

QUARTERLY STATEMENT

OF THE

TIAA-CREF LIFE INSURANCE COMPANY

TO THE

Insurance Department

OF THE

STATE OF

FOR THE QUARTER ENDED
JUNE 30, 2023

☐ LIFE, ACCIDENT AND HEALTH

☐ FRATERNAL BENEFIT SOCIETIES

2023



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

QUARTERLY STATEMENT

AS OF JUNE 30, 2023

OF THE CONDITION AND AFFAIRS OF THE

TIAA-CREF Life Insurance Company

NAIC Group Code 1216 1216 NAIC Company Code 60142 Employer's ID Number 13-3917848
(Current) (Prior)
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 [X] Fraternal Benefit Societies []
Incorporated/Organized 11/20/1996 Commenced Business 12/18/1996
Statutory Home Office 730 Third Avenue New York, NY, US 10017
(Street and Number) (City or Town, State, Country and Zip Code)
Main Administrative Office 730 Third Avenue
(Street and Number)
New York, NY, US 10017 212-490-9000
(City or Town, State, Country and Zip Code) (Area Code) (Telephone Number)
Mail Address 730 Third Avenue New York, NY, US 10017
(Street and Number or P.O. Box) (City or Town, State, Country and Zip Code)
Primary Location of Books and Records 730 Third Avenue
(Street and Number)
New York, NY, US 10017 212-490-9000
(City or Town, State, Country and Zip Code) (Area Code) (Telephone Number)
Internet Website Address tiaa.org
Statutory Statement Contact Stacy Eisenhauer 704-988-4560
(Name) (Area Code) (Telephone Number)
StatutoryReporting@tiaa.org (FAX Number)
(E-mail Address)

OFFICERS

President & Chief Executive Officer	<u>Mohammad Ali Iqbal #</u>	Vice President & Chief Financial Officer	<u>Stacy Koon Eisenhauer</u>
Secretary	<u>Wayne Aggrey Agard</u>	Senior Vice President, Chief Actuary and Appointed Actuary	<u>Keith Elliot Floman</u>

OTHER

Christopher John Heald, Vice President & Treasurer

DIRECTORS OR TRUSTEES

<u>Nicholas Carl Calarco</u>	<u>Anne (NMN) Dobkowski</u>	<u>Bradley (NMN) Finkle</u>
<u>Keith Elliot Floman</u>	<u>Mohammad Ali Iqbal</u>	<u>Timothy Wayne Penrose</u>
<u>Jill Lara Richman #</u>		

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.

<u>Mohammad Ali Iqbal</u> President & Chief Executive Officer	<u>Wayne Aggrey Agard</u> Secretary	<u>Stacy Koon Eisenhauer</u> Vice President & Chief Financial Officer
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Subscribed and sworn to before me this 1st day of August, 2023
Vincenza Ieni

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

VINCENZA IENI
NOTARY PUBLIC-STATE OF NEW YORK
No. 011E6211858
Qualified in Westchester County
My Commission Expires 09-21-2025



STATEMENT AS OF JUNE 30, 2023 OF THE TIAA-CREF LIFE INSURANCE COMPANY

ASSETS

	Current Statement Date			4 December 31 Prior Year Net Admitted Assets
	1 Assets	2 Nonadmitted Assets	3 Net Admitted Assets (Cols. 1 - 2)	
1. Bonds	13,468,055,451		13,468,055,451	13,355,204,676
2. Stocks:				
2.1 Preferred stocks	9,409,225		9,409,225	9,376,307
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 (\$ (4,492,076)), cash equivalents (\$ 47,019,949) and short-term investments (\$)	42,527,873		42,527,873	97,648,359
6. Contract loans (including \$ premium notes)	58,588,215		58,588,215	48,211,031
7. Derivatives				
8. Other invested assets	4,608,752		4,608,752	4,621,050
9. Receivables for securities	410,508		410,508	68,577
10. Securities lending reinvested collateral assets				
11. Aggregate write-ins for invested assets				
12. Subtotals, cash and invested assets (Lines 1 to 11)	13,583,600,025		13,583,600,025	13,515,130,000
13. Title plants less \$ charged off (for Title insurers only)				
14. Investment income due and accrued	104,372,320		104,372,320	100,957,535
15. Premiums and considerations:				
15.1 Uncollected premiums and agents' balances in the course of collection	1,611,493		1,611,493	1,799,612
15.2 Deferred premiums, agents' balances and installments booked but deferred and not yet due (including \$ earned but unbilled premiums)	45,726,186	27,443,782	18,282,404	18,820,258
15.3 Accrued retrospective premiums (\$) and contracts subject to redetermination (\$)				
16. Reinsurance:				
16.1 Amounts recoverable from reinsurers	3,335,109		3,335,109	7,185,658
16.2 Funds held by or deposited with reinsured companies				
16.3 Other amounts receivable under reinsurance contracts	7,464,236		7,464,236	1,343,089
17. Amounts receivable relating to uninsured plans				
18.1 Current federal and foreign income tax recoverable and interest thereon	4,280,390		4,280,390	
18.2 Net deferred tax asset	49,878,570	34,598,191	15,280,379	16,300,027
19. Guaranty funds receivable or on deposit	91,654		91,654	91,654
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	3,941,629	3,496	3,938,133	4,633,900
26. Total assets excluding Separate Accounts, Segregated Accounts and Protected Cell Accounts (Lines 12 to 25)	13,804,301,611	62,045,469	13,742,256,142	13,666,261,733
27. From Separate Accounts, Segregated Accounts and Protected Cell Accounts	4,258,933,139		4,258,933,139	3,966,298,395
28. Total (Lines 26 and 27)	18,063,234,750	62,045,469	18,001,189,281	17,632,560,128
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	3,941,629	3,496	3,938,133	4,633,900
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)	3,941,629	3,496	3,938,133	4,633,900

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, 2023 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 \$ 3,711,538,776 less \$ included in Line 6.3 (including \$245,445,074 Modco Reserve)	3,711,538,776	3,798,526,511
2. Aggregate reserve for accident and health contracts (including \$ Modco Reserve)		
3. Liability for deposit-type contracts (including \$ Modco Reserve).....	9,008,055,979	8,801,779,581
4. Contract claims:		
4.1 Life	15,046,881	10,637,475
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	211,476	80,383
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 \$ 14,024,042 ceded	14,024,042	7,630,194
9.4 Interest Maintenance Reserve	30,428,575	46,736,127
10. Commissions to agents due or accrued-life and annuity contracts \$ 211,299 , accident and health \$ and deposit-type contract funds \$	211,299	349,751
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 \$ (2,788,205) accrued for expense allowances recognized in reserves, net of reinsured allowances)	(8,975,960)	(2,711,715)
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)		5,033,178
15.2 Net deferred tax liability		
16. Unearned investment income		
17. Amounts withheld or retained by reporting entity as agent or trustee	1,308,615	1,161,618
18. Amounts held for agents' account, including \$ agents' credit balances		
19. Remittances and items not allocated	19,371,558	17,782,293
20. Net adjustment in assets and liabilities due to foreign exchange rates		
21. Liability for benefits for employees and agents if not included above		
22. Borrowed money \$ and interest thereon \$		
23. Dividends to stockholders declared and unpaid		
24. Miscellaneous liabilities:		
24.01 Asset valuation reserve	84,763,006	77,800,975
24.02 Reinsurance in unauthorized and certified (\$) companies	3,677,244	6,990,144
24.03 Funds held under reinsurance treaties with unauthorized and certified (\$) reinsurers		
24.04 Payable to parent, subsidiaries and affiliates	11,321,271	7,495,616
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	53,117,451	91,657
24.10 Payable for securities lending		
24.11 Capital notes \$ and interest thereon \$		
25. Aggregate write-ins for liabilities	1,722,085	1,284,245
26. Total liabilities excluding Separate Accounts business (Lines 1 to 25)	12,945,822,295	12,780,668,033
27. From Separate Accounts Statement	4,247,266,533	3,954,476,291
28. Total liabilities (Lines 26 and 27)	17,193,088,828	16,735,144,324
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)	28,100,453	117,415,804
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 \$ 11,666,606 in Separate Accounts Statement)	805,600,453	894,915,804
38. Totals of Lines 29, 30 and 37	808,100,453	897,415,804
39. Totals of Lines 28 and 38 (Page 2, Line 28, Col. 3)	18,001,189,281	17,632,560,128
DETAILS OF WRITE-INS		
2501. Miscellaneous liabilities	1,722,085	1,284,245
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)	1,722,085	1,284,245
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, 2023 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	108,722,395	138,449,609	260,202,721
2. Considerations for supplementary contracts with life contingencies	1,584,652	536,954	1,917,505
3. Net investment income	216,363,806	191,132,022	398,218,580
4. Amortization of Interest Maintenance Reserve (IMR)	2,138,637	2,724,270	6,266,795
5. Separate Accounts net gain from operations excluding unrealized gains or losses	(233,583)	1,066,780	1,408,448
6. Commissions and expense allowances on reinsurance ceded	2,974,005	3,202,889	7,410,349
7. Reserve adjustments on reinsurance ceded	(18,626,272)	(2,478,183)	(11,452,786)
8. Miscellaneous Income:			
8.1 Income from fees associated with investment management, administration and contract guarantees from Separate Accounts.....	9,090,012	9,941,941	19,137,455
8.2 Charges and fees for deposit-type contracts			
8.3 Aggregate write-ins for miscellaneous income	297,723	141,516	513,493
9. Totals (Lines 1 to 8.3)	322,311,378	344,717,798	683,622,560
10. Death benefits	19,661,353	12,563,505	29,749,912
11. Matured endowments (excluding guaranteed annual pure endowments)			
12. Annuity benefits	56,451,197	47,273,407	94,644,330
13. Disability benefits and benefits under accident and health contracts	325,811	272,287	565,276
14. Coupons, guaranteed annual pure endowments and similar benefits			
15. Surrender benefits and withdrawals for life contracts	186,759,520	97,404,288	228,804,964
16. Group conversions			
17. Interest and adjustments on contract or deposit-type contract funds	110,940,814	43,788,394	98,778,294
18. Payments on supplementary contracts with life contingencies	468,636	402,043	850,308
19. Increase in aggregate reserves for life and accident and health contracts	(86,987,735)	17,667,186	3,236,935
20. Totals (Lines 10 to 19)	287,619,596	219,371,110	456,630,019
21. Commissions on premiums, annuity considerations, and deposit-type contract funds (direct business only)	1,584,527	2,020,139	4,209,113
22. Commissions and expense allowances on reinsurance assumed			
23. General insurance expenses and fraternal expenses	36,788,850	35,131,986	67,389,879
24. Insurance taxes, licenses and fees, excluding federal income taxes	3,137,957	2,833,352	6,652,857
25. Increase in loading on deferred and uncollected premiums	2,220,320	2,552,074	3,822,409
26. Net transfers to or (from) Separate Accounts net of reinsurance	(83,919,224)	(29,804,166)	(77,274,059)
27. Aggregate write-ins for deductions	37,822,465	26,005,831	39,893,340
28. Totals (Lines 20 to 27)	285,254,491	258,110,326	501,323,558
29. Net gain from operations before dividends to policyholders and federal income taxes (Line 9 minus Line 28)	37,056,887	86,607,472	182,299,002
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)	37,056,887	86,607,472	182,299,002
32. Federal and foreign income taxes incurred (excluding tax on capital gains)	6,918,218	16,474,829	34,780,123
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)	30,138,669	70,132,643	147,518,879
34. Net realized capital gains (losses) (excluding gains (losses) transferred to the IMR) less capital gains tax of \$(31,187) (excluding taxes of \$ (3,766,421) transferred to the IMR)	37,450	(308,366)	(842,045)
35. Net income (Line 33 plus Line 34)	30,176,119	69,824,277	146,676,834
CAPITAL AND SURPLUS ACCOUNT			
36. Capital and surplus, December 31, prior year	897,415,804	841,656,601	841,656,601
37. Net income (Line 35)	30,176,119	69,824,277	146,676,834
38. Change in net unrealized capital gains (losses) less capital gains tax of \$ (6,913)	39,831	(167,165)	(825,237)
39. Change in net unrealized foreign exchange capital gain (loss)			
40. Change in net deferred income tax	(485,145)	(1,629,541)	(1,282,354)
41. Change in nonadmitted assets	2,624,891	1,594,276	3,683,895
42. Change in liability for reinsurance in unauthorized and certified companies	3,312,900	8,114,886	5,260,395
43. Change in reserve on account of change in valuation basis, (increase) or decrease			
44. Change in asset valuation reserve	(6,962,031)	(3,718,471)	(12,843,473)
45. Change in treasury stock			
46. Surplus (contributed to) withdrawn from Separate Accounts during period			
47. Other changes in surplus in Separate Accounts Statement	78,085	(820,945)	(1,010,857)
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	(118,100,000)	(83,900,000)	(83,900,000)
53. Aggregate write-ins for gains and losses in surplus			
54. Net change in capital and surplus for the year (Lines 37 through 53)	(89,315,351)	(10,702,683)	55,759,203
55. Capital and surplus, as of statement date (Lines 36 + 54)	808,100,453	830,953,918	897,415,804
DETAILS OF WRITE-INS			
08.301. Miscellaneous income	297,723	141,516	513,493
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)	297,723	141,516	513,493
2701. Miscellaneous deductions	37,822,465	26,005,831	39,893,340
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)	37,822,465	26,005,831	39,893,340
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, 2023 OF THE TIAA-CREF LIFE INSURANCE COMPANY

CASH FLOW

	1 Current Year To Date	2 Prior Year To Date	3 Prior Year Ended December 31
Cash from Operations			
1. Premiums collected net of reinsurance	109,249,514	137,640,373	263,068,359
2. Net investment income	208,839,482	185,458,038	384,535,847
3. Miscellaneous income	12,361,741	13,286,346	27,061,297
4. Total (Lines 1 to 3)	330,450,737	336,384,757	674,665,503
5. Benefit and loss related payments	309,232,622	179,851,596	403,507,354
6. Net transfers to Separate Accounts, Segregated Accounts and Protected Cell Accounts	(77,654,980)	(31,354,092)	(82,172,034)
7. Commissions, expenses paid and aggregate write-ins for deductions	42,192,549	39,844,910	77,751,289
8. Dividends paid to policyholders			
9. Federal and foreign income taxes paid (recovered) net of \$ 4,255,782 tax on capital gains (losses)	12,434,178	21,618,172	40,212,833
10. Total (Lines 5 through 9)	286,204,368	209,960,586	439,299,442
11. Net cash from operations (Line 4 minus Line 10)	44,246,368	126,424,171	235,366,061
Cash from Investments			
12. Proceeds from investments sold, matured or repaid:			
12.1 Bonds	480,403,280	525,899,774	2,010,817,056
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	15,515	(196)	27,314
12.7 Miscellaneous proceeds	53,267,039	93,801,646	5,967,798
12.8 Total investment proceeds (Lines 12.1 to 12.7)	533,685,834	619,701,224	2,016,812,168
13. Cost of investments acquired (long-term only):			
13.1 Bonds	607,076,804	1,719,910,384	2,907,564,910
13.2 Stocks			
13.3 Mortgage loans			
13.4 Real estate			
13.5 Other invested assets			
13.6 Miscellaneous applications	341,931	376,619	
13.7 Total investments acquired (Lines 13.1 to 13.6)	607,418,735	1,720,287,003	2,907,564,910
14. Net increase (or decrease) in contract loans and premium notes	10,377,184	817,145	3,371,768
15. Net cash from investments (Line 12.8 minus Line 13.7 and Line 14)	(84,110,085)	(1,101,402,924)	(894,124,510)
Cash from Financing and Miscellaneous Sources			
16. Cash provided (applied):			
16.1 Surplus notes, capital notes			
16.2 Capital and paid in surplus, less treasury stock			
16.3 Borrowed funds			
16.4 Net deposits on deposit-type contracts and other insurance liabilities	96,108,737	926,930,419	677,713,387
16.5 Dividends to stockholders	118,100,000	83,900,000	83,900,000
16.6 Other cash provided (applied)	6,734,494	(14,681,009)	(3,306,263)
17. Net cash from financing and miscellaneous sources (Line 16.1 through Line 16.4 minus Line 16.5 plus Line 16.6)	(15,256,769)	828,349,410	590,507,124
RECONCILIATION OF CASH, CASH EQUIVALENTS AND SHORT-TERM INVESTMENTS			
18. Net change in cash, cash equivalents and short-term investments (Line 11, plus Lines 15 and 17) .	(55,120,486)	(146,629,343)	(68,251,325)
19. Cash, cash equivalents and short-term investments:			
19.1 Beginning of year	97,648,359	165,899,684	165,899,684
19.2 End of period (Line 18 plus Line 19.1)	42,527,873	19,270,341	97,648,359

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

20.0001. Exchange/restructure/transfer of bond investments	83,265,502	27,753,208	152,151,659
20.0002. Capitalized interest	1,339,672	1,413,325	2,795,586
20.0003. Interest credited on deposit type contracts	110,605,426	43,407,238	97,992,464

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	76,394,666	87,576,354	175,923,147
3. Ordinary individual annuities	50,114,160	70,449,803	120,271,387
4. Credit life (group and individual)			
5. Group life insurance	19,290,752	20,131,779	44,006,861
6. Group annuities			
7. A & H - group			
8. A & H - credit (group and individual)			
9. A & H - other	3,351,656	3,453,383	6,709,539
10. Aggregate of all other lines of business			
11. Subtotal (Lines 1 through 10)	149,151,233	181,611,319	346,910,934
12. Fraternal (Fraternal Benefit Societies Only)			
13. Subtotal (Lines 11 through 12)	149,151,233	181,611,319	346,910,934
14. Deposit-type contracts	521,093,121	1,568,328,574	2,059,411,381
15. Total (Lines 13 and 14)	670,244,353	1,749,939,893	2,406,322,315
DETAILS OF WRITE-INS			
1001.			
1002.			
1003.			
1098. Summary of remaining write-ins for Line 10 from overflow page			
1099. Totals (Lines 1001 through 1003 plus 1098)(Line 10 above)			

NOTES TO FINANCIAL STATEMENTS

1. Summary of Significant Accounting Policies and Going Concern

A. Accounting Principles

The financial statements of TIAA-CREF Life Insurance Company (“TC Life” or the “Company”) have been presented on the basis of statutory accounting principles prescribed or permitted by the New York State Department of Financial Services (“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 net 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	06/30/2023	12/31/2022
Net Income (loss), New York SAP				\$ 30,176,119	\$ 146,676,834
New York SAP Prescribed Practices that are an increase/(decrease) from NAIC SAP:					
Additional Reserves for Term Conversions	51R	4	19	330,788	(18,895)
Additional Reserves for Variable Annuities	51R	4	19	18,605	(10,080)
Net Income (loss), NAIC SAP				<u>\$ 29,826,726</u>	<u>\$ 146,705,809</u>
Capital and Surplus, New York SAP				\$ 808,100,453	\$ 897,415,804
New York SAP Prescribed Practices that are an increase/(decrease) from NAIC SAP:					
Deferred Premium Asset Limitation	51R, 61R	2	15.2	(550,202)	(589,327)
Additional Reserves for Term Conversions	51R	3	1	(5,787,465)	(6,118,253)
Additional Reserves for Variable Annuities	51R	3	1	(18,134)	(36,739)
Capital and Surplus, NAIC SAP				<u>\$ 814,456,254</u>	<u>\$ 904,160,123</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 additional reserve for variable annuities results from the Department prescribing a floor under Regulation No. 213 (11 NYCRR 103), Principle-Based Reserving, effective December 31, 2020. Therefore, the Company’s reported reserve for variable annuities is the greater of those prescribed under the NAIC Valuation Manual (“VM”) in section VM-21 Requirements for Principle-Based Reserves for Variable Annuities (“VM-21”), and Regulation No. 213.

The Company’s risk based capital as of June 30, 2023 and December 31, 2022 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) - (5) No material change
- (6) Included within bonds are loan-backed and structured securities. Estimated future cash flows and expected prepayment speeds are used to determine the amortization of loan-backed and structured securities under the prospective method. Expected future cash flows and prepayment speeds are evaluated quarterly. Certain loan-backed and structured securities are reported at the lower of amortized cost or fair value as a result of the NAIC modeling process.

NOTES TO FINANCIAL STATEMENTS

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 March 2023, the NAIC adopted revisions to SSAP No. 100R—Fair Value. The revisions adopt ASU 2022-03, Fair Value Measurement of Equity Securities Subject to Contractual Sale Restrictions to provide clarity in situations involving equity securities that have restrictions related to the sale of the asset. The adoption does not incorporate the GAAP disclosures on sales restrictions, but clarifies that items restricted as to sale would be captured as restricted assets and subject to admittance considerations. The revisions are effective immediately and did not have a material impact to the Company.

In March 2023, the NAIC adopted revisions to SSAP No. 34 - Investment Income Due and Accrued. The revisions provided additional disclosures for interest income due and paid-in-kind (PIK) interest included in current principal balances. The revisions are effective December 31, 2023 and are not expected to have a material impact to the Company.

In December 2022, the NAIC adopted certain accounting practices within Interpretation 2022-02, Third Quarter 2022 through First Quarter 2023 Reporting of the Inflation Act (the "Act") - Corporate Alternative Minimum Tax ("CAMT") ("INT 22-02"). The Act imposes a CAMT to the excess of 15% of a corporation's adjusted financial statement income over its corporate alternative minimum tax foreign tax credit. The CAMT goes into effect for tax years beginning after 2022. INT 22-02 addresses the third quarter 2022 through second quarter 2023 transition accounting and reporting aspects of the new CAMT. Because of the timing of the adoption of the Act and the considerable number of unknown variables for June 30, 2023, a reasonable estimate for the calculations impacted by the CAMT is not determinable for second quarter 2023 financial statements. INT 22-02 specifies that reporting entities shall not recognize impacts related to CAMT for second quarter 2023 filing or as a subsequent event for any estimated CAMT, but shall make certain disclosures for the Act's applicability. See Note 9 for the disclosure.

Corrections of Errors

No material corrections

3. Business Combinations and Goodwill

Not applicable

4. Discontinued Operations

Not applicable

NOTES TO FINANCIAL STATEMENTS

5. Investments

A. Mortgage Loans

Not applicable

B. Debt Restructuring

Not applicable

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, 2023, the Company recognized no OTTI on securities it lacked the ability to hold or had the intent to sell.

(3) The Company has no loan-backed or structured securities that have recognized OTTI as of June 30, 2023:

(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	\$	5,464,033
2.	12 Months or Longer	\$	205,461,469

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

1.	Less than 12 Months	\$	175,841,637
2.	12 Months or Longer	\$	1,223,164,046

(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

NOTES TO FINANCIAL STATEMENTS

M. Working Capital Financial Investments

Not applicable

N. Offsetting and Netting of Assets and Liabilities

Not applicable

O. 5GI Securities

No material change

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 changes, however, the Inflation Reduction Act ("Act") was enacted on August 16, 2022. The Act included a new corporate alternative minimum tax ("CAMT") which is a 15 percent tax on an applicable corporation's adjusted financial statement income for the tax year, reduced by corporate alternative minimum foreign tax credits. The tax is effective for tax years beginning after 2022.

Under general statutory accounting principles, reporting entities filing statutory financial statements would normally have to consider the applicability of the CAMT, and if applicable, determine the impact on the statutory valuation allowance as well as assess deferred tax assets ("DTAs") for admissibility. Pursuant to guidance released by the Statutory Accounting Principles Working Group ("SAPWG") within INT 22-02, the Company has not determined as of the reporting date if it will be liable for CAMT in 2023. As a member of the Consolidated group for TIAA, TC life has not included an estimate of the impact of the CAMT within the second quarter 2023 financial statements, because a reasonable estimate cannot be made at this time.

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

No material change

11. Debt

Not applicable

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

Not applicable

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

(A) - (C) No material change

(D) An ordinary dividend in the amount of \$118,100,000 was paid by the Company to TIAA in the quarter ending June 30, 2023.

(E) - (M) No material change

NOTES TO FINANCIAL STATEMENTS

14. Liabilities, Contingencies and Assessments

No material change

15. Leases

Not applicable

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

Not applicable

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

Not applicable

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

Not applicable

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

Not applicable

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

NOTES TO FINANCIAL STATEMENTS

information is reasonably available without undue cost and effort that indicates that market participants would use different assumptions.

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

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

The following table provides information about the Company’s financial assets and liabilities measured and reported at fair value at June 30, 2023:

	Level 1	Level 2	Level 3	Net Asset Value (NAV)	Total
Assets at fair value:					
Preferred stock	\$ 1,009,225	\$ —	\$ —	\$ —	\$ 1,009,225
Separate account assets	4,247,554,574	11,378,565	—	—	4,258,933,139
Total assets at fair value	<u>\$ 4,248,563,799</u>	<u>\$ 11,378,565</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ 4,259,942,364</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, 2023 and December 31, 2022, 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, 2023. 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.

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.

NOTES TO FINANCIAL STATEMENTS

Cash included in Level 2 consist of outstanding disbursements in excess of cash on hand and are valued based on the carrying value of the outstanding disbursement, which approximates fair value. Cash equivalents and short term investments in Level 2 are valued principally by third party services using market observable inputs.

Level 3 financial instruments

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

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

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

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

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)
Assets:							
Bonds	\$11,891,074,138	\$13,468,055,451	\$ —	\$11,886,179,880	\$ 4,894,258	\$ —	\$ —
Preferred stock	7,614,985	9,409,225	1,009,225	6,605,760	—	—	—
Other invested assets	4,702,608	4,608,752	—	4,702,608	—	—	—
Separate account assets	4,258,933,139	4,258,933,139	4,247,554,574	11,378,565	—	—	—
Contract loans	58,588,215	58,588,215	—	—	58,588,215	—	—
Cash, cash equivalents & short term investments ...	42,530,150	42,527,873	—	42,530,150	—	—	—
Total	<u>\$16,263,443,235</u>	<u>\$17,842,122,655</u>	<u>\$4,248,563,799</u>	<u>\$11,951,396,963</u>	<u>\$ 63,482,473</u>	<u>\$ —</u>	<u>\$ —</u>
Liabilities:							
Deposit-type contracts	\$ 9,008,055,979	\$ 9,008,055,979	\$ —	\$ —	\$9,008,055,979	\$ —	\$ —
Separate account liabilities	4,247,266,533	4,247,266,533	—	—	4,247,266,533	—	—
Total	<u>\$13,255,322,512</u>	<u>\$13,255,322,512</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$13,255,322,512</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 4, 2023 for the statutory statement issued on August 4, 2023. 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

NOTES TO FINANCIAL STATEMENTS

27. Structured Settlements

Not applicable

28. Health Care Receivables

Not applicable

29. Participating Policies

Not applicable

30. Premium Deficiency Reserves

Not applicable

31. Reserves for Life Contracts and Annuity Contracts

No material change

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?

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 | 2 | 3 |
| Name of Entity | NAIC Company Code | 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	2	3	4	5	6
Affiliate Name	Location (City, State)	FRB	OCC	FDIC	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
TIAA Trust, N.A.	Charlotte, North Carolina .....	.....	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 [X] No []

9.21

If the response to 9.2 is Yes, provide information related to amendment(s).
The Code of Business Conduct was updated as of February 15, 2023 to remove references to the applicability of the Code to contingent workers, third parties and vendors. Applicability of the Code to contingent workers, third parties and vendors is handled through contractual language and not through the Code of Business Conduct itself.

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, 2023, the statement value of the assets on deposit with states is \$3,217,054.

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? Yes [] No [] N/A [X]
If no, attach a description with this statement.
.....

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, 2023 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.	383 Madison 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	2	3	4	5
Central Registration Depository Number	Name of Firm or Individual	Legal Entity Identifier (LEI)	Registered With	Investment Management Agreement (IMA) Filed
107157	Teachers Advisors, LLC	Q3EVPQ17HQS1MVRLOU14	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 [X] No []

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

[illegible]

STATEMENT AS OF JUNE 30, 2023 OF THE TIAA-CREF LIFE INSURANCE COMPANY

SCHEDULE T - PREMIUMS AND ANNUITY CONSIDERATIONS

Current Year To Date - Allocated by States and Territories

States, Etc.		1	Direct Business Only					
			Life Contracts		4 Accident and Health Insurance Premiums, Including Policy, Membership and Other Fees	5 Other Considerations	6 Total Columns 2 Through 5	7 Deposit-Type Contracts
			2 Life Insurance Premiums	3 Annuity Considerations				
1.	Alabama	AL	L	1,815,060	4,809,948	62,855	6,687,863	274,559
2.	Alaska	AK	L	52,482	13,561		66,043	
3.	Arizona	AZ	L	1,722,773	278,753	45,925	2,047,451	
4.	Arkansas	AR	L	361,674	3,373	11,720	376,767	723,089
5.	California	CA	L	8,571,572	3,204,624	125,161	11,901,357	104,170,089
6.	Colorado	CO	L	1,587,305	343,059		1,930,364	70,288,060
7.	Connecticut	CT	L	2,243,279	152,505	65,585	2,461,369	136,563
8.	Delaware	DE	L	1,451,626	59,887	20,948	1,532,461	
9.	District of Columbia	DC	L	654,691	300,193	50,944	1,005,828	
10.	Florida	FL	L	5,024,121	3,269,291	485,465	8,778,877	3,733,114
11.	Georgia	GA	L	2,340,953	833,656	104,964	3,279,573	79,176,141
12.	Hawaii	HI	L	279,345	225,729	5,774	510,848	365,474
13.	Idaho	ID	L	144,445	3,600	17,279	165,324	
14.	Illinois	IL	L	2,942,032	2,805,976	75,294	5,823,302	3,421,805
15.	Indiana	IN	L	1,439,203	546,998	65,295	2,051,496	
16.	Iowa	IA	L	1,435,121	969,999	32,927	2,438,047	347,853
17.	Kansas	KS	L	400,304	43,150	14,036	457,490	
18.	Kentucky	KY	L	494,076	43,551	4,136	541,763	
19.	Louisiana	LA	L	454,151	4,089		458,240	
20.	Maine	ME	L	573,463	6,000	12,265	591,728	60,029
21.	Maryland	MD	L	2,472,128	1,428,813	144,268	4,045,209	1,757,846
22.	Massachusetts	MA	L	4,345,473	3,505,384	217,289	8,068,146	154,861
23.	Michigan	MI	L	2,717,175	989,400	131,736	3,838,311	131,950,026
24.	Minnesota	MN	L	2,320,119	84,564	31,331	2,436,014	25,638,167
25.	Mississippi	MS	L	95,071	4,949		100,020	5,016,423
26.	Missouri	MO	L	2,001,212	164,002	47,284	2,212,498	637,542
27.	Montana	MT	L	138,212	7,334		145,546	186,265
28.	Nebraska	NE	L	1,050,112	9,236	8,474	1,067,822	
29.	Nevada	NV	L	381,913	892,155	18,288	1,292,356	
30.	New Hampshire	NH	L	572,913	76,200		649,113	
31.	New Jersey	NJ	L	4,633,359	5,024,723	105,952	9,764,034	
32.	New Mexico	NM	L	301,186	56,083		357,269	
33.	New York	NY	L	12,580,853	5,437,955	592,999	18,611,807	3,674,803
34.	North Carolina	NC	L	3,426,220	3,374,798	48,226	6,849,244	675,882
35.	North Dakota	ND	L	108,670	8,500		117,170	
36.	Ohio	OH	L	2,023,481	540,483	84,904	2,648,868	2,014,602
37.	Oklahoma	OK	L	628,130	1,304,062	29,051	1,961,243	12,525,741
38.	Oregon	OR	L	725,456	25,874	43,403	794,733	
39.	Pennsylvania	PA	L	6,235,154	1,029,818	233,015	7,497,987	358,903
40.	Rhode Island	RI	L	580,802	1,403,413	32,401	2,016,616	
41.	South Carolina	SC	L	622,832	858,518	33,279	1,514,629	
42.	South Dakota	SD	L	870,869	1,200		872,069	
43.	Tennessee	TN	L	1,277,765	1,121,529	28,764	2,428,058	77,429
44.	Texas	TX	L	4,061,446	2,915,651	35,430	7,012,527	
45.	Utah	UT	L	783,075	573,193	3,393	1,359,661	
46.	Vermont	VT	L	501,931	16,266	19,712	537,909	10,182,859
47.	Virginia	VA	L	3,181,184	138,155	95,934	3,415,272	2,168,974
48.	Washington	WA	L	2,243,409	588,912	53,413	2,885,733	434,316
49.	West Virginia	WV	L	326,324	65,622	33,992	425,937	
50.	Wisconsin	WI	L	1,021,781	541,427	74,782	1,637,989	60,941,706
51.	Wyoming	WY	L	87,058	8,000	3,765	98,822	
52.	American Samoa	AS	N					
53.	Guam	GU	N					
54.	Puerto Rico	PR	N	77,786			77,786	
55.	U.S. Virgin Islands	VI	N	11,430			11,430	
56.	Northern Mariana Islands	MP	N					
57.	Canada	CAN	N					
58.	Aggregate Other Aliens	OT	XXX	6,777			6,777	
59.	Subtotal	XXX		96,398,980	50,114,160	3,351,656	149,864,795	521,093,121
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		325,811			325,811	
94.	Aggregate or other amounts not allocable by State.....	XXX						
95.	Totals (Direct Business).....	XXX		96,724,791	50,114,160	3,351,656	150,190,606	521,093,121
96.	Plus Reinsurance Assumed.....	XXX						
97.	Totals (All Business).....	XXX		96,724,791	50,114,160	3,351,656	150,190,606	521,093,121
98.	Less Reinsurance Ceded.....	XXX		37,077,182		3,351,656	40,428,838	
99.	Totals (All Business) less Reinsurance Ceded.....	XXX		59,647,609	50,114,160		109,761,768	521,093,121
DETAILS OF WRITE-INS								
58001.	ZZZ Other Alien	XXX		6,777			6,777	
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		6,777			6,777	
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:

1. L - Licensed or Chartered - Licensed insurance carrier or domiciled RRG..... 51

2. R - Registered - Non-domiciled RRGs.....

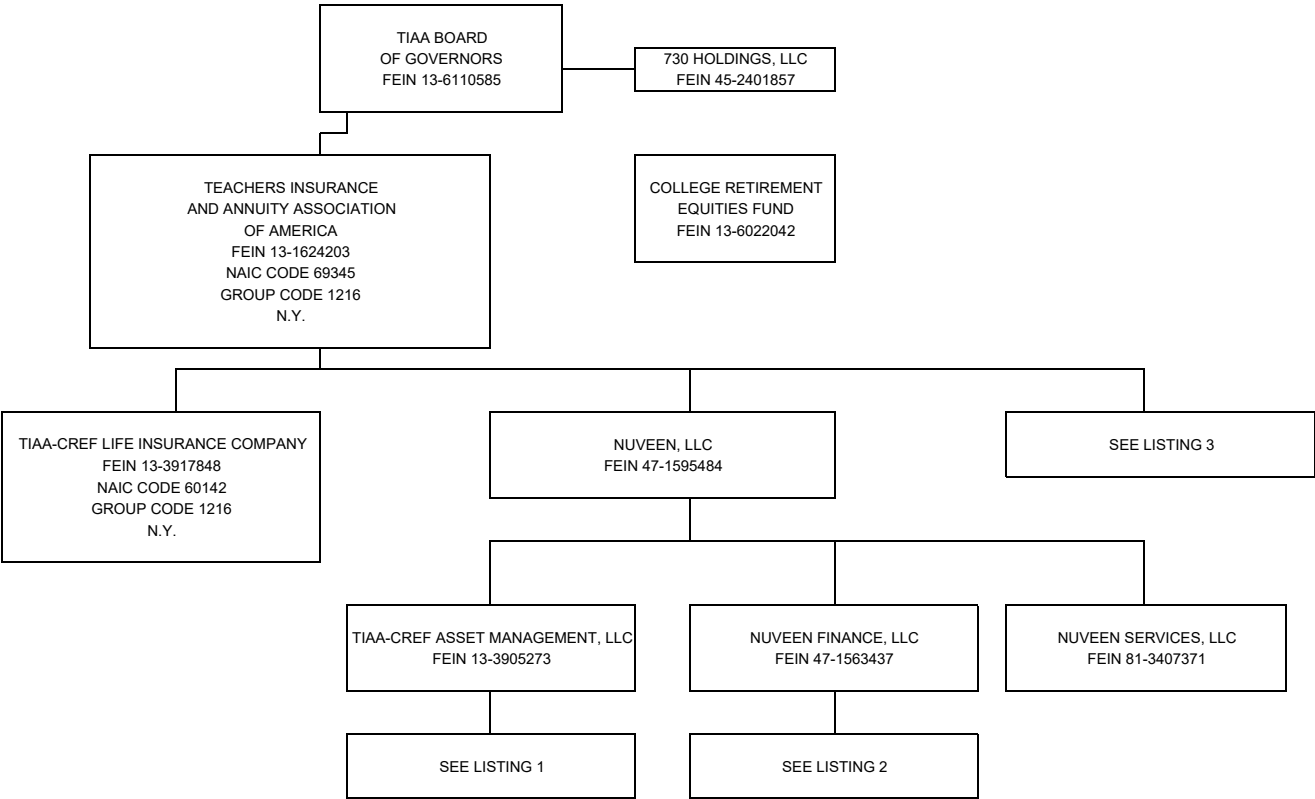
3. E - Eligible - Reporting entities eligible or approved to write surplus lines in the state.....

