ 4.000% 03/15/40		06/01/2021	Paydown		1,471,098	1,471,098	1,556,606	1,501,941			(30,843)	(30,843)		1,471,098				24,721	03/15/2040	1.A
3137BM-ZE-9	FHR 4550 GA SEQ 3.000% 10/15/41		06/01/2021	Paydown		1,554,843	1,554,843	1,616,794	1,578,158			(23,315)	(23,315)		1,554,843				18,823	10/15/2041	1.A
3137BN-E8-3	FHR 4565 DM EXCH SEQ 3.000% 02/15/42		06/01/2021	Paydown		850,455	850,455	881,284	865,433			(14,978)	(14,978)		850,455				10,309	02/15/2042	1.A
3137BR-E3-5	FHR 4607 A EXCH SEQ 3.000% 11/15/40		06/01/2021	Paydown		776,179	776,179	806,256	787,957			(11,778)	(11,778)		776,179				9,388	11/15/2040	1.A
3137BS-DP-5	FHR 4622 GA SEQ 3.000% 05/15/41		06/01/2021	Paydown		660,987	660,987	675,859	667,851			(6,864)	(6,864)		660,987				7,950	05/15/2041	1.A
3137BS-DS-9	FHR 4622 HA SEQ 3.000% 11/15/43		06/01/2021	Paydown		660,910	660,910	691,891	679,432			(18,521)	(18,521)		660,910				8,093	11/15/2043	1.A
3137BS-E7-4	FHR 4622 JA SEQ 3.000% 12/15/42		06/01/2021	Paydown		737,902	737,902	768,801	756,619			(18,717)	(18,717)		737,902				8,875	12/15/2042	1.A
3137BS-UB-7	FHR 4628 BA EXCH SEQ 3.000% 05/15/41		06/01/2021	Paydown		710,700	710,700	724,026	716,363			(5,663)	(5,663)		710,700				8,548	05/15/2041	1.A
3137BW-2C-7	FHR 4671 CA EXCH SEQ 3.500% 08/15/43		06/01/2021	Paydown		286,853	286,853	297,162	292,824			(5,971)	(5,971)		286,853				4,123	08/15/2043	1.A
3137BX-CX-8	FHR 4673 KA EXCH SEQ 3.500% 08/15/42		06/01/2021	Paydown		1,926,247	1,926,247	1,994,869	1,956,881			(30,635)	(30,635)		1,926,247				27,254	08/15/2042	1.A
3137F1-4B-1	FHR 4690 QA EXCH SEQ 3.500% 05/15/44		06/01/2021	Paydown		1,103,414	1,103,414	1,136,517	1,124,421			(21,007)	(21,007)		1,103,414				15,514	05/15/2044	1.A
3137F1-5E-4	FHR 4690 WA EXCH SEQ 3.500% 12/15/43		06/01/2021	Paydown		2,246,606	2,246,606	2,321,025	2,293,295			(46,688)	(46,688)		2,246,606				31,473	12/15/2043	1.A
3137F3-QV-9	FHR 4764 DA EXCH SEQ 4.000% 07/15/45		06/01/2021	Paydown		1,110,432	1,110,432	1,136,458	1,129,181			(18,749)	(18,749)		1,110,432				18,065	07/15/2045	1.A
3137F4-0B-5	FHR 4778 BA EXCH SEQ 4.000% 09/15/45		06/01/2021	Paydown		1,099,830	1,099,830	1,125,951	1,117,073			(17,243)	(17,243)		1,099,830				17,901	09/15/2045	1.A
3137F4-S7-8	FHR 4776 WA EXCH SEQ 4.000% 07/15/45		06/01/2021	Paydown		764,171	764,171	781,842	776,654			(12,483)	(12,483)		764,171				12,350	07/15/2045	1.A
3137FA-E7-9	FHR 4708 B EXCH SEQ 3.500% 10/15/44		06/01/2021	Paydown		1,771,215	1,771,215	1,833,761	1,812,783			(41,567)	(41,567)		1,771,215				25,104	10/15/2044	1.A
3137FB-D3-7	FHR 4728 A EXCH SEQ 3.500% 02/15/45		06/01/2021	Paydown		1,074,301	1,074,301	1,111,020	1,099,554			(25,253)	(25,253)		1,074,301				15,227	02/15/2045	1.A
3137FB-HU-3	FHR 4725 QT EXCH SEQ 3.500% 01/15/45		06/01/2021	Paydown		1,798,494	1,798,494	1,858,771	1,840,592			(42,099)	(42,099)		1,798,494				25,491	01/15/2045	1.A
3137FC-S9-6	FHR 4749 GA SEQ 3.500% 10/15/44		06/01/2021	Paydown		783,414	783,414	795,777	791,774			(8,360)	(8,360)		783,414				11,050	10/15/2044	1.A
3137FD-GW-7	FHR 4748 YA EXCH SEQ 3.500% 09/15/44		06/01/2021	Paydown		1,606,519	1,606,519	1,644,172	1,630,603			(24,084)	(24,084)		1,606,519				22,742	09/15/2044	1.A
3137FG-NC-5	FHR 4809 JY EXCH SEQ 4.500% 05/15/48		06/01/2021	Paydown		860,369	860,369	907,017	891,902			(31,534)	(31,534)		860,369				18,800	05/15/2048	1.A