4. Q - Qualified - Qualified or accredited reinsurer.....

5. 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 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, 2023 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, 2023 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	Nuveen Global Impact Fund GP, LLC	84-5180164	SUBSIDIARY	Nuveen Private Capital LLC		SUBSIDIARY
TIAA International GP LLC	81-4374969	SUBSIDIARY	Nuveen Global Impact Fund Lux GP S.à r.l.		SUBSIDIARY	Arcmont Asset Management Holdco Ltd.		SUBSIDIARY
TIAA-CREF Investment Management, LLC	13-3556142	SUBSIDIARY	Nuveen International Subsidiary HC LLC	13-3556142	SUBSIDIARY	Arcmont Asset Management LLC	13-3556142	SUBSIDIARY
Nuveen Alternative Holdings, LLC	46-3870972	SUBSIDIARY	Nuveen Canada Company		SUBSIDIARY	Churchill Asset Management LLC	47-3155644	SUBSIDIARY
AGR Partners LLC	81-1467545	SUBSIDIARY	Nuveen Japan Co., Limited		SUBSIDIARY	CAM HR Resources LLC	36-4851864	SUBSIDIARY
AGR Ag Infrastructure GP, LLC	86-3201384	SUBSIDIARY	Nuveen Korea Co., Ltd.		SUBSIDIARY	CNV Investor GP, LLC		SUBSIDIARY
AGR Services LLC	36-4853278	SUBSIDIARY	TGAM Subsidiary HC LLC	81-4349631	SUBSIDIARY	Churchill Agency Services LLC	82-3187734	SUBSIDIARY
AGR Special Opportunities GP, LLC	85-2581992	SUBSIDIARY	TGAM APAC LLC	81-4290269	SUBSIDIARY	Churchill CAD GP General Partner, LLC	98-1694147	SUBSIDIARY
Nuveen Agribusiness Fund III GP, LLC	83-4328253	SUBSIDIARY	TGAM HK HC LLC	81-4323796	SUBSIDIARY	Churchill CAD GP, L.P.	98-1694147	SUBSIDIARY
Nuveen Agribusiness Fund III, LP	83-4307097	SUBSIDIARY	Nuveen Hong Kong Limited		SUBSIDIARY	Churchill CAD GP Limited Partner, LLC		SUBSIDIARY
TGAM Agribusiness Fund GP LLC	81-1870569	SUBSIDIARY	TGAM Asia LLC	81-4306975	SUBSIDIARY	Churchill Co-Investment Partners GP, LLC		SUBSIDIARY
AGR Services LLC	36-4853278	SUBSIDIARY	TGAM HK HC LLC	81-4323796	SUBSIDIARY	Churchill Feeder Fund GP II S.à r.l.		SUBSIDIARY
CAM HR Resources LLC	36-4851864	SUBSIDIARY	TIAA International APAC LLC	81-4499397	SUBSIDIARY	Churchill Fund GP II LLC	83-1177850	SUBSIDIARY
Global AG AIV (CN) GP, LLC	45-5044435	SUBSIDIARY	TGAM HK HC LLC	81-4323796	SUBSIDIARY	Churchill Junior Capital Opportunities Fund II Carry-Co, LLC		SUBSIDIARY
Global Agriculture AIV (CN), LP	45-5044681	SUBSIDIARY	TIAA International Asia LLC	81-4359164	SUBSIDIARY	Churchill Junior Capital Opportunities Fund II GP, LLC		SUBSIDIARY
Global Ag II AIV GP LLC	47-1192644	SUBSIDIARY	TGAM HK HC LLC	81-4323796	SUBSIDIARY	Churchill Junior Capital Opportunities Fund II GP Sarl		SUBSIDIARY
Global Agriculture II AIV, LP	47-1197292	SUBSIDIARY	TIAA International Subsidiary HC LLC	81-4390558	SUBSIDIARY	Churchill MMSLF Special GP LLC	85-3272173	SUBSIDIARY
GTR Investor Fund GP LLC	47-1208361	SUBSIDIARY	TGAM APAC LLC	81-4290269	SUBSIDIARY	Churchill Secondary Partners GP, LLC		SUBSIDIARY
NAP Investors GP, LLC	83-2245173	SUBSIDIARY	TGAM Asia LLC	81-4306975	SUBSIDIARY	Churchill Fund GP II Sarl	98-1449979	SUBSIDIARY
NCBDC Holdings LLC		SUBSIDIARY	TIAA International APAC LLC	81-4499397	SUBSIDIARY	Churchill Special Member LLC	82-0735838	SUBSIDIARY
Nuveen Churchill Advisors LLC		SUBSIDIARY	TIAA International Asia LLC	81-4359164	SUBSIDIARY	Churchill Warehouse LLC	82-3784145	SUBSIDIARY
NGC Master HoldCo LLC	88-1590237	SUBSIDIARY	TGAM APAC LLC	81-4290269	SUBSIDIARY	CMIC Funding GP LLC	87-2329839	SUBSIDIARY
NGC Senior Master Holdco LLC	88-3758314	SUBSIDIARY	TGAM Asia LLC	81-4306975	SUBSIDIARY	Nuveen Churchill Administration LLC		SUBSIDIARY
NGTF GP, LLC	88-2217234	SUBSIDIARY	TIAA International APAC LLC	81-4499397	SUBSIDIARY	Senior MPD Fund GP LLC	88-1339633	SUBSIDIARY
Nuveen Alternatives Advisors, LLC	45-4288013	SUBSIDIARY	TIAA International Asia LLC	81-4359164	SUBSIDIARY	TGAM Churchill Fund GP LLC	81-1817732	SUBSIDIARY
Churchill Fund III GP LLC		SUBSIDIARY	Nuveen Junior Capital Opportunities Fund GP S.à r.l.		SUBSIDIARY	Nuveen Real Estate Global LLC	81-4262460	SUBSIDIARY
Nuveen Churchill Direct Lending Corp.		SUBSIDIARY	Nuveen Natural Capital, LLC	87-4688838	SUBSIDIARY	Omni Holding Company LLC	47-2437568	SUBSIDIARY
TPS Investors GP, LLC	82-1917856	SUBSIDIARY	Beaver Investments Holdings, LLC	45-5558395	SUBSIDIARY	Paths Construction LLC	92-2846553	SUBSIDIARY
Nuveen Alternatives Services, LLC	45-4288091	SUBSIDIARY	GreenWood Resources, Inc.	80-0026976	SUBSIDIARY	Paths Development LLC	92-2847109	SUBSIDIARY
GAP II NZ GP Limited		SUBSIDIARY	GreenWood Resources Capital Management, LLC	45-1875074	SUBSIDIARY	Paths Management Services LLC	92-0783544	SUBSIDIARY
TIAA European Farmland Fund GP LP	98-1310748	SUBSIDIARY	Greenwood Resources Forest Management, LLC	47-4557075	SUBSIDIARY	Paths RMS LLC	92-2847517	SUBSIDIARY
TCAS Global Investments LLC	47-1515836	SUBSIDIARY	GreenWood Resources Poland sp. z o.o.	98-1016335	SUBSIDIARY	Reliant Safety	92-2886561	SUBSIDIARY
Nuveen CP Holdings 1 LLC	86-3136043	SUBSIDIARY	GWR Uruguay S.A.		SUBSIDIARY	Nuveen Global Investments LLC	26-2748598	SUBSIDIARY
Nuveen CP LLC	47-5515604	SUBSIDIARY	Greenwood Resources Colombia SAS		SUBSIDIARY	Nuveen GP Holding Company LLC	82-2986445	SUBSIDIARY
Nuveen CP Holdings 2 LLC	86-3147529	SUBSIDIARY	NNC NGTF, LLC	93-1874675	SUBSIDIARY	Nuveen Casa Bonita SMA GP LLC	88-4085231	SUBSIDIARY
Nuveen CP LLC	47-5515604	SUBSIDIARY	Westchester Group Investment Management Holding Company, Inc.	27-3416812	SUBSIDIARY	Nuveen CRED GP Member LLC	82-4598778	SUBSIDIARY
Greenworks Lending LLC	47-3234364	SUBSIDIARY	Westchester Group Investment Management, Inc.	27-3417683	SUBSIDIARY	CRED GP LLC	82-3751720	SUBSIDIARY
PACEWell 1 LLC	87-1326451	SUBSIDIARY	Nuveen Natural Capital Chile SpA		SUBSIDIARY	Nuveen Cred Rated Feeder GP LLC	85-2413081	SUBSIDIARY
PACEWell 4 LLC	87-3649944	SUBSIDIARY	Nuveen Natural Capital LATAM Gestao De Ativos Ltda		SUBSIDIARY	Nuveen Real Estate U.S. Strategic Alternatives Fund I GP LLC	86-1561520	SUBSIDIARY
PACEWell 5 Depositor LLC	87-3650389	SUBSIDIARY	Nuveen Natural Capital Limited		SUBSIDIARY	Nuveen Real Estate U.S. Impact Housing Fund GP LLC	88-1469500	SUBSIDIARY
PACEWell 5 LLC		SUBSIDIARY	Nuveen Natural Capital SRL		SUBSIDIARY	U.S. Cities Diversified Fund GP LLC	92-2350406	SUBSIDIARY
PACEWell 6 Depositor LLC	92-0681712	SUBSIDIARY	Plata Wine Partners, LLC	87-0735518	SUBSIDIARY	U.S. Cities Diversified Fund LP	92-2329690	SUBSIDIARY
PACEWell 6 LLC	88-4182935	SUBSIDIARY	The Plata Wine Partners Trust	37-6589484	SUBSIDIARY	U.S. Cities Diversified Fund Operating GP LLC	92-2330086	SUBSIDIARY
PACEWell 7 LLC	92-243435	SUBSIDIARY	Westchester Group Farm Management, Inc.	37-1193973	SUBSIDIARY	U.S. Cities Diversified Fund Operating LP	92-2350698	SUBSIDIARY
PACEWell 8 Depositor LLC	92-2105847	SUBSIDIARY	Westchester Group Real Estate, Inc.	37-1194491	SUBSIDIARY			
PACEWell 8 LLC	92-2080938	SUBSIDIARY	Westchester NGFF Investment LLC	84-3766552	SUBSIDIARY			
PACEWell 9 LLC	92-2177174	SUBSIDIARY						
NGC TT 1 LLC	92-0316285	SUBSIDIARY						
PACE Financial Servicing LLC	46-4998151	SUBSIDIARY						
Nuveen CPACE Lending GP LLC	83-1847737	SUBSIDIARY						
Nuveen Global Farmland Fund GP, LLC	84-1819349	SUBSIDIARY						
Nuveen Global Farmland Fund Lux GP S.à r.l.	98-1638974	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) 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.

(3) 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

(4) Nuveen CP LLC is owned 79.2% by Nuveen CP Holdings 1 LLC and 0.8% by Nuveen CP Holdings 2 LLC

(5) TGAM APAC LLC is ultimately controlled and owned entirely by TIAA, with TGAM Subsidiary HC LLC, TIAA International Subsidiary HC LLC and Nuveen International Holdings LLC each owning 33.33%

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

(7) TGAM Asia LLC is ultimately controlled and owned entirely by TIAA, with TGAM Subsidiary HC LLC, TIAA International Subsidiary HC LLC and Nuveen International Holdings LLC each owning 33.33%

(8) TIAA International APAC LLC is ultimately controlled and owned entirely by TIAA, with TGAM Subsidiary HC LLC, TIAA International Subsidiary HC LLC and Nuveen International Holdings LLC each owning 33.33%

(9) TIAA International Asia LLC is ultimately controlled and owned entirely by TIAA, with TGAM Subsidiary HC LLC, TIAA International Subsidiary HC LLC and Nuveen International Holdings LLC each owning 33.33%

SCHEDULE Y - INFORMATION CONCERNING ACTIVITIES OF INSURER MEMBERS OF A HOLDING COMPANY GROUP
PART 1 - ORGANIZATIONAL CHART
STATEMENT AS OF JUNE 30, 2023 OF THE TIAA-CREF LIFE INSURANCE COMPANY

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

COMPANY	FEIN	RELATIONSHIP
Nuveen Alternative Holdings, LLC (continued)		
Nuveen Real Estate Global LLC (continued)		
U.S. Cities Multifamily Fund GP LLC	35-2633108	SUBSIDIARY
U.S. Cities Retail Fund GP LLC	82-4064235	SUBSIDIARY
U.S. Cities Workplace Fund GP LLC		SUBSIDIARY
U.S. Single-Family Rental Fund I GP LLC	88-0587813	SUBSIDIARY
U.S. Single-Family Rental Fund I LP	88-0582227	SUBSIDIARY
U.S. Single-Family Rental Fund I Holding Company LLC	88-0582051	SUBSIDIARY
U.S. Strategic Industrial Fund II GP LLC	85-2037572	SUBSIDIARY
Nuveen Imajin Holdings Member LLC	85-2857187	SUBSIDIARY
Imajin Homes Holdings, LLC	85-2534232	SUBSIDIARY
Imajin Services LLC	82-1051997	SUBSIDIARY
Imajin Asset Manager LLC	85-2545463	SUBSIDIARY
NR Sparrow Realty Managing Member I, LLC		SUBSIDIARY
SAF Sparrow Realty Managing Member I, LLC	87-1466953	SUBSIDIARY
Sparrow Realty Investment I Managing Member LLC	85-2603852	SUBSIDIARY
Sparrow Realty Investment II Managing Member, LLC		SUBSIDIARY
USCMF Sparrow Realty Managing Member I, LLC	87-1174074	SUBSIDIARY
Nuveen MyPlace Holdings Member LLC	92-1280325	SUBSIDIARY
Nuveen Permian Investor Asset Manager Member LLC	81-5466713	SUBSIDIARY
Permian Investor Asset Manager LLC	82-0631410	SUBSIDIARY
Nuveen Permian Investor GP Member LLC	82-0607358	SUBSIDIARY
Nuveen Real Estate Global Cities Advisors LLC	82-3426937	SUBSIDIARY
Nuveen Development Management Services LLC	84-2502695	SUBSIDIARY
TIAA International Holdings 1 Limited	46-1162850	SUBSIDIARY
Clean Energy Partners HoldCo LLP		SUBSIDIARY (10)
Nuveen Investment Management Holdings Limited	98-1125673	SUBSIDIARY (11)
TIAA International Holdings 2 Limited	46-1163394	SUBSIDIARY
Clean Energy Partners HoldCo LLP		SUBSIDIARY (10)
Clean Energy Partners LLP		SUBSIDIARY
Glennmont Asset Management Limited		SUBSIDIARY
Clean Energy Partners CEP 2012 Limited		SUBSIDIARY
Glennmont Partners I Limited		SUBSIDIARY
Clean Energy Partners CEP Services Limited		SUBSIDIARY
Glennmont Partners III S.& r.l.		SUBSIDIARY
Glennmont Partners IV S.& r.l.		SUBSIDIARY
Glennmont REBS Europe S.& r.l.		SUBSIDIARY
Nuveen Energy Transition European Fund II GP S.& r.l.		SUBSIDIARY
TIAA International Holdings 3 Limited		SUBSIDIARY
Nuveen Investment Management Holdings Limited	98-1125673	SUBSIDIARY (11)
Nuveen Administration Ltd	98-1127648	SUBSIDIARY
Henderson European Retail Property Fund Management Sarl		SUBSIDIARY
Nuveen Alternatives Europe S.& r.l.		SUBSIDIARY
Nuveen Asset Management Europe S.& r.l.		SUBSIDIARY
Nuveen Fund Management (Jersey) Limited		SUBSIDIARY
Nuveen Management AIFM Limited		SUBSIDIARY
Nuveen Management Company (Luxembourg) No 1 S.& r.l.		SUBSIDIARY
Nuveen Property Management (Jersey) Limited		SUBSIDIARY
Nuveen FCACO Ltd	98-1128787	SUBSIDIARY
Nuveen Investment Management International Limited		SUBSIDIARY
Nuveen Group Holdings Ltd	98-1127632	SUBSIDIARY
Anglo-Sino Henderson Investment Consultancy (Beijing) Co Limited		SUBSIDIARY
CLOF II (CPI) Limited		SUBSIDIARY
CLOF II Vanquish Limited		SUBSIDIARY

(10) 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.

(11) Nuveen Investment Management Holdings 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.

(12) 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.& r.l.

LISTING 2 (NUVEEN FINANCE, LLC):

COMPANY	FEIN	RELATIONSHIP
Nuveen Holdings 1, Inc.	81-3425820	SUBSIDIARY
Nuveen Holdings, Inc.	26-0373324	SUBSIDIARY
Nuveen Investments, Inc.	36-3817266	SUBSIDIARY
Gresham Asset Management LLC	26-0627593	SUBSIDIARY
Gresham Investment Management LLC	20-1930384	SUBSIDIARY
Gresham Investment Management Asia Pte. Ltd.		SUBSIDIARY
NISR&T, Inc.	36-3293941	SUBSIDIARY
Nuveen Alternative Investments, LLC	36-4839486	SUBSIDIARY
Nuveen Fund Advisors, LLC	31-0942504	SUBSIDIARY
Nuveen Asset Management, LLC	27-4357327	SUBSIDIARY
Nuveen Funds GP I, LLC		SUBSIDIARY
Symphony Alternative Asset Management LLC	83-4025630	SUBSIDIARY
Symphony Risk Retention Finance LLC	94-3252504	SUBSIDIARY
SRR 1 LLC	30-1032009	SUBSIDIARY
Nuveen Investments Holdings, Inc.	36-7364377	SUBSIDIARY
Nuveen NWQ Holdings, LLC	36-4709028	SUBSIDIARY
NWQ Partners, LLC	30-0892190	SUBSIDIARY
NWQ Investment Management Company, LLC	47-0875103	SUBSIDIARY
Nuveen WCM Holdings, LLC	37-1695518	SUBSIDIARY
Winslow Capital Management, LLC	90-0860898	SUBSIDIARY
Growth Capital GP I, LLC	81-0730906	SUBSIDIARY
Nuveen Securities, LLC	36-2639476	SUBSIDIARY
Teachers Advisors, LLC	13-3760073	SUBSIDIARY
Coinvest Member LLC	82-1157427	SUBSIDIARY
Nuveen TALF Opportunity GP, LLC		SUBSIDIARY

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

STATEMENT AS OF JUNE 30, 2023 OF THE TIAA-CREF LIFE INSURANCE COMPANY

LISTING 3:

COMPANY	FEIN	RELATIONSHIP
485 Properties, LLC	13-3987258	SUBSIDIARY
730 Data Centers, LLC	81-3091169	SUBSIDIARY
730 Databridge, LLC	81-3106043	SUBSIDIARY
Rocket 730 Data Bridge, LP		
730 Fiber, LLC		SUBSIDIARY
Arcadian Infracom 1, LLC	85-2250697	SUBSIDIARY
730 Lighting, LLC	92-0957966	SUBSIDIARY
730 Power Development, LLC	47-2616735	SUBSIDIARY
730 Carroll, LLC	47-2622825	SUBSIDIARY
730 Cricket, LLC		SUBSIDIARY
730 Rail LLC		SUBSIDIARY
730 Chrrail LLC		SUBSIDIARY
730 Telecom LLC	47-5363027	SUBSIDIARY
730 Transmission, LLC		SUBSIDIARY
730 Hotspur, LLC		SUBSIDIARY
730 Texas Forest Holdings, Inc.	13-4042885	SUBSIDIARY
730 Texas Timberlands II, Ltd.	51-0494351	SUBSIDIARY
730 Texas Timberlands, Ltd.	13-4042888	SUBSIDIARY
730 Texas Timberlands II, Ltd.	51-0494351	SUBSIDIARY
TIAA Timberlands I, LLC	13-4040842	SUBSIDIARY
730 Texas Timberlands, Ltd.	13-4042888	SUBSIDIARY
TIAA Timberlands II, LLC	13-4085431	SUBSIDIARY
Actoil, LLC	38-3847245	SUBSIDIARY
Actoil Colorado, LLC	46-3373066	SUBSIDIARY
Broadleaf Timberland Investments, LLC	46-1952974	SUBSIDIARY
Quercus Forestland Account, LLC	26-4647417	SUBSIDIARY
Quercus Algoma Corporation		SUBSIDIARY
Quercus Algoma Land Corporation		SUBSIDIARY
Quercus West Virginia, LLC	46-2916514	SUBSIDIARY
Canadian Infrastructure Investments, LLC	26-4248579	SUBSIDIARY
2234328 Alberta ULC	98-1523334	SUBSIDIARY
Polar Star Canadian Oil and Gas Holding, ULC		SUBSIDIARY
Casa Student Housing Fund Holdings, LLC	47-2167228	SUBSIDIARY
PEP-TH CASA Student Housing, LLC	47-4455610	SUBSIDIARY
CSHF-PEP Purdue LLC	47-4455303	SUBSIDIARY
CSHF-PEP USF LLC	0985548	SUBSIDIARY
Ceres Agricultural Properties, LLC	56-2672630	SUBSIDIARY
Premiere Agricultural Properties, LLC	37-1555322	SUBSIDIARY
Loma del Rio Vineyards, LLC		SUBSIDIARY
Premiere Columbia Properties, LLC	36-4620107	SUBSIDIARY
Premiere Farm Properties, LLC	30-0449681	SUBSIDIARY
International Agricultural Investors, LLC	26-0352203	SUBSIDIARY
IAI Australia Pty, Ltd.		SUBSIDIARY
IAI Australia Trust		SUBSIDIARY
IAI USA, LLC	26-0460488	SUBSIDIARY
International Agricultural Investors Fund II, LLC	26-2745365	SUBSIDIARY
IAI Australia Fund II, Pty, Ltd.		SUBSIDIARY
IAI Australia Fund II Trust		SUBSIDIARY
IAI USA Fund II, LLC	26-2747755	SUBSIDIARY
Churchill Junior Capital Opportunities Fund II, L.P.		
Churchill Middle Market CLO IV Ltd.	98-1402136	SUBSIDIARY
Churchill Middle Market Senior Loan Fund, LP	81-1810508	SUBSIDIARY
Churchill Middle Market Senior Loan Fund III, LP		
Churchill MM Warehouse LLC		SUBSIDIARY
Distressed Opportunities Fund, L.P.	26-3561447	SUBSIDIARY

COMPANY	FEIN	RELATIONSHIP
CPFUIJR JV Member LLC	81-2914964	SUBSIDIARY
CPFUIJR Joint Venture LLC	81-2928112	SUBSIDIARY
CPF 636 Sixth Avenue LLC	81-2955427	SUBSIDIARY
Rocket 730 Data Bridge, LP		
CPF 1511 Third Avenue LLC	81-2973332	SUBSIDIARY
T-C 1608 Chestnut General Partner LLC	47-3357982	SUBSIDIARY
1608 Chestnut Partners LP	23-3049052	SUBSIDIARY
T-C 1608 Chestnut Limited Partner LLC	47-3337561	SUBSIDIARY
1608 Chestnut Partners LP	23-3049052	SUBSIDIARY
Demeter Agricultural Properties, LLC	26-3049305	SUBSIDIARY
Dionysus Properties, LLC	45-2632248	SUBSIDIARY
Silverado Premium Properties, LLC	94-3306131	SUBSIDIARY
Arroya Loma, LLC	68-0436609	SUBSIDIARY
Chalk Ridge Vineyard, LLC	75-3025596	SUBSIDIARY
Hobson Avenue Vineyard, LLC	20-3964695	SUBSIDIARY
Marsino Vineyard, LLC	26-1542713	SUBSIDIARY
Silverado Los Alamos Vineyards, LLC	20-2103733	SUBSIDIARY
Mesa Del Rio Vineyard, LLC	85-1933477	SUBSIDIARY
Silverado SLO Vineyards, LLC	20-2490906	SUBSIDIARY
Silverado Sonoma Vineyard, LLC	20-2103788	SUBSIDIARY
SPP Napa Vineyards, LLC	68-0466083	SUBSIDIARY
Stanly Ranch Vineyards, LLC	94-3361818	SUBSIDIARY
Suscol Mountain Vineyards, LLC	26-3774024	SUBSIDIARY
Terra Ventosa Vineyards, LLC	26-2766605	SUBSIDIARY
Silverado Winegrowers Holdings, LLC	43-3997217	SUBSIDIARY
Silverado Winegrowers LLC	68-0443927	SUBSIDIARY
Alta Loma Vineyard, LLC	94-3357571	SUBSIDIARY
Silverado Suscol, LLC	91-1806950	SUBSIDIARY
SWG Paso Vineyard, LLC	45-4820104	SUBSIDIARY
DWM Inclusive Finance Equity Fund II	98-0580879	AFFILIATE
DWM Microfinance Equity Fund I	98-0580879	AFFILIATE
Global Real Estate Debt Partners – Fund I (UK) SCSp		
Global Real Estate Debt Partners – Fund II (UK) SCSp		
Global Real Estate Debt Partners – Fund III (UK) SCSp		
GreshamQuant SAIFI Fund, L.L.C.	87-2192709	SUBSIDIARY
Growth Capital Fund I, L.P.	87-4196668	SUBSIDIARY
Inception GP LLC		SUBSIDIARY
Infra Alpha, LLC	27-4149157	SUBSIDIARY
L.A. Teak Holdings, LLC	84-4309290	SUBSIDIARY
Apical Reforestadora S.A.		SUBSIDIARY
Quercus Panama, LLC		SUBSIDIARY
Landed Educator Retention Fund, LP	84-2323824	AFFILIATE
Lewis & Clark Timberlands, LP	47-4169877	SUBSIDIARY
L&C Log Co, LLC	47-4187541	SUBSIDIARY
L&C Tree Farm, LLC	47-4196668	SUBSIDIARY
L&C TRS LLC	47-5300478	SUBSIDIARY
MM Funding, LLC	13-1624203	SUBSIDIARY
MyVest Corporate		SUBSIDIARY
NBPT Aggregator LLC		SUBSIDIARY
NGFF Holdco, LLC	84-2320652	SUBSIDIARY
Global Farmland Properties LLC	84-1834824	SUBSIDIARY
US Horticulture Farmland, LLC	85-3631808	SUBSIDIARY
US Row Farmland, LLC	84-1842298	SUBSIDIARY
US Viticulture Farmland, LLC	84-1880235	SUBSIDIARY

COMPANY	FEIN	RELATIONSHIP
Mansilla Participacoes LTDA		SUBSIDIARY
Radar Propriedades Agricolas S.A.		SUBSIDIARY
Nova Amaralina Propriedades Agricolas S.A		SUBSIDIARY
CPF 856 Market Street LLC		SUBSIDIARY
Nova Santa Barbara Agricola S.A.		SUBSIDIARY
Terras da Ponte Alta S.A.		SUBSIDIARY
Radar II Propriedades Agricolas S.A.		AFFILIATE
Bioinvestments Negocios e Participacoes		AFFILIATE
Castanheira Propriedades Agricolas S.A		AFFILIATE
Manacá Propriedades Agricolas S.A		AFFILIATE
Paineira Propriedades Agricolas S.A		AFFILIATE
Proud Participacoes S.A.		AFFILIATE
Radar Propriedades Agricolas S.A		AFFILIATE
Vale De Ponte Alta S.A.		AFFILIATE
New York City Property Fund II LP	82-4183425	SUBSIDIARY
15 Laight Street Holdings LLC	87-4474636	SUBSIDIARY
15 Laight Street Lender LLC	87-4553231	SUBSIDIARY
Cory Road REIT LLC	87-3846434	SUBSIDIARY
Cory Road Operating LP	87-3847578	SUBSIDIARY
Cory Road Associates LLC	87-3737804	SUBSIDIARY
Cory Road TRS LP	87-4032308	SUBSIDIARY
NYCPF II 94th Street Pooling LP	87-3763569	SUBSIDIARY
309 East 94th Street Holdings LLC		SUBSIDIARY
309 East 94th Street Associates LLC		SUBSIDIARY
New York City Property Fund REIT LLC	83-4678924	SUBSIDIARY
New York City Fund Operating GP LLC	83-4701919	SUBSIDIARY
New York City Property Fund Operating LP	83-4671194	SUBSIDIARY
125 West End Investors LLC	84-3388831	SUBSIDIARY
125 West End Holdings LLC	84-3408615	SUBSIDIARY
125 West End Associates LLC	83-4653622	SUBSIDIARY
Ridge Hill Holdings LLC	86-4309659	SUBSIDIARY
Ridge Hill Associates LLC	36-5014830	SUBSIDIARY
NGTF Holdco, LLC	92-0403836	SUBSIDIARY
NRFC Inception IV, LP	46-2031403	SUBSIDIARY
NRFC Inception V, LP	46-2062147	SUBSIDIARY
Nuveen CLO Issuance Fund LP	98-1549843	SUBSIDIARY
Nuveen Global Impact Fund LP	84-5180286	SUBSIDIARY
Nuveen High Yield Municipal Opportunities Fund LP	83-4357309	SUBSIDIARY
Nuveen Real Estate U.S. Impact Housing Fund LP	86-1470959	SUBSIDIARY
Nuveen Real Estate U.S. Impact Housing Fund REIT LLC	86-1539505	SUBSIDIARY
Nuveen Real Estate U.S. Impact Housing Fund Operating GP LLC	88-1470699	SUBSIDIARY
IHF FA Woodbridge Investor Member LLC	88-3423227	SUBSIDIARY
USHF GP Holdco LLC	92-0790831	SUBSIDIARY
USHF GP NY Holdco LLC	92-1460099	SUBSIDIARY
USHF Tressa LP LLC	92-3365006	SUBSIDIARY
Nuveen Real Estate U.S. Strategic Alternatives Fund I LP	86-1702891	SUBSIDIARY
Nuveen Real Estate U.S. Strategic Lab Vehicle LP	88-1443255	SUBSIDIARY
Nuveen Real Estate U.S. Strategic Lab Vehicle REIT LLC	86-2640357	SUBSIDIARY
Nuveen Real Estate U.S. Strategic Lab Vehicle REIT Sub GP LLC		SUBSIDIARY
Nuveen Real Estate U.S. Strategic Lab Vehicle REIT Sub LP		SUBSIDIARY
Nuveen Real Estate U.S. Strategic Lab Vehicle Non-REIT LLC	86-2561353	SUBSIDIARY

(13) 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%.

(14) 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.

(15) 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.

(16) 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.

(17) Global Real Estate Debt Partners – Fund I (UK) SCSp is controlled by TIAA, which owns 36.5%. T-C Lux Investments Special Limited Partnership, which is 100% owned by TIAA, owns 24.3%.

(12) 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.&I.

(18) 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, 2023 OF THE TIAA-CREF LIFE INSURANCE COMPANY

LISTING 3 (CONTINUED):

COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP
ND Properties, LLC	11-3034756	SUBSIDIARY	ND Properties LLC (continued)			T-C SBMC Joint Venture LLC	46-3007720	SUBSIDIARY	T-C Europe LP (continued)		
Norteshopping Retail and Leisure Centre BV		SUBSIDIARY	60 Great Portland Street Unit Trust		AFFILIATE	T-C SMA 2, LLC	36-4620008	SUBSIDIARY	T-C Storage Portfolio HoldCo Sà r.l.		SUBSIDIARY
Norteshopping - Centro Commercial, S.A.		SUBSIDIARY	70 St Mary Axe Unit Trust		AFFILIATE	PennMuni-TIAA U.S. Real Estate Fund, LLC	36-4619998	SUBSIDIARY	T-C Storage HoldCo AB		SUBSIDIARY
ND Europe Office Holding S.à r.l.		SUBSIDIARY	London Belgrave Unit Trust		AFFILIATE	T-C SV Member LLC		AFFILIATE	Green S. AS		SUBSIDIARY
Cityhold Nympe S.à r.l.		AFFILIATE	CLOF Victoria Nominee 1 Limited		AFFILIATE	T-C S-T REIT LLC		SUBSIDIARY	24Storage Property Export Kommanditbolag		SUBSIDIARY
Cityhold Propco 11 S.à r.l.		AFFILIATE	CLOF Victoria Nominee 2 Limited		AFFILIATE	T-C The Edge at Flagler Village, LLC	81-2204918	SUBSIDIARY	24Storage Property Fyrislund AB		SUBSIDIARY
OVG Cloud S.à r.l.		AFFILIATE	New Fetter Lane Unit Trust		AFFILIATE	T-C Australia RE Holdings I, LLC	81-2490530	SUBSIDIARY	24Storage Property Handen Kommanditbolag		SUBSIDIARY
Cityhold Euro S.à r.l.		AFFILIATE	60 Great Portland Street Unit Trust		AFFILIATE	T-C Australia RE Holdings II, LLC	81-2506975	SUBSIDIARY	24Storage Property Kalhäll AB		SUBSIDIARY
Cityhold Office Partnership S.à r.l.		AFFILIATE	SMA Holding S.à r.l.		AFFILIATE	TIAA Australia Real Estate Trust		SUBSIDIARY	24Storage Property Kungsholmen AB		SUBSIDIARY
CHOP OPCl		AFFILIATE	70 St Mary Axe Unit Trust		AFFILIATE	TIAA Melbourne Retail Holding 1 Trust		SUBSIDIARY	24Storage Property Lagningen AB		SUBSIDIARY
Cityhold Iconic Holding SAS	98-1435873	AFFILIATE	HV Properties S.à r.l.		AFFILIATE	TGA Miller Street Trust		SUBSIDIARY	24Storage Property Lärkrådet AB		SUBSIDIARY
Cityhold Iconic Hotel SNC	98-1433967	AFFILIATE	HV Freehold S.à r.l.		AFFILIATE	TIAA Melbourne Retail Holding 1 Trust		SUBSIDIARY	24Storage Property Lokal AB		SUBSIDIARY
Cityhold Iconic Office SCI	98-1433956	AFFILIATE	TIAA Lux 9 S.à r.l.		AFFILIATE	TIAA Melbourne Retail Asset 1 Trust		SUBSIDIARY	24Storage Property Lundavägen AB		SUBSIDIARY
Cityhold Iconic Retail SNC	98-1433960	AFFILIATE	SAS Malachite		AFFILIATE	TGA Australia Real Estate Trust 2		SUBSIDIARY	24Storage Property Orminge AB		SUBSIDIARY
Cityhold Iconic Youth Hostel SNC	98-1433975	AFFILIATE	SNC Garnet-TIAA		AFFILIATE	TGA PBSA Hold Trust		SUBSIDIARY	24Storage Property Täby AB		SUBSIDIARY
Cityhold EST Investment S.à r.l.		AFFILIATE	SNC La Defense		AFFILIATE	TGA PBSA Asset Trust 1		SUBSIDIARY	24Storage Property Tyresö AB		SUBSIDIARY
Cityhold Prinses Cooperatief U.A.		AFFILIATE	SNC Lazuli		AFFILIATE	TGA PBSA Asset Trust 2		SUBSIDIARY	24Storage Property Uddevalla AB		SUBSIDIARY
Cityhold Prinses AcquiCo B.V.		AFFILIATE	SNC Peridot		AFFILIATE	TGA PBSA Asset Trust 3		SUBSIDIARY	24Storage Service 2 AB		SUBSIDIARY
Ark Portfolio Owner Prinses B.V.		AFFILIATE	T-C Pep Holding S.à r.l.		SUBSIDIARY	TGA PBSA Asset Trust 5		SUBSIDIARY	24Storage Service 3 AB		SUBSIDIARY
Cityhold Jobbe SAS		AFFILIATE	T-C Pep Asset S.à r.l.		SUBSIDIARY	TGA PBSA Hold Trust 2		SUBSIDIARY	24Storage Service 4 AB		SUBSIDIARY
Cityhold Jobbe SCI		AFFILIATE	TIAA Lux 11 S.à r.l.		SUBSIDIARY	TGA PBSA Asset Trust 4		SUBSIDIARY	24Storage Service AB		SUBSIDIARY
Cityhold Nympe S.à r.l.		AFFILIATE	Gropius Passagen Verwaltungs GmbH		SUBSIDIARY	T-C Europe Holding Inc.	47-2363168	SUBSIDIARY	24Storage Systems & Brand AB		SUBSIDIARY
Cityhold Propco 6 S.à r.l.		AFFILIATE	Gropius Passagen GmbH & Co KG		SUBSIDIARY	T-C Europe LP	47-2369576	SUBSIDIARY	Green S Andelar AB		SUBSIDIARY
Cityhold Iconic Hotel OPCO SAS	98-1433939	AFFILIATE	Gropius S.à r.l.		SUBSIDIARY	T-C Europe LP	47-2369576	SUBSIDIARY	Green S Bixtjuset 15 AB		SUBSIDIARY
Cityhold Iconic Investment S.à r.l.	98-1435880	AFFILIATE	Gropius Passagen GmbH & Co KG		SUBSIDIARY	T-C Europe S.à r.l.		SUBSIDIARY	Green S Bygg AB		SUBSIDIARY
Cityhold Propco 9 S.à r.l.		AFFILIATE	TIAA Lux 5 S.à r.l.		SUBSIDIARY	Nightingale LuxCo S.à r.l.		SUBSIDIARY	Green S Ekfatet 4 AB		SUBSIDIARY
36 Rue La Fayette SAS		AFFILIATE	Occator Agricultural Properties, LLC	26-4750562	SUBSIDIARY	T-C Nordics Investment AB		SUBSIDIARY	Green S Huvudsta 3 29 AB		SUBSIDIARY
SAS Roosevelt		AFFILIATE	AGR Agricultural Investments, LLC	46-1768969	SUBSIDIARY	T-C Denmark ApS		SUBSIDIARY	Green S Ny 20 AB		SUBSIDIARY
SNC Roosevelt		AFFILIATE	Mandala Food Co-Investment Holdings II SPV		SUBSIDIARY	Nordsjællandshusene 2 ApS		SUBSIDIARY	Green S Portföj 1 AB		SUBSIDIARY
Roosevelt Participation S.à r.l.		AFFILIATE	Otto's South Vineyard, LLC	85-1933477	SUBSIDIARY	Nordsjællandshusene 3 ApS		SUBSIDIARY	Green S Portföj 2 AB		SUBSIDIARY
SNC Roosevelt		AFFILIATE	Pinnacle Third Avenue, LP	26-3821015	AFFILIATE	T-C Europe LuxCo 1 S.à r.l.		SUBSIDIARY	Green S Rasten 2 AB		SUBSIDIARY
Courcelles 70 SAS		AFFILIATE	Renewable Power Fund Plus, LP		SUBSIDIARY	OBP 2700 Jersey Property Unit Trust		SUBSIDIARY	Green S Söderbymalm 7 14 AB		SUBSIDIARY
Cityhold Euro S.à r.l.		AFFILIATE	Renewable Timber Europe, LLC	45-2792614	SUBSIDIARY	T-C Luxembourg Neptune Holdings S.à r.l.		SUBSIDIARY	Green S Vreten 12 KB		SUBSIDIARY
Cityhold Propco 7 S.à r.l.		AFFILIATE	Renewable Timber Netherlands B.V.		SUBSIDIARY	T-C Neptune Holdings S. à r.l.		SUBSIDIARY	Green Storage AB		SUBSIDIARY
Cityhold Propco 10 S.à r.l.		AFFILIATE	Topola Lasz Spolka z.o.o.	61-1640765	SUBSIDIARY	Neptune Property Venture S.à r.l.		SUBSIDIARY	T-C Storage BidCo AB		SUBSIDIARY
Cityhold Gouden Bocht B.V.		AFFILIATE	REP Coinvest III TEC, L.P.		AFFILIATE	Castel Guelfo I SRL		SUBSIDIARY	TC-Norway AS		SUBSIDIARY
Cityhold Gouden Bocht Monumenten B.V.		AFFILIATE	Seven30 Insurance (Bermuda) Co. Limited	98-1718925	SUBSIDIARY	Neptune Holding Spain, S.L.		SUBSIDIARY	Blittveien 6 AS		SUBSIDIARY
Cityhold Propco 12 S.à r.l.	98-1438330	AFFILIATE	SHF-Millennium One Apts, LLC	47-3994280	SUBSIDIARY	Promcat Alternativa, S.L.		SUBSIDIARY	Lonningsflaten 22 Eiendom AS		SUBSIDIARY
OVG Cloud S.à r.l.		AFFILIATE	SHF-The Rocks Apts, LLC	81-2450195	SUBSIDIARY	Neptune Nassica Propco S.L.		SUBSIDIARY	Skedsmo Logistik AS		SUBSIDIARY
Cityhold GC Investment S.à r.l.		AFFILIATE	Siguler Gulf Third Avenue, L.P.	03-0543113	SUBSIDIARY	Neptune Gatafe Propco S.L.		SUBSIDIARY			
Cityhold Grand Central Berlin SCS		AFFILIATE	Social Infra, LLC		SUBSIDIARY	Neptune San Sebastian Outlet S.L.		SUBSIDIARY			
Cityhold UK Holding S.à r.l.		AFFILIATE	Stichting Bewaarder Ziemia Fund		AFFILIATE	Neptune Ursus SP. z.o.o.		SUBSIDIARY			
Cityhold Belgrave Operational Investment S.à r.l.		AFFILIATE	T-C 699 Bourke Street LLC	46-4969690	SUBSIDIARY	Neptune Annapol SP. z.o.o.		SUBSIDIARY			
Cityhold Belgrave Operational Holding S.à r.l.		AFFILIATE	T-C MV Member LLC	81-4583865	SUBSIDIARY	Neptune Las Rozas Outlet S.L.		SUBSIDIARY			
Belgrave House Operational Unit Trust		AFFILIATE	T-C M-T REIT LLC	81-4599024	SUBSIDIARY	Neptune Poznan SP. z.o.o.		SUBSIDIARY			
Cityhold UK Investment S.à r.l.		AFFILIATE	T-C M-T REIT II LLC	84-3224525	SUBSIDIARY	T-C MV Member II LLC		SUBSIDIARY			
New Fetter Lane Unit Trust		AFFILIATE	T-C Permian Investor LLC	82-1023309	SUBSIDIARY	Roppenheim Holding SAS		SUBSIDIARY			
London Belgrave Unit Trust		AFFILIATE	TC MT II Originations TRS LLC	85-2937933	SUBSIDIARY	Roppenheim Outlet SNC		SUBSIDIARY			
						Neptune Amsterdam B.V.		SUBSIDIARY			
						Neptune Krakow SP. z.o.o.		SUBSIDIARY			
						Neptune Glivice SP. z.o.o.		SUBSIDIARY			
						Roppenheim Holding S.à r.l.		SUBSIDIARY			
						Roppenheim Outlet SNC		SUBSIDIARY			
						Neptune Vicoloingo I S.r.l.		SUBSIDIARY			

(19) ND Properties LLC is ultimately controlled and owned entirely by TIAA, with 99% owned by TIAA and 1% owned by TGA Minority Interest Holdings LLC.

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

(21) 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).

(22) 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.

(23) 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%).

(24) 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%).

(25) 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%).

(26) 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%).

(27) 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%).

(28) 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%.

(29) 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.

(30) 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%).

STATEMENT AS OF JUNE 30, 2023 OF THE TIAA-CREF LIFE INSURANCE COMPANY

LISTING 3 (CONTINUED):

COMPANY	FEIN	RELATIONSHIP
T-C GA Real Estate Holdings, LLC	45-2877772	SUBSIDIARY
8 Spruce Street GA Investor, LLC	46-0959792	SUBSIDIARY
FC 8 Spruce Holdings, LLC	46-1403221	AFFILIATE
FC 8 Spruce Street Residential, LLC	84-2144204	SUBSIDIARY
2300 Broadway Storage Operator LLC	82-1419222	AFFILIATE
Nuveen Global Cities REIT, Inc.	47-1535030	SUBSIDIARY
T-C 2 Herald Square Member LLC	47-1650509	SUBSIDIARY
T-C 2 Herald Square Venture LLC	47-1488131	SUBSIDIARY
T-C 2 Herald Square Owner LLC	27-2952349	SUBSIDIARY
T-C 1101 Pennsylvania Avenue LLC	27-2952617	SUBSIDIARY
T-C 1101 Pennsylvania Avenue Venture LLC	27-2952860	SUBSIDIARY
T-C 1101 Pennsylvania Avenue Owner LLC	46-1851206	SUBSIDIARY
T-C 33 Arch Street Member, LLC	46-1805501	SUBSIDIARY
T-C 33 Arch Street Venture, LLC	45-2792699	SUBSIDIARY
T-C 33 Arch Street, LLC	46-1754709	SUBSIDIARY
T-C 470 Park Avenue South Member LLC	46-1744112	SUBSIDIARY
T-C 470 Park Avenue South Venture LLC	46-1828055	SUBSIDIARY
T-C 475 Fifth Avenue Member, LLC	46-1839003	SUBSIDIARY
T-C 475 Fifth Avenue Venture LLC	45-3229803	SUBSIDIARY
T-C 475 Fifth Avenue, LLC	47-2189075	SUBSIDIARY
T-C 800 17th Street NW Member LLC	47-2118640	SUBSIDIARY
T-C 800 17th Street NW Venture LLC	47-2069910	SUBSIDIARY
T-C 800 17th Street NW Owner LLC	47-4665824	SUBSIDIARY
T-C 888 Brannan Member LLC	47-4684031	SUBSIDIARY
T-C 888 Brannan Venture LLC	47-4674147	SUBSIDIARY
T-C 888 Brannan Owner LLC	47-5605380	SUBSIDIARY
T-C 888 Brannan TRS, LLC	45-3479701	SUBSIDIARY
T-C 2300 Broadway, LLC	46-1220681	SUBSIDIARY
T-C Aspira LLC	46-1791581	SUBSIDIARY
T-C Franklin Square Member, LLC	46-1794486	SUBSIDIARY
T-C Franklin Square Venture LLC	26-0011770	SUBSIDIARY
TIAA Franklin Square, LLC	47-2023405	SUBSIDIARY
T-C Hall of States Member LLC	47-2043468	SUBSIDIARY
T-C Hall of States Venture LLC	47-2034237	SUBSIDIARY
T-C Hall of States Owner LLC	45-4045658	SUBSIDIARY
T-C Kings Crossing, LLC	46-1120016	SUBSIDIARY
T-C Legacy Place Member, LLC	46-0876833	SUBSIDIARY
Legacy Place Associates, LLC	30-0789316	SUBSIDIARY
300 Legacy Place Boulevard LLC	47-2903922	SUBSIDIARY
Legacy Place Properties, LLC	47-2867784	SUBSIDIARY
T-C Republic Square Member LLC	47-3033681	SUBSIDIARY
T-C Republic Square Venture LLC	47-3091198	SUBSIDIARY
T-C Republic Square Mezzanine LLC	47-2793452	SUBSIDIARY
TGA Cass White 75 LLC	87-3992388	SUBSIDIARY
TGA Forum on Peachtree Investor Member LLC	88-1007987	SUBSIDIARY
TGA NAP Forum on Peachtree Venture LLC	88-1007172	SUBSIDIARY
TGA NAP Forum on Peachtree Owner LLC	88-1007587	SUBSIDIARY
TGA Lonestar Investor Member LLC	88-1913177	SUBSIDIARY
TGA BSL Lonestar JV LLC	88-1913518	SUBSIDIARY
TGA Midway Distribution Center LLC	87-4019549	SUBSIDIARY
TGA MOB 5005 McConnell Member LLC	88-0658194	SUBSIDIARY
TGANX MOB 5005 McConnell Venture LLC	88-0659989	SUBSIDIARY
TGA MOB 5005 McConnell LLC	88-0655748	SUBSIDIARY
TGA Speedway Distribution Center LLC	88-0635252	SUBSIDIARY

COMPANY	FEIN	RELATIONSHIP
T-C GA Real Estate Holdings, LLC (continued)		
The Flats Holding Company LLC	47-1379500	SUBSIDIARY
The Flats 130 DC Residential LLC	47-1347366	SUBSIDIARY
The Flats 140 DC Residential LLC	47-1367530	SUBSIDIARY
The Flats DC Grocery LLC	46-4567368	SUBSIDIARY
T-C JK I, LLC	46-4587620	SUBSIDIARY
T-C JK II, LLC	47-4095803	SUBSIDIARY
T-C Lux Fund Holdings LLC		
T-C Lux Investments Special Limited Partnership		SUBSIDIARY
European Cities Partnership SCSp		AFFILIATE
Global Real Estate Debt Partners – Fund I (UK) SCSp		SUBSIDIARY
T-C UK RE Holdings I, LLC	81-2676934	SUBSIDIARY
T-C UK RE Holdings II, LLC	81-2691474	SUBSIDIARY
T-C UK RE Holdings III, LLC	81-3299073	SUBSIDIARY
T-C U.S. Super Regional Mall Fund LP	47-3148337	SUBSIDIARY
TEIC Holdings LLC	92-2740334	SUBSIDIARY
TGA 10th Street Business Park LLC	84-3332496	SUBSIDIARY
TGA 127-137 Franklin LLC	82-1645257	SUBSIDIARY
TGA 2160 E 7th Street LLC	92-1884082	SUBSIDIARY
TGA 26600 26700 Aliso Viejo Parkway LLC	87-1739826	SUBSIDIARY
TGA 299 Franklin LLC	81-2769108	SUBSIDIARY
TGA 3401 North Ashton Blvd LLC	83-2957526	SUBSIDIARY
TGA 3851 Grandpine Way LLC	82-4830474	SUBSIDIARY
TGA 600 College Road LLC	81-3988795	SUBSIDIARY
TGA 601D Operating Member LLC	88-0637658	SUBSIDIARY
TGA 700 Third Avenue Owner LLC	83-2548459	SUBSIDIARY
TGA 8500 8551 Research Way LLC	87-1740428	SUBSIDIARY
TGA Adairsville DC LLC	88-0634999	SUBSIDIARY
TGA APAC Fund Holdings, LLC	82-2225812	SUBSIDIARY
Asia Pacific Cities Fund, FCP	98-1429292	SUBSIDIARY
TGA APAC RE Holdings Pte. Ltd.		SUBSIDIARY
TGA Real Estate Fund Holdings, LLC	82-2311300	SUBSIDIARY
Asia Pacific Cities Fund, FCP	98-1429292	SUBSIDIARY
TGA ASI Eagles Landing Investor Member LLC	87-4097244	SUBSIDIARY
TGA ASI Mission Trails Investor Member LLC	88-1120507	SUBSIDIARY
TGA ASI Monte Vista Investor Member LLC	86-3673678	SUBSIDIARY
TGA ASI Riverstone Investor Member LLC	86-2376987	SUBSIDIARY
TGA ASI Sage Investor Member LLC	87-3063209	SUBSIDIARY
TGA ASI Sierra Vista Investor Member LLC	88-1120066	SUBSIDIARY
TGA Auburn Business Park LLC	84-3830265	SUBSIDIARY
TGA Aurora DC III LLC	84-3285557	SUBSIDIARY
TGA Barnes Canyon Life Science LLC	83-1851559	SUBSIDIARY
TGA Beckwith Farms LLC	84-3303586	SUBSIDIARY
TGA Boulder Creek LLC	85-4073425	SUBSIDIARY
TGA Bridge Creek LLC	85-4073222	SUBSIDIARY
TGA Cactus DC I LLC	84-2939313	SUBSIDIARY
TGA Capital Beltway CC LLC	84-3523623	SUBSIDIARY
TGA Center Square DC LLC	84-3487859	SUBSIDIARY
TGA Centerpointe LLC	84-3314029	SUBSIDIARY
TGA Central Square Investor Member LLC	84-4376282	SUBSIDIARY
TGACSE Central Square Holdings LLC	84-4880676	SUBSIDIARY
TGACSE Central Square LLC	84-4893448	SUBSIDIARY
TGACSE Morningside LLC	84-4893383	SUBSIDIARY
TGACSE Triangle LLC	84-4924033	SUBSIDIARY

COMPANY	FEIN	RELATIONSHIP
T-C Waterford Blue Lagoon General Partner, LLC	47-5379777	SUBSIDIARY
Waterford Blue Lagoon LP	47-5392075	SUBSIDIARY
T-C Waterford Blue Lagoon, LLC	47-5375805	SUBSIDIARY
Waterford Blue Lagoon LP	47-5385654	SUBSIDIARY
Westland At Waterford REIT General Partner LLC	81-0779817	SUBSIDIARY
Waterford Blue Lagoon REIT General Partner LLC		SUBSIDIARY
Waterford Blue Lagoon REIT LP	47-5305678	SUBSIDIARY
5201-5301 Waterford General Partner LLC	47-5642524	SUBSIDIARY
5201-5301 Waterford Operating LP	47-5541032	SUBSIDIARY
5200 Waterford General Partner LLC	47-5672651	SUBSIDIARY
5200 Waterford Operating LP	47-5498897	SUBSIDIARY
1000 Waterford General Partner LLC	81-0722154	SUBSIDIARY
1000 Waterford Operating LP	47-5479437	SUBSIDIARY
701-703 Waterford General Partner LLC	47-5445045	SUBSIDIARY
701-703 Waterford Operating LP	47-5471474	SUBSIDIARY
Waterford Core REIT General Partner LLC	82-2631273	SUBSIDIARY
Waterford Core REIT LP	82-2646233	SUBSIDIARY
Waterford Core 800 REIT General Partner LLC		SUBSIDIARY
Waterford Core 800 REIT LP	84-3541603	SUBSIDIARY
Waterford Core General Partner LLC	81-0733012	SUBSIDIARY
Waterford Core Operating LP	47-5587163	SUBSIDIARY
Waterford Core II Operating LP	82-2663579	SUBSIDIARY
Waterford Core II General Partner LLC	82-2672297	SUBSIDIARY
TGA Connections at Athens Investor Member LLC	83-0780652	SUBSIDIARY
PEP-TH Athens, LLC	61-1892161	SUBSIDIARY
PEP Athens, LLC	83-1011298	SUBSIDIARY
TGA Creekside Village Investor Member LLC	85-1065983	SUBSIDIARY
TGA East Coronado Industrial LLC	84-3740496	SUBSIDIARY
TGA East Miraloma Industrial LLC	84-3740590	SUBSIDIARY
TGA Eastridge Investor Member LLC	87-1762569	SUBSIDIARY
TGA King EastRidge Venture LLC		SUBSIDIARY
TGA King EastRidge Owner LLC		SUBSIDIARY
TGA Emerald Corporate Park LLC	84-3740669	SUBSIDIARY
TGA Englewood DC LLC	84-3502383	SUBSIDIARY
TGA Enterprise Park Business Center LLC	85-4076202	SUBSIDIARY
TGA FC Investor Member LLC		SUBSIDIARY
Fenway Center Holding 1-2, LLC	82-2708488	SUBSIDIARY
Fenway Center Owner 1-2, LLC	82-2708488	SUBSIDIARY
TGA Franklin Square IC I LLC	84-3523773	SUBSIDIARY
TGA Franklin Square IC II LLC	84-3523813	SUBSIDIARY
TGA Freeport DC LLC	84-3332846	SUBSIDIARY
TGA GP Holdco Parent LLC	92-0783347	SUBSIDIARY
TGA GP Holdco LLC	88-4207931	SUBSIDIARY
TGA IA GP NY LLC		SUBSIDIARY
TGA GP TX HoldCo	92-2882920	SUBSIDIARY
TGA Greenstone Logistics Center LLC	84-3740749	SUBSIDIARY
TGA Haines City LLC	92-0668909	SUBSIDIARY
TGA Hollins End LLC	84-3475313	SUBSIDIARY
TGA JL Investor Member LLC	84-3718861	SUBSIDIARY
TGA JL II Investor Member LLC	84-4376472	SUBSIDIARY
TGA JL MCF Investor Member LLC	85-1292481	SUBSIDIARY
TGA JL MCF II Investor Member LLC	87-4248374	SUBSIDIARY
TGA Lakes at Indian Creek Investor Member LLC	85-4075985	SUBSIDIARY
TGA Landover DC LLC	84-3523582	SUBSIDIARY
TGA Lending III LLC		SUBSIDIARY
TGA Los Tres Investor Member LLC	87-3398451	SUBSIDIARY

(17) Global Real Estate Debt Partners – Fund I (UK) SCSp is controlled by TIAA, which owns 36.5%. T-C Lux Investments Special Limited Partnership, which is 100% owned by TIAA, owns 24.3%.

(31) Asia Pacific Cities Fund, FCP is owned 12.04% by TGA APAC Fund Holdings, LLC and 12.04% by TGA Real Estate Fund Holdings, LLC

(32) 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%.

SCHEDULE Y - INFORMATION CONCERNING ACTIVITIES OF INSURER MEMBERS OF A HOLDING COMPANY GROUP

PART 1 - ORGANIZATIONAL CHART

STATEMENT AS OF JUNE 30, 2023 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	98-1310729	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 VCo S.à r.l.		SUBSIDIARY	Eagle VCo S.à r.l.		SUBSIDIARY
Areal III Spółka z o.o.		SUBSIDIARY	CB Kriearu Dzwel GmbH		SUBSIDIARY	MSC Buda, LLC		SUBSIDIARY
Hodowla Zwierząt Zarodowych Choczewo Spółka z o.o.		SUBSIDIARY	VIE Student House A GmbH & Co KG		SUBSIDIARY	MSC Carolinas, LLC		SUBSIDIARY
Hodowla Zwierząt Zarodowych Wierzhucino Spółka z o.o.		SUBSIDIARY	Eagle Austria Holdings S.à r.l.		SUBSIDIARY	MSC Dam Storage, LLC		SUBSIDIARY
Hodowla Zwierząt Zarodowych Żarnowiec Spółka z o.o.		SUBSIDIARY	VIE Student House A GmbH & Co KG		SUBSIDIARY	MSC Evans Rd, LLC		SUBSIDIARY
Dangro Invest SA		SUBSIDIARY	Eagle Italy 1 S.r.l.		SUBSIDIARY	MSC Greenhouse, LLC		SUBSIDIARY
AGAT Spółka z o.o.		SUBSIDIARY	Studenthouse Rua Manuel Pereira, S.A		SUBSIDIARY	MSC Highway 521 Storage, LLC		SUBSIDIARY
AGRA Spółka z o.o.		SUBSIDIARY	Wrocław Fabryczna 22 sp. z o.o.		SUBSIDIARY	MSC Kemps Landing, LLC		SUBSIDIARY
AGRAMAX Spółka z o.o.		SUBSIDIARY	Wrocław Prusa 9 sp. z o.o.		SUBSIDIARY	MSC Midtown Atlanta, LLC		SUBSIDIARY
AGRIFARM Spółka z o.o.		SUBSIDIARY	Preferred Housing Living Limited		SUBSIDIARY	MSC MTP, LLC		SUBSIDIARY
AGRO - DUBLINY SP. z o.o.		SUBSIDIARY	PHLL Holdco Limited		SUBSIDIARY	MSC Peachtree, LLC		SUBSIDIARY
AGROLAND Spółka z o.o.		SUBSIDIARY	PHL Leeds Limited		SUBSIDIARY	MSC South End, LLC		SUBSIDIARY
AGROSERVICE Spółka z o.o.		SUBSIDIARY	PHL Nottingham Limited		SUBSIDIARY	MSC Spring Branch, LLC		SUBSIDIARY
AMAL Spółka z o.o.		SUBSIDIARY	PHL Telford Limited		SUBSIDIARY	MSC SW Austin, LLC		SUBSIDIARY
CISY Spółka z o.o.		SUBSIDIARY	Sustainable Living II GP S.à r.l.		SUBSIDIARY	MSC Tallahassee, LLC		SUBSIDIARY
KOLNO Spółka z o.o.		SUBSIDIARY	TGA Housing Holding S.à r.l.		SUBSIDIARY	MSC Yorktown, LLC		SUBSIDIARY
MILKOWO Sp. Z o.o.		SUBSIDIARY	TIAA General Account Housing German Property GmbH		SUBSIDIARY	TGA Octave Apartments LLC	85-3510351	SUBSIDIARY
SATOPY Spółka z o.o.		SUBSIDIARY	TIAA General Account Housing German Services GmbH		SUBSIDIARY	TGA One Norman Square LLC	87-3969114	SUBSIDIARY
SEE-AGRO SP. z o.o.		SUBSIDIARY	TK Living GPCo Sarl		SUBSIDIARY	TGA Pacific Landing LLC	85-4396119	SUBSIDIARY
SOBIERADZ Spółka z o.o.		SUBSIDIARY	TK Living Partnership SCSp		SUBSIDIARY	TGA Pacific Landing Phase II LLC	87-1595214	SUBSIDIARY
Pzenrol SA		SUBSIDIARY	TK Living JVCo Sarl		SUBSIDIARY	TGA Park 355 LLC	84-3254652	SUBSIDIARY
BUDUS Spółka z o.o.		SUBSIDIARY	Lotomint S.L.		SUBSIDIARY	TGA Park 55 LLC	84-3254103	SUBSIDIARY
LOZICE Sp. z o.o.		SUBSIDIARY	Carminsin S.L.		SUBSIDIARY	TGA Park 88 LLC	84-3254979	SUBSIDIARY
OGARDY SP. z o.o.		SUBSIDIARY	Crisatino S.L.		SUBSIDIARY	TGA PC Charleston Club Investor Member LLC	87-3029971	SUBSIDIARY
ROLA Spółka z o.o.		SUBSIDIARY	Lucerini, S.L.		SUBSIDIARY	TGA PC MCF Investor Member LLC	85-3076628	SUBSIDIARY
ROLPOL Spółka z o.o.		SUBSIDIARY	Mangaralia S.L.		SUBSIDIARY	TGA PC Richmond Investor Member LLC	87-2112453	SUBSIDIARY
ROLZBUD Spółka z o.o.		SUBSIDIARY	Naraisno S.L.		SUBSIDIARY	TGA Peaceable Investor Member LLC		SUBSIDIARY
SZAFIR SP. z o.o.		SUBSIDIARY	Sanfergar S.L.		SUBSIDIARY	TGA Peaceable Investor Member II LLC		SUBSIDIARY
WALICHNOWY Sp. z o.o.		SUBSIDIARY	Stay by Kronos Cordoba S.L.		SUBSIDIARY	TGA Peaceable Investor Member III LLC		SUBSIDIARY
WEZINY SP. z o.o.		SUBSIDIARY	Stay by Kronos Tarragona S.L.		SUBSIDIARY	TGA Peaceable Investor Member 2022 LLC	88-3094495	SUBSIDIARY
ZIEMROL Spółka z o.o.		SUBSIDIARY	Stay by Kronos Torrejon S.L.		SUBSIDIARY	TGA Peaceable Investor Member 2023 LLC	93-1981655	SUBSIDIARY
Adamas SA		SUBSIDIARY	Tinesen S.L.		SUBSIDIARY	TGA Prairie Point LLC	84-3285659	SUBSIDIARY
AMBER SP. z o.o.		SUBSIDIARY	Vesterone, S.L.		SUBSIDIARY	TGA Rentor Park 405 LLC	84-3830675	SUBSIDIARY
CIESZYSLAW SP. z o.o.		SUBSIDIARY	Weslinero S.L.		SUBSIDIARY	TGA River Club Apartments LLC	87-3533472	SUBSIDIARY
JAROSLAWSKI II SP. z o.o.		SUBSIDIARY	TGA MKP Member LLC	82-1169084	SUBSIDIARY	TGA River Club Townhomes LLC	87-3533710	SUBSIDIARY
JASIONNO Spółka z o.o.		SUBSIDIARY	TGA MKP REIT LLC	82-1187131	SUBSIDIARY	TGA Roswell Venture LLC	83-2938932	SUBSIDIARY
OPAL SP. z o.o.		SUBSIDIARY	TGA MOB Prescott Member LLC	87-3883343	SUBSIDIARY	TGA Sandy Commerce Park LLC	84-3476142	SUBSIDIARY
TETYN SP. z o.o.		SUBSIDIARY	TGANX MOB Prescott Venture LLC	87-3883657	SUBSIDIARY	TGA Somerset IC LLC	84-3487605	SUBSIDIARY
Gospodarstwo Okopy Sp. z o.o.		SUBSIDIARY	TGANX MOB Prescott LLC	87-3883657	SUBSIDIARY	TGA Sparrow Investor LLC	85-2863856	SUBSIDIARY
Agrohop Bielice Sp. z o.o.		SUBSIDIARY	TGA MOB South Boerne LLC	85-3566018	SUBSIDIARY	Sparrow Realty Investment I LLC	85-2574637	SUBSIDIARY
Agrohop Sp. z o.o.		SUBSIDIARY	RCD TGA Pierrepont Partners LLC	81-4232788	SUBSIDIARY	Sparrow Realty Investment WHF, LLC		SUBSIDIARY
Agrohop Bis Sp. z o.o.		SUBSIDIARY	TGA Montrose Residences Investor Member, LLC	81-3542251	SUBSIDIARY	SN Arizona LLC		SUBSIDIARY
Przedsiębiorstwo Rolne Okopy Sp. z o.o.		SUBSIDIARY	TGA Nex Investor LLC	85-1291326	SUBSIDIARY	SN DFW LLC		SUBSIDIARY
U.S. Cities Office Fund Maryland Farms Co-Invest		SUBSIDIARY	The Residences At La Colombe Or Investors LLC	81-2872561	SUBSIDIARY	SN Tampa LLC		SUBSIDIARY
TGA MH Investor Member LLC	84-2765297	SUBSIDIARY	TGA NIAHP Investor Member LLC	83-4139835	SUBSIDIARY	Sparrow Homes US LLC	85-3330672	SUBSIDIARY
TGA MH III Investor Member LLC	84-2765297	SUBSIDIARY	TGA NYCAMP I Investor Member LLC	85-2859128	SUBSIDIARY	Sparrow Realty Investment II, LLC		SUBSIDIARY
			TGA North Orange Investor Member LLC	84-3740851	SUBSIDIARY	Sparrow Realty Investment WHF II, LLC		SUBSIDIARY
			TGA O'Hare Logistics Center IV LLC	84-4774106	SUBSIDIARY	Sparrow Realty Investment WHF III, LLC		SUBSIDIARY
			TGA Oak Grove Plaza LLC	88-4069421	SUBSIDIARY	TGA HP Specialty Shops Venture LLC		SUBSIDIARY
						TGA HP Specialty Shops Owner LLC		SUBSIDIARY
						TGA Sterling DC LLC	84-3255382	SUBSIDIARY
						TGA TCA Durham Logistics Center Investor Member LLC	87-1763260	SUBSIDIARY
						TGA TCA Durham Logistics Center LLC		SUBSIDIARY
						TGA The Apartments at Blakeney LLC	85-3509669	SUBSIDIARY
						TGA The Warehouse At CH Investor Member LLC	84-3093962	SUBSIDIARY
						TGAP The Warehouse At CH LLC	84-3055701	SUBSIDIARY
						TGAP The Warehouse At CH Owner LLC	84-3055465	SUBSIDIARY

(3) 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

(19) ND Properties LLC is ultimately controlled and owned entirely by TIAA, with 99% owned by TIAA and 1% owned by TGA Minority Interest Holdings LLC.

(33) TGA European RE Holdings I, LLC is ultimately controlled and owned entirely by TIAA, with 99% owned by TIAA and 1% owned by TGA Minority Interest Holdings LLC.

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

(35) 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 Kriearu Dzwel GmbH, which owns 6%.

STATEMENT AS OF JUNE 30, 2023 OF THE TIAA-CREF LIFE INSURANCE COMPANY

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(38) 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, 2023 OF THE TIAA-CREF LIFE INSURANCE COMPANY

LISTING 3 (CONTINUED):

COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP
TIAA Infrastructure Investments, LLC	45-3479281	SUBSIDIARY	UK PPP Investments, LP		SUBSIDIARY
730 Darwin Holdings LLC	87-3292924	SUBSIDIARY	Wigg (Holdings) Limited		SUBSIDIARY
Glennmont Clean Energy Fund IV A SCSF		SUBSIDIARY	Wigg Investments Limited		SUBSIDIARY
730 Parking LLC	81-5307354	SUBSIDIARY	Merseylink (Holdings) Limited		AFFILIATE
730 Interpark, LLC	81-5302296	SUBSIDIARY	Merseylink (Finance) Limited		AFFILIATE
A-30 Canadian Transport Inc.		SUBSIDIARY	Merseylink Limited		AFFILIATE
1867 Infrastructure Holdings Inc.		SUBSIDIARY	Merseylink (Issuer) plc		AFFILIATE
Holding 1867 NA30 Inc.		SUBSIDIARY	Union Property Operations NRE III LLC	87-1101091	SUBSIDIARY
I 595 Toll Road, LLC	38-3857916	SUBSIDIARY	U.S. Cities Industrial Fund LP	36-4932527	AFFILIATE
North American Sustainable Energy Fund, L.P.	46-5279686	SUBSIDIARY	U.S. Cities Multifamily Fund LP	30-1108455	AFFILIATE
Energy Power Investment Company, LLC		SUBSIDIARY	U.S. Cities Workplace Fund LP	38-4104483	SUBSIDIARY
EPP Renewable Energy, LLC		SUBSIDIARY	U.S. Cities Office Fund REIT LLC	61-1914684	SUBSIDIARY
North American Sustainable Energy GP, LLC		SUBSIDIARY	U.S. Cities Workplace Fund Operating GP LLC		SUBSIDIARY
North American Sustainable Energy Manager, LLC		SUBSIDIARY	U.S. Cities Workplace Fund Operating LP	36-4919858	SUBSIDIARY
TIAA NBS, LLC	88-4376843	SUBSIDIARY	USCOF 5500 Jefferson LLC	87-4526709	SUBSIDIARY
TIAA Oil and Gas Investments, LLC	45-2665869	SUBSIDIARY	USCOF Maryland Farms Holdings LLC	84-4773752	SUBSIDIARY
Actgas, LLC	45-1286237	SUBSIDIARY	U.S. Cities Office Fund Maryland Farms Co-Invest	84-4775239	SUBSIDIARY (34)
Actoil Bakken, LLC	46-3410649	SUBSIDIARY	VRE-NRE Maryland Farms Venture	84-4775394	SUBSIDIARY
Actoil Utica, LLC	46-3628993	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	47-2249307	SUBSIDIARY	U.S. Cities Retail Fund REIT LLC	82-4016503	SUBSIDIARY
T-C Port Northwest Development, LLC	46-2678242	SUBSIDIARY	U.S. Cities Retail Fund Operating GP LLC	82-4069923	SUBSIDIARY
TGA 70 Federal Street LLC	81-3961919	SUBSIDIARY	U.S. Cities Retail Fund Operating LP	82-4037905	SUBSIDIARY
TIAA RFS, LLC	82-2885306	SUBSIDIARY	T-C 919 N. Michigan Avenue Retail, LLC	46-0750331	SUBSIDIARY
TIAA Advisory, LLC	82-2335773	SUBSIDIARY	USCRF KRG JV Investor Member LLC		SUBSIDIARY
TIAA-CREF Insurance Agency, LLC	20-2904312	SUBSIDIARY	KRG – USCRF Retail Portfolio LLC	37-1904986	SUBSIDIARY
TIAA Shared Services, LLC	85-3343718	SUBSIDIARY	KRG 951 & 41, LLC		SUBSIDIARY
TIAA SMA Strategies, LLC	81-2755014	SUBSIDIARY	KRG Livingston Center, LLC		SUBSIDIARY
TIAA-Stonepeak Investments I, LLC	45-3029655	SUBSIDIARY	KRG-USCRF Plaza Volente, LLC		SUBSIDIARY
TIAA-Stonepeak Investments II, LLC	45-3030923	SUBSIDIARY	U.S. Core-Plus Real Estate Debt Fund LP	82-3988267	SUBSIDIARY
TIAA Super Regional Mall Member Sub, LLC	45-3164764	SUBSIDIARY	CRED REIT LLC	82-3760575	SUBSIDIARY
T-C Super Regional Mall Venture, LLC	45-3164764	SUBSIDIARY	CRED REIT Holdco LLC	47-1938723	SUBSIDIARY
T-C International Plaza REIT LLC	46-4623585	SUBSIDIARY	CRED Glenhardie LLC	84-2113010	SUBSIDIARY
T-C International Plaza Investor GP LLC	46-4653326	SUBSIDIARY	CRED HQ LLC	85-1296109	SUBSIDIARY
T-C International Plaza Investor LP LLC	46-4680948	SUBSIDIARY	CRED REIT Holdco Alta LLC	86-3290466	SUBSIDIARY
Tampa Westshore Associates Limited Partnership	38-3173536	AFFILIATE	CRED REIT Holdco Hacienda LLC	87-1440716	SUBSIDIARY
T-C Las Vegas Retail REIT LLC	46-2713521	SUBSIDIARY	CRED REIT Holdco Phoenix Industrial LLC	87-0979505	SUBSIDIARY
T-C Las Vegas Retail Investor LLC	46-2726147	SUBSIDIARY	CRED REIT Holdco Seller LLC	83-2024014	SUBSIDIARY
Grand Canal Shoppes Holdings, LLC		AFFILIATE	CRED REIT Holdco TRS LLC	81-1392434	SUBSIDIARY
T-C Midwest REIT, LLC	45-3165203	SUBSIDIARY	CRED REIT Holdco Velocity LLC	81-1392434	SUBSIDIARY
T-C Midwest Retail, LLC	45-2211957	SUBSIDIARY	CRED REIT Manager LLC	82-5347019	SUBSIDIARY
CBLT-C, LLC		SUBSIDIARY	CRED SJA 555 Mangum, LLC	87-2932666	SUBSIDIARY
T-C Montgomery Mall REIT, LLC	45-3164998	SUBSIDIARY	CRED SJA Norcross LLC	88-3419951	SUBSIDIARY
T-C Montgomery Mall, LLC	95-4658637	SUBSIDIARY	CRED SJA Sonoma LLC	88-1712389	SUBSIDIARY
Montgomery Mall of Maryland, LLC	45-1286386	SUBSIDIARY	CRED SJA Vistas LLC	88-2696709	SUBSIDIARY
TIAA SynGas, LLC	93-1503568	SUBSIDIARY	CRED SJA Woodland LLC	88-3419525	SUBSIDIARY
730 Catskill LLC	20-8892977	SUBSIDIARY	CRED Slabtown LLC	83-3184068	SUBSIDIARY
TIAA Trust, National Association	88-3094952	SUBSIDIARY	CRED West Coast Industrial LLC	83-4107560	SUBSIDIARY
Union Place Phase I, LLC	45-4486211	SUBSIDIARY	U.S. Strategic Industrial Fund II LP	85-2116787	AFFILIATE
TIAA Ventures LLC	55-0856733	SUBSIDIARY	Western A Midwest TN, LLC	84-3449095	SUBSIDIARY
Capistrano Wind Partners, LLC	20-8384004	SUBSIDIARY	Whole Loan Ownership Depositor, LLC		SUBSIDIARY
TIAA-CREF Individual & Institutional Services, LLC	46-1191235	SUBSIDIARY	Whole Loan Ownership Trust	93-6444961	SUBSIDIARY
TIAA-CREF LPHC, LLC	20-5591124	SUBSIDIARY	Winslow Growth Capital Fund II, L.P.	83-1931152	SUBSIDIARY
TIAA-CREF Real Property Fund GP, LLC	20-5631854	SUBSIDIARY	WRC Properties, LLC	51-0141732	SUBSIDIARY
TIAA-CREF Redwood, LLC	13-4026557	SUBSIDIARY			
TIAA Kapsick, LLC					
TIAA-CREF Tuition Financing, Inc.					

(34) U.S. Cities Office Fund Maryland Farms Co-Invest is controlled 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, 2023 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? (Yes/No)	*
			13-6110585 ..	3792687			TIAA Board of Governors	.. NY.....	UIP.....						
.. 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		
			45-2401857 ..	4618298			730 Holdings, LLC	.. DE.....	NIA.....	TIAA Board of Governors	Ownership.....	..100.000	TIAA Board of Governors		
			13-6022042 ..	2378057	777535		College Retirement Equities Fund	.. NY.....	NIA.....	CREF Board of Governors	Board		CREF Board of Governors		
.. 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		
			47-1595484 ..	4747826			Nuveen, LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors		
			81-3407371 ..	5042621			Nuveen Services, LLC	.. DE.....	NIA.....	Nuveen, LLC	Ownership.....	..100.000	TIAA Board of Governors		
			13-3905273 ..	4599865			TIAA-CREF Asset Management, LLC	.. DE.....	NIA.....	Nuveen, LLC	Ownership.....	..100.000	TIAA Board of Governors		
			81-1272900 ..	4952732			L&C Special Member Holdco, LLC	.. DE.....	NIA.....	TIAA-CREF Asset Management, LLC	Ownership.....	..100.000	TIAA Board of Governors		
			46-3889185 ..	4866932			GTR Special Member Holdco LLC	.. DE.....	NIA.....	TIAA-CREF Asset Management, LLC	Ownership.....	..100.000	TIAA Board of Governors		
			81-4374969 ..	5659467			TIAA International GP LLC	.. DE.....	NIA.....	TIAA-CREF Asset Management, LLC	Ownership.....	..100.000	TIAA Board of Governors		
			13-3586142 ..	4314303	887793		TIAA-CREF Investment Management, LLC	.. DE.....	NIA.....	TIAA-CREF Asset Management, LLC	Ownership.....	..100.000	TIAA Board of Governors		
			46-3870972 ..	4716541			Nuveen Alternative Holdings, LLC	.. DE.....	NIA.....	TIAA-CREF Asset Management, LLC	Ownership.....	..100.000	TIAA Board of Governors		
			81-1467545 ..	4974190			AGR Partners LLC	.. DE.....	NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	..75.000	TIAA Board of Governors		
			86-3201384 ..	5788291			AGR Ag Infrastructure GP, LLC	.. DE.....	NIA.....	AGR Partners LLC	Ownership.....	..100.000	TIAA Board of Governors		
			36-4853278 ..	5279520			AGR Services LLC	.. DE.....	NIA.....	AGR Partners LLC	Ownership.....	..99.000	TIAA Board of Governors	... 100	
			85-2581992 ..	5616938			AGR Special Opportunities GP, LLC	.. DE.....	NIA.....	AGR Partners LLC	Ownership.....	..100.000	TIAA Board of Governors		
			83-4328253 ..	5613245			Nuveen Agribusiness Fund III GP, LLC	.. DE.....	NIA.....	AGR Partners LLC	Ownership.....	..100.000	TIAA Board of Governors		
			83-4307097 ..	5652936			Nuveen Agribusiness Fund III, LP	.. DE.....	NIA.....	Nuveen Agribusiness Fund III GP, LLC	Management.....		TIAA Board of Governors		
			81-1870559 ..	5010657			TGAM Agribusiness Fund GP LLC	.. DE.....	NIA.....	AGR Partners LLC	Ownership.....	..100.000	TIAA Board of Governors		
			36-4853278 ..	5279520			AGR Services LLC	.. DE.....	NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	..1.000	TIAA Board of Governors	... 100	
			36-4851864 ..	5083688			CAM HR Resources LLC	.. DE.....	NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	..1.000	TIAA Board of Governors	... 200	
			45-5044435 ..	4867658			Global AG AIV (CN) GP, LLC	.. DE.....	NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors		
			45-5044681 ..	4867667			Global Agriculture AIV (CN), LP	.. DE.....	NIA.....	Global AG AIV (CN) GP, LLC	Management.....		TIAA Board of Governors		
			47-1192644 ..	4753564			Global AG II AIV GP LLC	.. DE.....	NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors		
			47-1197292 ..	4754776			Global Agriculture II AIV, LP	.. DE.....	NIA.....	Global AG II AIV GP LLC	Management.....		TIAA Board of Governors		
			47-1208361 ..	4866969			GTR Investor Fund GP LLC	.. DE.....	NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors		
			83-2245173 ..	5510120			NAP Investors GP, LLC	.. DE.....	NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors		
				5497584			NCBDC Holdings LLC	.. DE.....	NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors		
				5511622			Nuveen ChurchillI Advisors LLC	.. DE.....	NIA.....	NCBDC Holdings LLC	Ownership.....	..100.000	TIAA Board of Governors		
			88-1590237 ..	5729940			NGC Master HoldCo LLC	.. DE.....	NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors		
			88-3758314 ..	5784949			NGC Senior Master Holdco LLC	.. DE.....	NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors		
			88-2217234 ..	5799226			NGTF GP, LLC	.. DE.....	NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors		
			45-4288013 ..	4866941			Nuveen Alternatives Advisors, LLC	.. DE.....	NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors		
				5656831			Churchill Fund III GP LLC	.. DE.....	NIA.....	Nuveen Alternatives Advisors, LLC	Ownership.....	..100.000	TIAA Board of Governors		
				5511604			Nuveen ChurchillII Direct Lending Corp.	.. MD.....	NIA.....	Nuveen Alternatives Advisors, LLC	Ownership.....	..100.000	TIAA Board of Governors		
			82-1917856 ..	5652703			TPS Investors GP, LLC	.. DE.....	NIA.....	Nuveen Alternatives Advisors, LLC	Ownership.....	..100.000	TIAA Board of Governors		
			45-4288091 ..	4801858			Nuveen Alternatives Services, LLC	.. DE.....	NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors		
				5041697			GAP II NZ GP Limited	.. NZL.....	NIA.....	Nuveen Alternatives Services, LLC	Ownership.....	..100.000	TIAA Board of Governors		
			98-1310748 ..	5041660			TIAA European Farmland Fund GP LP	.. CYM.....	NIA.....	Nuveen Alternatives Services, LLC	Ownership.....	..50.000	TIAA Board of Governors	... 300	
			47-1515836 ..	4802819			TCAS Global Investments LLC	.. DE.....	NIA.....	Nuveen Alternatives Services, LLC	Ownership.....	..100.000	TIAA Board of Governors		
			86-3136043 ..	5655825			Nuveen CP Holdings 1 LLC	.. DE.....	NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors		
			47-5515604 ..	5657324			Nuveen CP LLC	.. DE.....	NIA.....	Nuveen CP Holdings 1 LLC	Ownership.....	..79.200	TIAA Board of Governors	... 400	
			86-3147529 ..	5655816			Nuveen CP Holdings 2 LLC	.. DE.....	NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors		
			47-5515604 ..	5657324			Nuveen CP LLC	.. DE.....	NIA.....	Nuveen CP Holdings 2 LLC	Ownership.....	..0.800	TIAA Board of Governors	... 400	
			47-3234364 ..	5660557			Greenworks Lending LLC	.. DE.....	NIA.....	Nuveen CP LLC	Ownership.....	..100.000	TIAA Board of Governors		

STATEMENT AS OF JUNE 30, 2023 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? (Yes/No)	*
			35-2597261 ..	5660593			PACEWell 1 LLC	..DE....	..NIA.....	Greenworks Lending LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			87-1326451 ..	5660623			PACEWell 4 LLC	..DE....	..NIA.....	Greenworks Lending LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			87-3650389 ..	5678561			PACEWell 5 Depositor LLC	..DE....	..NIA.....	Greenworks Lending LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			87-3649944 ..	5678570			PACEWell 5 LLC	..DE....	..NIA.....	PACEWell 5 Depositor LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			92-0681712 ..	5789207			PACEWell 6 Depositor LLC	..DE....	..NIA.....	Greenworks Lending LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			88-4182935 ..	5789243			PACEWell 6 LLC	..DE....	..NIA.....	PACEWell 6 Depositor LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			92-2404335 ..	5844638			PACEWell 7 LLC	..DE....	..NIA.....	Greenworks Lending LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			92-2105847 ..	5842027			PACEWell 8 Depositor LLC	..DE....	..NIA.....	Greenworks Lending LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			92-2080938 ..	5842045			PACEWell 8 LLC	..DE....	..NIA.....	PACEWell 8 Depositor LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			93-2177174 ..				PACEWell 9 LLC	..DE....	..NIA.....	Greenworks Lending LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			92-0315265 ..	5785218			NGC TT 1 LLC	..DE....	..NIA.....	Greenworks Lending LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			46-4998151 ..	5660641			PACE Financial Servicing LLC	..DE....	..NIA.....	Nuveen CP LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			93-1847737 ..				Nuveen CPACE Lending GP LLC	..DE....	..NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			84-1819349 ..	5486935			Nuveen Global Farmland Fund GP, LLC	..DE....	..NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			98-1638974 ..	5487101			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 .....		.....
			84-5180164 ..	5599714			Nuveen Global Impact Fund GP, LLC	..DE....	..NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
				5652776			Nuveen Global Impact Fund Lux GP S.à r.l. ..	..LUX....	..NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			26-2719001 ..	4313155			Nuveen International Holdings LLC	..DE....	..NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
				5659412			Nuveen Canada Company	..CAN....	..NIA.....	Nuveen International Holdings LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
				5695166			Nuveen Japan Co., Limited	..JPN....	..NIA.....	Nuveen International Holdings LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
							Nuveen Korea Co., Ltd.	..KOR....	..NIA.....	Nuveen International Holdings LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			81-4349631 ..	5079083			TGAM Subsidiary HC LLC	..DE....	..NIA.....	Nuveen International Holdings LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			81-4290269 ..	5079104			TGAM APAC LLC	..DE....	..NIA.....	TGAM Subsidiary HC LLC	Ownership.....	33.300 ...	TIAA Board of Governors		500 ..
			81-4323796 ..	5083718			TGAM HK HC LLC	..DE....	..NIA.....	TGAM APAC LLC	Ownership.....	25.000 ...	TIAA Board of Governors		600 ..
				4908355			Nuveen Hong Kong Limited	..HKG....	..NIA.....	TGAM HK HC LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			81-4306975 ..	5079113			TGAM Asia LLC	..DE....	..NIA.....	TGAM Subsidiary HC LLC	Ownership.....	33.300 ...	TIAA Board of Governors		700 ..
			81-4323796 ..	5083718			TGAM HK HC LLC	..DE....	..NIA.....	TGAM Asia LLC	Ownership.....	25.000 ...	TIAA Board of Governors		600 ..
			81-4499397 ..	5079122			TIAA International APAC LLC	..DE....	..NIA.....	TGAM Subsidiary HC LLC	Ownership.....	33.300 ...	TIAA Board of Governors		800 ..
			81-4323796 ..	5083718			TGAM HK HC LLC	..DE....	..NIA.....	TIAA International APAC LLC	Ownership.....	25.000 ...	TIAA Board of Governors		600 ..
			81-4359164 ..	5079131			TIAA International Asia LLC	..DE....	..NIA.....	TGAM Subsidiary HC LLC	Ownership.....	33.300 ...	TIAA Board of Governors		900 ..
			81-4323796 ..	5083718			TGAM HK HC LLC	..DE....	..NIA.....	TIAA International Asia LLC	Ownership.....	25.000 ...	TIAA Board of Governors		600 ..
			81-4390558 ..	5079092			TIAA International Subsidiary HC LLC	..DE....	..NIA.....	Nuveen International Holdings LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			81-4290269 ..	5079104			TGAM APAC LLC	..DE....	..NIA.....	TIAA International Subsidiary HC LLC	Ownership.....	33.300 ...	TIAA Board of Governors		500 ..
			81-4306975 ..	5079113			TGAM Asia LLC	..DE....	..NIA.....	TIAA International Subsidiary HC LLC	Ownership.....	33.300 ...	TIAA Board of Governors		700 ..
			81-4499397 ..	5079122			TIAA International APAC LLC	..DE....	..NIA.....	TIAA International Subsidiary HC LLC	Ownership.....	33.300 ...	TIAA Board of Governors		800 ..
			81-4359164 ..	5079131			TIAA International Asia LLC	..DE....	..NIA.....	TIAA International Subsidiary HC LLC	Ownership.....	33.300 ...	TIAA Board of Governors		900 ..
			81-4290269 ..	5079104			TGAM APAC LLC	..DE....	..NIA.....	Nuveen International Holdings LLC	Ownership.....	33.300 ...	TIAA Board of Governors		500 ..
			81-4306975 ..	5079113			TGAM Asia LLC	..DE....	..NIA.....	Nuveen International Holdings LLC	Ownership.....	33.300 ...	TIAA Board of Governors		700 ..
			81-4499397 ..	5079122			TIAA International APAC LLC	..DE....	..NIA.....	Nuveen International Holdings LLC	Ownership.....	33.300 ...	TIAA Board of Governors		800 ..
			81-4359164 ..	5079131			TIAA International Asia LLC	..DE....	..NIA.....	Nuveen International Holdings LLC	Ownership.....	33.300 ...	TIAA Board of Governors		900 ..
				5659403			Nuveen Junior Capital Opportunities Fund GP S.à r.l. ..	..LUX....	..NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			87-4688838 ..	5721449			Nuveen Natural Capital, LLC	..DE....	..NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			45-5558395 ..	4724096			Beaver Investments Holdings, LLC	..DE....	..NIA.....	Nuveen Natural Capital, LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			80-0026976 ..	4724108	1392090		GreenWood Resources, Inc.	..DE....	..NIA.....	Beaver Investments Holdings, LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			45-1875074 ..	4724153			GreenWood Resources Capital Management, LLC ..	..DE....	..NIA.....	GreenWood Resources, Inc.	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			47-4557075 ..	4887580			Greenwood Resources Forest Management, LLC ..	..DE....	..NIA.....	GreenWood Resources, Inc.	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....