3137FG-SK-2	FHR 4814 BA EXCH SC PT 4.500% 07/15/48		06/01/2021	Paydown		854,212	854,212	883,042	871,851			(17,639)	(17,639)		854,212				17,295	07/15/2048	1.A
3138EL-N8-2	FNMA AL4014 3.500% 07/01/43		06/01/2021	Paydown		353,832	353,832	377,882	376,237			(22,405)	(22,405)		353,832				5,069	07/01/2043	1.A
31392J-LN-7	FNR 2003-15 PG PAC-11 5.500% 03/25/33		06/01/2021	Paydown		29,420	29,420	28,832	28,832				588		29,420				887	03/25/2033	1.A
31394B-WK-6	FNR 2004-96 QD PAC-11 5.500% 12/25/34		06/01/2021	Paydown		159,697	159,697	157,301	158,733				964		159,697				4,000	12/25/2034	1.A
31394Y-2B-9	FHR 2800 DZ Z SEQ 5.500% 05/15/34		06/01/2021	Paydown		32,633	32,633	27,218	30,565			2,068	2,068		32,633				647	05/15/2034	1.A
31395D-CQ-0	FNR 2006-41 ZV Z SEQ 6.000% 05/25/36		06/01/2021	Paydown		170,097	170,097	166,563	168,489			1,609	1,609		170,097				4,066	05/25/2036	1.A
31395E-RK-5	FHR 2840 ZH Z SEQ 5.000% 08/15/34		06/01/2021	Paydown		39,175	39,175	33,103	37,321			1,854	1,854		39,175				862	08/15/2034	1.A
31395N-GE-1	FNR 2006-45 AN SEQ 6.000% 06/25/26		06/01/2021	Paydown		73,970	73,970	73,253	73,481				488		73,970				1,844	06/25/2026	1.A
31396G-L8-2	FHR 3101 PE PAC-1-11 5.500% 01/15/36		06/01/2021	Paydown		192,819	192,819	189,956	191,336			1,483	1,483		192,819				4,605	01/15/2036	1.A

STATEMENT AS OF JUNE 30, 2021 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 Ident-ification	Description	For-foreign	Disposal Date	Name of Purchaser	Number of Shares of Stock	Consideration	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, NAIC Desig-nation Modifier and SVO Admini-strative Symbol
31397E-W5-0	FHR 3280 ME PAC-1-11 5.500% 02/15/37		06/01/2021	Paydown		165,292	165,292	163,149	164,494		798		798		165,292				3,779	02/15/2037	1.A
31397J-MR-2	FHR 3341 B SEQ 6.000% 07/15/37		06/01/2021	Paydown		8,582	8,582	8,193	8,266		316		316		8,582				175	07/15/2037	1.A
31397U-RC-5	FNR 2011-53 TN EXCH PT 4.000% 06/25/41		06/01/2021	Paydown		454,075	454,075	478,770	476,482		(22,407)		(22,407)		454,075				7,478	06/25/2041	1.A
3140J9-YB-1	FNMA BMS205 4.000% 06/01/45		06/01/2021	Paydown		1,364,029	1,364,029	1,414,967	1,412,646		(48,617)		(48,617)		1,364,029				21,217	06/01/2045	1.A
31418D-FN-7	FNMA POOL MA3772 3.500% 09/01/39		06/01/2021	Paydown		1,093,976	1,093,976	1,134,145	1,132,235		(38,260)		(38,260)		1,093,976				15,758	09/01/2039	1.A
31418D-GJ-5	FNMA POOL MA3800 3.000% 10/01/39		06/01/2021	Paydown		1,224,657	1,224,657	1,255,273	1,253,777		(29,120)		(29,120)		1,224,657				14,604	10/01/2039	1.A
31418D-HJ-4	FNMA POOL MA3832 3.500% 11/01/39		06/01/2021	Paydown		1,453,248	1,453,248	1,510,470	1,508,255		(55,007)		(55,007)		1,453,248				20,504	11/01/2039	1.A
31418D-JP-8	FNMA POOL MA3869 3.500% 12/01/39		06/01/2021	Paydown		1,322,984	1,322,984	1,376,730	1,374,343		(51,359)		(51,359)		1,322,984				18,407	12/01/2039	1.A
31418D-LP-5	FNMA POOL MA3933 2.500% 02/01/40		06/01/2021	Paydown		2,398,535	2,398,535	2,433,014	2,431,427		(32,892)		(32,892)		2,398,535				23,943	02/01/2040	1.A
31418D-MP-4	FNMA POOL MA3965 2.500% 03/01/40		06/01/2021	Paydown		2,680,157	2,680,157	2,716,172	2,714,372		(34,215)		(34,215)		2,680,157				26,284	03/01/2040	1.A
31418D-P4-8	FNMA POOL MA4042 2.000% 06/01/35		06/01/2021	Paydown		1,728,259	1,728,259	1,781,727	1,779,995		(51,736)		(51,736)		1,728,259				13,798	06/01/2035	1.A