STATEMENT AS OF JUNE 30, 2023 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 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? (Yes/No)	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)					
.....			98-1016335	4868404	.....	.....	Greenwood Resources Poland sp Z.o.o.	..POL.....	..NIA.....	Greenwood Resources Forest Management, LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5371666	.....	.....	GWR Uruguay S.A.	..URY.....	..NIA.....	Greenwood Resources Forest Management, LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				4796600	.....	.....	Greenwood Resources Colombia SAS	..COL.....	..NIA.....	GreenWood Resources, Inc.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			93-1874675	.....	.....	.....	NNC NGTF, LLC	..DE.....	..NIA.....	Nuveen Natural Capital, LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			27-3416812	4312916	.....	.....	Westchester Group Investment Management Holding Company, Inc.	..DE.....	..NIA.....	Nuveen Natural Capital, LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			27-3417683	4312925	.....	.....	Westchester Group Investment Management, Inc.	..DE.....	..NIA.....	Westchester Group Investment Management Holding Company, Inc.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5720965	.....	.....	Nuveen Natural Capital Chile SpA	..CHL.....	..NIA.....	Westchester Group Investment Management, Inc.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5280003	.....	.....	Nuveen Natural Capital LATAM Gestao De Ativos Ltda	..BRA.....	..NIA.....	Westchester Group Investment Management, Inc.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				4794482	.....	.....	Nuveen Natural Capital Limited	..GBR.....	..NIA.....	Westchester Group Investment Management, Inc.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				4914730	.....	.....	Nuveen Natural Capital Sp. Z.o.o.	..POL.....	..NIA.....	Nuveen Natural Capital Limited	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5752117	.....	.....	Nuveen Natural Capital SRL	..ROU.....	..NIA.....	Nuveen Natural Capital Limited	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			87-0735518	4746977	.....	.....	Plata Wine Partners, LLC	..CA.....	..NIA.....	Westchester Group Investment Management, Inc.	Ownership.....	91.110	TIAA Board of Governors .....	.....	.....
.....			37-1261935	4617693	.....	.....	Terra Land Co.	..IL.....	..NIA.....	Westchester Group Investment Management, Inc.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			37-6589484	4747200	.....	.....	The Plata Wine Partners Trust	..CA.....	..NIA.....	Westchester Group Investment Management, Inc.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			37-1193973	4618186	.....	.....	Westchester Group Farm Management, Inc.	..IL.....	..NIA.....	Westchester Group Investment Management, Inc.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				4618207	.....	.....	Westchester Group of Australia Pty Ltd.	..AUS.....	..NIA.....	Westchester Group Investment Management, Inc.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			37-1194491	4618225	.....	.....	Westchester Group Real Estate, Inc.	..IL.....	..NIA.....	Westchester Group Investment Management, Inc.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			84-3766552	5483541	.....	.....	Westchester NGFF Investment LLC	..DE.....	..NIA.....	Westchester Group Investment Management, Inc.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			92-3527677	5851373	.....	.....	Ziemia Coinvestment, LLC	..DE.....	..NIA.....	Westchester Group Investment Management, Inc.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....							Nuveen Private Capital LLC	..DE.....	..NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	85.220	TIAA Board of Governors .....	.....	.....
.....							Arcmont Asset Management Holdco Ltd.	..JEY.....	..NIA.....	Nuveen Private Capital LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....							Arcmont Asset Management Ltd.	..GBR.....	..NIA.....	Arcmont Asset Management Holdco Ltd.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			47-3156644	4844369	.....	.....	Churchill Asset Management LLC	..DE.....	..NIA.....	Nuveen Private Capital LLC	Ownership.....	75.000	TIAA Board of Governors .....	.....	.....
.....			36-4851864	5083688	.....	.....	CAM HR Resources LLC	..DE.....	..NIA.....	Churchill Asset Management LLC	Ownership.....	99.000	TIAA Board of Governors .....	.....	200
.....				5695102	.....	.....	QNV Investor GP, LLC	..DE.....	..NIA.....	Churchill Asset Management LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			82-3187734	5349928	.....	.....	Churchill Agency Services LLC	..DE.....	..NIA.....	Churchill Asset Management LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			98-1694147	.....	.....	.....	Churchill CAD GP General Partner, LLC	..CAN.....	..NIA.....	Churchill Asset Management LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			98-1694147	.....	.....	.....	Churchill CAD GP, L.P.	..CAN.....	..NIA.....	Churchill CAD GP General Partner, LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....							Churchill CAD GP Limited Partner, LLC	..CAN.....	..NIA.....	Churchill Asset Management LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5720219	.....	.....	Churchill Co-Investment Partners GP, LLC	..DE.....	..NIA.....	Churchill Asset Management LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5375132	.....	.....	Churchill Feeder Fund GP II S.a.r.l.	..LUX.....	..NIA.....	Churchill Asset Management LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			83-1177850	5349937	.....	.....	Churchill Fund GP II LLC	..DE.....	..NIA.....	Churchill Asset Management LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			98-1449979	5349919	.....	.....	Churchill Fund GP II S.a.r.l.	..LUX.....	..NIA.....	Churchill Asset Management LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....							Churchill Junior Capital Opportunities Fund II Carry-Co, LLC	..DE.....	..NIA.....	Churchill Asset Management LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....

STATEMENT AS OF JUNE 30, 2023 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? (Yes/No)	*
.....				5616536 .....	.....	.....	Churchill Junior Capital Opportunities Fund II GP, LLC	..DE.....	NIA.....	Churchill Asset Management LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5616554 .....	.....	.....	Churchill Junior Capital Opportunities Fund II GP Sarl	..LUX.....	NIA.....	Churchill Asset Management LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			85-3272173	5585986 .....	.....	.....	Churchill MMSLF Special GP LLC	..DE.....	NIA.....	Churchill Asset Management LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5720200 .....	.....	.....	Churchill Secondary Partners GP, LLC	..DE.....	NIA.....	Churchill Asset Management LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			82-0735838	5106484 .....	.....	.....	Churchill Special Member LLC	..DE.....	NIA.....	Churchill Asset Management LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			82-3784145	5375525 .....	.....	.....	Churchill Warehouse LLC	..DE.....	NIA.....	Churchill Asset Management LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			87-2329839	5724413 .....	.....	.....	CMIC Funding GP LLC	..DE.....	NIA.....	Churchill Asset Management LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5511565 .....	.....	.....	Nuveen Churchill Administration LLC	..DE.....	NIA.....	Churchill Asset Management LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			88-1339633	5765827 .....	.....	.....	Senior MPD Fund GP LLC	..DE.....	NIA.....	Churchill Asset Management LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			81-1817732	5041615 .....	.....	.....	TGAM Churchill Fund GP LLC	..DE.....	NIA.....	Churchill Asset Management LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			81-4262460	5079074 .....	.....	.....	Nuveen Real Estate Global LLC	..DE.....	NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			47-2437568	5810277 .....	.....	.....	Omni Holding Company LLC	..DE.....	NIA.....	Nuveen Real Estate Global LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			92-2846553	5849491 .....	.....	.....	Paths Construction LLC	..DE.....	NIA.....	Omni Holding Company LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			92-2847109	5844665 .....	.....	.....	Paths Development LLC	..DE.....	NIA.....	Omni Holding Company LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			92-0783544	5836503 .....	.....	.....	Paths Management Services LLC	..DE.....	NIA.....	Omni Holding Company LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			92-2847517	5844610 .....	.....	.....	Paths RMS LLC	..DE.....	NIA.....	Omni Holding Company LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			92-2886561	5844629 .....	.....	.....	Reliant Safety	..DE.....	NIA.....	Omni Holding Company LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			26-2748598	4601487 .....	.....	.....	Nuveen Global Investments LLC	..DE.....	NIA.....	Nuveen Real Estate Global LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			82-2986445	5533503 .....	.....	.....	Nuveen GP Holding Company LLC	..DE.....	NIA.....	Nuveen Real Estate Global LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			88-4085231	5785290 .....	.....	.....	Nuveen Casa Bonita SMA GP LLC	..DE.....	NIA.....	Nuveen GP Holding Company LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			82-4598778	5534685 .....	.....	.....	Nuveen CRED GP Member LLC	..DE.....	NIA.....	Nuveen GP Holding Company LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			82-3751720	5593413 .....	.....	.....	CRED GP LLC	..DE.....	NIA.....	Nuveen CRED GP Member LLC	Ownership.....	50.000	TIAA Board of Governors .....	.....	.....
.....			85-2413081	5593422 .....	.....	.....	CRED Rated Feeder GP LLC	..DE.....	NIA.....	CRED GP LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			86-1561520	5618745 .....	.....	.....	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 .....	.....	.....
.....			88-1469500	5729203 .....	.....	.....	Nuveen Real Estate U.S. Impact Housing Fund GP LLC	..DE.....	NIA.....	Nuveen GP Holding Company LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			88-1444180	5729137 .....	.....	.....	Nuveen Real Estate U.S. Strategic Lab Vehicle GP LLC	..DE.....	NIA.....	Nuveen GP Holding Company LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			92-2350406 .....	.....	.....	.....	U.S. Cities Diversified Fund GP LLC	..DE.....	NIA.....	Nuveen GP Holding Company LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			92-2329690 .....	.....	.....	.....	U.S. Cities Diversified Fund LP	..DE.....	NIA.....	U.S. Cities Diversified Fund GP LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			92-2330414 .....	.....	.....	.....	U.S. Cities Diversified Fund REIT LLC	..DE.....	NIA.....	U.S. Cities Diversified Fund LP	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....							U.S. Cities Diversified Fund Operating GP LLC	..DE.....	NIA.....	U.S. Cities Diversified Fund REIT LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			92-2330086 .....	.....	.....	.....	U.S. Cities Diversified Fund Operating LP	..DE.....	NIA.....	U.S. Cities Diversified Fund REIT LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			92-2350698 .....	.....	.....	.....	U.S. Cities Multifamily Fund GP LLC	..DE.....	NIA.....	Nuveen GP Holding Company LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			35-2633108	5116616 .....	.....	.....	U.S. Cities Retail Fund GP LLC	..DE.....	NIA.....	Nuveen GP Holding Company LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			82-4054235	5672019 .....	.....	.....	U.S. Cities Workplace Fund GP LLC	..DE.....	NIA.....	Nuveen GP Holding Company LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5116625 .....	.....	.....	U.S. Single-Family Rental Fund I GP LLC	..DE.....	NIA.....	Nuveen GP Holding Company LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			88-0587813	5720170 .....	.....	.....	U.S. Single-Family Rental Fund I LP	..DE.....	NIA.....	U.S. Single-Family Rental Fund I GP LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			88-0582227	5720161 .....	.....	.....	U.S. Single-Family Rental Fund I Holding Company LLC	..DE.....	NIA.....	U.S. Single-Family Rental Fund I LP	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			85-2037572	5599705 .....	.....	.....	U.S. Strategic Industrial Fund II GP LLC	..DE.....	NIA.....	Nuveen GP Holding Company LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			85-2857187	5656765 .....	.....	.....	Nuveen Imajn Holdings Member LLC	..DE.....	NIA.....	Nuveen Real Estate Global LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			85-2534232	5808470 .....	.....	.....	Imajn Homes Holdings, LLC	..DE.....	NIA.....	Nuveen Imajn Holdings Member LLC	Ownership.....	72.000	TIAA Board of Governors .....	.....	.....
.....			82-1051997	5808742 .....	.....	.....	Imajn Services LLC	..DE.....	NIA.....	Imajn Homes Holdings, LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			85-2545463	5808733 .....	.....	.....	Imajn Asset Manager LLC	..DE.....	NIA.....	Imajn Homes Holdings, LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....							NR Sparrow Realty Managing Member I, LLC	..DE.....	NIA.....	Imajn Homes Holdings, LLC	Ownership.....	100.000	TIAA Board of Governors		

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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 Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Yes/No)	*
			87-1466953 ..				SAF Sparrow Realty Managing Member I, LLC ..	.. DE.....	.. NIA.....	Imajn Homes Holdings, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			85-2603852 ..	5616022			Sparrow Realty Investment I Managing Member LLC	.. DE.....	.. NIA.....	Imajn Homes Holdings, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
							Sparrow Realty Investment II Managing Member, LLC	.. DE.....	.. NIA.....	Imajn Homes Holdings, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			87-1174074 ..				USCMF Sparrow Realty Managing Member I, LLC	.. DE.....	.. NIA.....	Imajn Homes Holdings, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			92-1280325 ..	5810736			Nuveen MyPlace Holdings Member LLC	.. DE.....	.. NIA.....	Nuveen Real Estate Global LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
							Nuveen Permian Investor Asset Manager Member LLC	.. DE.....	.. NIA.....	Nuveen Real Estate Global LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			81-5466713 ..	5157909			Permian Investor Asset Manager LLC	.. DE.....	.. NIA.....	Nuveen Permian Investor Asset Manager Member LLC	Ownership.....	50.000 ...	TIAA Board of Governors		
			82-0631410 ..	5613311			Nuveen Permian Investor GP Member LLC	.. DE.....	.. NIA.....	Nuveen Real Estate Global LLC	Ownership.....	50.000 ...	TIAA Board of Governors		
			82-0607358 ..	5137929			Nuveen Real Estate Global Cities Advisors LLC	.. DE.....	.. NIA.....	Nuveen Real Estate Global LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			82-3426937 ..	5659458			Nuveen Development Management Services LLC ..	.. DE.....	.. NIA.....	Nuveen Real Estate Global LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			84-2502695 ..	5652794			TIAA International Holdings 1 Limited	.. GBR.....	.. NIA.....	Nuveen Real Estate Global LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			46-1162850 ..	4617620			Clean Energy Partners HoldCo LLP	.. GBR.....	.. NIA.....	TIAA International Holdings 1 Limited	Ownership.....	1.000 ...	TIAA Board of Governors	.. 1000 ...	
			5691908 ..	4617639			TIAA International Holdings 2 Limited	.. GBR.....	.. NIA.....	Nuveen Real Estate Global LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			5691908 ..	5691908			Clean Energy Partners HoldCo LLP	.. GBR.....	.. NIA.....	TIAA International Holdings 2 Limited	Ownership.....	99.000 ...	TIAA Board of Governors	.. 1000 ...	
			5691917 ..	5691926			Clean Energy Partners LLP	.. GBR.....	.. NIA.....	Clean Energy Partners HoldCo LLP	Ownership.....	100.000 ...	TIAA Board of Governors		
				5692035			Glennmont Asset Management Limited	.. GBR.....	.. NIA.....	Glennmont Asset Management Limited	Ownership.....	100.000 ...	TIAA Board of Governors		
			5692080 ..	5692035			Clean Energy Partners CEP 2012 Limited	.. GBR.....	.. NIA.....	Glennmont Asset Management Limited	Ownership.....	100.000 ...	TIAA Board of Governors		
				5692080			Glennmont Partners I Limited	.. GBR.....	.. NIA.....	Clean Energy Partners CEP 2012 Limited	Ownership.....	100.000 ...	TIAA Board of Governors		
			5692062 ..	5692044			Clean Energy Partners CEP Services Limited ..	.. GBR.....	.. NIA.....	Glennmont Asset Management Limited	Ownership.....	100.000 ...	TIAA Board of Governors		
			5692044 ..	5692053			Glennmont Partners III S.à r.l.	.. LUX.....	.. NIA.....	Glennmont Asset Management Limited	Ownership.....	100.000 ...	TIAA Board of Governors		
			5692053 ..	5692071			Glennmont Partners IV S.à r.l.	.. LUX.....	.. NIA.....	Glennmont Asset Management Limited	Ownership.....	100.000 ...	TIAA Board of Governors		
				5692071			Glennmont REBS Europe S.à r.l.	.. LUX.....	.. NIA.....	Glennmont Asset Management Limited	Ownership.....	100.000 ...	TIAA Board of Governors		
							Nuveen Energy Transition European Fund II GP S.a.r.l.	.. LUX.....	.. NIA.....	Glennmont Asset Management Limited	Ownership.....	100.000 ...	TIAA Board of Governors		
			4618074 ..				TIAA International Holdings 3 Limited	.. GBR.....	.. NIA.....	TIAA International Holdings 2 Limited	Ownership.....	100.000 ...	TIAA Board of Governors		
							Nuveen Investment Management Holdings Limited ..	.. GBR.....	.. NIA.....	TIAA International Holdings 3 Limited	Ownership.....	99.000 ...	TIAA Board of Governors	.. 1100 ...	
			98-1125673 ..	4617705			Nuveen Investment Management Holdings Limited ..	.. GBR.....	.. NIA.....	TIAA International Holdings 1 Limited	Ownership.....	1.000 ...	TIAA Board of Governors	.. 1100 ...	
			98-1125673 ..	4617705			Nuveen Administration Ltd	.. GBR.....	.. NIA.....	Nuveen Investment Management Holdings Limited	Ownership.....	100.000 ...	TIAA Board of Governors		
			98-1127648 ..	4618195			Nuveen Europe Holdings Limited	.. GBR.....	.. NIA.....	Nuveen Investment Management Holdings Limited	Ownership.....	100.000 ...	TIAA Board of Governors		
			98-1128805 ..	4618216			Henderson European Retail Property Fund Management Sarl	.. LUX.....	.. NIA.....	Nuveen Europe Holdings Limited	Ownership.....	94.900 ...	TIAA Board of Governors		
				4715955			Nuveen Alternatives Europe S.à r.l.	.. LUX.....	.. NIA.....	Nuveen Europe Holdings Limited	Ownership.....	100.000 ...	TIAA Board of Governors		
				5704246			Nuveen Asset Management Europe S.à r.l.	.. LUX.....	.. NIA.....	Nuveen Europe Holdings Limited	Ownership.....	100.000 ...	TIAA Board of Governors		
				5704237			Nuveen Fund Management (Jersey) Limited	.. JEY.....	.. NIA.....	Nuveen Europe Holdings Limited	Ownership.....	100.000 ...	TIAA Board of Governors		
				4716756			Nuveen Management AIFM Limited	.. GBR.....	.. NIA.....	Nuveen Europe Holdings Limited	Ownership.....	100.000 ...	TIAA Board of Governors		
				4716774			Nuveen Management Company (Luxembourg) No 1 Sarl	.. LUX.....	.. NIA.....	Nuveen Europe Holdings Limited	Ownership.....	94.900 ...	TIAA Board of Governors		
				4715946			Nuveen Property Management (Jersey) Limited ..	.. JEY.....	.. NIA.....	Nuveen Investment Management Holdings Limited	Ownership.....	100.000 ...	TIAA Board of Governors		
				4716765			Nuveen FCACO Ltd	.. GBR.....	.. NIA.....	Limited	Ownership.....	100.000 ...	TIAA Board of Governors		
			98-1128787 ..	4618243											

STATEMENT AS OF JUNE 30, 2023 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? (Yes/No)	*
.....				4716783 .....	.....	.....	Nuveen Investment Management International Limited	..GBR.....	..NIA.....	Nuveen FCACO Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			98-1127632 ..	4618261 .....	.....	.....	Nuveen Group Holdings Ltd	..GBR.....	..NIA.....	Nuveen Investment Management Holdings Limited	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4844015 .....	.....	.....	Anglo-Sino Henderson Investment Consultancy (Beijing) Co Limited	..CHN.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4715311 .....	.....	.....	CLOF II (GP) Limited	..GBR.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				5154010 .....	.....	.....	CLOF II Vanquish Limited	..JEY.....	..NIA.....	CLOF II (GP) Limited	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4908328 .....	.....	.....	Enhanced Debt Carry (GP) Sarl	..LUX.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				5147003 .....	.....	.....	ERES APAC II (GP) S.à.r.l	..LUX.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				5704200 .....	.....	.....	ERES Europe II (GP) S.à r.l	..LUX.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4949116 .....	.....	.....	European Cities Partnership (GP) S.a.r.l. ..	..LUX.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....							European Core-Plus Logistics Fund (GP) S.à.r.l	..LUX.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....							European Core Renewable Infrastructure S.à.r.l	..LUX.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4841247 .....	.....	.....	Islazul General Partner Sarl	..LUX.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				5802683 .....	.....	.....	Japan Alternatives Living GP Pte. Ltd.	..SGP.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4715245 .....	.....	.....	Matador LP General Partner Limited	..GBR.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....							NRE Storage Portfolio Limited	..GBR.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....							Nugreen Services AB	..SWE.....	..NIA.....	NRE Storage Portfolio Limited	Ownership.....	..83.000	TIAA Board of Governors .....	.....	.....
.....				4912763 .....	.....	.....	Nuveen Consulting (Shanghai) Co Ltd	..CHN.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....							Nuveen Corporate Secretarial Services Limited .....	.....	.....	.....	.....	.....	.....	.....	.....
.....				4747059 .....	.....	.....	.....	..GBR.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4715236 .....	.....	.....	Nuveen (France) SAS	..FRA.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4901244 .....	.....	.....	Nuveen Italy Srl	..ITA.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4715357 .....	.....	.....	Nuveen Management Austria GmbH	..AUT.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..65.000	TIAA Board of Governors .....	.....	.....
.....				5474008 .....	.....	.....	Nuveen Management Finland Oy	..FIN.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4747152 .....	.....	.....	Nuveen Operations Limited	..GBR.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4841265 .....	.....	.....	Nuveen Australia Ltd.	..AUS.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4841256 .....	.....	.....	Nuveen Real Estate Debt Partners (GP) Sarl ..	..LUX.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....							Nuveen Real Estate Debt Partners II (GP) S.à.r.l	..LUX.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				5134816 .....	.....	.....	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 .....	.....	.....
.....				5485004 .....	.....	.....	Nuveen Real Estate Debt Partners III (GP) S.à.r.l	..LUX.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				5704152 .....	.....	.....	Nuveen Singapore Private Limited	..SGP.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4715919 .....	.....	.....	Nuveen Switzerland GmbH	..SWI.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				5835814 .....	.....	.....	OMP (GP) Limited	..GBR.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4715254 .....	.....	.....	T-C Lux Investments GP Sarl	..LUX.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4901235 .....	.....	.....	Tokyo Multifamily GP PTE Ltd	..LUX.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				5700538 .....	.....	.....	UK OM (LP1) (GP) Limited	..GBR.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4715272 .....	.....	.....	UK OM (LP1) Limited	..GBR.....	..NIA.....	UK OM (LP1) (GP) Limited	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4841292 .....	.....	.....	UK OM (LP2) (GP) Limited	..GBR.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4715290 .....	.....	.....	UK OM (LP2) Limited	..GBR.....	..NIA.....	UK OM (LP2) (GP) Limited	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4841283 .....	.....	.....	UK OM (LP3) (GP) Limited	..GBR.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4715320 .....	.....	.....	UK OM (LP3) Limited	..GBR.....	..NIA.....	UK OM (LP3) (GP) Limited	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4841274 .....	.....	.....	Nuveen Real Estate NYC Property Fund GP Member LLC	..DE.....	..NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....

STATEMENT AS OF JUNE 30, 2023 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? (Yes/No)	*
.....			82-4213248 ..	5586545 .....	.....	.....	New York City Property Fund GP LLC	..DE.....	NIA.....	Nuveen Real Estate NYC Property Fund GP Member LLC	Ownership.....	..50.000	TIAA Board of Governors .....	.....	.....
.....			06-1217855 ..	4680325 .....	.....	.....	Nuveen Real Estate Property Holdings L.L.C.	..DE.....	NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			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 .....	.....	.....
.....			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 .....	.....	.....
.....			82-4363605 ..	5687965 .....	.....	.....	Casa Partners VIII GP, LLC	..DE.....	NIA.....	Nuveen Real Estate Property Holdings L.L.C.	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			86-1845840 ..	5609819 .....	.....	.....	Casa Partners IX GP, LLC	..DE.....	NIA.....	Nuveen Real Estate Property Holdings L.L.C.	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			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 .....	.....	.....
.....			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 .....	.....	.....
.....			20-3070768 ..	4681818 .....	.....	.....	Global Investors GP IV, L.L.C.	..DE.....	NIA.....	Nuveen Real Estate Property Holdings L.L.C.	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			26-3561391 ..	4863539 .....	.....	.....	TCAM DOF GP, LLC	..DE.....	NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			46-5367344 ..	4747170 .....	.....	.....	TOGA BT AIV, LLC	..DE.....	NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			45-5139523 ..	4867368 .....	.....	.....	TOGA Investor Fund GP, LLC	..DE.....	NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			47-3511076 ..	4843278 .....	.....	.....	TOGA II Investor Fund GP, LLC	..DE.....	NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			81-4330570 ..	5659449 .....	.....	.....	TGAM International GP LLC	..DE.....	NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			45-1532009 ..	4801867 .....	.....	.....	TIAA Global Ag Special Member LLC	..DE.....	NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			81-1749609 ..	4843287 .....	.....	.....	TIAA Global Ag II Special Member LLC	..DE.....	NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			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 .....	.....	.....
.....			36-4922991 ..	5620412 .....	.....	.....	U.S. Cities Industrial Fund GP LLC	..DE.....	NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			47-1563437 ..	4749941 .....	.....	.....	Nuveen Finance, LLC	..DE.....	NIA.....	Nuveen, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			81-3425820 ..	5110025 .....	.....	.....	Nuveen Holdings 1, Inc.	..DE.....	NIA.....	Nuveen Finance, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			26-0373324 ..	4767758 .....	.....	.....	Nuveen Holdings, Inc.	..DE.....	NIA.....	Nuveen Holdings 1, Inc.	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			36-3817266 ..	3707551	885708 .....	.....	Nuveen Investments, Inc.	..DE.....	NIA.....	Nuveen Holdings, Inc.	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			26-0627593 ..	4774710 .....	.....	.....	Gresham Asset Management LLC	..DE.....	NIA.....	Nuveen Investments, Inc.	Ownership.....	..78.900	TIAA Board of Governors .....	.....	.....
.....			20-1930384 ..	4349828 .....	.....	.....	Gresham Investment Management LLC	..DE.....	NIA.....	Nuveen Investments, Inc.	Ownership.....	..78.900	TIAA Board of Governors .....	.....	.....
.....				4781941 .....	.....	.....	Gresham Investment Management Asia Pte. Ltd.	..SGP.....	NIA.....	Gresham Investment Management LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			36-3293941 ..	5694589 .....	.....	.....	NIS/R&T, Inc.	..IL.....	NIA.....	Nuveen Investments, Inc.	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			36-4839486 ..	5153992 .....	.....	.....	Nuveen Alternative Investments, LLC	..DE.....	NIA.....	Nuveen Investments, Inc.	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			31-0942504 ..	4774792	1311016 .....	.....	Nuveen Fund Advisors, LLC	..DE.....	NIA.....	Nuveen Investments, Inc.	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			27-4357327 ..	4781624	1521019 .....	.....	Nuveen Asset Management, LLC	..DE.....	NIA.....	Nuveen Fund Advisors, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				5719398 .....	.....	.....	Nuveen Funds GP I, LLC	..DE.....	NIA.....	Nuveen Asset Management, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			83-4025630 ..	5496681 .....	.....	.....	Symphony Alternative Asset Management LLC	..DE.....	NIA.....	Nuveen Asset Management, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			94-3252504 ..	5280982 .....	.....	.....	Symphony Risk Retention Finance LLC	..DE.....	NIA.....	Nuveen Asset Management, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			30-1032009 ..	5354968 .....	.....	.....	SRR 1 LLC	..DE.....	NIA.....	Symphony Risk Retention Finance LLC	Ownership.....	..51.000	TIAA Board of Governors .....	.....	.....
.....			36-7364377 ..	4774783 .....	.....	.....	Nuveen Investments Holdings, Inc.	..DE.....	NIA.....	Nuveen Investments, Inc.	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			36-4709028 ..	4774868	1602171 .....	.....	Nuveen NIQ Holdings, LLC	..DE.....	NIA.....	Nuveen Investments, Inc.	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			30-0892190 ..	4981189	1661847 .....	.....	NIQ Partners, LLC	..DE.....	NIA.....	Nuveen NIQ Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			47-0875103 ..	4776518	763848 .....	.....	NIQ Investment Management Company, LLC	..DE.....	NIA.....	NIQ Partners, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			37-1695518 ..	4774831	1602161 .....	.....	Nuveen WCM Holdings, LLC	..DE.....	NIA.....	Nuveen Investments, Inc.	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			90-0860898 ..	4776527	900973 .....	.....	Winslow Capital Management, LLC	..DE.....	NIA.....	Nuveen WCM Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			81-0730906 ..	5147021 .....	.....	.....	Growth Capital GP I, LLC	..DE.....	NIA.....	Winslow Capital Management, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			36-2639476 ..	4775137	73387		Nuveen Securities, LLC	..DE.....	NIA.....	Nuveen Investments, Inc.	Ownership.....	..100.000	TIAA Board of Governors		

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

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			13-3760073 .. 82-1157427 ..	4313306 5659364	939222		Teachers Advisors, LLC	.. DE.....	 NIA.....	Nuveen Finance, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
							ColInvest Member LLC	.. DE.....	 NIA.....	Teachers Advisors, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
							Nuveen TALF Opportunity GP, LLC	.. DE.....	 NIA.....	Teachers Advisors, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			13-3987258 ..	4599052			485 Properties, LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			81-3091169 ..	5026603			730 Data Centers, LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			81-3106043 ..	5036303			730 Databridge, LLC	.. DE.....	 NIA.....	730 Data Centers, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
				5729182			Rocket 730 Data Bridge, LP	.. DE.....	 NIA.....	730 Databridge, LLC	Ownership.....	99.000 ...	TIAA Board of Governors		
				5704228			730 Fiber, LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			85-2250697 ..	5704433			Arcadian Infracom 1, LLC	.. DE.....	 NIA.....	730 Fiber, LLC	Ownership.....	92.500 ...	TIAA Board of Governors		
							730 Lighting, LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			47-2616735 ..	4801719			730 Power Development, LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			47-2622825 ..	4810784			730 Carroll, LLC	.. DE.....	 NIA.....	730 Power Development, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
				4949107			730 Cricket, LLC	.. DE.....	 NIA.....	730 Power Development, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
				5777679			730 Rail LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
				5777727			730 Cthrail LLC	.. DE.....	 NIA.....	730 Rail LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			47-5363027 ..	4936116			730 Telecom LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
				5515518			730 Transmission, LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
				5515527			730 Hotspur, LLC	.. DE.....	 NIA.....	730 Transmission, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			13-4042885 ..	4599801			730 Texas Forest Holdings, Inc.	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			51-0494351 ..	4599838			730 Texas Timberlands II, Ltd.	.. TX.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	99.500 ...	TIAA Board of Governors		1300 ...
			51-0494351 ..	4599838			730 Texas Timberlands II, Ltd.	.. TX.....	 NIA.....	730 Texas Forest Holdings, Inc.	Ownership.....	0.500 ...	TIAA Board of Governors		1300 ...
			13-4040842 ..	4601722			TIAA Timberlands I, LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			13-4085431 ..	4601740			TIAA Timberlands II, LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			13-4042888 ..	4601713			730 Texas Timberlands, Ltd.	.. TX.....	 NIA.....	TIAA Timberlands I, LLC	Ownership.....	99.500 ...	TIAA Board of Governors		1400 ...
			13-4042888 ..	4601713			730 Texas Timberlands, Ltd.	.. TX.....	 NIA.....	730 Texas Forest Holdings, Inc.	Ownership.....	0.500 ...	TIAA Board of Governors		1400 ...
			38-3847245 ..	4602840			Actoil, LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			46-3373066 ..	4602916			Actoil Colorado, LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			46-1952974 ..	4599940			Broadleaf Timberland Investments, LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			26-4647417 ..	4601768			Quercus Forestland Account, LLC	.. NC.....	 NIA.....	Broadleaf Timberland Investments, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
				4651503			Quercus Algoma Corporation	..CAN.....	 NIA.....	Quercus Forestland Account, LLC	Ownership.....	99.000 ...	TIAA Board of Governors		
				4860538			Quercus Algoma Land Corporation	..CAN.....	 NIA.....	Quercus Algoma Corporation	Ownership.....	100.000 ...	TIAA Board of Governors		
			46-2916514 ..	4613426			Quercus West Virginia, LLC	.. DE.....	 NIA.....	Quercus Forestland Account, LLC	Ownership.....	97.800 ...	TIAA Board of Governors		
			26-4248579 ..	4313025			Canadian Infrastructure Investments, LLC ..	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			98-1523334 ..	5802704			2234328 Alberta ULC	..CAN.....	 NIA.....	Canadian Infrastructure Investments, LLC ..	Ownership.....	100.000 ...	TIAA Board of Governors		

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SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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				4313100			Polar Star Canadian Oil and Gas Holding, ULC	..CAN.....	..NIA.....	Canadian Infrastructure Investments, LLC	Ownership.....	100.000	TIAA Board of Governors		
			47-2167228	4776451			Casa Student Housing Fund Holdings, LLC	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors		
			47-4455610	4990967			PEP-TH CASA Student Housing, LLC	..DE.....	..NIA.....	Casa Student Housing Fund Holdings, LLC	Ownership.....	90.000	TIAA Board of Governors		
			47-4455303	5194418			CSHF-PEP Purdue LLC	..DE.....	..NIA.....	PEP-TH CASA Student Housing, LLC	Ownership.....	100.000	TIAA Board of Governors		
			30-0965548	5195237			CSHF-PEP USF LLC	..DE.....	..NIA.....	PEP-TH CASA Student Housing, LLC	Ownership.....	100.000	TIAA Board of Governors		
			56-2672630	4600033			Ceres Agricultural Properties, LLC	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors		
			37-1555322	4601816			Premiere Agricultural Properties, LLC	..DE.....	..NIA.....	Ceres Agricultural Properties, LLC	Ownership.....	100.000	TIAA Board of Governors		
			80-0843991	4628596			Loma del Rio Vineyards, LLC	..DE.....	..NIA.....	Premiere Agricultural Properties, LLC	Ownership.....	45.000	TIAA Board of Governors		1500
			36-4620107	4601825			Premiere Columbia Properties, LLC	..DE.....	..NIA.....	Ceres Agricultural Properties, LLC	Ownership.....	100.000	TIAA Board of Governors		
			30-0449681	4601834			Premiere Farm Properties, LLC	..DE.....	..NIA.....	Ceres Agricultural Properties, LLC	Ownership.....	100.000	TIAA Board of Governors		
			26-3484719	4601843			Demeter Agricultural Properties II, LLC	..DE.....	..NIA.....	Ceres Agricultural Properties, LLC	Ownership.....	100.000	TIAA Board of Governors		
			26-0352203	4628372			International Agricultural Investors, LLC	..DE.....	..NIA.....	Ceres Agricultural Properties, LLC	Ownership.....	99.240	TIAA Board of Governors		
				4633321			IAI Australia Pty., Ltd.	..AUS.....	..NIA.....	International Agricultural Investors, LLC	Ownership.....	100.000	TIAA Board of Governors		
				4633330			IAI Australia Trust	..AUS.....	..NIA.....	International Agricultural Investors, LLC	Ownership.....	100.000	TIAA Board of Governors		
				4633358			IAI USA, LLC	..DE.....	..NIA.....	International Agricultural Investors, LLC	Ownership.....	100.000	TIAA Board of Governors		
			26-2745365	4628363			International Agricultural Investors Fund II, LLC	..DE.....	..NIA.....	Ceres Agricultural Properties, LLC	Ownership.....	99.000	TIAA Board of Governors		
				4633303			IAI Australia Fund II, Pty., Ltd.	..AUS.....	..NIA.....	International Agricultural Investors Fund II, LLC	Ownership.....	100.000	TIAA Board of Governors		
				4633312			IAI Australia Fund II Trust	..AUS.....	..NIA.....	International Agricultural Investors Fund II, LLC	Ownership.....	100.000	TIAA Board of Governors		
			26-2747755	4633349			IAI USA Fund II, LLC	..DE.....	..NIA.....	International Agricultural Investors Fund II, LLC	Ownership.....	100.000	TIAA Board of Governors		
			85-4120472	5683257			Churchill Junior Capital Opportunities Fund II, L.P.	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Management.....		TIAA Board of Governors		
			98-1402136	5227521			Churchill Middle Market CLO IV Ltd.	..CYM.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors		
			81-1810508	5041624			Churchill Middle Market Senior Loan Fund, LP	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Management.....		TIAA Board of Governors		
			84-5024895	5656859			Churchill Middle Market Senior Loan Fund III, LP	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Management.....		TIAA Board of Governors		
							Churchill MM Warehouse LLC	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors		
			81-2914954	5106457			CPF/UIR JV Member LLC	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors		
			81-2928112	5110034			CPF/UIR Joint Venture LLC	..DE.....	..NIA.....	CPF/UIR JV Member LLC	Ownership.....	51.000	TIAA Board of Governors		
			81-2955427	5110490			CPF 636 Sixth Avenue LLC	..DE.....	..NIA.....	CPF/UIR Joint Venture LLC	Ownership.....	100.000	TIAA Board of Governors		
			81-2982618	5110511			CPF 856 Market Street LLC	..DE.....	..NIA.....	CPF/UIR Joint Venture LLC	Ownership.....	100.000	TIAA Board of Governors		
			81-2973332	5110502			CPF 1511 Third Avenue LLC	..DE.....	..NIA.....	CPF/UIR Joint Venture LLC	Ownership.....	100.000	TIAA Board of Governors		
			47-3357982	4785930			T-C 1608 Chestnut General Partner LLC	..DE.....	..NIA.....	CPF/UIR Joint Venture LLC	Ownership.....	100.000	TIAA Board of Governors		
			23-3049052	4843371			1608 Chestnut Partners LP	..DE.....	..NIA.....	T-C 1608 Chestnut General Partner LLC	Ownership.....	1.000	TIAA Board of Governors		1600
			47-3337561	4785958			T-C 1608 Chestnut Limited Partner LLC	..DE.....	..NIA.....	CPF/UIR Joint Venture LLC	Ownership.....	100.000	TIAA Board of Governors		
			23-3049052	4843371			1608 Chestnut Partners LP	..DE.....	..NIA.....	T-C 1608 Chestnut Limited Partner LLC	Ownership.....	99.000	TIAA Board of Governors		1600
			26-3049305	4601928			Demeter Agricultural Properties, LLC	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors		
			45-2632248	4600770			Dionysus Properties, LLC	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors		
			94-3306131	4601861			Silverado Premium Properties, LLC	..CA.....	..NIA.....	Dionysus Properties, LLC	Ownership.....	100.000	TIAA Board of Governors		

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Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Loca-tion	Rela-tion-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Yes/No)	*
			68-0436609	4612764			Arroya Loma, LLC	..DE.....	..NIA.....	Silverado Premium Properties, LLC	Ownership.....	100.000	TIAA Board of Governors		
			75-3025596	4612867			Chalk Ridge Vineyard, LLC	..CA.....	..NIA.....	Silverado Premium Properties, LLC	Ownership.....	100.000	TIAA Board of Governors		
			20-3964695	4613314			Hobson Avenue Vineyard, LLC	..CA.....	..NIA.....	Silverado Premium Properties, LLC	Ownership.....	100.000	TIAA Board of Governors		
			26-1542713	4613417			Marsino Vineyard, LLC	..CA.....	..NIA.....	Silverado Premium Properties, LLC	Ownership.....	100.000	TIAA Board of Governors		
			20-2103733	4613864			Silverado Los Alamos Vineyards, LLC	..CA.....	..NIA.....	Silverado Premium Properties, LLC	Ownership.....	100.000	TIAA Board of Governors		
			85-1933477	5618334			Mesa Del Rio Vineyard, LLC	..CA.....	..NIA.....	Silverado Premium Properties, LLC	Ownership.....	100.000	TIAA Board of Governors		
			20-2490906	4613882			Silverado SLO Vineyards, LLC	..CA.....	..NIA.....	Silverado Premium Properties, LLC	Ownership.....	100.000	TIAA Board of Governors		
			20-2103788	4613891			Silverado Sonoma Vineyard, LLC	..CA.....	..NIA.....	Silverado Premium Properties, LLC	Ownership.....	100.000	TIAA Board of Governors		
			68-0466083	4613949			SPP Napa Vineyards, LLC	..DE.....	..NIA.....	Silverado Premium Properties, LLC	Ownership.....	100.000	TIAA Board of Governors		
			94-3361818	4613967			Stanly Ranch Vineyards, LLC	..CA.....	..NIA.....	Silverado Premium Properties, LLC	Ownership.....	100.000	TIAA Board of Governors		
			26-3774024	4613976			Suscol Mountain Vineyards, LLC	..CA.....	..NIA.....	Silverado Premium Properties, LLC	Ownership.....	100.000	TIAA Board of Governors		
			26-2766605	4614665			Terra Ventosa Vineyards, LLC	..CA.....	..NIA.....	Silverado Premium Properties, LLC	Ownership.....	100.000	TIAA Board of Governors		
			43-3997217	4601870			Silverado Winegrowers Holdings, LLC	..DE.....	..NIA.....	Dionysus Properties, LLC	Ownership.....	100.000	TIAA Board of Governors		
			68-0443927	4613921			Silverado Winegrowers LLC	..CA.....	..NIA.....	Silverado Winegrowers Holdings, LLC	Ownership.....	100.000	TIAA Board of Governors		
			94-3357571	4614759			Alta Loma Vineyard, LLC	..CA.....	..NIA.....	Silverado Winegrowers LLC	Ownership.....	100.000	TIAA Board of Governors		
			91-1806950	4615783			Silverado Suscol, LLC	..CA.....	..NIA.....	Silverado Winegrowers LLC	Ownership.....	100.000	TIAA Board of Governors		
			45-4820104	4617077			SWG Paso Vineyard, LLC	..CA.....	..NIA.....	Silverado Winegrowers LLC	Ownership.....	100.000	TIAA Board of Governors		
			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		
			98-0580879	4680307			DWM Inclusive Finance Equity Fund II	..LUX.....	..NIA.....	Teachers Insurance and Annuity Association of America	Influence.....		TIAA Board of Governors		
			98-0580879	4633947			DWM Microfinance Equity Fund I	..LUX.....	..NIA.....	Teachers Insurance and Annuity Association of America	Influence.....		TIAA Board of Governors		
				4894805			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		1700
				5485004			Global Real Estate Debt Partners Fund II (UK) SCSp	..LUX.....	..NIA.....	Teachers Insurance and Annuity Association of America	Influence.....		TIAA Board of Governors		1200
							Global Real Estate Debt Partners Fund III (UK) SCSp	..LUX.....	..NIA.....	Teachers Insurance and Annuity Association of America	Influence.....		TIAA Board of Governors		
			87-2192709				GreshamQuant SAFI Fund, L.L.C.	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors		
			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		
				4860556			Inception GP LLC	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors		
			27-4149157	4860846			Infra Alpha, LLC	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors		
			85-4309290	5615892			L.A. Teak Holdings, LLC	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors		
				5804052			Apical Reforestadora S.A.	..PAN.....	..NIA.....	L.A. Teak Holdings, LLC	Ownership.....	100.000	TIAA Board of Governors		
				4618346			Quercus Panama, LLC	..DE.....	..NIA.....	L.A. Teak Holdings, LLC	Ownership.....	100.000	TIAA Board of Governors		
			84-2323824	5708794			Landed Educator Retention Fund, LP	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Influence.....		TIAA Board of Governors		
			47-4169877	4874656			Lewis & Clark Timberlands, LP	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	57.400	TIAA Board of Governors		
			47-4187541	4876436			L&C Log Co, LLC	..DE.....	..NIA.....	Lewis & Clark Timberlands, LLC	Ownership.....	100.000	TIAA Board of Governors		
			47-4196668	4945967			L&C Tree Farms, LLC	..DE.....	..NIA.....	Lewis & Clark Timberlands, LLC	Ownership.....	100.000	TIAA Board of Governors		
			47-5300478	4946384			L&C TRS LLC	..DE.....	..NIA.....	L&C Tree Farms, LLC	Ownership.....	100.000	TIAA Board of Governors		
				4601852			Mansilla Participacoes LTDA	..BRA.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors		
				4634654			Radar Propriedades Agricolas S.A.	..BRA.....	..NIA.....	Mansilla Participacoes LTDA	Ownership.....	65.770	TIAA Board of Governors		1800

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SCHEDULE Y
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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? (Yes/No)	*
				4643320			Nova Agricola Ponte Alta S.A.	.BRA.....	NIA.....	Radar Propriedades Agricolas S.A.	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
				4643049			Nova Amaralina Propriedades Agrícolas S.A ...	.BRA.....	NIA.....	Radar Propriedades Agricolas S.A.	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
				4643058			Nova Santa Barbara Agrícola S.A.	.BRA.....	NIA.....	Radar Propriedades Agricolas S.A.	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
				4644523			Terras da Ponte Alta S.A.	.BRA.....	NIA.....	Radar Propriedades Agricolas S.A.	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
				4634645			Radar II Propriedades Agricolas S.A.	.BRA.....	NIA.....	Mansilla Participacoes LTDA	Influence.....	.....	TIAA Board of Governors .....		.....
				4644318			Bioinvestments Negocios e Participacoes	.BRA.....	NIA.....	Radar II Propriedades Agricolas S.A.	Ownership.....	99.990 ...	TIAA Board of Governors .....		.....
				5777709			Castanheira Propriedades Agrícolas S.A	.BRA.....	NIA.....	Radar II Propriedades Agricolas S.A.	Ownership.....	58.550 ...	TIAA Board of Governors .....		.....
				5777718			Manacá Propriedades Agrícolas S.A	.BRA.....	NIA.....	Radar II Propriedades Agricolas S.A.	Ownership.....	58.550 ...	TIAA Board of Governors .....		.....
				5777697			Paineira Propriedades Agrícolas S.A	.BRA.....	NIA.....	Radar II Propriedades Agricolas S.A.	Ownership.....	58.550 ...	TIAA Board of Governors .....		.....
				4643085			Proud Participacoes S.A.	.BRA.....	NIA.....	Radar II Propriedades Agricolas S.A.	Ownership.....	99.990 ...	TIAA Board of Governors .....		.....
				4634654			Radar Propriedades Agricolas S.A	.BRA.....	NIA.....	Radar II Propriedades Agricolas S.A.	Ownership.....	15.310 ...	TIAA Board of Governors		1800 ...
				4644336			Vale De Ponte Alta S.A.	.BRA.....	NIA.....	Radar II Propriedades Agricolas S.A.	Ownership.....	99.990 ...	TIAA Board of Governors .....		.....
			13-1624203 ..	5077137			MM Funding, LLC	.DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			47-0902011 ..	5043075			MyVest Corporation	.DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
							NBPT Aggregator LLC	.DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			11-3034756 ..	4600789			ND Properties, LLC	.DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	99.000 ...	TIAA Board of Governors		1900 ...
				4634917			Norteshopping Retail and Leisure Centre BV ..	.NLD.....	NIA.....	ND Properties, Inc.	Ownership.....	50.000 ...	TIAA Board of Governors .....		.....
							Norteshopping – Centro Commercial, S.A.	.PRT.....	NIA.....	Norteshopping Retail and Leisure Centre BV ..	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
							ND Europe S.a.r.l.	.LUX.....	NIA.....	ND Properties, Inc.	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
							ND Europe Office Holding S.à r.l.	.LUX.....	NIA.....	ND Europe S.a.r.l.	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
							Cityhold Nymphe S.à r.l.	.LUX.....	NIA.....	ND Europe Office Holding S.à r.l.	Influence.....	.....	TIAA Board of Governors		2000 ...
							Cityhold Propco 11 S.à r.l.	.LUX.....	NIA.....	ND Europe Office Holding S.à r.l.	Influence.....	.....	TIAA Board of Governors .....		.....
							OVG Cloud S.à r.l.	.LUX.....	NIA.....	Cityhold Propco 11 S.à r.l.	Ownership.....	10.100 ...	TIAA Board of Governors		2100 ...
							Cityhold Euro S.à r.l.	.LUX.....	NIA.....	ND Europe Office Holding S.à r.l.	Influence.....	.....	TIAA Board of Governors		2200 ...
							Cityhold Office Partnership S.à r.l.	.LUX.....	NIA.....	ND Europe Office Holding S.à r.l.	Influence.....	.....	TIAA Board of Governors .....		.....
				5354829			CHOP OPCl	.FRA.....	NIA.....	Cityhold Office Partnership S.à r.l.	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			98-1435873 ..	5356373			Cityhold Iconic Holding SAS	.FRA.....	NIA.....	CHOP OPCl	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			98-1433967 ..	5371554			Cityhold Iconic Hotel SNC	.FRA.....	NIA.....	Cityhold Iconic Holding SAS	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			98-1433956 ..	5371563			Cityhold Iconic Office SCI	.FRA.....	NIA.....	Cityhold Iconic Holding SAS	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			98-1433960 ..	5371572			Cityhold Iconic Retail SNC	.FRA.....	NIA.....	Cityhold Iconic Holding SAS	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			98-1433975 ..	5371590			Cityhold Iconic Youth Hostel SNC	.FRA.....	NIA.....	Cityhold Iconic Holding SAS	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
				5585128			Cityhold EST Investment S.à r.l.	.LUX.....	NIA.....	Cityhold Office Partnership S.à r.l.	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
				5618558			Cityhold Prinses Coöperatief U.A	.NLD.....	NIA.....	Cityhold EST Investment S.à r.l.	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
				5618567			Cityhold Prinses AcquiCo B.V.	.NLD.....	NIA.....	Cityhold Prinses Coöperatief U.A	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
				5618576			Ark Portfolio Owner Prinses B.V.	.NLD.....	NIA.....	Cityhold Prinses AcquiCo B.V.	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
							Cityhold Jobbe SAS	.FRA.....	NIA.....	Cityhold Office Partnership S.à r.l.	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
							Cityhold Jobbe SCI	.FRA.....	NIA.....	Cityhold Jobbe SAS	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
							Cityhold Nymphe S.à r.l.	.LUX.....	NIA.....	Cityhold Office Partnership S.à r.l.	Ownership.....	88.000 ...	TIAA Board of Governors		2000 ...
				4925558			Cityhold Propco 6 S.à r.l.	.LUX.....	NIA.....	Cityhold Office Partnership S.à r.l.	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			98-1433939 ..	5354847			Cityhold Iconic Hotel OPCO SAS	.FRA.....	NIA.....	Cityhold Propco 6 S.à r.l.	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			98-1435880 ..	5354856			Cityhold Iconic Investment S.à r.l.	.LUX.....	NIA.....	Cityhold Propco 6 S.à r.l.	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
				4925521			Cityhold Propco 9 S.à r.l.	.LUX.....	NIA.....	Cityhold Office Partnership S.à r.l.	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
				4612746			36 Rue La Fayette SAS	.FRA.....	NIA.....	Cityhold Propco 9 S.à r.l.	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
				4613828			SAS Roosevelt	.FRA.....	NIA.....	Cityhold Propco 9 S.à r.l.	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
				4914767			Roosevelt Participation S.à r.l.	.LUX.....	NIA.....	Cityhold Propco 9 S.à r.l.	Ownership.....	100.000 ...	TIAA Board of Governors		

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				4615578			SNC Roosevelt	.FRA	NIA	SAS Roosevelt	Ownership	99.990	TIAA Board of Governors		2300
				4615578			SNC Roosevelt	.FRA	NIA	Roosevelt Participation S.à r.l.	Ownership	0.010	TIAA Board of Governors		2300
				4612876			Courcelles 70 SAS	.FRA	NIA	Cityhold Propco 9 S.à r.l.	Ownership	100.000	TIAA Board of Governors		
				4914776			Cityhold Euro S.à r.l.	.LUX	NIA	Cityhold Propco 9 S.à r.l.	Ownership	88.000	TIAA Board of Governors		2200
				4925549			Cityhold Propco 7 S.à r.l.	.LUX	NIA	Cityhold Euro S.à r.l.	Ownership	100.000	TIAA Board of Governors		
				4925615			Cityhold Propco 10 S.à r.l.	.LUX	NIA	Cityhold Euro S.à r.l.	Ownership	100.000	TIAA Board of Governors		
				5612501			Cityhold Gouden Bocht B.V.	.NLD	NIA	Cityhold Propco 9 S.à r.l.	Ownership	100.000	TIAA Board of Governors		
				5486962			Cityhold Gouden Bocht Monumenten B.V.	.NLD	NIA	Cityhold Propco 9 S.à r.l.	Ownership	100.000	TIAA Board of Governors		
			98-1438380	5354838			Redevelopment Property II B.V.	.NLD	NIA	Cityhold Propco 9 S.à r.l.	Ownership	100.000	TIAA Board of Governors		
				4925633			Cityhold Propco 12 S.à r.l.	.LUX	NIA	Cityhold Office Partnership S.à r.l.	Ownership	100.000	TIAA Board of Governors		
				5593178			Cityhold GC Investment S.à r.l.	.LUX	NIA	Cityhold Propco 12 S.à r.l.	Ownership	100.000	TIAA Board of Governors		
				5596807			OVG Cloud S.à r.l.	.LUX	NIA	Cityhold Propco 12 S.à r.l.	Ownership	89.900	TIAA Board of Governors		2100
							Cityhold Grand Central Berlin SCS	.LUX	NIA	OVG Cloud S.à r.l.	Ownership	100.000	TIAA Board of Governors		
				4914785			Cityhold Sterling S.à r.l.	.LUX	NIA	Cityhold Office Partnership S.à r.l.	Ownership	100.000	TIAA Board of Governors		
				4914758			Cityhold UK Holding S.à r.l.	.LUX	NIA	Cityhold Sterling S.à r.l.	Ownership	100.000	TIAA Board of Governors		
							Cityhold Belgrave Operational Investment S. à r.l.	.LUX	NIA	Cityhold UK Holding S.à r.l.	Ownership	100.000	TIAA Board of Governors		
							Cityhold Belgrave Operational Holding S. à r.l.	.LUX	NIA	Cityhold UK Holding S.à r.l.	Ownership	100.000	TIAA Board of Governors		
							Belgrave House Operational Unit Trust	.JEY	NIA	Cityhold Belgrave Operational Holding S. à r.l.	Ownership	100.000	TIAA Board of Governors		
				4919753			Cityhold UK Investment S.à r.l.	.LUX	NIA	Cityhold UK Holding S.à r.l.	Ownership	100.000	TIAA Board of Governors		
				4651343			London Belgrave Unit Trust	.JEY	NIA	Cityhold UK Holding S.à r.l.	Ownership	99.800	TIAA Board of Governors		2400
				4651343			London Belgrave Unit Trust	.JEY	NIA	Cityhold UK Investment S.à r.l.	Ownership	0.200	TIAA Board of Governors		2400
				4949198			CLOF Victoria Nominee 1 Limited	.GBR	NIA	London Belgrave Unit Trust	Ownership	100.000	TIAA Board of Governors		
				4949228			CLOF Victoria Nominee 2 Limited	.GBR	NIA	London Belgrave Unit Trust	Ownership	100.000	TIAA Board of Governors		
				4844341			New Fetter Lane Unit Trust	.JEY	NIA	Cityhold UK Holding S.à r.l.	Ownership	99.900	TIAA Board of Governors		2500
				4844341			New Fetter Lane Unit Trust	.JEY	NIA	Cityhold UK Investment S.à r.l.	Ownership	0.100	TIAA Board of Governors		2500
				4919744			60 Great Portland Street Unit Trust	.JEY	NIA	Cityhold UK Holding S.à r.l.	Ownership	99.400	TIAA Board of Governors		2600
				4919744			60 Great Portland Street Unit Trust	.JEY	NIA	Cityhold UK Investment S.à r.l.	Ownership	0.600	TIAA Board of Governors		2600
				4920076			SMA Holding S.à r.l.	.LUX	NIA	Cityhold UK Investment S.à r.l.	Ownership	100.000	TIAA Board of Governors		
				4919744			70 St Mary Axe Unit Trust	.JEY	NIA	SMA Holding S.à r.l.	Ownership	99.900	TIAA Board of Governors		2700
				4919744			70 St Mary Axe Unit Trust	.JEY	NIA	Cityhold UK Investment S.à r.l.	Ownership	0.100	TIAA Board of Governors		2700
				4920067			HV Properties S.à r.l.	.LUX	NIA	Cityhold UK Holding S.à r.l.	Ownership	100.000	TIAA Board of Governors		
				4925763			HV Freehold S.à r.l.	.LUX	NIA	HV Properties S.à r.l.	Ownership	100.000	TIAA Board of Governors		
				4614704			TIAA Lux 9 S.à r.l.	.LUX	NIA	Cityhold Office Partnership S.à r.l.	Ownership	100.000	TIAA Board of Governors		
				4615738			SAS Malachite	.FRA	NIA	TIAA Lux 9 S.a.r.l	Ownership	100.000	TIAA Board of Governors		
				4616847			SNC Garnet-TIAA	.FRA	NIA	SAS Malachite	Ownership	100.000	TIAA Board of Governors		
				4616856			SNC La Defense	.FRA	NIA	SAS Malachite	Ownership	100.000	TIAA Board of Governors		
				4616865			SNC Lazuli	.FRA	NIA	SAS Malachite	Ownership	100.000	TIAA Board of Governors		
				4616874			SNC Peridot	.FRA	NIA	SAS Malachite	Ownership	100.000	TIAA Board of Governors		
				4613015			T-C Pep Holding S.a.r.l.	.LUX	NIA	ND Europe S.a.r.l.	Ownership	51.000	TIAA Board of Governors		
				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		
				4614674			TIAA Lux 11 S.a.r.l	.LUX	NIA	ND Europe S.a.r.l.	Ownership	51.000	TIAA Board of Governors		
				4615635			Gropius Passagen Verwaltungs GmbH	.DEU	NIA	TIAA Lux 11 S.a.r.l	Ownership	80.000	TIAA Board of Governors		
				4615644			Gropius S.a.r.l	.LUX	NIA	TIAA Lux 11 S.a.r.l	Ownership	80.000	TIAA Board of Governors		
				4615626			Gropius Passagen GmbH & Co KG	.DEU	NIA	Gropius S.a.r.l	Ownership	99.800	TIAA Board of Governors		2800
				4615626			Gropius Passagen GmbH & Co KG	.DEU	NIA	TIAA Lux 11 S.a.r.l	Ownership	0.160	TIAA Board of Governors		2800
				4611842			TIAA Lux 5 S.a.r.l.	.LUX	NIA	ND Properties, Inc.	Ownership	100.000	TIAA Board of Governors		

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PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domiciliary Location	Relationship 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 Required? (Yes/No)	*
			82-4183425	5613357			New York City Property Fund II LP	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	86.300	TIAA Board of Governors		
			15-4474636	5704134			15 Laight Street Holdings LLC	DE	NIA	New York City Property Fund II LP	Influence		TIAA Board of Governors		
			87-4553231	5704394			15 Laight Street Lender LLC	DE	NIA	15 Laight Street Holdings LLC	Ownership	100.000	TIAA Board of Governors		
			87-3846434	5704125			Cory Road REIT LLC	DE	NIA	New York City Property Fund II LP	Influence		TIAA Board of Governors		
			87-3847578	5704143			Cory Road Operating LP	DE	NIA	Cory Road REIT LLC	Ownership	98.620	TIAA Board of Governors		
			87-3737804	5777642			Cory Road Associates LLC	DE	NIA	Cory Road Operating LP	Ownership	100.000	TIAA Board of Governors		
			87-4032308	5704406			Cory Road TRS LP	DE	NIA	Cory Road Associates LLC	Ownership	100.000	TIAA Board of Governors		
			87-3783569	5704161			NYCPF II 94th Street Pooling LP	DE	NIA	New York City Property Fund II LP	Influence		TIAA Board of Governors		
							309 East 94th Street Holdings LLC	DE	NIA	NYCPF II 94th Street Pooling LP	Ownership	98.670	TIAA Board of Governors		
							309 East 94th Street Associates LLC	DE	NIA	309 East 94th Street Holdings LLC	Ownership	100.000	TIAA Board of Governors		
			83-4678924	5589537			New York City Property Fund REIT LLC	DE	NIA	New York City Property Fund II LP	Influence		TIAA Board of Governors		
			83-4701919	5588473			New York City Fund Operating GP LLC	DE	NIA	New York City Property Fund REIT LLC	Ownership	100.000	TIAA Board of Governors		
			83-4671194	5587841			New York City Property Fund Operating LP	DE	NIA	New York City Property Fund REIT LLC	Ownership	98.620	TIAA Board of Governors		
			84-3388831	5620690			125 West End Investors LLC	DE	NIA	New York City Property Fund Operating LP	Ownership	97.500	TIAA Board of Governors		
			84-3408615	5620702			125 West End Holdings LLC	DE	NIA	125 West End Investors LLC	Ownership	100.000	TIAA Board of Governors		
			83-4653622	5694600			125 West End Associates LLC	DE	NIA	125 West End Holdings LLC	Ownership	100.000	TIAA Board of Governors		
			88-4309659	5834639			Ridge Hill Holdings LLC	DE	NIA	New York City Property Fund II LP	Influence		TIAA Board of Governors		
			36-5014830	5833874			Ridge Hill Associates LLC	DE	NIA	Ridge Hill Holdings LLC	Ownership	83.330	TIAA Board of Governors		
			84-2320652	5486944			NGFF Holdco, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors		
			84-1895540	5535329			Nuveen Global Farmland Fund, LP	DE	NIA	NGFF Holdco, LLC	Ownership	100.000	TIAA Board of Governors		
			84-1834824	5535347			Global Farmland Properties LLC	DE	NIA	Nuveen Global Farmland Fund, LP	Ownership	100.000	TIAA Board of Governors		
			85-3631808	5596740			NGFF FFI, LLC	DE	NIA	Global Farmland US Properties, LLC	Ownership	100.000	TIAA Board of Governors		
			84-1857338	5535383			US Horticulture Farmland, LLC	DE	NIA	Global Farmland US Properties, LLC	Ownership	100.000	TIAA Board of Governors		
			84-1842298	5535374			US Row Farmland, LLC	DE	NIA	Global Farmland US Properties, LLC	Ownership	100.000	TIAA Board of Governors		
			84-1880235	5535365			US Viticulture Farmland, LLC	DE	NIA	Global Farmland US Properties, LLC	Ownership	100.000	TIAA Board of Governors		
			92-0403836	5786046			NGTF Holdco, LLC	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors		
			46-2031403	4860800			NRFC Inception IV, LP	DE	NIA	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Governors		
			46-2062147	4860819			NRFC Inception V, LP	DE	NIA	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Governors		
			98-1549843				Nuveen CLO Issuance Fund LP	CYM	NIA	Teachers Insurance and Annuity Association of America	Management		TIAA Board of Governors		
			84-5180286	5633029			Nuveen Global Impact Fund LP	DE	NIA	Teachers Insurance and Annuity Association of America	Management		TIAA Board of Governors		
							Nuveen High Yield Municipal Opportunities Fund LP	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	68.860	TIAA Board of Governors		
			83-4341275	5400511			Nuveen Municipal Opportunities Fund LP	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	74.420	TIAA Board of Governors		
			88-1470999	5729230			Nuveen Real Estate U.S. Impact Housing Fund LP	DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors		
			88-1539505	5729276			Nuveen Real Estate U.S. Impact Housing Fund REIT LLC	DE	NIA	Nuveen Real Estate U.S. Impact Housing Fund LP	Ownership	100.000	TIAA Board of Governors		
			88-1470699	5729315			Nuveen Real Estate U.S. Impact Housing Fund Operating GP LLC	DE	NIA	Nuveen Real Estate U.S. Impact Housing Fund REIT LLC	Ownership	100.000	TIAA Board of Governors		
			88-1472235	5729306			Nuveen Real Estate U.S. Impact Housing Fund Operating LP	DE	NIA	Nuveen Real Estate U.S. Impact Housing Fund REIT LLC	Ownership	100.000	TIAA Board of Governors		

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SCHEDULE Y
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.....			88-3423227 ..	5784967			IHF FA Woodbridge Investor Member LLC	.. DE.....	 NIA.....	Nuveen Real Estate U.S. Impact Housing Fund Operating LP	Ownership.....	100.000	TIAA Board of Governors		
.....			88-4255084 ..	5802692 .....	.....	.....	USIHF GP Holdco Parent LLC	.. DE.....	 NIA.....	Nuveen Real Estate U.S. Impact Housing Fund Operating LP	Ownership.....	100.000	TIAA Board of Governors .....	.....	..... .....
.....			92-0790831 ..	5802713 .....	.....	.....	USIHF GP Holdco LLC	.. DE.....	 NIA.....	USIHF GP Holdco Parent LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	..... .....
.....			92-1460099 ..	5810745 .....	.....	.....	USIHF GP NY Holdco LLC	.. DE.....	 NIA.....	USIHF GP Holdco Parent LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	..... .....
.....			92-3365983 ..	5860432 .....	.....	.....	USIHF Tressa GP LLC	.. DE.....	 NIA.....	Nuveen Real Estate U.S. Impact Housing Fund Operating LP	Ownership.....	100.000	TIAA Board of Governors .....	.....	..... .....
.....			92-3365006 ..	5860227 .....	.....	.....	USIHF Tressa LP LLC	.. DE.....	 NIA.....	Nuveen Real Estate U.S. Impact Housing Fund Operating LP	Ownership.....	100.000	TIAA Board of Governors .....	.....	..... .....
.....			86-1702891 ..	5614260 .....	.....	.....	Nuveen Real Estate U.S. Strategic Alternatives Fund I LP	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Management.....	..... .....	TIAA Board of Governors .....	.....	..... .....
.....			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 .....	.....	..... .....
.....			88-1443255 ..	5729267 .....	.....	.....	Nuveen Real Estate U.S. Strategic Lab Vehicle LP	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	.....	..... .....
.....			88-2640357 ..	5756003 .....	.....	.....	Nuveen Real Estate U.S. Strategic Lab Vehicle Holdings LP	.. DE.....	 NIA.....	Nuveen Real Estate U.S. Strategic Lab Vehicle LP	Ownership.....	100.000	TIAA Board of Governors .....	.....	..... .....
.....			88-1443830 ..	5729324 .....	.....	.....	Nuveen Real Estate U.S. Strategic Lab Vehicle REIT LLC	.. DE.....	 NIA.....	Nuveen Real Estate U.S. Strategic Lab Vehicle REIT LP	Ownership.....	100.000	TIAA Board of Governors .....	.....	..... .....
.....				5767625 .....	.....	.....	Nuveen Real Estate U.S. Strategic Lab Vehicle REIT Sub GP LLC	.. DE.....	 NIA.....	Nuveen Real Estate U.S. Strategic Lab Vehicle REIT LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	..... .....
.....				5767607 .....	.....	.....	Nuveen Real Estate U.S. Strategic Lab Vehicle REIT Sub LP	.. DE.....	 NIA.....	Nuveen Real Estate U.S. Strategic Lab Vehicle REIT LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	..... .....
.....			88-2561353 ..	5754906 .....	.....	.....	Nuveen Real Estate U.S. Strategic Lab Vehicle Non-REIT LLC	.. DE.....	 NIA.....	Nuveen Real Estate U.S. Strategic Lab Vehicle LP	Ownership.....	100.000	TIAA Board of Governors .....	.....	..... .....
.....			26-4750562 ..	4600846 .....	.....	.....	Occator Agricultural Properties, LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	.....	..... .....
.....			46-1768969 ..	4611860 .....	.....	.....	AGR Agricultural Investments, LLC	.. DE.....	 NIA.....	Occator Agricultural Properties, LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	..... .....
.....				5106475 .....	.....	.....	Mandala Food Co-Investment Holdings II SPV ..	.. MUS.....	 NIA.....	Occator Agricultural Properties, LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	..... .....
.....			85-1933477 ..	5596731 .....	.....	.....	Otto's South Vineyard, LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	.....	..... .....
.....			26-3821015 ..	4630133 .....	.....	.....	Pinnacle Third Avenue, LP	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Influence.....	..... .....	TIAA Board of Governors .....	.....	..... .....
.....							Renewable Power Fund Plus, LP	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	99.000	TIAA Board of Governors .....	.....	..... .....
.....			45-2792614 ..	4601142 .....	.....	.....	Renewable Timber Europe, LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	.....	..... .....
.....				4990994 .....	.....	.....	Renewable Timber Netherlands B.V.	.. POL.....	 NIA.....	Renewable Timber Europe, LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	..... .....
.....				4614713 .....	.....	.....	Topola Lasy Spolka z.o.o.	.. POL.....	 NIA.....	Renewable Timber Netherlands B.V.	Ownership.....	100.000	TIAA Board of Governors .....	.....	..... .....
.....			61-1640765 ..	4601759 .....	.....	.....	Renewable Timber Resources, LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	.....	..... .....
.....							REP Coinvest III TEC, L.P.	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Influence.....	..... .....	TIAA Board of Governors .....	.....	..... .....
.....			98-1718925 ..	5860218 .....	.....	.....	Seven30 Insurance (Bermuda) Co. Limited	.. BMU.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	.....	..... .....
.....			47-3994280 ..	4865047 .....	.....	.....	SHF-33d North Apts, LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	.....	..... .....
.....			47-4155469 ..	4865056 .....	.....	.....	SHF-Millennium One Apts, LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	.....	..... .....
.....			81-2450195 ..	4990958			SHF-The Rocks Apts, LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors		

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....			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		
....				4858629			Social Infra, LLC	..DE	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors		
....				4630601			Stichting Bewaarder Ziemia Fund	..NLD	NIA.....	Teachers Insurance and Annuity Association of America	Influence.....		TIAA Board of Governors		
....			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		
....			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		
....			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		
....				5084966			TIAA Australia Real Estate Trust	..AUS	NIA.....	T-C Australia RE Holdings II, LLC	Ownership.....	100.000	TIAA Board of Governors		
....				5195255			TGA Miller Holding Trust	..AUS	NIA.....	TIAA Australia Real Estate Trust	Ownership.....	100.000	TIAA Board of Governors		
....				5201820			TGA Miller Street Trust	..AUS	NIA.....	TGA Miller Holding Trust	Ownership.....	100.000	TIAA Board of Governors		
....				5085749			TIAA Melbourne Retail Holding 1 Trust	..AUS	NIA.....	TIAA Australia Real Estate Trust	Ownership.....	100.000	TIAA Board of Governors		
....				5087891			TIAA Melbourne Retail Asset 1 Trust	..AUS	NIA.....	TIAA Melbourne Retail Holding 1 Trust	Ownership.....	100.000	TIAA Board of Governors		
....				5399969			TGA Australia Real Estate Trust 2	..AUS	NIA.....	T-C Australia RE Holdings II, LLC	Ownership.....	100.000	TIAA Board of Governors		
....				5400481			TGA PBSA Hold Trust	..AUS	NIA.....	TGA Australia Real Estate Trust 2	Ownership.....	100.000	TIAA Board of Governors		
....				5424133			TGA PBSA Asset Trust 1	..AUS	NIA.....	TGA PBSA Hold Trust	Ownership.....	100.000	TIAA Board of Governors		
....				5596768			TGA PBSA Asset Trust 2	..AUS	NIA.....	TGA PBSA Hold Trust	Ownership.....	100.000	TIAA Board of Governors		
....				5596777			TGA PBSA Asset Trust 3	..AUS	NIA.....	TGA PBSA Hold Trust	Ownership.....	100.000	TIAA Board of Governors		
....							TGA PBSA Asset Trust 5	..AUS	NIA.....	TGA PBSA Hold Trust	Ownership.....	100.000	TIAA Board of Governors		
....				5699865			TGA PBSA Hold Trust 2	..AUS	NIA.....	TGA Australia Real Estate Trust 2	Ownership.....	100.000	TIAA Board of Governors		
....				5708749			TGA PBSA Asset Trust 4	..AUS	NIA.....	TGA PBSA Hold Trust 2	Ownership.....	100.000	TIAA Board of Governors		
....			47-2363168	4794503			T-C Europe Holding Inc.	..DE	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors		
....			47-2369576	4794473			T-C Europe LP	..DE	NIA.....	T-C Europe Holding Inc.	Ownership.....	1.000	TIAA Board of Governors		2900
....			47-2369576	4794473			T-C Europe LP	..DE	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	99.000	TIAA Board of Governors		2900
....				4843410			T-C Europe S.à r.l.	..LUX	NIA.....	T-C Europe LP	Ownership.....	100.000	TIAA Board of Governors		
....				4873501			Nightingale LuxCo S.à r.l.	..LUX	NIA.....	T-C Europe S.à r.l.	Ownership.....	100.000	TIAA Board of Governors		
....				4874665			T-C Nordics Investment AB	..SWE	NIA.....	Nightingale LuxCo S.à r.l.	Ownership.....	100.000	TIAA Board of Governors		
....							T-C Denmark ApS	..DNK	NIA.....	T-C Europe S.à r.l.	Ownership.....	100.000	TIAA Board of Governors		
....							Nordsjællandshusene 2 ApS	..DNK	NIA.....	T-C Denmark ApS	Ownership.....	100.000	TIAA Board of Governors		
....							Nordsjællandshusene 3 ApS	..DNK	NIA.....	T-C Denmark ApS	Ownership.....	100.000	TIAA Board of Governors		
....							T-C Europe LuxCo 1 S.a.r.l.	..LUX	NIA.....	T-C Europe S.à r.l.	Ownership.....	100.000	TIAA Board of Governors		
....							OBP 2700 Jersey Property Unit Trust	..JEY	NIA.....	T-C Europe S.à r.l.	Ownership.....	100.000	TIAA Board of Governors		
....				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		
....				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		
....				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		
....				5472901			Castel Guello I SRL	..ITA	NIA.....	Neptune Property Venture S.à r.l.	Ownership.....	100.000	TIAA Board of Governors		
....				4908364			Neptune Holding Spain, S.L.	..ESP	NIA.....	Neptune Property Venture S.à r.l.	Ownership.....	100.000	TIAA Board of Governors		
....				4912709			Promcat Alternativa, S.L.	..ESP	NIA.....	Neptune Holding Spain, S.L.	Ownership.....	100.000	TIAA Board of Governors		
....				5083651			Neptune Madrid Holdco S.L.	..ESP	NIA.....	Neptune Property Venture S.à r.l.	Ownership.....	100.000	TIAA Board of Governors		
....				5085691			Neptune Nassica Propco S.L.	..ESP	NIA.....	Neptune Madrid Holdco S.L.	Ownership.....	100.000	TIAA Board of Governors		
....				5085703			Neptune Getafe Propco S.L.	..ESP	NIA.....	Neptune Madrid Holdco S.L.	Ownership.....	100.000	TIAA Board of Governors		
....				5084920			Neptune Las Rozas Outlet S.L.	..ESP	NIA.....	Neptune Madrid Holdco S.L.	Ownership.....	100.000	TIAA Board of Governors		
....				5084939			Neptune San Sebastian Outlet S.L.	..ESP	NIA.....	Neptune Madrid Holdco S.L.	Ownership.....	100.000	TIAA Board of Governors		
....				4948687			Neptune OPC1 SAS	..FRA	NIA.....	Neptune Property Venture S.à r.l.	Ownership.....	100.000	TIAA Board of Governors		
....				4952648			Roppenheim Holding SAS	..FRA	NIA.....	Neptune OPC1 SAS	Ownership.....	100.000	TIAA Board of Governors		

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SCHEDULE Y
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				4901383			Roppenheim Outlet SNC	.FRA	NIA	Roppenheim Holding SAS	Ownership	99.990	TIAA Board of Governors		3000
				5198779			Neptune Ursus SP. z.o.o.	.POL	NIA	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Governors		
				4912736			Neptune Krakow SP. z.o.o.	.POL	NIA	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Governors		
				4912745			Neptune Annopol SP. z.o.o.	.POL	NIA	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Governors		
				5083633			Neptune Poznan SP. z.o.o.	.POL	NIA	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Governors		
				5354865			Neptune Property Holding S.à r.l.	.LUX	NIA	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Governors		
				5356382			Neptune Amsterdam B.V.	.NLD	NIA	Neptune Property Holding S.à r.l.	Ownership	100.000	TIAA Board of Governors		
				5659476			Neptune Gliwice Sp. z o.o.	.POL	NIA	Neptune Property Holding S.à r.l.	Ownership	100.000	TIAA Board of Governors		
				4949095			Neptune Roppenheim Holding S.à r.l.	.FRA	NIA	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Governors		
				4901383			Roppenheim Outlet SNC	.FRA	NIA	Neptune Roppenheim Holding S.à r.l.	Ownership	0.010	TIAA Board of Governors		3000
				5083642			Neptune Vicolungo I S.r.l.	.ITA	NIA	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Governors		
							T-C Storage Portfolio HoldCo S.à r.l.	.LUX	NIA	T-C Europe S.à r.l.	Ownership	100.000	TIAA Board of Governors		
							T-C Storage HoldCo AB	.SWE	NIA	T-C Storage Portfolio HoldCo S.à r.l.	Ownership	100.000	TIAA Board of Governors		
							Green S AB	.SWE	NIA	T-C Storage HoldCo AB	Ownership	95.000	TIAA Board of Governors		
							24Storage Property Export Kommanditbolag	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							24Storage Property Fyrislund AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							24Storage Property Handen Kommanditbolag	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							24Storage Property Kallhäll AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							24Storage Property Kungsholmen AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							24Storage Property Lagringen AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							24Storage Property Lärkträdet AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							24Storage Property Lokal AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							24Storage Property Lundavägen AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							24Storage Property Orminge AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							24Storage Property Täby AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							24Storage Property Tyresö AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							24Storage Property Uddevalla AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							24Storage Service 2 AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							24Storage Service 3 AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							24Storage Service 4 AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							24Storage Service AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							24Storage Systems & Brand AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							Green S Andelar AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							Green S Blixtljuset 15 AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							Green S Bygg AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							Green S Ekfatet 4 AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							Green S Huvudsta 3 29 AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							Green S Ny 20 AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							Green S Portfölj 1 AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							Green S Portfölj 2 AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							Green S Rasten 2 AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							Green S Söderbymalm 7 14 AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							Green S Vreten 12 KB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							Green Storage AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							T-C Storage BidCo AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							TC-Norway AS	.NOR	NIA	T-C Europe S.à r.l.	Ownership	100.000	TIAA Board of Governors		
							Billittveien 6 AS	.NOR	NIA	TC-Norway AS	Ownership	100.000	TIAA Board of Governors		
							Lonningsflaten 22 Eiendom AS	.NOR	NIA	TC-Norway AS	Ownership	100.000	TIAA Board of Governors		