31418D-Q2-1	FNMA POOL MA4072 2.500% 07/01/40		06/01/2021	Paydown		2,465,016	2,465,016	2,561,690	2,559,404		(94,389)		(94,389)		2,465,016				24,572	07/01/2040	1.A
31418D-Q4-7	FNMA POOL MA4074 2.000% 07/01/35		06/01/2021	Paydown		1,826,275	1,826,275	1,882,776	1,880,999		(54,724)		(54,724)		1,826,275				14,636	07/01/2035	1.A
31418D-QG-0	FNMA POOL MA4054 2.500% 06/01/40		06/01/2021	Paydown		2,379,583	2,379,583	2,472,907	2,470,629		(91,046)		(91,046)		2,379,583				23,586	06/01/2040	1.A
31418D-TJ-1	FNMA POOL MA4152 2.000% 09/01/40		06/01/2021	Paydown		1,203,818	1,203,818	1,246,248	1,245,709		(41,891)		(41,891)		1,203,818				9,539	09/01/2040	1.A
31418D-US-9	FNMA POOL MA4203 2.500% 11/01/40		06/01/2021	Paydown		996,625	996,625	1,043,427	1,043,110		(46,485)		(46,485)		996,625				10,450	11/01/2040	1.A
31418D-UA-8	FNMA POOL MA4176 2.000% 10/01/40		06/01/2021	Paydown		980,560	980,560	1,015,493	1,015,055		(34,495)		(34,495)		980,560				8,013	10/01/2040	1.A
645916-TV-9	NEW JERSEY ST ECON DEV AUTH New Jersey Economic Devel 5.8 5.800% 04/01/25		04/01/2021	Call	100.0000	365,000	365,000	378,914	369,430		(229)		(229)		369,200		(4,200)	(4,200)	10,585	04/01/2025	2.A FE
3199999	Subtotal - Bonds - U.S. Special Revenues					61,441,800	61,441,800	63,297,980	62,828,337		(1,382,337)		(1,382,337)		61,446,000		(4,200)	(4,200)	780,576	XXX	XXX
037833-AR-1	APPLE INC SR UNSEC 2.850% 05/06/21		05/06/2021	Maturity		4,500,000	4,500,000	4,488,930	4,499,402		598		598		4,500,000				64,125	05/06/2021	1.B FE
048303-CE-9	ATLANTIC CITY ELECTRIC 1ST MORTG 4.350% 04/01/21		04/01/2021	Maturity		2,500,000	2,500,000	2,496,200	2,499,885		115		115		2,500,000				54,375	04/01/2021	1.F FE
049560-AN-5	ATMOS ENERGY CORP SR UNSEC 3.000% 06/15/27		06/15/2021	Paydown		4,991,317	4,991,317	5,000,000	4,990,692		625		625		4,991,317		392,983	392,983	78,333	06/15/2027	1.E FE
05607U-AA-7	BANK OF AMERICA CORP SR UNSEC 2.625% 04/19/21		06/02/2021	Paydown		153,417	153,417	153,378	153,386		31		31		153,417				2,408	02/02/2034	1.A FE
06051G-FW-4	CAPITAL AUTOMOTIVE REIT SERIES 2020-1A CLASS A2 144A 3.030% 02/15/50		04/19/2021	Maturity		3,000,000	3,000,000	2,999,310	2,999,957		43		43		3,000,000				39,375	04/19/2021	1.G FE
12510H-AB-6	CARDINAL HEALTH INC SR UNSEC 2.616% 06/15/22		06/15/2021	Paydown		41,734	41,734	41,727	41,728		6		6		41,734				529	02/15/2050	1.A FE
14149Y-BF-4	CAPITAL AUTOMOTIVE LP SERIES 2020-1A CLASS A1 144A 2.010% 12/15/50		06/15/2021	Call	102.1900	1,083,214	1,060,000	1,060,000	1,060,000						1,060,000				37,079	06/15/2022	2.B FE
14576A-AA-0	CNP 2012-1 A3 SEQ 3.028% 10/15/25		06/15/2021	Paydown		15,000	15,000	14,994	14,994		6		6		15,000				126	12/15/2050	1.A FE
15200W-AC-9	CCCIT 2014-A5 A5 SB 2.680% 06/07/23		04/15/2021	Paydown		945,240	945,240	949,320	946,988		(1,748)		(1,748)		945,240				14,312	10/15/2025	1.A FE
17305E-FR-1	CITIBANK NA SR UNSEC 3.400% 07/23/21		06/07/2021	Paydown		2,850,000	2,850,000	2,915,117	2,861,296		(11,296)		(11,296)		2,850,000				38,190	06/07/2023	1.A FE
17325F-AQ-1	CITIZENS FINANCIAL GROUP SR UNSEC 2.375% 07/28/21		06/23/2021	Call	100.0000	5,000,000	5,000,000	4,994,500	4,998,931		910		910		4,999,842		158	158	155,833	07/23/2021	1.E FE
174610-AN-5	CMRS 2014-A A2 SEQ 2.962% 11/01/25		07/28/2021	Call	100.0000	2,100,000	2,100,000	2,098,908	2,099,868		113		113		2,099,981		19	19	45,719	07/28/2021	2.A FE
210717-AB-0	DBUS 2011-LC2A A4 SEQ 4.537% 07/10/44		05/01/2021	Paydown		143,797	143,797	147,279	145,445		(1,648)		(1,648)		143,797				2,130	11/01/2025	1.A FE
23305X-AD-3	DROT 2019-1A A SEQ 2.890% 02/20/32		05/01/2021	Paydown		95,775	95,775	96,037	96,003		(228)		(228)		95,775				91,010	07/10/2044	1.D FM
252722-AA-1	DROT 2018-1 A SEQ 3.700% 01/21/31		06/20/2021	Paydown		273,464	273,464	273,462	273,462		3		3		273,464				1,150	02/20/2032	1.A FE
252724-AA-7	DOMINION ENERGY GAS HLDG SR UNSEC 4.800% 11/01/43		06/20/2021	Paydown		5,000,000	5,000,000	4,998,618	4,999,916		84		84		5,000,000				4,187	01/21/2031	1.A FE
254683-BU-8	DOMINION ENERGY GAS HLDG SR UNSEC 4.800% 11/01/43		04/15/2021	Paydown		9,099,745	7,700,000	7,682,564	7,685,105		193		193		7,685,297		1,414,447	1,414,447	30,833	10/16/2023	1.A FE
257375-AF-2	DOMINION ENERGY INC JR SUBORDINATED 2.715% 08/15/21		06/24/2021	Taxable Exchange															257,693	11/01/2043	2.A FE
25746U-DA-4	FCITL 2019-1A A SEQ 3.630% 02/18/31		06/21/2021	Paydown		2,860,146	2,850,000	2,850,684	2,853,243		(2,478)		(2,478)		2,850,785		9,381	9,381	66,201	08/15/2021	2.B FE
30259M-AA-4	FIDELITY NATIONAL INFORM CO GUARNT 3.500% 04/15/23		06/15/2021	Paydown		194,526	194,526	194,493	194,502		24		24		194,526				2,942	02/18/2031	1.A FE
31428X-BC-9	FEDEX CORP CO GUARNT 3.200% 02/01/25		05/20/2021	Call	109.7420	8,806,793	8,025,000	8,012,561	8,019,527		2,093		2,093		8,021,621		3,379	3,379	987,947	02/01/2025	2.B FE
31620M-AK-2	FIDELITY NATIONAL INFORM SR UNSEC 3.000% 08/15/26		04/01/2021	Call	106.2044	2,519,169	2,372,000	2,353,214	2,367,100		510		510		2,367,610		4,390	4,390	185,451	04/15/2023	2.B FE
31620M-AT-3	FIDELITY NATIONAL INFORM SR UNSEC 3.000% 08/15/26		04/01/2021	Call	109.4920	12,317,845	11,250,000	11,063,038	11,128,380		4,890		4,890		11,133,270		116,730	116,730	1,279,720	08/15/2026	2.B FE

STATEMENT AS OF JUNE 30, 2021 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, NAIC Desig- nation Modifier and SVO Admini- strative Symbol
34531B-AA-0	FORD 2016-2 A SEQ 2.030% 12/15/27 GENERAL MILLS INC SR UNSEC 3.200% 04/16/21		06/15/2021	Paydown		7,500,000	7,500,000	7,547,754	7,510,392		(10,392)		(10,392)		7,500,000				76,125	12/15/2027	1.A FE
370334-CD-4	GENERAL MOTORS FINL CO CO.GUARNT 3.200%		04/16/2021	Maturity		1,200,000	1,200,000	1,199,832	1,199,983			.17	.17		1,200,000				19,200	04/16/2021	2.B FE
37045X-BM-7	GENERAL MOTORS FINL CO CO.GUARNT 3.550%		06/06/2021	Call 100.0000		4,325,000	4,325,000	4,317,085	4,324,128		.731		.731		4,324,859		.141	.141	126,867	07/06/2021	2.C FE
37045X-CJ-3	GENERAL MOTORS FINL CO CO.GUARNT 3.550%		04/09/2021	Maturity		5,000,000	5,000,000	4,998,050	4,999,817		.183		.183		5,000,000				88,750	04/09/2021	2.C FE
42217K-BA-3	WELLTOWER INC SR UNSEC 3.750% 03/15/23		04/15/2021	Call 106.3280		2,140,383	2,013,000	2,049,999	2,026,452		(1,903)		(1,903)		2,024,549		(11,549)	(11,549)	171,417	03/15/2023	2.A FE
42770L-AA-1	HERO 2015-1A A SEQ 3.840% 09/21/40		06/20/2021	Paydown		117,393	117,393	117,340	117,369		.24		.24		117,393				2,383	09/21/2040	1.A FE
42771A-AA-4	HERO 2017-3A A1 SEQ 3.190% 09/20/48		06/20/2021	Paydown		160,597	160,597	160,543	160,549		.48		.48		160,597				2,702	09/20/2048	1.A FE
42771L-AB-8	HERO 2017-2A A1 SEQ 3.280% 09/20/48		06/20/2021	Paydown		84,986	84,986	84,975	84,976		.9		.9		84,986				1,469	09/20/2048	1.A FE