STATEMENT AS OF JUNE 30, 2023 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? (Yes/No)	*
							Skedsmo Logistikk AS	..NOR.....	..NIA.....	TC-Norway AS	Ownership.....	100.000 ...	TIAA Board of Governors		
			45-2877772 ..	4601786			T-C GA Real Estate Holdings, LLC	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			46-0959792 ..	4611936			8 Spruce Street GA Investor, LLC	..DE.....	..NIA.....	T-C GA Real Estate Holdings, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			46-1403221 ..	4619567			FC 8 Spruce Holdings, LLC	..DE.....	..NIA.....	8 Spruce Street GA Investor, LLC	Influence.....	100.000 ...	TIAA Board of Governors		
			4511867				FC 8 Spruce Street Residential, LLC	..NY.....	..NIA.....	FC 8 Spruce Holdings, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			84-2144204 ..	5482311			2300 Broadway Storage Operator LLC	..DE.....	..NIA.....	T-C GA Real Estate Holdings, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			82-1419222 ..	5194360			Nuveen Global Cities REIT, Inc.	..MD.....	..NIA.....	T-C GA Real Estate Holdings, LLC	Management.....	100.000 ...	TIAA Board of Governors		
			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		
			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		
			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		
			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		
			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		
			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		
			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		
			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		
			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		
			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		
			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		
			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		
			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		
			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		
			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		
			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		
			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		
			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		
			47-4684031 ..	4904955			T-C 888 Brannan Venture LLC	..DE.....	..NIA.....	T-C 888 Brannan Member LLC	Ownership.....	50.100 ...	TIAA Board of Governors		
			47-4674147 ..	4908319			T-C 888 Brannan Owner LLC	..DE.....	..NIA.....	T-C 888 Brannan Venture LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			47-5605380 ..	4971845			T-C 888 Brannan TRS, LLC	..DE.....	..NIA.....	T-C 888 Brannan Owner LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			45-3479701 ..	4612081			T-C 2300 Broadway, LLC	..DE.....	..NIA.....	T-C GA Real Estate Holdings, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			46-1220681 ..	4612139			T-C Aspira LLC	..DE.....	..NIA.....	T-C GA Real Estate Holdings, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			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		
			46-1794486 ..	4615569			T-C Franklin Square Venture LLC	..DE.....	..NIA.....	T-C Franklin Square Member, LLC	Ownership.....	51.000 ...	TIAA Board of Governors		
			26-0011770 ..	4617611	1577581 ..		TIAA Franklin Square, LLC	..DE.....	..NIA.....	T-C Franklin Square Venture LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			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		
			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		
			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		
			45-4045658 ..	4612148			T-C Kings Crossing, LLC	..DE.....	..NIA.....	T-C GA Real Estate Holdings, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			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		
			46-0876833 ..	4628550			Legacy Place Associates, LLC	..MA.....	..NIA.....	T-C Legacy Place Member, LLC	Ownership.....	50.000 ...	TIAA Board of Governors		
							300 Legacy Place Boulevard LLC	..DE.....	..NIA.....	Legacy Place Associates, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			30-0769316 ..				Legacy Place Properties, LLC	..MA.....	..NIA.....	Legacy Place Associates, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			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		
			47-2867784 ..	4843979			T-C Republic Square Venture LLC	..DE.....	..NIA.....	T-C Republic Square Member LLC	Ownership.....	50.100 ...	TIAA Board of Governors		
			47-3033681 ..	4844659			T-C Republic Square REIT LLC	..DE.....	..NIA.....	T-C Republic Square Venture LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			47-3091198 ..	4844798			T-C Republic Square Mezzanine LLC	..DE.....	..NIA.....	T-C Republic Square REIT LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			47-2793452 ..	4847735			T-C Republic Square Owner LLC	..DE.....	..NIA.....	T-C Republic Square Mezzanine LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			87-3992388 ..	5689660			TGA Cass White 75 LLC	..DE.....	..NIA.....	T-C GA Real Estate Holdings, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		

STATEMENT AS OF JUNE 30, 2023 OF THE TIAA-CREF LIFE INSURANCE COMPANY

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

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Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Ownership Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Yes/No)	*
			88-1007987 ..	5723322			TGA Forum on Peachtree Investor Member LLC ..	..DE.....	NIA.....	T-C GA Real Estate Holdings, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			88-1007587 ..	5723331			TGA NAP Forum on Peachtree Venture LLC	..DE.....	NIA.....	TGA Forum on Peachtree Investor Member LLC	Ownership.....	..96.000 ...	TIAA Board of Governors		
			88-1007172 ..	5723340			TGA NAP Forum on Peachtree Owner LLC	..DE.....	NIA.....	TGA NAP Forum on Peachtree Venture LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			88-1913177 ..	5729931			TGA Lonestar Investor Member LLC	..DE.....	NIA.....	T-C GA Real Estate Holdings, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			88-2029531 ..	5741559			TGA BSL Lonestar JV LLC	..DE.....	NIA.....	TGA Lonestar Investor Member LLC	Ownership.....	..75.000 ...	TIAA Board of Governors		
			88-1913518 ..	5741607			TGA BSL Lonestar Owner LLC	..DE.....	NIA.....	TGA BSL Lonestar JV LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			87-4019549 ..	5689651			TGA Midway Distribution Center LLC	..DE.....	NIA.....	T-C GA Real Estate Holdings, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			88-0655999 ..	5720675			TGA MOB 5005 McConnell Member LLC	..DE.....	NIA.....	T-C GA Real Estate Holdings, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			88-0656194 ..	5720693			TGANX MOB 5005 McConnell Venture LLC	..DE.....	NIA.....	TGA MOB 5005 McConnell Member LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			88-0655748 ..	5720705			TGA MOB 5005 McConnell LLC	..DE.....	NIA.....	TGANX MOB 5005 McConnell Venture LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			88-0635252 ..	5720125			TGA Speedway Distribution Center LLC	..DE.....	NIA.....	T-C GA Real Estate Holdings, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			47-1379500 ..	4749969			The Flats Holding Company LLC	..DE.....	NIA.....	T-C GA Real Estate Holdings, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			47-1347366 ..	4752503			The Flats 130 DC Residential LLC	..DE.....	NIA.....	The Flats Holding Company LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			47-1363564 ..	4752512			The Flats 140 DC Residential LLC	..DE.....	NIA.....	The Flats Holding Company LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			47-1367530 ..	4751766			The Flats DC Grocery LLC	..DE.....	NIA.....	The Flats Holding Company LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			46-4567368 ..	4651473			T-C JK I, LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			46-4587620 ..	4651482			T-C JK II, LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			47-4095803 ..	4864022			T-C Lux Fund Holdings LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
				4896256			T-C Lux Investments Special Limited Partnership	..LUX.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
				5474053			European Cities Partnership SCSp	..LUX.....	NIA.....	T-C Lux Fund Holdings LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
				4894805			Global Real Estate Debt Partners Fund I (UK) SCSp	..LUX.....	NIA.....	T-C Lux Investments Special Limited Partnership	Management.....		TIAA Board of Governors		
										T-C Lux Investments Special Limited Partnership	Ownership.....	..24.300 ...	TIAA Board of Governors		.. 1700 ...
			81-4583865 ..	5137956			T-C MV Member LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			81-4599024 ..	5147049			T-C M-T REIT LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..99.900 ...	TIAA Board of Governors		
				5482281			T-C MV Member II LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			84-3224525 ..	5492075			T-C M-T REIT II LLC	..DE.....	NIA.....	T-C MV Member II LLC	Ownership.....	..51.000 ...	TIAA Board of Governors		
			85-2937933 ..	5586013			TC MT II Originations TRS LLC	..DE.....	NIA.....	T-C M-T REIT II LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
										Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			82-1023309 ..	5117800			T-C Permian Investor LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			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		
			36-4620008 ..	4599128			T-C SMA 2, LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			36-4619998 ..	4634029			PennMuni-TIAA U.S. Real Estate Fund, LLC	..DE.....	NIA.....	T-C SMA 2, LLC	Management.....		TIAA Board of Governors		
							T-C SV Member LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
							T-C S-T REIT LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Management.....		TIAA Board of Governors		
			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		
			81-2676934 ..	5012370			T-C UK RE Holdings I, LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			81-2691474 ..	5014299			T-C UK RE Holdings II, LLC	..DE.....	NIA.....	T-C UK RE Holdings I, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			81-3299073 ..	5018635			T-C UK RE Holdings III, LLC	..DE.....	NIA.....	T-C UK RE Holdings II, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		

STATEMENT AS OF JUNE 30, 2023 OF THE TIAA-CREF LIFE INSURANCE COMPANY

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

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.....			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		
.....			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 .....	.....	.....
.....			47-5392075 ..	4927785 .....	.....	.....	Waterford Blue Lagoon LP	..DE.....	NIA.....	T-C Waterford Blue Lagoon General Partner, LLC	Ownership.....	1.000	TIAA Board of Governors .....	.....	3100
.....			47-5375805 ..	4925503 .....	.....	.....	T-C Waterford Blue Lagoon, LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			47-5392075 ..	4927785 .....	.....	.....	Waterford Blue Lagoon LP	..DE.....	NIA.....	T-C Waterford Blue Lagoon, LLC	Ownership.....	50.000	TIAA Board of Governors .....	.....	3100
.....			81-0779817 ..	4930226 .....	.....	.....	Westland At Waterford REIT General Partner LLC	..DE.....	NIA.....	Waterford Blue Lagoon LP	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				4930244 .....	.....	.....	Waterford Blue Lagoon REIT General Partner LLC	..DE.....	NIA.....	Waterford Blue Lagoon LP	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			47-5305678 ..	4930208 .....	.....	.....	Waterford Blue Lagoon REIT LP	..DE.....	NIA.....	Waterford Blue Lagoon LP	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			47-5642524 ..	4933067 .....	.....	.....	5201-5301 Waterford General Partner LLC	..DE.....	NIA.....	Waterford Blue Lagoon REIT LP	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			47-5541032 ..	4933012 .....	.....	.....	5201-5301 Waterford Operating LP	..DE.....	NIA.....	Waterford Blue Lagoon REIT LP	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			47-5672651 ..	4933076 .....	.....	.....	5200 Waterford General Partner LLC	..DE.....	NIA.....	Waterford Blue Lagoon REIT LP	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			47-5498897 ..	4933021 .....	.....	.....	5200 Waterford Operating LP	..DE.....	NIA.....	Waterford Blue Lagoon REIT LP	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			81-0722154 ..	4933085 .....	.....	.....	1000 Waterford General Partner LLC	..DE.....	NIA.....	Waterford Blue Lagoon REIT LP	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			47-5479437 ..	4933030 .....	.....	.....	1000 Waterford Operating LP	..DE.....	NIA.....	Waterford Blue Lagoon REIT LP	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			47-5445045 ..	4933115 .....	.....	.....	701-703 Waterford General Partner LLC	..DE.....	NIA.....	Waterford Blue Lagoon REIT LP	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			47-5471474 ..	4933049 .....	.....	.....	701-703 Waterford Operating LP	..DE.....	NIA.....	Waterford Blue Lagoon REIT LP	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			82-2631273 ..	5165557 .....	.....	.....	Waterford Core REIT General Partner LLC	..DE.....	NIA.....	Waterford Blue Lagoon REIT LP	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			82-2646233 ..	5165566 .....	.....	.....	Waterford Core REIT LP	..DE.....	NIA.....	Waterford Blue Lagoon LP	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5483578 .....	.....	.....	Waterford Core 800 REIT General Partner LLC	..DE.....	NIA.....	Waterford Core REIT LP	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			84-3541603 ..	5483523 .....	.....	.....	Waterford Core 800 REIT LP	..DE.....	NIA.....	Waterford Core REIT LP	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			81-0733012 ..	4930217 .....	.....	.....	Waterford Core General Partner LLC	..DE.....	NIA.....	Waterford Core 800 REIT LP	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			47-5587163 ..	4928661 .....	.....	.....	Waterford Core Operating LP	..DE.....	NIA.....	Waterford Core 800 REIT LP	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			82-2672297 ..	5165539 .....	.....	.....	Waterford Core II General Partner LLC	..DE.....	NIA.....	Waterford Core REIT LP	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			82-2663579 ..	5165548 .....	.....	.....	Waterford Core II Operating LP	..DE.....	NIA.....	Waterford Core REIT LP	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....							Teachers Insurance and Annuity Association of America .....	.....	.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			81-2146865 ..	5041688 .....	.....	.....	TEFF Holdco LLC	..DE.....	NIA.....	TEFF Holdco LLC	Ownership.....	50.000	TIAA Board of Governors .....	.....	300
.....			98-1310729 ..	5041660 .....	.....	.....	TIAA European Farmland Fund GP LP	..CYM.....	NIA.....	TEFF Holdco LLC	Management.....	.....	TIAA Board of Governors .....	.....	.....
.....			98-1310748 ..	5042658 .....	.....	.....	TIAA European Farmland Fund LP	..CYM.....	NIA.....	TEFF Holding S.a.r.l	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5043066 .....	.....	.....	TEFF Holding S.a.r.l	..LUX.....	NIA.....	TIAA European Farmland Fund LP	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5354810 .....	.....	.....	Areal III Spolka z o.o.	..POL.....	NIA.....	TEFF Holding S.a.r.l	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....							Hodowla Zwierzat Zarodowych Choczewo Spolka z o.o.	..POL.....	NIA.....	Areal III SP. z o.o.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....							Hodowla Zwierzat Zarodowych Wierzychucino Spolka z o.o.	..POL.....	NIA.....	Areal III SP. z o.o.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....							Hodowla Zwierzat Zarodowych Zarnowiec Spolka z o.o.	..POL.....	NIA.....	Areal III SP. z o.o.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5424094 .....	.....	.....	Dangro Invest SA	..DNK.....	NIA.....	TEFF Holding S.a.r.l	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5093856 .....	.....	.....	AGAT Spolka z o.o.	..POL.....	NIA.....	Dangro Invest SA	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5116456 .....	.....	.....	AGRA Spolka z o.o.	..POL.....	NIA.....	Dangro Invest SA	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5117408 .....	.....	.....	AGRAMAX Spolka z o.o.	..POL.....	NIA.....	Dangro Invest SA	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5116447 .....	.....	.....	AGRIFARM Spolka z o.o.	..POL.....	NIA.....	Dangro Invest SA	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5116429 .....	.....	.....	AGRO - DUBLINY SP. z o.o.	..POL.....	NIA.....	Dangro Invest SA	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5117332 .....	.....	.....	AGROLAND Spolka z o.o.	..POL.....	NIA.....	Dangro Invest SA	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5117417 .....	.....	.....	AGROSERVICE Spolka z o.o.	..POL.....	NIA.....	Dangro Invest SA	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5117341 .....	.....	.....	AMAL Spolka z o.o.	..POL.....	NIA.....	Dangro Invest SA	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5117350 .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

STATEMENT AS OF JUNE 30, 2023 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? (Yes/No)	*
				5474763			CISY Spolka z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Governors		
				5117369			KOLNO Spolka z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Governors		
				5117378			MILKOWO Sp. Z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Governors		
				5117396			SATOPY Spolka z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Governors		
				5117387			SEE-AGRO SP. z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Governors		
				5117695			SOBIERADZ Spolka z o.o.	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Governors		
				5104556			Pszenrol SA	.POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Governors		
				5117435			BUDUS Spolka z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Governors		
				5117798			LOZICE Sp. z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Governors		
				5116492			OGARDY SP. z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Governors		
				5117640			ROLA Spolka z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Governors		
				5117659			ROLPOL Spolka z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Governors		
				5117668			ROLZBUD Spolka z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Governors		
				5116465			SZAFIR SP. z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Governors		
				5117761			WALICHNOWY Sp. z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Governors		
				5117770			WEZINY SP. z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Governors		
				5117789			ZIEMROL Spolka z o.o.	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Governors		
				5098486			Adamas SA	.POL	NIA	Pszenrol SA	Ownership	100.000	TIAA Board of Governors		
				5116586			AMBER SP. z o.o.	.POL	NIA	Adamas SA	Ownership	100.000	TIAA Board of Governors		
				5117444			CIESZYSLAW SP z o.o.	.POL	NIA	Adamas SA	Ownership	100.000	TIAA Board of Governors		
				5116522			JAROSLAWSKO I SP. z o.o.	.POL	NIA	Adamas SA	Ownership	100.000	TIAA Board of Governors		
				5116513			JAROSLAWSKO II SP. z o.o.	.POL	NIA	Adamas SA	Ownership	100.000	TIAA Board of Governors		
				5117462			JASIONNO Spolka z o.o.	.POL	NIA	Adamas SA	Ownership	100.000	TIAA Board of Governors		
				5116483			OPAL SP z o.o.	.POL	NIA	Adamas SA	Ownership	100.000	TIAA Board of Governors		
				5117677			TIETYN SP. z o.o.	.POL	NIA	Adamas SA	Ownership	100.000	TIAA Board of Governors		
				5354801			Gospodarstwo Okopy Sp. z o.o.	.POL	NIA	TEFF Holding S.a.r.l	Ownership	100.000	TIAA Board of Governors		
				5724115			Agrohop Bielice Sp. z o.o.	.POL	NIA	Gospodarstwo Okopy Sp. z o.o.	Ownership	100.000	TIAA Board of Governors		
				5473458			Agrohop Service Sp. z o.o.	.POL	NIA	Agrohop Bielice Sp. z o.o.	Ownership	100.000	TIAA Board of Governors		
				5473467			Agrohop Sp. z o.o.	.POL	NIA	Agrohop Bielice Sp. z o.o.	Ownership	100.000	TIAA Board of Governors		
				5473476			Agrohop Bis Sp. z o.o.	.POL	NIA	Agrohop Sp. z o.o.	Ownership	100.000	TIAA Board of Governors		
				5700613			Cieszanowice Solar Park sp. z o.o.	.POL	NIA	Gospodarstwo Okopy Sp. z o.o.	Ownership	100.000	TIAA Board of Governors		
				5424085			Przedsiębiorstwo Rolne Okopy Sp. z o.o.	.POL	NIA	Gospodarstwo Okopy Sp. z o.o.	Ownership	100.000	TIAA Board of Governors		
			92-2740334	5842036			TEIC Holdings LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors		
			84-3332496	5482272			TGA 10th Street Business Park LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors		
			82-1645257	5183412			TGA 127-137 Franklin LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors		
			92-1884082	5829336			TGA 2160 E 7th Street LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors		
			87-1739826	5653607			TGA 26600 26700 Aliso Viejo Parkway LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors		
			81-2769108	5012389			TGA 299 Franklin LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors		
			83-2957526	5353747			TGA 3401 North Ashton Blvd LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors		
			82-4830474	5371899			TGA 3851 Grandpine Way LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors		
			81-3988795	5049479			TGA 600 College Road LLC	.DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors		

STATEMENT AS OF JUNE 30, 2023 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? (Yes/No)	*
.....			88-0637658 ..	5720152 .....	.....	.....	TGA 601D Operating Member LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			83-2548459 ..	5474231 .....	.....	.....	TGA 730 Third Avenue Owner LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			87-1740428 ..	5653081 .....	.....	.....	TGA 8500 8551 Research Way LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			88-0634999 ..	5720134 .....	.....	.....	TGA Adairsville DC LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			82-2225812 ..	5353886 .....	.....	.....	TGA APAC Fund Holdings, LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			98-1429292 ..	5593169 .....	.....	.....	Asia Pacific Cities Fund, FCP	..LUX.....	NIA.....	TGA APAC Fund Holdings, LLC	Management.....	.....	TIAA Board of Governors .....	.....	..3200
.....			5818536	5818536 .....	.....	.....	TGA APAC RE Holdings Pte. Ltd.	..SGP.....	NIA.....	TGA APAC Fund Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			82-2311300 ..	5477027 .....	.....	.....	TGA Real Estate Fund Holdings, LLC	..DE.....	NIA.....	TGA APAC Fund Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			98-1429292 ..	5593169 .....	.....	.....	Asia Pacific Cities Fund, FCP	..LUX.....	NIA.....	TGA Real Estate Fund Holdings, LLC	Management.....	.....	TIAA Board of Governors .....	.....	..3200
.....			87-4097244 ..	5687929 .....	.....	.....	TGA ASI Eagles Landing Investor Member LLC ..	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			88-1120507 ..	5723265 .....	.....	.....	TGA ASI Mission Trails Investor Member LLC ..	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			86-3673675 ..	5606014 .....	.....	.....	TGA ASI Monte Vista Investor Member LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			86-2376987 ..	5609800 .....	.....	.....	TGA ASI Riverstone Investor Member LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			87-3063209 ..	5657306 .....	.....	.....	TGA ASI Sage Investor Member LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			88-1120056 ..	5723256 .....	.....	.....	TGA ASI Sierra Vista Investor Member LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			84-3830265 ..	5500363 .....	.....	.....	TGA Auburn Business Park LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			84-3285557 ..	5495487 .....	.....	.....	TGA Aurora DC III LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			84-3475931 ..	5515237 .....	.....	.....	TGA Baltimore IC LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			83-1851559 ..	5353868 .....	.....	.....	TGA Barnes Canyon Life Science LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			84-3303586 ..	5482245 .....	.....	.....	TGA Beckwith Farms LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			84-3314123 ..	5482236 .....	.....	.....	TGA Bedford Park LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			85-4073425 ..	5592649 .....	.....	.....	TGA Boulder Creek LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			85-4073222 ..	5592667 .....	.....	.....	TGA Bridge Creek LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			84-3441362 ..	5514119 .....	.....	.....	TGA Bridge Point LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			84-2939313 ..	5482209 .....	.....	.....	TGA Cactus DC I LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			84-3523623 ..	5515228 .....	.....	.....	TGA Capital Beltway CC LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			92-1681994 ..	5818527 .....	.....	.....	TGA Capital Gateway LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			84-3487859 ..	5515321 .....	.....	.....	TGA Center Square DC LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....

STATEMENT AS OF JUNE 30, 2023 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
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.....			84-3314029 ..	5482861			TGA Centerpointe LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors		
.....			83-3799476 ..	5424142 .....	.....	.....	TGA Central Green LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			84-4376282 ..	5586385 .....	.....	.....	TGA Central Square Investor Member LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			84-4880676 ..	5586394 .....	.....	.....	TGACSE Central Square Holdings LLC	..DE.....	NIA.....	TGA Central Square Investor Member LLC	Ownership.....	95.000	TIAA Board of Governors .....	.....	.....
.....			84-4893448 ..	5586433 .....	.....	.....	TGACSE Central Square LLC	..DE.....	NIA.....	TGACSE Central Square Holdings LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			84-4893383 ..	5586406 .....	.....	.....	TGACSE Morningside LLC	..DE.....	NIA.....	TGACSE Central Square Holdings LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			84-4924033 ..	5586424 .....	.....	.....	TGACSE Triangle LLC	..DE.....	NIA.....	TGACSE Central Square Holdings LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			83-0780652 ..	5375123 .....	.....	.....	TGA Connections at Athens Investor Member LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			61-1892161 ..	5597989 .....	.....	.....	PEP-TH Athens, LLC	..DE.....	NIA.....	TGA Connections at Athens Investor Member LLC	Ownership.....	98.000	TIAA Board of Governors .....	.....	.....
.....			83-1011298 ..	5597998 .....	.....	.....	PEP Athens, LLC	..DE.....	NIA.....	PEP-TH Athens, LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			85-1065983 ..	5592706 .....	.....	.....	TGA Creekside Village Investor Member LLC ...	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			84-3740496 ..	5482964 .....	.....	.....	TGA East Coronado Industrial LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			84-3740590 ..	5482937 .....	.....	.....	TGA East Miraloma Industrial LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			87-1762569 ..	5620476 .....	.....	.....	TGA Eastridge Investor Member LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....							TGA King EastRidge Venture LLC	..DE.....	NIA.....	TGA Eastridge Investor Member LLC	Ownership.....	95.000	TIAA Board of Governors .....	.....	.....
.....							TGA King EastRidge Owner LLC	..DE.....	NIA.....	TGA King EastRidge Venture LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			84-3740669 ..	5482946 .....	.....	.....	TGA Emerald Corporate Park LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			84-3502383 ..	5515291 .....	.....	.....	TGA Englewood DC LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			85-4076202 ..	5615883 .....	.....	.....	TGA Enterprise Park Business Center LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			83-2810033 ..	5353774 .....	.....	.....	TGA European RE Holdings I, LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	99.000	TIAA Board of Governors .....	.....	3300
.....			5371620 .....	.....	.....	.....	Eagle GPCo S.à r.l.	..LUX.....	NIA.....	TGA European RE Holdings I, LLC	Ownership.....	89.500	TIAA Board of Governors .....	.....	.....
.....			5371639 .....	.....	.....	.....	Eagle Partnership SCSp	..LUX.....	NIA.....	TGA European RE Holdings I, LLC	Ownership.....	89.500	TIAA Board of Governors .....	.....	.....
.....			5482348 .....	.....	.....	.....	Eagle JVCo S.à r.l.	..LUX.....	NIA.....	Eagle Partnership SCSp	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			5482375 .....	.....	.....	.....	CB Kriean Dzwei GmbH	..AUT.....	NIA.....	Eagle JVCo S.à r.l.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			5493867 .....	.....	.....	.....	VIE Student House A GmbH & Co KG	..AUT.....	NIA.....	CB Kriean Dzwei GmbH	Ownership.....	6.000	TIAA Board of Governors .....	.....	3400
.....			5486373 .....	.....	.....	.....	Eagle Austria Holdings S.à r.l.	..LUX.....	NIA.....	Eagle JVCo S.à r.l.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			5493867 .....	.....	.....	.....	VIE Student House A GmbH & Co KG	..AUT.....	NIA.....	Eagle Austria Holdings S.à r.l.	Ownership.....	94.000	TIAA Board of Governors .....	.....	3400
.....							Eagle Italy 1 S.r.l.	..ITA.....	NIA.....	Eagle JVCo S.à r.l.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			5482366 .....	.....	.....	.....	Stuenthouse Rua Manuel Pereira, S.A	..PRT.....	NIA.....	Eagle JVCo S.à r.l.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			5654631 .....	.....	.....	.....	Wroc?aw Fabryczna 22 sp. z o.o.	..POL.....	NIA.....	Eagle JVCo S.à r.l.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			5654622 .....	.....	.....	.....	Wroc?aw Prusa 9 sp. z o.o.	..POL.....	NIA.....	Eagle JVCo S.à r.l.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			5802638 .....	.....	.....	.....	Preferred Housing Living Limited	..GBR.....	NIA.....	TGA European RE Holdings I, LLC	Ownership.....	90.000	TIAA Board of Governors .....	.....	.....
.....							PHLL Holdco Limited	..GBR.....	NIA.....	Preferred Housing Living Limited	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			5812824 .....	.....	.....	.....	PHL Leeds Limited	..GBR.....	NIA.....	PHLL Holdco Limited	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			5812833 .....	.....	.....	.....	PHL Nottingham Limited	..GBR.....	NIA.....	PHLL Holdco Limited	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			5812815 .....	.....	.....	.....	PHL Telford Limited	..GBR.....	NIA.....	PHLL Holdco Limited	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....							Sustainable Living II GP S.à r.l.	..LUX.....	NIA.....	TGA European RE Holdings I, LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....

STATEMENT AS OF JUNE 30, 2023 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 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? (Yes/No)	16 *
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi- ciliary Loca- tion	Relation- ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)					
....				5727777 .....	.....	.....	TGA Housing Holding S.à r.l.	..LUX.....	NIA.....	TGA European RE Holdings I, LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....				5727786 .....	.....	.....	TIAA General Account Housing German Property GmbH	..DEU.....	NIA.....	TGA Housing Holding S.à r.l.	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....				5806814 .....	.....	.....	TIAA General Account Housing German Services GmbH	..DEU.....	NIA.....	TGA Housing Holding S.à r.l.	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....				5726921 .....	.....	.....	TK Living GPCo Sarl	..LUX.....	NIA.....	TGA European RE Holdings I, LLC	Ownership.....	90.000 ...	TIAA Board of Governors .....	.....	.....
....				5353812 .....	.....	.....	TK Living Partnership SCSp	..LUX.....	NIA.....	TGA European RE Holdings I, LLC	Ownership.....	90.000 ...	TIAA Board of Governors .....	.....	.....
....				5653803 .....	.....	.....	TK Living JVCo Sarl	..LUX.....	NIA.....	TK Living Partnership SCSp	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....				5653830 .....	.....	.....	Lotomint S.L.	..ESP.....	NIA.....	TK Living JVCo Sarl	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....				5653876 .....	.....	.....	Carminsin S.L.	..ESP.....	NIA.....	Lotomint S.L.	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....							Crisatino S.L.	..ESP.....	NIA.....	Lotomint S.L.	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....							Lucerini, S.L.	..ESP.....	NIA.....	Lotomint S.L.	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....							Mangaralia S.L.	..ESP.....	NIA.....	Lotomint S.L.	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....				5653867 .....	.....	.....	Naraliso S.L.	..ESP.....	NIA.....	Lotomint S.L.	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....				5653858 .....	.....	.....	Sanfergar S.L.	..ESP.....	NIA.....	Lotomint S.L.	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....							Stay by Kronos Cordoba S.L.	..ESP.....	NIA.....	Lotomint S.L.	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....							Stay by Kronos Tarragona S.L.	..ESP.....	NIA.....	Lotomint S.L.	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....							Stay by Kronos Torrejon S.L.	..ESP.....	NIA.....	Lotomint S.L.	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....				5653885 .....	.....	.....	Tinesen S.L.	..ESP.....	NIA.....	Lotomint S.L.	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....							Vesterone, S.L.	..ESP.....	NIA.....	Lotomint S.L.	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....							Weslinero S.L.	..ESP.....	NIA.....	Lotomint S.L.	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....				88-1762996	5729164 .....	.....	TGA Minority Interest Holdings LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....			11-3034756	4600789 .....	.....	.....	ND Properties, LLC	..DE.....	NIA.....	TGA Minority Interest Holdings LLC	Ownership.....	1.000 ...	TIAA Board of Governors .....	.....	.. 1900
....			83-2810033	5353774 .....	.....	.....	TGA European RE Holdings I, LLC	..DE.....	NIA.....	TGA Minority Interest Holdings LLC	Ownership.....	1.000 ...	TIAA Board of Governors .....	.....	.. 3300
....				5049497 .....	.....	.....	TGA FC Investor Member LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....			82-2708488	5709018 .....	.....	.....	Fenway Center Holding 1-2, LLC	..DE.....	NIA.....	TGA FC Investor Member LLC	Ownership.....	50.000 ...	TIAA Board of Governors .....	.....	.....
....			82-2708488 .....	.....	.....	.....	Fenway Center Owner 1-2, LLC	..DE.....	NIA.....	Fenway Center Holding 1-2, LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....			84-3523773	5515282 .....	.....	.....	TGA Franklin Square IC I LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....			84-3523813	5533530 .....	.....	.....	TGA Franklin Square IC II LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....			84-3332846	5482919 .....	.....	.....	TGA Freeport DC LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....			88-4247949	5837881 .....	.....	.....	TGA Germann Road Apartments LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....			92-0783347	5833856 .....	.....	.....	TGA GP Holdco Parent LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....			88-4207931 .....	.....	.....	.....	TGA GP Holdco LLC	..DE.....	NIA.....	TGA GP Holdco Parent LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....			88-4400855 .....	.....	.....	.....	TGA GP NY Holdco LLC	..DE.....	NIA.....	TGA GP Holdco Parent LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....			92-2882920	5851364 .....	.....	.....	TGA GP TX HoldCo	..DE.....	NIA.....	TGA GP Holdco Parent LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....			84-3740749	5482928 .....	.....	.....	TGA Greenstone Logistics Center LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....			84-3463522	3997186 .....	.....	.....	TGA Hagerstown DC LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....			92-0668909	5789216 .....	.....	.....	TGA Haines City LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
....			84-3475313	5515264 .....	.....	.....	TGA Hollins End LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....

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? (Yes/No)	*
.....			84-3523721 ..	5515312 .....	.....	.....	TGA I-95 DC LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			84-3718861 ..	5444908 .....	.....	.....	TGA JIL Investor Member LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			84-4376472 ..	5613320 .....	.....	.....	TGA JIL II Investor Member LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			87-1280436 ..	5619096 .....	.....	.....	TGA JIL III CT Investor Member LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			85-1292481 ..	5656783 .....	.....	.....	TGA JIL MCF Investor Member LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			87-4248374 ..	5690451 .....	.....	.....	TGA JIL MCF II Investor Member LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			85-4075985 ..	5592676 .....	.....	.....	TGA Lakes at Indian Creek Investor Member LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			84-3523582 ..	5586349 .....	.....	.....	TGA Landover DC LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....							TGA Lending III LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			87-3398451 ..	5687947 .....	.....	.....	TGA Los Tres Investor Member LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			84-4773958 ..	5592902 .....	.....	.....	TGA Maryland Farms Holdings LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			84-4775239 ..	5538834 .....	.....	.....	U.S. Cities Office Fund Maryland Farms Co-Invest	.. DE.....	 NIA.....	TGA Maryland Farms Holdings LLC	Ownership.....	..49.000	TIAA Board of Governors .....	.....	.. 3500
.....			84-2765297 ..	5483028 .....	.....	.....	TGA MH Investor Member LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			86-2908291 ..	5653979 .....	.....	.....	TGA MH III Investor Member LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			82-1169084 ..	5354799 .....	.....	.....	TGA MKP Member LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			82-1198745 ..	5510214 .....	.....	.....	TGA MKP Venture LLC	.. DE.....	 NIA.....	TGA MKP Member LLC	Ownership.....	..60.000	TIAA Board of Governors .....	.....	..... .....
.....			82-1187131 ..	5529038 .....	.....	.....	TGA MKP REIT LLC	.. DE.....	 NIA.....	TGA MKP Venture LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			87-3883343 ..	5690479 .....	.....	.....	TGA MOB Prescott Member LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			87-3883887 ..	5690518 .....	.....	.....	TGANX MOB Prescott Venture LLC	.. DE.....	 NIA.....	TGA MOB Prescott Member LLC	Ownership.....	..90.000	TIAA Board of Governors .....	.....	..... .....
.....			87-3883657 ..	5690527 .....	.....	.....	TGANX MOB Prescott LLC	.. DE.....	 NIA.....	TGANX MOB Prescott Venture LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			85-3566018 ..	5615847 .....	.....	.....	TGA MOB South Boerne LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			81-4232788 ..	5075722 .....	.....	.....	TGA Montague Investor Member, LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....				5093780 .....	.....	.....	RCD TGA Pierrepont Partners LLC	.. DE.....	 NIA.....	TGA Montague Investor Member, LLC	Ownership.....	..51.600	TIAA Board of Governors .....	.....	..... .....
.....			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 .....	.....	..... .....
.....			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 .....	.....	..... .....
.....			83-1916152 ..	5353877 .....	.....	.....	TGA MS Self Storage Investor Member LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			83-2379583 ..	5354922 .....	.....	.....	Morningstar NRE Self Storage Portfolio LLC ..	.. DE.....	 NIA.....	TGA MS Self Storage Investor Member LLC ...	Ownership.....	..90.000	TIAA Board of Governors .....	.....	..... .....
.....							MSC Bentonville, LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC ..	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....							MSC Boerne, LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC ..	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....

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? (Yes/No)	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 Buda, LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....							MSC Carolinas, LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....							MSC Dam Storage, LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....							MSC Evans Rd, LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....							MSC Greenhouse, LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....							MSC Highway 521 Storage, LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....							MSC Kemps Landing, LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....							MSC Midtown Atlanta, LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....							MSC MTP, LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....							MSC Peachtree, LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....							MSC South End, LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....							MSC Spring Branch, LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....							MSC SW Austin, LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....							MSC Tallahassee, LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....							MSC Yorktown, LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			85-1291326 ..	5652785 .....	.....	.....	TGA Nex Investor LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			83-4139835 ..	5482889 .....	.....	.....	TGA NJAHP Investor Member LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			84-4574378 ..	5613263 .....	.....	.....	TGA NJAHP II Investor Member LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			85-2859128 ..	5585753 .....	.....	.....	TGA NYCAHP I Investor Member LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			84-3740851 ..	5482898 .....	.....	.....	TGA North Miller Industrial LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			84-3759605 ..	5482852 .....	.....	.....	TGA North Orange Industrial LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			84-4774106 ..	5586965 .....	.....	.....	TGA Ohare Logistics Center IV LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			88-4069421 ..	5785311 .....	.....	.....	TGA Oak Grove Plaza LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			85-3510351 ..	5595369 .....	.....	.....	TGA Octave Apartments LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			87-3969114 ..	5689642 .....	.....	.....	TGA One Norman Square LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....