431116-AB-8	HIGHMARK INC SR UNSEC 4.750% 05/15/21 HIGHWOODS REALTY LP SR UNSEC 3.200%		05/15/2021	Maturity		1,000,000	1,000,000	1,003,566	1,000,231		(231)		(231)		1,000,000				23,750	05/15/2021	1.G FE
431282-AN-2	HGVT 2018-AA A SEQ 3.540% 02/25/32		04/15/2021	Call 100.0000		7,776,000	7,776,000	7,636,025	7,764,039		7,539		7,539		7,771,578		4,422	4,422	82,944	06/15/2021	2.B FE
43284B-AA-0	JPMIT 2017-2 A5 EXCH AFC SEQ SSNR 3.500%		06/25/2021	Paydown		86,407	86,407	86,380	86,386		.21		.21		86,407				1,262	02/25/2032	1.A FE
46648H-AE-3	JPMIT 2017-4 A5 EXCH AFC SEQ SSNR 3.500%		06/01/2021	Paydown		459,314	459,314	449,266	452,859		6,455		6,455		459,314				6,321	05/25/2047	1.D FM
46648U-AE-4	JPMIT 2017-4 A5 EXCH AFC SEQ SSNR 3.500%		04/01/2021	Paydown		39,709	39,709	39,225	39,521		.188		.188		39,709				463	11/25/2048	1.D FM
46649K-AC-9	JP MORGAN MORTGAGE TRUST SERIES 2018-5 CLASS A3 144A 3.500% 10/25/48 LMT 2007-5 2A3 FLT SSNR AS 0.422% 06/25/37		06/01/2021	Paydown		1,229,599	1,229,599	1,252,270	1,246,869		(17,270)		(17,270)		1,229,599				16,952	10/25/2048	1.D FM
52521R-AS-0	MMAF 2017-AA A4 SEQ 2.410% 08/16/24		06/25/2021	Paydown		39,959	38,378	2,378	2,378		.37		.37		39,861		98	98	55	06/25/2037	1.D FM
55315X-AD-3	MVIOT 2017-1A A SEQ 2.420% 12/20/34		06/16/2021	Paydown		2,515,479	2,515,479	2,514,878	2,515,325		.155		.155		2,515,479				25,175	08/16/2024	1.A FE
553896-AA-9	MVIOT SERIES 2019-2A CLASS A 144A 2.220%		06/20/2021	Paydown		224,607	224,607	222,837	223,229		1,378		1,378		224,607				2,238	12/20/2034	1.A FE
55400D-AA-9	MVIOT 2018-1A A SEQ 3.450% 01/21/36		10/20/2038	Paydown		995,062	995,062	978,566	979,584		15,478		15,478		995,062				9,045	10/20/2038	1.A FE
62848B-AA-9	NAVIENT STUDENT LOAN TRUST SERIES 2020-HA CLASS A 144A 1.310% 01/15/69		06/20/2021	Paydown		372,522	372,522	372,592	372,580		(58)		(58)		372,522				5,278	01/21/2036	1.A FE
63935B-AA-1	NAVSL 2019-BA A2A SEQ 3.390% 12/15/59		06/15/2021	Paydown		278,636	278,636	278,612	278,613		.23		.23		278,636				1,761	01/15/2069	1.A FE
63941L-AB-9	NORTHERN NATURAL GAS CO SR UNSEC 4.250%		06/15/2021	Paydown		175,336	175,336	175,327	175,330		.6		.6		175,336				2,419	12/15/2059	1.A FE
665501-AJ-1	O'REILLY AUTOMOTIVE INC SR UNSEC 4.625%		06/01/21	Call 100.0000		10,000,000	10,000,000	9,997,800	9,999,921		.50		.50		9,999,971		.29	29	148,750	06/01/2021	1.F FE
67103H-AB-3	OAK STREET INVESTMENT GRADE SERIES 2020-1A CLASS A1 144A 1.850% 10/20/50		09/15/21	Call 100.0000		2,300,000	2,300,000	2,384,410	2,305,793		(5,793)		(5,793)		2,300,000				79,781	09/15/2021	2.A FE
67181D-AA-9	OAK STREET INVESTMENT GRADE SERIES 2021-1A CLASS A1 144A 1.480% 01/20/51		06/20/2021	Paydown		34,878	34,878	34,877	34,877		.1		.1		34,878				269	10/20/2050	1.A FE
67190A-AA-4	OAK STREET INVESTMENT GRADE SERIES 2021-1A CLASS A2 144A 1.930% 01/20/51		06/20/2021	Paydown		13,067	13,067	13,065			.2		.2		13,067				79	01/20/2051	1.A FE
67190A-AB-2	ONEMAIN FINANCIAL ISSUANCE T SERIES 2018-1A CLASS A 144A 3.300% 03/14/29		06/20/2021	Paydown		68,665	68,665	69,416	69,182		(517)		(517)		68,665				939	03/14/2029	1.A FE
68267B-AA-8	DAIMLER FINANCE NA LLC CO.GUARNT 3.350%		05/04/21	Maturity		5,000,000	5,000,000	4,994,200	4,999,315		.685		.685		5,000,000				83,750	05/04/2021	1.G FE
74346G-AG-7	PROTECTIVE LIFE GLOBAL SR SEC 3.397%		06/28/21	Maturity		16,000,000	16,000,000	16,000,000	16,000,000						16,000,000				271,760	06/28/2021	1.E FE