STATEMENT AS OF JUNE 30, 2023 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? (Yes/No)	*
.....			85-4396119 ..	5596795 .....	.....	.....	TGA Pacific Landing LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	.....
.....			87-1595214 ..	5619087 .....	.....	.....	TGA Pacific Landing Phase II LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	.....
.....			84-3254652 ..	5482982 .....	.....	.....	TGA Park 355 LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	.....
.....			84-3254103 ..	5482991 .....	.....	.....	TGA Park 55 LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	.....
.....			84-3254979 ..	5482955 .....	.....	.....	TGA Park 88 LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	.....
.....			87-3029971 ..	5687956 .....	.....	.....	TGA PC Charleston Club Investor Member LLC ..	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	.....
.....			85-3076626 ..	5586004 .....	.....	.....	TGA PC MCF Investor Member LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	.....
.....			87-2112453 ..	5655665 .....	.....	.....	TGA PC Richmond Investor Member LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	.....
.....							TGA Peaceable Investor Member LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	.....
.....				5813045 .....	.....	.....	TGA Peaceable Investor Member II LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	.....
.....				5813063 .....	.....	.....	TGA Peaceable Investor Member III LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	.....
.....			88-3094495 ..	5758874 .....	.....	.....	TGA Peaceable Investor Member 2022 LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	.....
.....			93-1981655 ..	.....	.....	.....	TGA Peaceable Investor Member 2023 LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	.....
.....			84-3285659 ..	5482973 .....	.....	.....	TGA Prairie Point LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	.....
.....			84-3830675 ..	5514070 .....	.....	.....	TGA Renton Park 405 LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	.....
.....			87-3533472 ..	5687910 .....	.....	.....	TGA River Club Apartments LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	.....
.....			87-3533710 ..	5690488 .....	.....	.....	TGA River Club Townhomes LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	.....
.....			92-2699982 ..	5837256 .....	.....	.....	TGA Roswell Wieuca LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	.....
.....			83-2938932 ..	5353765 .....	.....	.....	TGA Sandy Commerce Park LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	.....
.....			84-3487605 ..	5586451 .....	.....	.....	TGA Somerset IC LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	.....
.....			84-3476142 ..	5515255 .....	.....	.....	TGA Somerset IC II LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	.....
.....			85-2863856 ..	5592694 .....	.....	.....	TGA Sparrow Investor LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	.....
.....			85-2574637 ..	5616031 .....	.....	.....	Sparrow Realty Investment I LLC	.. DE.....	NIA.....	TGA Sparrow Investor LLC	Ownership.....	95.000 ..	TIAA Board of Governors .....	.....	.....
.....							Sparrow Realty Investment WHF, LLC	.. DE.....	NIA.....	Sparrow Realty Investment I LLC	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	.....
.....							SN Arizona LLC	.. DE.....	NIA.....	Sparrow Realty Investment WHF, LLC	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	.....
.....							SN DFW LLC	.. DE.....	NIA.....	Sparrow Realty Investment WHF, LLC	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	.....
.....			86-1703020 ..	5652721 .....	.....	.....	SN SA LLC	.. DE.....	NIA.....	Sparrow Realty Investment WHF, LLC	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	.....
.....							SN Tampa LLC	.. DE.....	NIA.....	Sparrow Realty Investment WHF, LLC	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	.....
.....			85-3330672 ..	5656840 .....	.....	.....	Sparrow Homes US LLC	.. DE.....	NIA.....	Sparrow Realty Investment WHF, LLC	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	.....
.....			87-4748024 ..	5704796			TGA Sparrow II Investor LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ..	TIAA Board of Governors		

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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? (Yes/No)	*
.....							Sparrow Realty Investment II, LLC	.. DE.....	 NIA.....	TGA Sparrow II Investor LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....							Sparrow Realty Investment WHF II, LLC	.. DE.....	 NIA.....	Sparrow Realty Investment II, LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....							TGA Specialty Shops Investor Member LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....							TGA HP Specialty Shops Venture LLC	.. DE.....	 NIA.....	TGA Specialty Shops Investor Member LLC ..	Ownership.....	98.000 ...	TIAA Board of Governors .....	.....	.....
.....							TGA HP Specialty Shops Owner LLC	.. DE.....	 NIA.....	TGA HP Specialty Shops Venture LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....							Teachers Insurance and Annuity Association of America .....	.....	.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			83-2063402 ..	5353804 .....	.....	.....	TGA SP-MPC Housing Investor Member LLC	.. DE.....	 NIA.....	TGA SP-MPC Housing Investor Member LLC	Ownership.....	87.500 ...	TIAA Board of Governors .....	.....	.....
.....			83-2147240 ..	5354904 .....	.....	.....	TGA-SP Housing Venture I LLC	.. DE.....	 NIA.....	TGA SP-MPC Housing Investor Member LLC	Ownership.....	97.000 ...	TIAA Board of Governors .....	.....	.....
.....			83-2123785 ..	5371611 .....	.....	.....	TGA SP-MPC Housing Venture I LLC	.. DE.....	 NIA.....	TGA-SP Housing Venture I LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			83-1869400 ..	5593208 .....	.....	.....	MPSP Ashwood Homes LLC	.. DE.....	 NIA.....	TGA SP-MPC Housing Venture I LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....							Morningstar NRE Self Storage Portfolio LLC .....	.....	.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			83-1869494 ..	5593196 .....	.....	.....	MPSP Ashwood MHC LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....							MPSP Beltline Homes LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			84-2331138 ..	5492963 .....	.....	.....	MPSP Beltline Lender LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			84-2345909 ..	5492833 .....	.....	.....	MPSP Beltline Lender LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			84-2216330 ..	5492860 .....	.....	.....	MPSP Beltline MHC LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....							MPSP Center Grove Homes LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			83-1088601 ..	.....	.....	.....	MPSP Center Grove Lender LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			83-2290040 ..	.....	.....	.....	MPSP Center Grove Lender LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			83-1076792 ..	.....	.....	.....	MPSP Center Grove MHC LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			84-2158715 ..	5492824 .....	.....	.....	MPSP Colinas South Homes LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			84-2158791 ..	5492851 .....	.....	.....	MPSP Colinas South Lender LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			84-2169896 ..	5492842 .....	.....	.....	MPSP Colinas South MHC LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			84-2169973 ..	5492712 .....	.....	.....	MPSP Estancia Homes LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			84-2277681 ..	5492682 .....	.....	.....	MPSP Estancia Lender LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			84-1976109 ..	5492691 .....	.....	.....	MPSP Estancia MHC LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			83-4260197 ..	5493232 .....	.....	.....	MPSP Fairlane Oaks Homes LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			83-4283444 ..	5493175 .....	.....	.....	MPSP Fairlane Oaks Lender LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			83-4241248 ..	5493308 .....	.....	.....	MPSP Fairlane Oaks MHC LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			84-2290488 ..	5492954 .....	.....	.....	MPSP Lakeview Homes LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			84-2319726 ..	5492972 .....	.....	.....	MPSP Lakeview Lender LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....			84-2199063 ..	5492703			MPSP Lakeview MHC LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ...	TIAA Board of Governors		

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

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.....			83-1213262 ..	5593226			MPSP Lemon Tree Homes LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
.....			83-2548459 ..	5593217 .....	.....	.....	MPSP Lemon Tree MHC LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	.. 100.000	TIAA Board of Governors .....	.....	.....
.....			83-1230821 ..	5593244 .....	.....	.....	MPSP Mobile Gardens Homes LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	.. 100.000	TIAA Board of Governors .....	.....	.....
.....			83-1230714 ..	5593262 .....	.....	.....	MPSP Mobile Gardens MHC LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	.. 100.000	TIAA Board of Governors .....	.....	.....
.....			84-2379528 ..	5492646 .....	.....	.....	MPSP Parker Homes LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	.. 100.000	TIAA Board of Governors .....	.....	.....
.....			84-2389423 ..	5493269 .....	.....	.....	MPSP Parker Lender LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	.. 100.000	TIAA Board of Governors .....	.....	.....
.....			84-2247177 ..	5493250 .....	.....	.....	MPSP Parker MHC LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	.. 100.000	TIAA Board of Governors .....	.....	.....
.....			84-2277774 ..	5493223 .....	.....	.....	MPSP Seven Oaks Homes LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	.. 100.000	TIAA Board of Governors .....	.....	.....
.....			84-2290439 ..	5493241 .....	.....	.....	MPSP Seven Oaks Lender LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	.. 100.000	TIAA Board of Governors .....	.....	.....
.....			84-2198856 ..	5493205 .....	.....	.....	MPSP Seven Oaks MHC LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	.. 100.000	TIAA Board of Governors .....	.....	.....
.....			83-2700633 ..	5593253 .....	.....	.....	MPSP Shiloh Homes LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	.. 100.000	TIAA Board of Governors .....	.....	.....
.....			83-2725391 ..	5593235 .....	.....	.....	MPSP Shiloh Lender LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	.. 100.000	TIAA Board of Governors .....	.....	.....
.....			83-2700544 ..	5595529 .....	.....	.....	MPSP Shiloh MHC LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	.. 100.000	TIAA Board of Governors .....	.....	.....
.....			84-2428644 ..	5493214 .....	.....	.....	MPSP South Concho Homes LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	.. 100.000	TIAA Board of Governors .....	.....	.....
.....			84-2436652 ..	5493184 .....	.....	.....	MPSP South Concho Lender LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	.. 100.000	TIAA Board of Governors .....	.....	.....
.....			84-2261982 ..	5493193 .....	.....	.....	MPSP South Concho MHC LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	.. 100.000	TIAA Board of Governors .....	.....	.....
.....			83-2736822 ..	5595547 .....	.....	.....	MPSP Stonegate Homes LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	.. 100.000	TIAA Board of Governors .....	.....	.....
.....			83-2736936 ..	5595538 .....	.....	.....	MPSP Stonegate Lender LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	.. 100.000	TIAA Board of Governors .....	.....	.....
.....			83-2725560 ..	5595510 .....	.....	.....	MPSP Stonegate MHC LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	.. 100.000	TIAA Board of Governors .....	.....	.....
.....			84-2319873 ..	5493296 .....	.....	.....	MPSP TC GH Homes LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	.. 100.000	TIAA Board of Governors .....	.....	.....
.....			84-2331064 ..	5493317 .....	.....	.....	MPSP TC GH Lender LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	.. 100.000	TIAA Board of Governors .....	.....	.....
.....			84-2216156 ..	5493278 .....	.....	.....	MPSP TC GH MHC LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	.. 100.000	TIAA Board of Governors .....	.....	.....
.....			84-2389479 ..	5493287 .....	.....	.....	MPSP TC Sherman Homes LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	.. 100.000	TIAA Board of Governors .....	.....	.....
.....			84-2428588 ..	5493027 .....	.....	.....	MPSP TC Sherman Lender LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	.. 100.000	TIAA Board of Governors .....	.....	.....
.....			84-2247220 ..	5493009			MPSP TC Sherman MHC LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	.. 100.000	TIAA Board of Governors		

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

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.....			84-2345969 ..	5492655			MPSP Wildwood Acres Homes LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Governors		
.....			84-2361787 ..	5492664 .....	.....	.....	MPSP Wildwood Acres Lender LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			84-2239609 ..	5492600 .....	.....	.....	MPSP Wildwood Acres MHC LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			84-2361842 ..	5492619 .....	.....	.....	MPSP Wildwood Village Homes LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			84-2379481 ..	5492589 .....	.....	.....	MPSP Wildwood Village Lender LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			84-2239646 ..	5492598 .....	.....	.....	MPSP Wildwood Village MHC LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			83-2848324 ..	.....	.....	.....	MPSP Windsong Homes LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			83-2848439 ..	.....	.....	.....	MPSP Windsong Lender LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			83-2861026 ..	.....	.....	.....	MPSP Windsong MHC LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			86-1741788 ..	5606005 .....	.....	.....	TGA SS Self Storage Portfolio Investor Member LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			87-2470916 ..	5652730 .....	.....	.....	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 .....	.....	.....
.....							Newmarket HCG LP	.. DE.....	 NIA.....	TGA SS Self Storage Tranche I Venture LP ..	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			83-1608525 ..	5760596 .....	.....	.....	Seminole Storage Units I LP	.. DE.....	 NIA.....	TGA SS Self Storage Tranche I Venture LP ..	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5742480 .....	.....	.....	TGA T1 SC Durbin Park LP	.. DE.....	 NIA.....	TGA SS Self Storage Tranche I Venture LP ..	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5742462 .....	.....	.....	TGA T1 SC Millenia LP	.. DE.....	 NIA.....	TGA SS Self Storage Tranche I Venture LP ..	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5742471 .....	.....	.....	TGA T1 SC San Marco LP	.. DE.....	 NIA.....	TGA SS Self Storage Tranche I Venture LP ..	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			86-1714431 ..	5606032 .....	.....	.....	TGA SS Self Storage Portfolio Venture LP	.. DE.....	 NIA.....	Member LLC	Ownership.....	96.000	TIAA Board of Governors .....	.....	.....
.....			86-1623164 ..	5608166 .....	.....	.....	TGA SC Bonita Springs LP	.. DE.....	 NIA.....	TGA SS Self Storage Portfolio Venture LP ..	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			86-1624012 ..	5608157 .....	.....	.....	TGA SC Columbus Ford LP	.. DE.....	 NIA.....	TGA SS Self Storage Portfolio Venture LP ..	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			86-1623724 ..	5608175 .....	.....	.....	TGA SC Columbus Veterans LP	.. DE.....	 NIA.....	TGA SS Self Storage Portfolio Venture LP ..	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			86-1639097 ..	5608205 .....	.....	.....	TGA SC Erie Avenue LP	.. DE.....	 NIA.....	TGA SS Self Storage Portfolio Venture LP ..	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			86-1623454 ..	5608193 .....	.....	.....	TGA SC Gainesville LP	.. DE.....	 NIA.....	TGA SS Self Storage Portfolio Venture LP ..	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			86-1639333 ..	5608184 .....	.....	.....	TGA SC Germantown LP	.. DE.....	 NIA.....	TGA SS Self Storage Portfolio Venture LP ..	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			86-1676901 ..	5608287 .....	.....	.....	TGA SC Glenn Heights LP	.. DE.....	 NIA.....	TGA SS Self Storage Portfolio Venture LP ..	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			86-1638763 ..	5608278 .....	.....	.....	TGA SC Global Indy I LP	.. DE.....	 NIA.....	TGA SS Self Storage Portfolio Venture LP ..	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			86-1677082 ..	5608250 .....	.....	.....	TGA SC Houston LP	.. DE.....	 NIA.....	TGA SS Self Storage Portfolio Venture LP ..	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			86-1638905 ..	5608241 .....	.....	.....	TGA SC Indianapolis 29th Street LP	.. DE.....	 NIA.....	TGA SS Self Storage Portfolio Venture LP ..	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			86-1639231 ..	5608232 .....	.....	.....	TGA SC Kensington LP	.. DE.....	 NIA.....	TGA SS Self Storage Portfolio Venture LP ..	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			86-1676331 ..	5608223 .....	.....	.....	TGA SC Lancaster LP	.. DE.....	 NIA.....	TGA SS Self Storage Portfolio Venture LP ..	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			84-3255382 ..	5482665 .....	.....	.....	TGA Sterling DC LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			87-1763260 ..	5620485 .....	.....	.....	TGA TCA Durham Logistics Center Investor Member LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....							TGA TCA Durham Logistics Center LLC	.. DE.....	 NIA.....	Member LLC	Ownership.....	90.000	TIAA Board of Governors .....	.....	.....
.....			85-3509669 ..	5601402			TGA The Apartments at Blakeney LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors		

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

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.....			84-3093962 ..	5497614			TGA The Warehouse At CH Investor Member LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors		
.....			84-3055701 ..	5582239 .....	.....	.....	TGAP The Warehouse At CH LLC	.. DE.....	NIA.....	TGA The Warehouse At CH Investor Member LLC	Ownership.....	..98.500	TIAA Board of Governors .....	.....	..... .....
.....			84-3055465 ..	5586273 .....	.....	.....	TGAP The Warehouse At CH Owner LLC	.. DE.....	NIA.....	TGAP The Warehouse At CH LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			86-1749539 ..	5609891 .....	.....	.....	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 .....	.....	..... .....
.....			86-1548653 ..	5727544 .....	.....	.....	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 .....	.....	..... .....
.....			86-1548790 ..	5727571 .....	.....	.....	TGAP The Warehouse at CH II Owner LLC	.. DE.....	NIA.....	TGAP The Warehouse at CH II LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			88-1150650 ..	5721430 .....	.....	.....	TGA TMO IN Portfolio Investor Member LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			84-3759437 ..	5482601 .....	.....	.....	TGA Tri-State Commerce Center LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			85-3917654 ..	5592685 .....	.....	.....	TGA Twelve100 Apartments LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			87-3992892 ..	5692213 .....	.....	.....	TGA UMH Properties Investor Member LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....				5789195 .....	.....	.....	TGA UMH Venture Tranche 1 LLC	.. DE.....	NIA.....	TGA UMH Properties Investor Member LLC	Ownership.....	..60.000	TIAA Board of Governors .....	.....	..... .....
.....							Sebring Square MHC TGA, LLC	.. DE.....	NIA.....	TGA UMH Venture Tranche 1 LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			87-4552535 ..	5704198 .....	.....	.....	TGA University Trails Investor Member LLC ...	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			87-4257683 ..	5704415 .....	.....	.....	TGAP University Trails LLC	.. DE.....	NIA.....	TGA University Trails Investor Member LLC	Ownership.....	..97.000	TIAA Board of Governors .....	.....	..... .....
.....			87-4257544 ..	5704424 .....	.....	.....	TGAP University Trails Owner LLC	.. DE.....	NIA.....	TGAP University Trails LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			84-3830895 ..	5514098 .....	.....	.....	TGA Van Dorens West LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			84-3441798 ..	5514100 .....	.....	.....	TGA Vista Point South LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			84-3527380 ..	5515273 .....	.....	.....	TGA Washington DC CC LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			84-2939589 ..	5482571 .....	.....	.....	TGA Westport Distribution Center LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			83-0723201 ..	5375114 .....	.....	.....	TGA Yorktown Apartments LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			92-1392352 ..	5810709 .....	.....	.....	TGANX MOB Aurora LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			92-1383692 ..	5810718 .....	.....	.....	TGANX MOB Wheat Ridge LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			81-1994278 ..	5018626 .....	.....	.....	TGAM Agribusiness Fund LP	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..99.700	TIAA Board of Governors .....	.....	..... .....
.....			87-3750360 ..	5690460 .....	.....	.....	TGAMJC MHC LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			87-3750130 ..	5690497 .....	.....	.....	TGA-MJC Palladian LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			87-3750414 ..	5687938 .....	.....	.....	TGAMJC Van Alen LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			82-2826183 ..	5692679 .....	.....	.....	TIAA Administrative Services LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....				4900500 .....	.....	.....	TIAA CLO I Ltd	..CYM.....	NIA.....	Teachers Insurance and Annuity Association of America	Management.....	..... .....	TIAA Board of Governors .....	.....	..... .....
.....				5049965 .....	.....	.....	TIAA CLO I LLC	.. DE.....	NIA.....	TIAA CLO I Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....
.....			84-1905731 ..	.....	.....	.....	TIAA CLO I Holding, LLC	.. DE.....	NIA.....	TIAA CLO I Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	..... .....

STATEMENT AS OF JUNE 30, 2023 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? (Yes/No)	*
.....				5652749 .....	.....	.....	TIAA CLO II Ltd	..CYM.....	..NIA.....	Teachers Insurance and Annuity Association of America	Management.....	.....	TIAA Board of Governors .....	.....	.....
.....				5652842 .....	.....	.....	TIAA CLO II LLC	..DE.....	..NIA.....	TIAA CLO II Ltd	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....							TIAA CLO II Holding, LLC	..DE.....	..NIA.....	TIAA CLO II Ltd	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5157860 .....	.....	.....	TIAA CLO III Ltd.	..CYM.....	..NIA.....	Teachers Insurance and Annuity Association of America	Management.....	.....	TIAA Board of Governors .....	.....	.....
.....				5354780 .....	.....	.....	TIAA CLO III LLC	..DE.....	..NIA.....	TIAA CLO III Ltd.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....							TIAA CLO IV Ltd.	..CYM.....	..NIA.....	Teachers Insurance and Annuity Association of America	Management.....	.....	TIAA Board of Governors .....	.....	.....
.....			13-4173396 ..	4599203 .....	.....	.....	TIAA CMBS I, LLC	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			13-4173396 ..	4602774 .....	.....	.....	TIAA CMBS I Trust	..DE.....	..NIA.....	TIAA CMBS I, LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			47-4570655 ..	4900498 .....	.....	.....	TIAA Diversified Public Investments, LLC	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			90-0615674 ..	3838857	1502749 .....	.....	TIAA FSB Holdings, Inc.	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			37-1718179 ..	5279511 .....	.....	.....	Everbank Funding, LLC	..DE.....	..NIA.....	TIAA FSB Holdings, Inc.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			59-3531592 ..	2735146 .....	.....	.....	TIAA, FSB	..US.....	..NIA.....	TIAA FSB Holdings, Inc.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			59-3547521 ..	4318057 .....	.....	.....	AMC Holding, Inc.	..FL.....	..NIA.....	TIAA, FSB	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			43-1823879 ..	4318066 .....	.....	.....	Customerone Financial Network, Inc.	..DE.....	..NIA.....	AMC Holding, Inc.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			36-1208070 ..	4460817 .....	.....	.....	Business Property Lending, Inc.	..DE.....	..NIA.....	TIAA, FSB	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			20-0716627 ..	4318226 .....	.....	.....	TIAA Commercial Finance, Inc.	..DE.....	..NIA.....	TIAA, FSB	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			81-1241294 ..	4979391 .....	.....	.....	TIAA GBS Holding LLC	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5003789 .....	.....	.....	TIAA GBS Singapore Holding Company Pte. Ltd.	..SGP.....	..NIA.....	TIAA GBS Holding LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....				5006838 .....	.....	.....	TIAA Global Business Services (India) Private Limited	..IND.....	..NIA.....	TIAA GBS Singapore Holding Company Pte. Ltd.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			27-5551198 ..	4599267 .....	.....	.....	TIAA Global Ag Holdco LLC	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			45-5044364 ..	4627124 .....	.....	.....	Global Agriculture AIV (US), LLC	..DE.....	..NIA.....	TIAA Global Ag Holdco LLC	Ownership.....	98.100	TIAA Board of Governors .....	.....	.....
.....			45-1531685 ..	4643580 .....	.....	.....	Global Ag Properties USA LLC	..DE.....	..NIA.....	Global Agriculture AIV (US), LLC	Management.....	.....	TIAA Board of Governors .....	.....	.....
.....			80-0843991 ..	4644877 .....	.....	.....	Loma del Rio Vineyards, LLC	..DE.....	..NIA.....	Global Ag Properties USA LLC	Ownership.....	55.000	TIAA Board of Governors .....	.....	1500
.....			46-2577906 ..	4643973 .....	.....	.....	Sugarloaf Vineyard, LLC	..DE.....	..NIA.....	Global Ag Properties USA LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			47-1083514 ..	4753582 .....	.....	.....	Global Agriculture II AIV (US) LLC	..DE.....	..NIA.....	TIAA Global Ag Holdco LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			47-1069783 ..	4755438 .....	.....	.....	Global Ag Properties II USA LLC	..DE.....	..NIA.....	Global Agriculture II AIV (US) LLC	Ownership.....	50.000	TIAA Board of Governors .....	.....	.....
.....			27-5551341 ..	4639994 .....	.....	.....	TIAA-CREF Global Agriculture LLC	..DE.....	..NIA.....	TIAA Global Ag Holdco LLC	Management.....	.....	TIAA Board of Governors .....	.....	.....
.....			4643357 .....	.....	.....	.....	Global AG Properties Australia Pty, Ltd	..AUS.....	..NIA.....	TIAA-CREF Global Agriculture LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			4643571 .....	.....	.....	.....	Global AG Properties Australia Trust	..AUS.....	..NIA.....	TIAA-CREF Global Agriculture LLC	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			4643094 .....	.....	.....	.....	Nova Gaia Brasil Participaco Ltda.	..BRA.....	..NIA.....	TIAA-CREF Global Agriculture LLC	Ownership.....	99.990	TIAA Board of Governors .....	.....	3600
.....			4644493 .....	.....	.....	.....	Tellus Brasil Participaco S.A.	..BRA.....	..NIA.....	Nova Gaia Brasil Participaco Ltda.	Management.....	.....	TIAA Board of Governors .....	.....	3700
.....			4644484 .....	.....	.....	.....	Terraviva Brasil Participaco Ltda.	..BRA.....	..NIA.....	Nova Gaia Brasil Participaco Ltda.	Ownership.....	99.990	TIAA Board of Governors .....	.....	3800
.....			4644493 .....	.....	.....	.....	Tellus Brasil Participaco S.A.	..BRA.....	..NIA.....	Terraviva Brasil Participaco Ltda.	Management.....	.....	TIAA Board of Governors .....	.....	3700
.....			4863490 .....	.....	.....	.....	Agrobio Investimentos e Participações S.A. .	..BRA.....	..NIA.....	Tellus Brasil Participaco S.A.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			4646321 .....	.....	.....	.....	Cerpon Participações S.A.	..BRA.....	..NIA.....	Tellus Brasil Participaco S.A.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			4725758 .....	.....	.....	.....	Nova Ibiajara Propriedades Agrícolas S.A. ...	..BRA.....	..NIA.....	Tellus Brasil Participaco S.A.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			4653954 .....	.....	.....	.....	Tellus Bahia Propriedades Agrícolas Ltda. ...	..BRA.....	..NIA.....	Tellus Brasil Participaco S.A.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			4644505 .....	.....	.....	.....	Terra do Sol Propriedades Agrícolas S.A.	..BRA.....	..NIA.....	Tellus Brasil Participaco S.A.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			4644514 .....	.....	.....	.....	Terrainvest Propriedades Agrícolas S.A.	..BRA.....	..NIA.....	Tellus Brasil Participaco S.A.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....
.....			4646282 .....	.....	.....	.....	Tparone Participações S.A.	..BRA.....	..NIA.....	Tellus Brasil Participaco S.A.	Ownership.....	100.000	TIAA Board of Governors .....	.....	.....

STATEMENT AS OF JUNE 30, 2023 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? (Yes/No)	*
				4646303			Toperone Agrícola S.A.	.BRA.....	NIA.....	Tparone Participações S.A.	Ownership.....	100.000 ...	TIAA Board of Governors		
				4646291			Tpartwo Participações S.A.	.BRA.....	NIA.....	Tellus Brasil Participaco S.A.	Ownership.....	100.000 ...	TIAA Board of Governors		
				4646312			Topertwo Agrícola S.A.	.BRA.....	NIA.....	Tpartwo Participações S.A.	Ownership.....	100.000 ...	TIAA Board of Governors		
			45-1502187	4640011			TIAA-CREF Global Agriculture BR, LLC	..DE.....	NIA.....	TIAA-CREF Global Agriculture LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
				4643094			Nova Gaia Brasil Participaco Ltda.	.BRA.....	NIA.....	TIAA-CREF Global Agriculture BR, LLC	Ownership.....	0.010 ...	TIAA Board of Governors		3600
				4644484			Terraviva Brasil Participaco Ltda.	.BRA.....	NIA.....	TIAA-CREF Global Agriculture BR, LLC	Ownership.....	0.010 ...	TIAA Board of Governors		3800
			47-0974399	4753591	1616610		TIAA-CREF Global Agriculture II LLC	..DE.....	NIA.....	TIAA Global Ag Holdco LLC	Management.....		TIAA Board of Governors		
			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		
			26-3594208	4863502			TIAA Global Public Investments, LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			46-3881813	4599892			TIAA GTR HoldCo, LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			46-3210500	4724023			Global Timber Resources LLC	..DE.....	NIA.....	TIAA GTR HoldCo, LLC	Ownership.....	50.000 ...	TIAA Board of Governors		
			46-3909387	4868431			Global Timber SA LLC	..DE.....	NIA.....	Global Timber Resources LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
				4868440			Forestal GTR Chile Limitada	..CHL.....	NIA.....	Global Timber SA LLC	Ownership.....	99.900 ...	TIAA Board of Governors		
			46-3899490	4801906			Global Timber International LLC	..DE.....	NIA.....	Global Timber Resources LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
				4802789			Global Timber Spain, SL	..ESP.....	NIA.....	Global Timber International LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			98-1206384	4803151			Forestal Monterrey Colombia SAS	..COL.....	NIA.....	Global Timber Spain, SL	Ownership.....	100.000 ...	TIAA Board of Governors		
				5165454			Global Timber Resources Colombia, S.A.S.	..COL.....	NIA.....	Global Timber Spain, SL	Ownership.....	100.000 ...	TIAA Board of Governors		
				5183458			Monte Fresno Asociacion Agraria de Responsabilidad LTDA	..URY.....	NIA.....	Global Timber Spain, SL	Ownership.....	100.000 ...	TIAA Board of Governors		
				5183421			Monte Fresno, S.A.	..URY.....	NIA.....	Global Timber Spain, SL	Ownership.....	100.000 ...	TIAA Board of Governors		
				5183430			Taurion Asociacion Agraria de Responsabilidad LTDA	..URY.....	NIA.....	Global Timber Spain, SL	Ownership.....	100.000 ...	TIAA Board of Governors		
				5183449			Taurion, S.A.	..URY.....	NIA.....	Global Timber Spain, SL	Ownership.....	100.000 ...	TIAA Board of Governors		
				4866905			GT Europe Cooperatief U.A.	..NLD.....	NIA.....	Global Timber International LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			4900425				Global Timber NL, B.V.	..NLD.....	NIA.....	GT Europe Cooperatief U.A.	Ownership.....	100.000 ...	TIAA Board of Governors		
			4901543				GTR Brasil Participacoes Ltda	..BRA.....	NIA.....	Global Timber NL, B.V.	Ownership.....	100.000 ...	TIAA Board of Governors		
			4902380				Brasilwood Reflorestamento S.A.	..BRA.....	NIA.....	GTR Brasil Participacoes Ltda	Ownership.....	75.000 ...	TIAA Board of Governors		
				5484995			Brasilwood Terras Florestais S.A.	..BRA.....	NIA.....	GTR Brasil Participacoes Ltda	Ownership.....	97.000 ...	TIAA Board of Governors		
				5198809			Jatoba Brasil Investimentos Florestais Ltda	..BRA.....	NIA.....	GTR Brasil Participacoes Ltda	Ownership.....	100.000 ...	TIAA Board of Governors		
				5481891			Mamoneira Agropastoril S.A.	..BRA.....	NIA.....	GTR Brasil Participacoes Ltda	Influence.....		TIAA Board of Governors		
				5481903			Mogno das Alterosas Investimentos Florestais S.A.	..BRA.....	NIA.....	GTR Brasil Participacoes Ltda	Influence.....		TIAA Board of Governors		
				5198818			Paineira Investimentos Florestais S.A.	..BRA.....	NIA.....	GTR Brasil Participacoes Ltda	Ownership.....	97.000 ...	TIAA Board of Governors		
			45-3479281	4599306			TIAA Infrastructure Investments, LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			87-3292924	5606032			730 Darwin Holdings LLC	..DE.....	NIA.....	TIAA Infrastructure Investments, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
				5683266			Glennmont Clean Energy Fund IV A SCSP	..LUX.....	NIA.....	730 Darwin Holdings LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			81-5307354	5153983			730 Parking LLC	..DE.....	NIA.....	TIAA Infrastructure Investments, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			81-5302296	5157879			730 Interpark, LLC	..DE.....	NIA.....	730 Parking LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
				4936107			A-30 Canadian Transport Inc.	..CAN.....	NIA.....	TIAA Infrastructure Investments, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
				4887571			1867 Infrastructure Holdings Inc.	..CAN.....	NIA.....	A-30 Canadian Transport Inc.	Ownership.....	51.000 ...	TIAA Board of Governors		
				4946843			Holding 1867 NA30 Inc.	..CAN.....	NIA.....	1867 Infrastructure Holdings Inc.	Ownership.....	100.000 ...	TIAA Board of Governors		
			38-3857916	4602813			I 595 Toll Road, LLC	..DE.....	NIA.....	TIAA Infrastructure Investments, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			46-5279686	4810775			North American Sustainable Energy Fund, L.P.	..DE.....	NIA.....	TIAA Infrastructure Investments, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
				4946852			Energy Power Investment Company, LLC	..DE.....	NIA.....	North American Sustainable Energy Fund, L.P.	Ownership.....	90.500 ...	TIAA Board of Governors		
				4947318			EPP Renewable Energy, LLC	..DE.....	NIA.....	Energy Power Investment Company, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		

STATEMENT AS OF JUNE 30, 2023 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? (Yes/No)	*
.....				4810597 .....	.....	.....	North American Sustainable Energy GP, LLC ...	..DE.....	NIA.....	TIAA Infrastructure Investments, LLC	Ownership.....	..99.900	TIAA Board of Governors .....	.....	.....
.....				4810551 .....	.....	.....	North American Sustainable Energy Manager, LLC	..DE.....	NIA.....	TIAA Infrastructure Investments, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			88-4376843 ..	5810295 .....	.....	.....	TIAA NBS, LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			45-2665869 ..	4601115 .....	.....	.....	TIAA Oil and Gas Investments, LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			45-1286237 ..	4602877 .....	.....	.....	Actgas, LLC	..DE.....	NIA.....	TIAA Oil and Gas Investments, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			46-3410649 ..	4602925 .....	.....	.....	Actoil Bakken, LLC	..DE.....	NIA.....	TIAA Oil and Gas Investments, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			46-3628993 ..	4602934 .....	.....	.....	Actoil Utica, LLC	..DE.....	NIA.....	TIAA Oil and Gas Investments, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			11-3519531 ..	4601133 .....	.....	.....	TIAA Realty, LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			81-0902394 ..	4949125 .....	.....	.....	T-C 77 Central LLC	..DE.....	NIA.....	TIAA Realty, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			47-2249307 ..	4763161 .....	.....	.....	T-C 680 Belleville LLC	..DE.....	NIA.....	TIAA Realty, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			46-2678242 ..	4611721 .....	.....	.....	T-C Port Northwest Development, LLC	..DE.....	NIA.....	TIAA Realty, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			81-3961919 ..	5047626 .....	.....	.....	TGA 70 Federal Street LLC	..DE.....	NIA.....	TIAA Realty, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			82-2885306 ..	5688542 .....	.....	.....	TIAA RFS, LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			82-2335773 ..	.....	.....	.....	TIAA Advisory, LLC	..DE.....	NIA.....	TIAA RFS, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			20-2904312 ..	4314479 .....	.....	.....	TIAA-CREF Insurance Agency, LLC	..DE.....	NIA.....	TIAA RFS, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			85-3343718 ..	5601390 .....	.....	.....	TIAA Shared Services, LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			81-2755014 ..	5011346 .....	.....	.....	TIAA SMA Strategies, LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			45-3029655 ..	4601197 .....	.....	.....	TIAA-Stonepeak Investments I, LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			45-3030923 ..	4601245 .....	.....	.....	TIAA-Stonepeak Investments II, LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			45-3164600 ..	4601348 .....	.....	.....	TIAA Super Regional Mall Member Sub, LLC ...	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			45-3164764 ..	4644055 .....	.....	.....	T-C Super Regional Mall Venture, LLC	..DE.....	NIA.....	TIAA Super Regional Mall Member Sub, LLC .	Ownership.....	..51.000	TIAA Board of Governors .....	.....	.....
.....			46-4623585 ..	4801821	1614181 .....	.....	T-C International Plaza REIT LLC	..DE.....	NIA.....	T-C Super Regional Mall Venture, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			46-4653326 ..	4801830 .....	.....	.....	T-C International Plaza Investor GP LLC	..DE.....	NIA.....	T-C International Plaza REIT LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			46-4680948 ..	4801849 .....	.....	.....	T-C International Plaza Investor LP LLC	..DE.....	NIA.....	T-C International Plaza REIT LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			38-3173536 ..	2884259 .....	.....	.....	Tampa Westshore Associates Limited Partnership	..DE.....	NIA.....	T-C International Plaza Investor LP LLC ..	Influence.....	..... .....	TIAA Board of Governors .....	.....	.....
.....			46-2713521 ..	4604116	1595474 .....	.....	T-C Las Vegas Retail REIT LLC	..DE.....	NIA.....	T-C Super Regional Mall Venture, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			46-2726147 ..	4612979 .....	.....	.....	T-C Las Vegas Retail Investor LLC	..DE.....	NIA.....	T-C Las Vegas Retail REIT LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			4615617	4615617 .....	.....	.....	Grand Canal Shoppes Holdings, LLC	..DE.....	NIA.....	T-C Las Vegas Retail Investor LLC	Influence.....	..... .....	TIAA Board of Governors .....	.....	.....
.....			45-3165203 ..	4644064	1544129 .....	.....	T-C Midwest REIT, LLC	..DE.....	NIA.....	T-C Super Regional Mall Venture, LLC	Ownership.....	..99.800	TIAA Board of Governors .....	.....	.....
.....			45-2211957 ..	4644073 .....	.....	.....	T-C Midwest Retail, LLC	..DE.....	NIA.....	T-C Midwest REIT, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4644288 .....	.....	.....	CBL/T-C, LLC	..DE.....	NIA.....	T-C Midwest Retail, LLC	Ownership.....	..50.000	TIAA Board of Governors .....	.....	.....
.....			45-3164998 ..	4644082	1544127 .....	.....	T-C Montgomery Mall REIT, LLC	..DE.....	NIA.....	T-C Super Regional Mall Venture, LLC	Ownership.....	..99.800	TIAA Board of Governors .....	.....	.....
.....			27-4117159 ..	4644091 .....	.....	.....	T-C Montgomery Mall, LLC	..DE.....	NIA.....	T-C Montgomery Mall REIT, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			95-4658637 ..	4644886 .....	.....	.....	Montgomery Mall of Maryland, LLC	..MD.....	NIA.....	T-C Montgomery Mall, LLC	Ownership.....	..50.000	TIAA Board of Governors .....	.....	.....
.....			45-1286386 ..	4601526 .....	.....	.....	TIAA SynGas, LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			13-1624203 ..	4741758 .....	.....	.....	730 Catsolar, LLC	..DE.....	NIA.....	TIAA SynGas, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			93-1503568 ..				TIAA Trust, National Association	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors		

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

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			20-8892977 ..	4599810			TIAA Union Place Phase I, LLC	.. DE	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	.. 100.000	TIAA Board of Governors		
			20-8281443 ..	4640066			Union Place Phase I, LLC	.. DE	 NIA.....	TIAA Union Place Phase I, LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			88-3094952 ..				TIAA Ventures LLC	.. DE	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	.. 100.000	TIAA Board of Governors		
			45-4486211 ..	4602886			TIAA Wind Investments, LLC	.. DE	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	.. 100.000	TIAA Board of Governors		
			45-3743502 ..	4626136			Capistrano Wind Partners, LLC	.. DE	 NIA.....	TIAA Wind Investments, LLC	Influence.....		TIAA Board of Governors		
			55-0856733 ..	4314349	882928		TIAA-CREF Individual & Institutional Services, LLC	.. DE	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	.. 100.000	TIAA Board of Governors		
			20-8384004 ..	4599490			TIAA-CREF LPHC, LLC	.. DE	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	.. 100.000	TIAA Board of Governors		
			46-1191235 ..	5018671	1611288		TIAA-CREF Real Property Fund GP, LLC	.. DE	 NIA.....	TIAA-CREF LPHC, LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			20-5591124 ..	4314273			TIAA-CREF Redwood, LLC	.. DE	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	.. 100.000	TIAA Board of Governors		
			20-5631854 ..	4314282			TIAA Kapsick, LLC	.. DE	 NIA.....	TIAA-CREF Redwood, LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			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		
				4844163			UK PPP Investments, LP	.. GBR	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	.. 100.000	TIAA Board of Governors		
				4848590			Wigg (Holdings) Limited	.. GBR	 NIA.....	UK PPP Investments, LP	Ownership.....	.. 100.000	TIAA Board of Governors		
				4848983			Wigg Investments Limited	.. GBR	 NIA.....	Wigg (Holdings) Limited	Ownership.....	.. 100.000	TIAA Board of Governors		
				4849739			Merseylink (Holdings) Limited	.. GBR	 NIA.....	Wigg Investments Limited	Influence.....		TIAA Board of Governors		
				4852298			Merseylink (Finance) Limited	.. GBR	 NIA.....	Merseylink (Holdings) Limited	Ownership.....	.. 100.000	TIAA Board of Governors		
				4860239			Merseylink Limited	.. GBR	 NIA.....	Merseylink (Finance) Limited	Ownership.....	.. 100.000	TIAA Board of Governors		
				4858638			Merseylink (Issuer) plc	.. GBR	 NIA.....	Merseylink (Finance) Limited	Ownership.....	.. 100.000	TIAA Board of Governors		
			87-1101091 ..	5616040			Union Property Operations NRE III LLC	.. DE	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	.. 100.000	TIAA Board of Governors		
			36-4932527 ..	5514614			U.S. Cities Industrial Fund LP	.. DE	 NIA.....	Teachers Insurance and Annuity Association of America	Management.....		TIAA Board of Governors		
			30-1108455 ..	5115507			U.S. Cities Multifamily Fund LP	.. DE	 NIA.....	Teachers Insurance and Annuity Association of America	Management.....		TIAA Board of Governors		
			82-3970010 ..	5671991			U.S. Cities Retail Fund LP	.. DE	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	.. 100.000	TIAA Board of Governors		
			82-4016503 ..	5671982			U.S. Cities Retail Fund REIT LLC	.. DE	 NIA.....	U.S. Cities Retail Fund LP	Ownership.....	.. 100.000	TIAA Board of Governors		
			82-4069923 ..	5671973			U.S. Cities Retail Fund Operating GP LLC	.. DE	 NIA.....	U.S. Cities Retail Fund REIT LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			82-4037905 ..	5671058			U.S. Cities Retail Fund Operating LP	.. DE	 NIA.....	U.S. Cities Retail Fund REIT LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			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		
							USCRF KRG JV Investor Member LLC	.. DE	 NIA.....	U.S. Cities Retail Fund Operating LP	Ownership.....	.. 100.000	TIAA Board of Governors		
			37-1904986 ..				KRG USCRF Retail Portfolio LLC	.. DE	 NIA.....	USCRF KRG JV Investor Member LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
							KRG 951 & 41, LLC	.. DE	 NIA.....	KRG USCRF Retail Portfolio LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
							KRG Livingston Center, LLC	.. DE	 NIA.....	KRG USCRF Retail Portfolio LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
							KRG-USCRF Plaza Volente, LLC	.. DE	 NIA.....	KRG USCRF Retail Portfolio LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			38-4104483 ..	5115516			U.S. Cities Workplace Fund LP	.. DE	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	.. 70.290	TIAA Board of Governors		
			61-1914684 ..	5115945			U.S. Cities Office Fund REIT LLC	.. DE	 NIA.....	U.S. Cities Workplace Fund LP	Ownership.....	.. 100.000	TIAA Board of Governors		
				5116595			U.S. Cities Workplace Fund Operating GP LLC	.. DE	 NIA.....	U.S. Cities Office Fund REIT LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			36-4919858 ..	5116791			U.S. Cities Workplace Fund Operating LP	.. DE	 NIA.....	U.S. Cities Office Fund REIT LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			87-4526709 ..	5704442			USCOF 5500 Jefferson LLC	.. DE	 NIA.....	U.S. Cities Workplace Fund Operating LP	Ownership.....	.. 100.000	TIAA Board of Governors		
			84-4773752 ..	5515219			USCOF Maryland Farms Holdings LLC	.. DE	 NIA.....	U.S. Cities Workplace Fund Operating LP	Ownership.....	.. 100.000	TIAA Board of Governors		

STATEMENT AS OF JUNE 30, 2023 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? (Yes/No)	*
.....			84-4775239 ..	5538834 .....	.....	.....	U.S. Cities Office Fund Maryland Farms Co-Invest	.. DE.....	NIA.....	USCOF Maryland Farms Holdings LLC	Ownership.....	..51.000	TIAA Board of Governors .....	.....	.. 3500
.....			84-4775394 ..	5585119 .....	.....	.....	VRE-NRE Maryland Farms Venture	.. DE.....	NIA.....	U.S. Cities Office Fund Maryland Farms Co-Invest	Ownership.....	..97.000	TIAA Board of Governors .....	.....	.....
.....			87-1365205 ..	5700574 .....	.....	.....	USCOF Mobius Operating Member LLC	.. DE.....	NIA.....	U.S. Cities Workplace Fund Operating LP ...	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			85-3371600 ..	5613272 .....	.....	.....	USCOF Optical Court LLC	.. DE.....	NIA.....	U.S. Cities Workplace Fund Operating LP ...	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			82-3988257 ..	5612417 .....	.....	.....	U.S. Core-Plus Real Estate Debt Fund LP	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Management.....	.....	TIAA Board of Governors .....	.....	.....
.....			82-3760575 ..	5612435 .....	.....	.....	CRED REIT LLC	.. DE.....	NIA.....	U.S. Core-Plus Real Estate Debt Fund LP ...	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			47-1938723 ..	5612444 .....	.....	.....	CRED REIT Holdco LLC	.. DE.....	NIA.....	CRED REIT LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			84-2113010 ..	5619274 .....	.....	.....	CRED Glenhardie LLC	.. DE.....	NIA.....	CRED REIT Holdco LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			85-1296109 ..	5618437 .....	.....	.....	CRED HO LLC	.. DE.....	NIA.....	CRED REIT Holdco LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			86-3290456 ..	5612471 .....	.....	.....	CRED REIT Holdco Alta LLC	.. DE.....	NIA.....	CRED REIT Holdco LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			87-1440716 ..	5617793 .....	.....	.....	CRED REIT Holdco Hacienda LLC	.. DE.....	NIA.....	CRED REIT Holdco LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			87-0979505 ..	5616415 .....	.....	.....	CRED REIT Holdco Phoenix Industrial LLC	.. DE.....	NIA.....	CRED REIT Holdco LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			83-2024014 ..	5658424 .....	.....	.....	CRED REIT Holdco Seller LLC	.. DE.....	NIA.....	CRED REIT Holdco LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			81-1392434 ..	5658415 .....	.....	.....	CRED REIT Holdco TRS LLC	.. DE.....	NIA.....	CRED REIT Holdco LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			86-2266688 ..	5612453 .....	.....	.....	CRED REIT Holdco Velocity LLC	.. DE.....	NIA.....	CRED REIT Holdco LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			82-4800804 ..	5837845 .....	.....	.....	CRED REIT Manager LLC	.. DE.....	NIA.....	CRED REIT Holdco LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			82-5347019 ..	5837854 .....	.....	.....	CRED REIT Member LP	.. DE.....	NIA.....	CRED REIT Holdco LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			87-2932666 ..	5656774 .....	.....	.....	CRED SJA 555 Mangum LLC	.. DE.....	NIA.....	CRED REIT Holdco LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			88-1712199 ..	5730517 .....	.....	.....	CRED SJA Cornerstone LLC	.. DE.....	NIA.....	CRED REIT Holdco LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			88-3419951 ..	5837247 .....	.....	.....	CRED SJA Norcross LLC	.. DE.....	NIA.....	CRED REIT Holdco LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			88-1712389 ..	5730508 .....	.....	.....	CRED SJA Sonoma LLC	.. DE.....	NIA.....	CRED REIT Holdco LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			88-2696709 ..	5836512 .....	.....	.....	CRED SJA Vistas LLC	.. DE.....	NIA.....	CRED REIT Holdco LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			88-3419525 ..	5837238 .....	.....	.....	CRED SJA Woodland LLC	.. DE.....	NIA.....	CRED REIT Holdco LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			83-3184068 ..	5613302 .....	.....	.....	CRED Slabtown LLC	.. DE.....	NIA.....	CRED REIT Holdco LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			92-3659192 ..	.....	.....	.....	CRED Slabtown II LLC	.. DE.....	NIA.....	CRED REIT Holdco LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			83-4107560 ..	5613290 .....	.....	.....	CRED West Coast Industrial LLC	.. DE.....	NIA.....	CRED REIT Holdco LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			85-2116787 ..	5599723 .....	.....	.....	U.S. Strategic Industrial Fund II LP	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Management.....	.....	TIAA Board of Governors .....	.....	.....
.....			84-3440905 ..	5514128 .....	.....	.....	Western A Midwest TN, LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....							Whole Loan Ownership Depositor, LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			93-6444961 ..	.....	.....	.....	Whole Loan Ownership Trust	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			83-1931152 ..	5700659 .....	.....	.....	Winslow Growth Capital Fund II, L.P.	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			51-0141732 ..	4599829 .....	.....	.....	WRC Properties, LLC	.. DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....