74368C-AK-0	PRUDENTIAL FINANCIAL INC SERIES MTN 1.500%		05/24/2021	RBC DAIN RAUSCHER INC.		7,990,672	7,850,000	7,816,402	7,820,769		2,155		2,155		7,822,924		167,748	167,748	83,733	03/10/2026	1.G FE
74432Q-CH-6	PUB SVC NEW HAMP 1ST MORTG 3.200% 09/01/21		06/01/2021	Call 100.0000		6,250,000	6,250,000	6,223,625	6,247,969		1,262		1,262		6,249,231		.769	.769	150,000	09/01/2021	1.E FE
744538-AC-3	PUB SVC ELEC & GAS 1ST REF MORT 9.250%		06/01/21	Maturity		1,500,000	1,500,000	1,769,400	1,512,950		(12,950)		(12,950)		1,500,000				69,375	06/01/2021	1.E FE

STATEMENT AS OF JUNE 30, 2021 OF THE TIAA-CREF LIFE INSURANCE COMPANY

SCHEDULE D - PART 4

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										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, NAIC Desig- nation Modifier and SVO Admini- strative Symbol
75975B-AB-6	RENEW FINANCIAL SERIES 2021-1 CLASS A 144A																				
78448W-AB-1	2.060% 11/20/56		06/20/2021	Paydown		133,980	133,980	133,960				20	20		133,980				278	11/20/2056	1.A FE
78449K-AB-6	SMB 2017-A A2A SEQ 2.880% 09/15/34		06/15/2021	Paydown		139,806	139,806	139,757	139,771		35	35	35		139,806				1,633	09/15/2034	1.A FE
78449L-AB-4	SMB 2018-B A2A SEQ 3.600% 01/15/37		06/15/2021	Paydown		222,534	222,534	219,664	221,080		1,454		1,454		222,534				2,133	09/15/2034	1.A FE
78470R-AC-1	SOFI 2016-E A2B SEQ 2.490% 01/25/36		06/25/2021	Paydown		476,892	476,892	485,676	484,363		(7,471)		(7,471)		476,892				7,033	01/15/2037	1.A FE
81745A-AB-3	SEQUOIA MORTGAGE TRUST SERIES 2013-5 CLASS A2 144A 3.000% 05/25/43		06/01/2021	Paydown		573,241	573,241	571,836	572,716		526		526		573,241				5,731	01/25/2036	1.A FE
81746N-AK-4	SEMT 2016-3 A10 EXCH AFC SEQ SSNR 3.500% 11/25/46		06/01/2021	Paydown			1,128,083	1,145,365	1,144,571		(16,488)		(16,488)		1,128,083				12,875	05/25/2043	1.D FM
81748K-AG-7	SEQUOIA MORTGAGE TRUST SERIES 2020-2 CLASS A4 144A 3.500% 03/25/50		06/01/2021	Paydown		442,547	442,547	434,871	436,702		5,844		5,844		442,547				6,290	11/25/2046	1.D FM
81748M-AD-0	SEQUOIA MORTGAGE TRUST SERIES 2020-1 CLASS A4 144A 3.500% 02/25/50		06/01/2021	Paydown			2,388,710	2,443,576	2,426,122		(37,412)		(37,412)		2,388,710				32,874	03/25/2050	1.D FM
82652M-AA-8	SRFC 2019-2A A SEQ 2.590% 05/20/36		06/20/2021	Paydown		392,969	392,969	392,863	392,880		90		90		392,969				22,114	02/25/2050	1.D FM
82652N-AA-6	SRFC SERIES 2019-3A CLASS A 144A 2.340% 07/15/38		06/20/2021	Paydown		182,116	182,116	182,113	182,113		3		3		182,116				4,809	06/20/2035	1.A FE
82653G-AA-0	SRFC 2018-2A A SEQ 3.500% 06/20/35		06/20/2021	Paydown		334,228	334,228	332,625	332,840		1,388		1,388		334,228				2,027	09/20/2035	1.A FE
83189D-AB-6	SRFC 2018-3A A SEQ 3.690% 09/20/35		06/20/2021	Paydown		133,279	133,279	132,621	132,704		575		575		133,279				1,088	10/15/2035	1.A FE
83403Y-AB-0	SMB 2017-B A2A SEQ 2.820% 10/15/35		06/15/2021	Paydown		94,340	94,340	91,850	92,771		1,570		1,570		94,340				6,121	05/25/2040	1.A FE
83404F-AC-8	SOFI 2017-B A2FX SEQ 2.740% 05/25/40		06/25/2021	Paydown		558,348	558,348	558,213	558,290		58		58		558,348				2,642	03/26/2040	1.A FE
83404K-AC-7	SOFI 2017-A A2B SEQ 2.400% 03/26/40		06/25/2021	Paydown		276,246	276,246	272,539	274,743		1,504		1,504		276,246				7,182	11/26/2040	1.A FE
83404L-AC-5	SOFI 2017-E A2B SEQ 2.720% 11/26/40		06/25/2021	Paydown		660,127	660,127	649,030	654,658		5,469		5,469		660,127				2,286	04/25/2033	1.A FE
83405D-AC-2	SOFI 2016-D A2B SEQ 2.340% 04/25/33		06/25/2021	Paydown		240,604	240,604	237,945	239,291		1,375		1,375		240,604				916	07/25/2040	1.A FE
83406E-AC-9	SOFI 2017-C A2B SEQ 2.630% 07/25/40		06/25/2021	Paydown		87,108	87,108	87,085	87,091		17		17		87,108				10,407	02/25/2042	1.A FE
83406E-AC-9	SOFI 2018-A A2B SEQ 2.950% 02/25/42		06/25/2021	Paydown		864,443	864,443	853,391	858,267		6,175		6,175		864,443						
86358R-XZ-5	SASC 2002-AL1 A3 AS CPT SEQ 3.450% 02/25/32		06/01/2021	Paydown		31,023	31,038	27,474	29,398		1,640		1,640		31,037		(14)	(14)	441	02/25/2032	5.A FE
86359B-2H-3	SASC 2005-2XS 2A1 XRESET FTV FLT DL 0.592% 02/25/35		06/01/2021	Paydown		59,429	59,429	59,429	59,429						59,429				153	02/25/2035	1.D FM
87165L-BB-6	SYNCT 2016-2 A SEQ SB 2.210% 05/15/24		05/15/2021	Paydown		2,500,000	2,500,000	2,551,660	2,504,313		(4,313)		(4,313)		2,500,000				23,021	05/15/2024	1.A FE
87272Q-AA-8	TLF 2017-1A A SEQ 3.090% 12/15/29		04/15/2021	Paydown		95,306	95,306	94,591	94,729		577		577		95,306				982	12/15/2029	1.A FE
87305Q-CC-3	TTX CO SR UNSEC 4.400% 05/01/21		05/01/2021	Maturity		5,000,000	5,000,000	5,000,000	5,000,000						5,000,000				110,000	05/01/2021	1.F FE
907825-AA-1	UNION PACIFIC RR 2014-1 PT CERTS 3.227% 05/14/26		05/14/2021	Redemption	100.0000	515,999	515,999	515,999	515,999						515,999				8,326	05/14/2026	1.D FE
90782J-AA-1	UNION PACIFIC RR 2015-1 PT CERTS 2.695% 05/12/27		05/12/2021	Redemption	100.0000																
918286-AA-3	VSTNA 2018-A A SEQ 3.560% 02/20/36		06/20/2021	Paydown		1,424,885	1,424,885	1,424,885	1,424,885						1,424,885				19,200	05/12/2027	1.D FE
918288-AA-9	VSTNA 2017-A A SEQ 2.330% 03/20/35		06/20/2021	Paydown		652,175	652,175	662,595	661,216		(9,041)		(9,041)		652,175				9,699	02/20/2036	1.A FE
92348X-AA-3	VZOT 2018-A A1A SEQ 3.230% 04/20/23		06/20/2021	Paydown		159,194	159,194	159,162	159,170		24		24		159,194				1,536	03/20/2035	1.A FE
92538F-AA-2	VERUS SECURITIZATION TRUST SERIES 2021-2 CLASS A1 144A 1.031% 02/25/66		06/01/2021	Paydown		1,073,269	1,073,269	1,073,251			17		17		1,073,269				14,330	04/20/2023	1.A FE
92538F-AB-0	VERUS SECURITIZATION TRUST SERIES 2021-2 CLASS A2 144A 1.288% 02/25/66		06/01/2021	Paydown			481,511	481,502			10		10		481,511				1,283	02/25/2066	1.A FE
931427-AH-1	WALGREENS BOOTS ALLIANCE SR UNSEC 3.800% 11/18/24		04/22/2021	TENDER SALE		4,009,950	3,750,000	3,853,950	3,799,518		(4,081)		(4,081)		3,795,437		214,513	214,513	719	02/25/2066	1.C FE
931427-AQ-1	WALGREENS BOOTS ALLIANCE SR UNSEC 3.450% 06/01/26		04/22/2021	TENDER SALE		3,947,448	3,686,000	3,676,711	3,680,576		290		290		3,680,865		266,583	266,583	175,042	11/18/2024	2.B FE
94106L-AZ-2	WASTE MANAGEMENT INC CO.GUARNT 3.500% 05/15/24		05/11/2021	TENDER SALE		4,472,233	4,250,000	4,239,290	4,245,982		411		411		4,246,394		225,839	225,839	123,043	06/01/2026	2.B FE
94937V-AW-7	ANTHEM INC SR UNSEC 3.700% 08/15/21		05/15/2021	Call	100.0000	12,500,000	12,500,000	12,485,500	12,498,935		628		628		12,499,564		436	436	73,549	05/15/2024	2.A FE
958587-BJ-5	NSTAR ELECTRIC CO SR UNSEC 3.500% 09/15/21		06/15/2021	Call	100.0000	2,500,000	2,500,000	2,477,300	2,498,131		1,200		1,200		2,499,331		669	669	346,875	08/15/2021	2.B FE
981464-FJ-4	WFMNT 2016-A A SB 2.030% 04/15/25		06/15/2021	Paydown		2,500,000	2,500,000	2,526,074	2,502,620		(2,620)		(2,620)		2,500,000				65,625	09/15/2021	1.E FE
																			25,375	04/15/2025	1.A FE



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										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, NAIC Desig- nation Modifier and SVO Admini- strative Symbol
06367T-4W-7	BANK OF MONTREAL SR UNSEC 3.100% 04/13/21	A	04/13/2021	Maturity		5,100,000	5,100,000	5,094,033	5,099,421		579		579		5,100,000				79,050	04/13/2021	1.C FE
136069-K3-4	CANADIAN IMPERIAL BANK COVERED 3.150% 06/27/21	A	06/27/2021	Maturity		8,670,000	8,670,000	8,659,423	8,668,217		1,783		1,783		8,670,000				136,553	06/27/2021	1.A FE
78013X-KG-2	ROYAL BANK OF CANADA SR UNSEC 3.200% 04/30/21	A	04/30/2021	Maturity		5,000,000	5,000,000	4,996,450	4,999,598		402		402		5,000,000				80,000	04/30/2021	1.C FE
891140-BZ-0	TORONTO-DOMINION BANK SR UNSEC 3.250% 06/11/21	A	06/11/2021	Maturity		10,000,000	10,000,000	9,995,500	9,999,308		692		692		10,000,000				162,500	06/11/2021	1.C FE
00900C-AA-2	AIMCO SERIES 2017-AA CLASS A 144A 1.448% 07/20/29	D	04/20/2021	Paydown		3,000,000	3,000,000	2,991,600	2,992,190		7,810		7,810		3,000,000				22,459	07/20/2029	1.A FE
26824K-AA-2	AIRBUS FINANCE BV CO.GUARNT 2.700% 04/17/23	D	06/11/2021	Call 104.3470		8,686,888	8,325,000	8,304,021	8,319,681		999		999		8,320,681		4,319	4,319	507,992	04/17/2023	1.F FE
29441W-AB-1	EQUATE PETROCHEMICAL BV CO.GUARNT 3.000% 03/03/22	D	04/27/2021	TENDER SALE MARKETAXESS HOLDINGS INC		5,118,750	5,000,000	4,918,200	4,980,806		5,242		5,242		4,986,047		132,703	132,703	98,333	03/03/2022	2.B FE
377373-AL-9	GLAXOSMITHKLINE CAPITAL 0.534% 10/01/23	D	06/22/2021			12,021,120	12,000,000	12,000,000	12,000,000						12,000,000		21,120	21,120	46,814	10/01/2023	1.F FE
75973F-AA-9	RENEW 2018-1 A SEQ 3.950% 09/20/53	D	06/20/2021	Paydown		156,631	156,631	156,571	156,576		55		55		156,631				3,251	09/20/2053	1.A FE
3899999. Subtotal - Bonds - Industrial and Miscellaneous (Unaffiliated)						270,463,232	265,134,010	265,650,276	263,299,641		(49,452)		(49,452)		264,984,626		2,969,313	2,969,313	7,265,367	XXX	XXX
8399997. Total - Bonds - Part 4						339,336,617	334,007,395	336,410,277	333,576,060		(1,448,286)		(1,448,286)		333,862,211		2,965,113	2,965,113	8,141,462	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						339,336,617	334,007,395	336,410,277	333,576,060		(1,448,286)		(1,448,286)		333,862,211		2,965,113	2,965,113	8,141,462	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						339,336,617	XXX	336,410,277	333,576,060		(1,448,286)		(1,448,286)		333,862,211		2,965,113	2,965,113	8,141,462	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 .....					(17,178)	(20,161)	(37,670)	.XXX.
Citibank, N.A. .... New York, NY .....					14,345,779	7,765,251	10,652,049	.XXX.
Harris, N.A. .... Chicago, IL .....					62,270	60,231	25,129	.XXX.
JPMorgan Chase Bank, N.A. .... New York, NY .....					29,704	30,402	29,704	.XXX.
The Northern Trust Company .... Chicago, IL .....					20,000	20,000	20,000	.XXX.
Wells Fargo, N.A. .... Philadelphia, PA .....					(5,800,977)	(6,618,081)	(8,589,127)	.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			8,639,598	1,237,642	2,100,085	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			8,639,598	1,237,642	2,100,085	XXX
0499999. Cash in Company's Office	XXX	XXX	XXX	XXX				XXX
0599999. Total - Cash	XXX	XXX			8,639,598	1,237,642	2,100,085	XXX

## SCHEDULE E - PART 2 - CASH EQUIVALENTS

[illegible]