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	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.
0300	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.
0400	Nuveen CP LLC is owned 79.2% by Nuveen CP Holdings 1 LLC and 0.8% by Nuveen CP Holdings 2 LLC.
0500	TGAM APAC LLC is ultimately controlled and owned entirely by TIAA, with TGAM Subsidiary HC LLC, TIAA International Subsidiary HC LLC and Nuveen International Holdings LLC each owning 33.33%

STATEMENT AS OF JUNE 30, 2023 OF THE TIAA-CREF LIFE INSURANCE COMPANY

Asterisk	Explanation
0600	TGAM HK HC LLC is ultimately controlled and owned entirely by TIAA, with TGAM APAC LLC, TGAM Asia LLC, TIAA International APAC LLC and TIAA International Asia LLC each owning 25%
0700	TGAM Asia LLC is ultimately controlled and owned entirely by TIAA, with TGAM Subsidiary HC LLC, TIAA International Subsidiary HC LLC and Nuveen International Holdings LLC each owning 33.33%
0800	TIAA International APAC LLC is ultimately controlled and owned entirely by TIAA, with TGAM Subsidiary HC LLC, TIAA International Subsidiary HC LLC and Nuveen International Holdings LLC each owning 33.33%
0900	TIAA International Asia LLC is ultimately controlled and owned entirely by TIAA, with TGAM Subsidiary HC LLC, TIAA International Subsidiary HC LLC and Nuveen International Holdings LLC each owning 33.33%
1000	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.
1100	Nuveen Investment Management Holdings Limited is ultimately controlled and owned entirely by TIAA, with 99% owned by TIAA International Holdings 3, Ltd. and 1% owned by TIAA International Holdings 1, Ltd.
1200	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.
1300	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%.
1400	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.
1500	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.
1600	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.
1700	Global Real Estate Debt Partners Fund I (UK) SCSp is controlled by TIAA, which owns 36.5%. T-C Lux Investments Special Limited Partnership, which is 100% owned by TIAA, owns 24.3%.
1800	Radar Propriedades Agricolas S.A. is owned 65.77% by Mansilla Participacoes LTDA and 15.31% by Radar II Propriedades Agricolas S.A..
1900	ND Properties LLC is ultimately controlled and owned entirely by TIAA, with 99% owned by TIAA and 1% owned by TGA Minority Interest Holdings LLC.
2000	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.
2100	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).
2200	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.
2300	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%).
2400	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%).
2500	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%).
2600	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%).
2700	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%).
2800	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%.
2900	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.
3000	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%).
3100	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%.
3200	Asia Pacific Cities Fund, FCP is owned 12.04% by TGA APAC Fund Holdings, LLC and 12.04% by TGA Real Estate Fund Holdings, LLC
3300	TGA European RE Holdings I, LLC is ultimately controlled and owned entirely by TIAA, with 99% owned by TIAA and 1% owned by TGA Minority Interest Holdings LLC.
3400	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 Kriean Dzwei GmbH, which owns 6%.
3500	U.S. Cities Office Fund Maryland Farms Co-Invest is controlled by TIAA, with 51% owned by USCOF Maryland Farms Holdings LLC and 49% owned by TGA Maryland Farms Holdings LLC.
3600	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.
3700	Tellus Brasil Participaco S.A. is owned 48.9% by Terraviva Brasil Participaco Ltda. and 0.47% by Nova Gaia Brasil Participaco Ltda.
3800	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, 2023 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. In the case of an ongoing statement of exemption, enter "SEE EXPLANATION" and provide as an explanation that the company is utilizing an ongoing statement of exemption.	SEE EXPLANATION

AUGUST FILING

9. Will the regulator-only (non-public) Communication of Internal Control Related Matters Noted in Audit be filed with the state of domicile and electronically with the NAIC (as a regulator-only non-public document) by August 1? 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
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Explanation:

1.

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

The company is utilizing an ongoing statement of exemption.

Bar Code:

2.

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

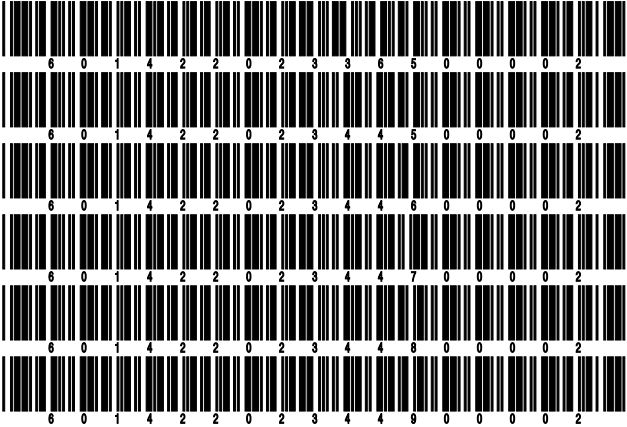
Reasonableness of Assumptions Certification required by Actuarial Guideline XXXV [Document Identifier 445]
4.

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

SCHEDULE B - VERIFICATION

Mortgage Loans

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

SCHEDULE BA - VERIFICATION

Other Long-Term Invested Assets

	1	2
	Year to Date	Prior Year Ended December 31
1. Book/adjusted carrying value, December 31 of prior year	4,621,049	4,644,705
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	804	1,527
5. Unrealized valuation increase (decrease)		
6. Total gain (loss) on disposals		
7. Deduct amounts received on disposals		
8. Deduct amortization of premium and depreciation	13,102	25,183
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)	4,608,752	4,621,049
12. Deduct total nonadmitted amounts		
13. Statement value at end of current period (Line 11 minus Line 12)	4,608,752	4,621,049

SCHEDULE D - VERIFICATION

Bonds and Stocks

	1	2
	Year to Date	Prior Year Ended December 31
1. Book/adjusted carrying value of bonds and stocks, December 31 of prior year	13,364,581,025	12,447,874,701
2. Cost of bonds and stocks acquired	691,681,978	3,062,512,155
3. Accrual of discount	6,653,867	9,274,981
4. Unrealized valuation increase (decrease)	32,918	(645,802)
5. Total gain (loss) on disposals	(14,990,280)	20,167,499
6. Deduct consideration for bonds and stocks disposed of	563,668,782	2,163,422,388
7. Deduct amortization of premium	3,871,701	8,920,508
8. Total foreign exchange change in book/adjusted carrying value		
9. Deduct current year's other than temporary impairment recognized	2,954,309	2,713,286
10. Total investment income recognized as a result of prepayment penalties and/or acceleration fees		453,673
11. Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5-6-7+8-9+10)	13,477,464,716	13,364,581,025
12. Deduct total nonadmitted amounts		
13. Statement value at end of current period (Line 11 minus Line 12)	13,477,464,716	13,364,581,025

STATEMENT AS OF JUNE 30, 2023 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)	8,531,803,199	3,137,255,657	3,155,280,694	98,458,559	8,531,803,199	8,612,236,721		8,503,110,746
2. NAIC 2 (a)	4,931,264,650	184,346,821	169,889,417	(99,278,721)	4,931,264,650	4,846,443,333		4,905,251,479
3. NAIC 3 (a)	32,766,436	13,280,473		132,570	32,766,436	46,179,479		32,645,486
4. NAIC 4 (a)	10,052,678			38,328	10,052,678	10,091,006		10,015,104
5. NAIC 5 (a)	142,276		21,490	4,074	142,276	124,860		150,897
6. NAIC 6 (a)								
7. Total Bonds	13,506,029,239	3,334,882,951	3,325,191,601	(645,190)	13,506,029,239	13,515,075,399		13,451,173,712
PREFERRED STOCK								
8. NAIC 1								
9. NAIC 2	8,400,000				8,400,000	8,400,000		8,400,000
10. NAIC 3								
11. NAIC 4								
12. NAIC 5								
13. NAIC 6	728,391			280,834	728,391	1,009,225		976,307
14. Total Preferred Stock	9,128,391			280,834	9,128,391	9,409,225		9,376,307
15. Total Bonds and Preferred Stock	13,515,157,630	3,334,882,951	3,325,191,601	(364,356)	13,515,157,630	13,524,484,624		13,460,550,019

(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 \$ 47,019,949 ; NAIC 2 \$; NAIC 3 \$; NAIC 4 \$; NAIC 5 \$; NAIC 6 \$.

SCHEDULE DA - PART 1

Short-Term Investments

	1	2	3	4	5
	Book/Adjusted Carrying Value	Prior Year Value	Actual Cost	Interest Collected Year-to-Date	Paid for Accrued Interest Year-to-Date
7709999999 Totals		XX			

NONE

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		96,343
2. Cost of short-term investments acquired	4,937,501	
3. Accrual of discount	10,307	
4. Unrealized valuation increase (decrease)		
5. Total gain (loss) on disposals	(375)	
6. Deduct consideration received on disposals	4,947,433	96,343
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)		
11. Deduct total nonadmitted amounts		
12. Statement value at end of current period (Line 10 minus Line 11)		

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	95,969,036	170,998,870
2. Cost of cash equivalents acquired	4,448,160,400	5,254,956,275
3. Accrual of discount	1,190,480	588,156
4. Unrealized valuation increase (decrease)		
5. Total gain (loss) on disposals	15,891	27,314
6. Deduct consideration received on disposals	4,498,315,858	5,330,592,813
7. Deduct amortization of premium		8,766
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)	47,019,949	95,969,036
11. Deduct total nonadmitted amounts		
12. Statement value at end of current period (Line 10 minus Line 11)	47,019,949	95,969,036

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, 2023 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-ES-9	GOVERNMENT NATIONAL MORTGAGE SERIES 2019-5 CLASS ZC 3.500% 11/20/48 .....	.....	.....06/01/2023	Interest Capitalization .....	.....	70,121	70,121	.....	1.A
0109999999. Subtotal - Bonds - U.S. Governments						70,121	70,121	.....	XXX
034863-BD-1	ANGLO AMERICAN CAPITAL SERIES 144A 5.500% 05/02/33	D.....	04/27/2023	GOLDMAN SACHS & COMPANY .....	.....	8,753,888	8,800,000	.....	2.A FE
0309999999. Subtotal - Bonds - All Other Governments						8,753,888	8,800,000	.....	XXX
20772K-TP-4	CONNECTICUT ST SERIES A 4.628% 05/15/32 .....	.....	.....06/21/2023	U.S. BANCORP LIBRA .....	.....	8,493,615	8,500,000	1,093	1.D FE
452151-LF-8	ILLINOIS ST State of Illinois 5.1 06/01/20 5.100% 06/01/33 .....	.....	.....06/29/2023	MORGAN STANLEY & CO. INC. ....	.....	17,664,760	18,000,000	81,600	1.G FE
0509999999. Subtotal - Bonds - U.S. States, Territories and Possessions						26,158,375	26,500,000	82,693	XXX
167615-IM-2	CHICAGO IL PARK DIST SERIES A 2.527% 01/01/34 .....	.....	.....06/21/2023	U.S. BANCORP LIBRA .....	.....	1,575,240	2,000,000	24,147	1.C FE
250375-LZ-3	DESERT CNTY CLG DIST CA 2.688% 08/01/34 .....	.....	.....06/28/2023	U.S. BANCORP LIBRA .....	.....	5,360,868	6,515,000	72,482	1.C FE
0709999999. Subtotal - Bonds - U.S. Political Subdivisions of States, Territories and Possessions						6,936,108	8,515,000	96,629	XXX
3136A9-2X-5	FNR 2012-118 ZV Z SEQ 3.000% 11/25/42 .....	.....	.....04/01/2023	Interest Capitalization .....	.....	19,214	19,214	.....	1.A
3137BB-FB-1	FHR 4352 ZW EXCH Z SEQ 3.000% 06/15/44 .....	.....	.....06/01/2023	Interest Capitalization .....	.....	109,605	109,605	.....	1.A
3137B6-3K-3	FHR 4430 Z Z SEQ 4.000% 01/15/45 .....	.....	.....06/01/2023	Interest Capitalization .....	.....	139,021	139,021	.....	1.A
3137BN-ED-2	FHR 4565 DZ Z SEQ 3.000% 03/15/46 .....	.....	.....06/01/2023	Interest Capitalization .....	.....	46,627	46,627	.....	1.A
3137BP-Q2-8	FHR 4579 GZ Z SEQ 3.000% 05/15/46 .....	.....	.....06/01/2023	Interest Capitalization .....	.....	98,123	98,123	.....	1.A
3137BT-2L-4	FHR 4631 VZ Z SEQ 3.500% 11/15/46 .....	.....	.....06/01/2023	Interest Capitalization .....	.....	46,677	46,677	.....	1.A
3137FG-3N-3	FHR 4801 ZD Z SEQ 4.000% 06/15/48 .....	.....	.....06/01/2023	Interest Capitalization .....	.....	124,128	124,128	.....	1.A
0909999999. Subtotal - Bonds - U.S. Special Revenues						583,395	583,395	.....	XXX
05553R-AC-4	BARCLAYS COMMERCIAL MORTGAGE SERIES 2023-C19 CLASS A5 5.451% 04/15/56 .....	.....	.....04/10/2023	BARCLAYS BANK PLC .....	.....	3,965,442	3,850,000	15,157	1.A FE
07336D-AW-1	BACLAYS COMMERCIAL MORTGAGE SERIES 2023-C20 CLASS A5 0.000% 07/15/56 .....	.....	.....06/21/2023	BARCLAYS BANK PLC .....	.....	8,239,488	8,000,000	12,391	1.A FE
07336D-BA-8	BACLAYS COMMERCIAL MORTGAGE SERIES 2023-C20 CLASS AS 0.000% 07/15/56 .....	.....	.....06/21/2023	BARCLAYS BANK PLC .....	.....	5,433,025	5,275,000	.....	1.D FE
081925-BA-6	BENCHMARK MORTGAGE TRUST SERIES 23-B39 CLASS AS 6.250% 07/15/55 .....	.....	.....06/28/2023	CITIGROUP GLOBAL MARKETS INC .....	.....	6,437,498	6,250,000	18,269	1.C FE
09247X-AT-8	BLACKROCK INC 4.750% 05/25/33 .....	.....	.....05/17/2023	JP MORGAN SECURITIES .....	.....	14,850,600	15,000,000	.....	1.D FE
126117-AX-8	CNA FINANCIAL CORP 5.500% 06/15/33 .....	.....	.....05/17/2023	WELLS FARGO .....	.....	24,836,750	25,000,000	.....	2.A FE
207597-EQ-4	CONNECTICUT LIGHT & PWIR 4.900% 07/01/33 .....	.....	.....06/26/2023	WELLS FARGO .....	.....	14,970,750	15,000,000	.....	1.E FE
21036P-BP-2	CONSTELLATION BRANDS INC 4.900% 05/01/33 .....	.....	.....04/27/2023	BANK OF AMERICA .....	.....	6,454,890	6,500,000	.....	2.C FE
37045X-EH-5	GENERAL MOTORS FINL CO 5.800% 06/23/28 .....	.....	.....06/20/2023	CITIGROUP GLOBAL MARKETS INC .....	.....	14,996,850	15,000,000	.....	2.B FE
382550-BN-0	GOODYEAR TIRE & RUBBER SERIES W1 5.000% 07/15/29 .....	.....	.....05/15/2023	U.S. BANCORP LIBRA .....	.....	4,524,063	5,000,000	81,632	3.C FE
427866-BJ-6	HERSHEY COMPANY 4.500% 05/04/33 .....	.....	.....05/01/2023	JP MORGAN SECURITIES .....	.....	7,285,473	7,300,000	.....	1.F FE
43283G-AA-0	HILTON GRAND VACATIONS TRUST SERIES 2022-2A CLASS A 144A 4.300% 01/25/37 .....	.....	.....04/20/2023	BNP PARIBAS .....	.....	674,763	693,928	2,404	1.A FE
46266T-AB-4	IQVIA INC SERIES 144A 5.700% 05/15/28 .....	.....	.....05/18/2023	GOLDMAN SACHS & COMPANY .....	.....	2,999,790	3,000,000	.....	2.C FE
46266T-AD-0	IQVIA INC SERIES 144A 6.500% 05/15/30 .....	.....	.....05/18/2023	GOLDMAN SACHS & COMPANY .....	.....	1,290,000	1,290,000	.....	3.B FE
46284V-AP-6	IRON MOUNTAIN INC SERIES 144A 7.000% 02/15/29 .....	.....	.....05/10/2023	JP MORGAN SECURITIES .....	.....	3,845,000	3,845,000	.....	3.C FE
465685-AR-6	ITC HOLDINGS CORP SERIES 144A 4.950% 09/22/27 .....	.....	.....05/17/2023	MIZUHO SECURITIES USA INC. ....	.....	10,006,600	10,000,000	94,875	2.B FE
465685-AS-4	ITC HOLDINGS CORP SERIES 144A 5.400% 06/01/33 .....	.....	.....05/17/2023	MIZUHO SECURITIES USA INC. ....	.....	9,984,700	10,000,000	.....	2.B FE
52521R-AS-0	LMT 2007-5 2A3 FLT SSNR AS 5.480% 06/25/37 .....	.....	.....06/25/2023	Interest Capitalization .....	.....	26	26	.....	1.A FM
55318E-AA-8	RIMBS MIRAVET SERIES 2023-MILE CLASS A 144A 6.755% 06/06/28 .....	.....	.....06/02/2023	GOLDMAN SACHS & COMPANY .....	.....	15,150,000	15,000,000	56,289	1.A FE
55903V-BB-8	WARNERMEDIA HOLDINGS INC SERIES W1 4.054% 03/15/29 .....	.....	.....05/01/2023	Tax Free Exchange .....	.....	1,325,000	1,325,000	6,864	2.C FE
55903V-BC-6	WARNERMEDIA HOLDINGS INC SERIES 4.279% 03/15/32 .....	.....	.....05/01/2023	Tax Free Exchange .....	.....	6,335,727	6,750,000	36,906	2.C FE
55903V-BD-4	WARNERMEDIA HOLDINGS INC SERIES W1 5.050% 03/15/42 .....	.....	.....05/01/2023	Tax Free Exchange .....	.....	2,300,000	2,300,000	14,841	2.C FE
58933Y-BM-6	MERCK & CO INC 5.000% 05/17/53 .....	.....	.....05/08/2023	BNP PARIBAS .....	.....	8,914,111	8,950,000	.....	1.E FE
63743H-FJ-6	NATIONAL RURAL UTIL COOP 5.050% 09/15/28 .....	.....	.....06/26/2023	JP MORGAN SECURITIES .....	.....	19,997,800	20,000,000	.....	1.F FE
718547-AF-9	PHILLIPS 66 CO SERIES W1 3.550% 10/01/26 .....	.....	.....05/05/2023	Tax Free Exchange .....	.....	4,356,896	4,450,000	14,920	2.A FE
718547-AH-5	PHILLIPS 66 CO SERIES W1 3.750% 03/01/28 .....	.....	.....05/05/2023	Tax Free Exchange .....	.....	6,911,870	7,125,000	47,500	2.A FE
718547-AP-7	PHILLIPS 66 SERIES W1 4.900% 10/01/46 .....	.....	.....05/05/2023	Tax Free Exchange .....	.....	7,101,106	7,000,000	32,394	2.A FE
743820-AC-6	PROV ST JOSEPH HLTH OBL 5.403% 10/01/33 .....	.....	.....04/26/2023	MORGAN STANLEY & CO. INC. ....	.....	18,915,000	18,915,000	.....	1.F FE
784710-AC-9	SSM HEALTH CARE 4.894% 06/01/28 .....	.....	.....04/18/2023	CITIGROUP GLOBAL MARKETS INC .....	.....	20,000,000	20,000,000	.....	1.E FE

STATEMENT AS OF JUNE 30, 2023 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
87264A-AV-7	T-MOBILE USA INC CO. GUARNT 4.750% 02/01/28 .....	.....	.....04/27/2023	BANK OF AMERICA .....	.....	.....1,986,300	2,000,000	23,750	2.B FE
87264A-BW-4	T MOBILE USA INC 3.500% 04/15/31 .....	.....	.....04/27/2023	GOLDMAN SACHS & COMPANY .....	.....	.....4,502,150	5,000,000	7,778	2.B FE
87264A-CY-9	T MOBILE USA INC 5.050% 07/15/33 .....	.....	.....05/08/2023	JP MORGAN SECURITIES .....	.....	.....18,305,934	18,600,000	240,043	2.B FE
896522-AJ-8	TRINITY INDUSTRIES INC SERIES 144A 7.750% 07/15/28 .....	.....	.....06/28/2023	BANK OF AMERICA .....	.....	.....2,873,750	2,870,000 .....	..... .....	3.B FE
931142-FD-0	WALMART INC 4.100% 04/15/33 .....	.....	.....04/12/2023	MIZUHO SECURITIES USA INC. ....	.....	.....9,100,000	9,100,000 .....	..... .....	1.C FE
931142-FE-8	WALMART INC 4.500% 04/15/53 .....	.....	.....04/12/2023	CITIGROUP GLOBAL MARKETS INC .....	.....	.....4,238,228	4,250,000 .....	..... .....	1.C FE
98877D-AD-7	ZF NA CAPITAL SERIES 144A 6.875% 04/14/28 .....	.....	.....04/04/2023	JP MORGAN SECURITIES .....	.....	.....747,660	750,000 .....	..... .....	3.A FE
0778FP-AL-3	BELL CANADA 5.100% 05/11/33	A.....	05/08/2023	CITIGROUP GLOBAL MARKETS INC .....	.....	.....19,986,000	20,000,000 .....	..... .....	2.A FE
13648T-AD-9	CANADIAN PACIFIC RAILWAY 4.300% 05/15/43	A.....	04/19/2023	Taxable Exchange .....	.....	.....15,971,864	18,750,000 .....	..... .....	2.B FE
13648T-AE-7	CANADIAN PACIFIC RAILWAY 4.950% 08/15/45	A.....	04/19/2023	Taxable Exchange .....	.....	.....17,230,507	17,775,000 .....	..... .....	2.B FE
716973-AE-2	PFIZER INVESTMENT ENTER 4.750% 05/19/33	D.....	05/16/2023	BANK OF AMERICA .....	.....	.....7,863,188	7,875,000 .....	..... .....	1.E FE
716973-AG-7	PFIZER INVESTMENT ENTER 5.300% 05/19/53	D.....	05/16/2023	CITIGROUP GLOBAL MARKETS INC .....	.....	.....7,089,421	7,100,000 .....	..... .....	1.E FE
1109999999. Subtotal - Bonds - Industrial and Miscellaneous (Unaffiliated)						361,998,220	366,888,954	714,765	XXX
2509999997. Total - Bonds - Part 3						404,500,107	411,357,470	894,087	XXX
2509999998. Total - Bonds - Part 5						XXX	XXX	XXX	XXX
2509999999. Total - Bonds						404,500,107	411,357,470	894,087	XXX
4509999997. Total - Preferred Stocks - Part 3							XXX		XXX
4509999998. Total - Preferred Stocks - Part 5						XXX	XXX	XXX	XXX
4509999999. Total - Preferred Stocks							XXX		XXX
5989999997. Total - Common Stocks - Part 3							XXX		XXX
5989999998. Total - Common Stocks - Part 5						XXX	XXX	XXX	XXX
5989999999. Total - Common Stocks							XXX		XXX
5999999999. Total - Preferred and Common Stocks							XXX		XXX
6009999999 - Totals						404,500,107	XXX	894,087	XXX

STATEMENT AS OF JUNE 30, 2023 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
..29766D-AF-1	ETHIOPIAN LEASING 2012 US GOVT GUARANT 2.64% 05/12/26 .....	.....	05/12/2023	Redemption 100.0000 .....	.....	530,028	530,028	530,028	530,028 .....	.....	.....	.....	.....	.....	530,028 .....	.....	.....	.....	7,012	05/12/2026	1.A
..29766D-AG-9	ETHIOPIAN LEASING 2012 US GOVT GUARANT 2.56% 08/14/26 .....	.....	05/14/2023	Redemption 100.0000 .....	.....	214,627	214,627	214,627	214,627 .....	.....	.....	.....	.....	.....	214,627 .....	.....	.....	.....	2,754	08/14/2026	1.A
..302155-BA-3	EXP IMP IMB 2.62% 11/12/26 .....	.....	05/12/2023	Redemption 100.0000 .....	.....	220,498	220,498	220,498	178,621 .....	.....	41,876 .....	.....	41,876 .....	.....	220,498 .....	.....	.....	.....	2,823	11/12/2026	1.A
..30217T-AA-0	EXPORT LEASE TEN CO LLC US GOVT GUARANT 1.650% 05/07/25 .....	.....	05/07/2023	Redemption 100.0000 .....	.....	88,842	88,842	85,073	87,938 .....	.....	904 .....	.....	904 .....	.....	88,842 .....	.....	.....	.....	733	05/07/2025	1.A
..3617A4-PJ-1	GN A04025 3.700% 10/15/33 .....	.....	06/01/2023	Paydown .....	.....	127,849	127,849	131,685	130,181 .....	.....	(2,332) .....	.....	(2,332) .....	.....	127,849 .....	.....	.....	.....	1,972	10/15/2033	1.A
..361708-L6-7	GNMA POOL BX3949 1.730% 07/15/37 .....	.....	06/01/2023	Paydown .....	.....	393,839	393,839	394,331	394,230 .....	.....	(391) .....	.....	(391) .....	.....	393,839 .....	.....	.....	.....	2,840	07/15/2037	1.A
..36170U-LJ-0	GNMA POOL BZ0329 1.650% 07/15/42 .....	.....	06/01/2023	Paydown .....	.....	315,769	315,769	315,868	315,840 .....	.....	(71) .....	.....	(71) .....	.....	315,769 .....	.....	.....	.....	2,171	07/15/2042	1.A
..36181R-SZ-4	GN AF9864 4.250% 09/15/38 .....	.....	06/01/2023	Paydown .....	.....	352,088	352,088	384,670	380,442 .....	.....	(28,354) .....	.....	(28,354) .....	.....	352,088 .....	.....	.....	.....	6,238	09/15/2038	1.A
..690353-SQ-1	OVERSEAS PRIVATE INV COR US GOVT GUARANT 3.430% 05/15/30 .....	.....	05/15/2023	Redemption 100.0000 .....	.....	72,500	72,500	72,500	72,500 .....	.....	.....	.....	.....	.....	72,500 .....	.....	.....	.....	1,243	05/15/2030	1.A
..690353-XM-4	OVERSEAS PRIVATE INV COR US GOVT GUARANT 3.590% 12/15/30 .....	.....	06/15/2023	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 .....	.....	06/15/2023	Redemption 100.0000 .....	.....	124,997	124,997	124,997	124,997 .....	.....	.....	.....	.....	.....	124,997 .....	.....	.....	.....	2,212	06/15/2030	1.A
..71654Q-BS-0	PETROLEOS MEXICANOS US GOVT GUARANT 5.610% 04/15/25 .....	.....	04/17/2023	Redemption 100.0000 .....	.....	125,000	125,000	123,125	124,519 .....	.....	481 .....	.....	481 .....	.....	125,000 .....	.....	.....	.....	3,022	04/15/2025	1.A
..746388-AA-5	PURPLE CHEN 2011 LLC US GOVT GUARANT 2.735% 08/01/23 .....	.....	05/01/2023	Redemption 100.0000 .....	.....	612,977	612,977	612,977	612,977 .....	.....	.....	.....	.....	.....	612,977 .....	.....	.....	.....	8,382	08/01/2023	1.A
..79977T-AA-7	SANDALWOOD 2013 LLC US GOVT GUARANT 2.836% 07/10/25 .....	.....	04/10/2023	Redemption 100.0000 .....	.....	405,086	405,086	405,086	405,086 .....	.....	.....	.....	.....	.....	405,086 .....	.....	.....	.....	5,744	07/10/2025	1.A
..79977T-AB-5	SANDALWOOD 2013 LLC US GOVT GUARANT 2.897% 07/10/25 .....	.....	04/10/2023	Redemption 100.0000 .....	.....	357,429	357,429	357,429	357,429 .....	.....	.....	.....	.....	.....	357,429 .....	.....	.....	.....	5,177	07/10/2025	1.A
..90373R-AA-8	ULANI MSN 35940 LLC US GOVT GUARANT 2.227% 05/16/25 .....	.....	05/16/2023	Redemption 100.0000 .....	.....	208,333	208,333	208,333	208,333 .....	.....	.....	.....	.....	.....	208,333 .....	.....	.....	.....	2,320	05/16/2025	1.A
..912810-EP-9	US TREASURY N/B United States Treasury No 7.12 7.125% 07/15/23 .....	.....	05/10/2023	Maturity .....	.....	100,000	100,000	107,891	100,075 .....	.....	1,582 .....	.....	1,582 .....	.....	101,657 .....	.....	(1,657)	(1,657)	81,738	07/15/2023	1.A
0109999999. Subtotal - Bonds - U.S. Governments						4,285,576	4,285,576	4,324,832	4,273,537		13,695		13,695		4,287,233		(1,657)	(1,657)	137,022	XXX	XXX
..14440P-AA-1	CARPINTERO FINANCE LTD GOVT GTD. 2.004% 09/18/24	D.....	06/18/2023	Redemption 100.0000 .....	.....	239,150	239,150	239,150	239,150 .....	.....	.....	.....	.....	.....	239,150 .....	.....	.....	.....	2,396	09/18/2024	1.A Z
0309999999. Subtotal - Bonds - All Other Governments						239,150	239,150	239,150	239,150						239,150				2,396	XXX	XXX
..072024-WT-5	BAY AREA CA TOLL AUTH TOLL BRI SERIES F-1 3.552% 04/01/54 .....	.....	04/14/2023	CONVERSION .....	.....	8,794,753	10,845,000	10,845,000	10,845,000 .....	.....	.....	.....	.....	.....	10,845,000 .....	.....	(2,050,247)	(2,050,247)	225,778	04/01/2054	1.C FE
..3132FC-F2-6	FHLMC POOL Z40185 5.500% 01/01/52 .....	.....	06/01/2023	Paydown .....	.....	13,099	13,099	14,567	14,549 .....	.....	(1,450) .....	.....	(1,450) .....	.....	13,099 .....	.....	.....	.....	300	01/01/2052	1.A
..3133KY-SV-2	FHLMC POOL RB5032 2.500% 02/01/40 .....	.....	06/01/2023	Paydown .....	.....	161,879	161,879	164,914	161,879 .....	.....	(2,891) .....	.....	(2,891) .....	.....	161,879 .....	.....	.....	.....	1,680	02/01/2040	1.A
..31359U-PG-4	FNII 1998-W2 B1 SUB 13.000% 06/25/28 .....	.....	06/01/2023	Paydown .....	.....	18,587	18,587	17,791	18,194 .....	.....	393 .....	.....	393 .....	.....	18,587 .....	.....	.....	.....	496	06/25/2028	1.A
..31359U-PH-2	FNII 1998-W2 B2 SUB 12.020% 06/25/28 .....	.....	06/01/2023	Paydown .....	.....	10,154	10,154	9,570	9,873 .....	.....	281 .....	.....	281 .....	.....	10,154 .....	.....	.....	.....	305	06/25/2028	1.A
..3136A1-T3-9	FNR 2011-115 MB PAC-11 2.500% 11/25/26 .....	.....	06/01/2023	Paydown .....	.....	155,104	155,104	157,528	156,042 .....	.....	(937) .....	.....	(937) .....	.....	155,104 .....	.....	.....	.....	1,670	11/25/2026	1.A
..3136A9-2X-5	FNR 2012-118 ZV Z SEQ 3.000% 11/25/42 .....	.....	06/01/2023	Paydown .....	.....	147,364	147,364	156,258	153,334 .....	.....	(6,337) .....	.....	(6,337) .....	.....	147,364 .....	.....	.....	.....	975	11/25/2042	1.A
..3136AA-A2-1	FNR 2012-133 NA PAC-11 1.500% 05/25/42 .....	.....	06/01/2023	Paydown .....	.....	144,546	144,546	144,230	144,286 .....	.....	260 .....	.....	260 .....	.....	144,546 .....	.....	.....	.....	917	05/25/2042	1.A
..3136AA-FR-1	.....	.....	06/01/2023	Paydown .....	.....	300,394	300,394	306,730	305,206 .....	.....	(4,812) .....	.....	(4,812) .....	.....	300,394 .....	.....	.....	.....	2,490	11/25/2042	1.A
..3136AS-SM-4	FNR 2016-53 GA SEQ 3.500% 12/25/43 .....	.....	06/01/2023	Paydown .....	.....	64,381	64,381	66,310	65,741 .....	.....	(1,360) .....	.....	(1,360) .....	.....	64,381 .....	.....	.....	.....	895	12/25/2043	1.A
..3136AS-OR-0	FNR 2016-37 MJ EXCH SEQ 3.500% 08/25/43 .....	.....	06/01/2023	Paydown .....	.....	70,430	70,430	74,589	71,486 .....	.....	(1,056) .....	.....	(1,056) .....	.....	70,430 .....	.....	.....	.....	999	08/25/2043	1.A

STATEMENT AS OF JUNE 30, 2023 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
..3136AX-M2-8	FNR 2017-67 BN EXCH AD SEQ 3.000% 02/25/44	.....	06/01/2023	Paydown	.....	179,834	179,834	183,571	182,206	.....	.....(2,372)	.....	.....(2,372)	.....	.....179,834	.....	.....	.....	.....2,321	02/25/2044	1.A
..3136AX-TU-9	FNR 2017-62 AB EXCH PAC 3.000% 08/25/45	.....	06/01/2023	Paydown	.....	343,364	343,364	352,055	348,679	.....	.....(5,315)	.....	.....(5,315)	.....	.....343,364	.....	.....	.....	.....4,271	08/25/2045	1.A
..3136B2-XP-2	FNR 2018-58 P AD PAC 4.000% 12/25/44	.....	06/01/2023	Paydown	.....	198,302	198,302	204,313	202,572	.....	.....(4,270)	.....	.....(4,270)	.....	.....198,302	.....	.....	.....	.....3,437	12/25/2044	1.A
..3136B7-3Z-2	FANNIE MAE FANNIE MAE 3.500% 11/01/49	.....	06/01/2023	Redemption 100.0000	.....	73,856	73,856	76,440	76,112	.....	.....(2,256)	.....	.....(2,256)	.....	.....73,856	.....	.....	.....	.....1,157	11/01/2049	1.A
..3137AG-R3-6	FHR 3935 GA EXCH PAC-11 3.000% 10/15/26	.....	06/01/2023	Paydown	.....	110,553	110,553	115,235	112,568	.....	.....(2,014)	.....	.....(2,014)	.....	.....110,553	.....	.....	.....	.....1,392	10/15/2026	1.A
..3137AG-UM-0	FHR 3940 CB SCH-11 3.000% 01/15/25	.....	06/01/2023	Paydown	.....	147,516	147,516	153,648	149,396	.....	.....(1,880)	.....	.....(1,880)	.....	.....147,516	.....	.....	.....	.....1,856	01/15/2025	1.A
..3137AJ-CP-7	FHR 3958 PA PAC-11 3.000% 11/15/26	.....	06/01/2023	Paydown	.....	79,263	79,263	82,604	80,780	.....	.....(1,516)	.....	.....(1,516)	.....	.....79,263	.....	.....	.....	.....991	11/15/2026	1.A
..3137BM-ZE-9	FHR 4550 GA SEQ 3.000% 10/15/41	.....	05/01/2023	Paydown	.....	84,013	84,013	87,361	84,113	.....	.....(100)	.....	.....(100)	.....	.....84,013	.....	.....	.....	.....890	10/15/2041	1.A
..3137BN-EB-3	FHR 4565 DM EXCH SEQ 3.000% 02/15/42	.....	06/01/2023	Paydown	.....	111,703	111,703	115,752	112,221	.....	.....(518)	.....	.....(518)	.....	.....111,703	.....	.....	.....	.....1,383	02/15/2042	1.A
..3137BS-DS-9	FHR 4622 HA SEQ 3.000% 11/15/43	.....	06/01/2023	Paydown	.....	163,621	163,621	171,291	166,805	.....	.....(3,184)	.....	.....(3,184)	.....	.....163,621	.....	.....	.....	.....2,115	11/15/2043	1.A
..3137BW-2C-7	FHR 4671 CA EXCH SEQ 3.500% 08/15/43	.....	06/01/2023	Paydown	.....	47,910	47,910	49,632	48,401	.....	.....(491)	.....	.....(491)	.....	.....47,910	.....	.....	.....	.....701	08/15/2043	1.A
..3137BW-YS-7	FHR 4674 AL SEQ 3.000% 07/15/45	.....	06/01/2023	Paydown	.....	234,795	234,795	219,717	228,105	.....	.....6,691	.....	.....6,691	.....	.....234,795	.....	.....	.....	.....2,971	07/15/2045	1.A
..3137F1-5E-4	FHR 4690 WA EXCH SEQ 3.500% 12/15/43	.....	06/01/2023	Paydown	.....	254,755	254,755	263,194	257,115	.....	.....(2,360)	.....	.....(2,360)	.....	.....254,755	.....	.....	.....	.....3,691	12/15/2043	1.A
..3137FA-E7-9	FHR 4708 B EXCH SEQ 3.500% 10/15/44	.....	06/01/2023	Paydown	.....	158,721	158,721	164,326	160,271	.....	.....(1,550)	.....	.....(1,550)	.....	.....158,721	.....	.....	.....	.....2,353	10/15/2044	1.A
..3137FB-D3-7	FHR 4728 A EXCH SEQ 3.500% 02/15/45	.....	06/01/2023	Paydown	.....	96,270	96,270	99,560	97,399	.....	.....(1,129)	.....	.....(1,129)	.....	.....96,270	.....	.....	.....	.....1,427	02/15/2045	1.A
..3137FB-HU-3	FHR 4725 QT EXCH SEQ 3.500% 01/15/45	.....	06/01/2023	Paydown	.....	161,166	161,166	166,567	162,944	.....	.....(1,779)	.....	.....(1,779)	.....	.....161,166	.....	.....	.....	.....2,389	01/15/2045	1.A
..3137FG-NC-5	FHR 4809 JY EXCH SEQ 4.500% 05/15/48	.....	06/01/2023	Paydown	.....	161,581	161,581	170,342	166,407	.....	.....(4,826)	.....	.....(4,826)	.....	.....161,581	.....	.....	.....	.....2,948	05/15/2048	1.A
..3137FG-SK-2	FHR 4814 BA EXCH SC PT 4.500% 07/15/48	.....	06/01/2023	Paydown	.....	124,170	124,170	128,361	126,733	.....	.....(2,563)	.....	.....(2,563)	.....	.....124,170	.....	.....	.....	.....2,255	07/15/2048	1.A
..3138EL-NB-2	FNMA AL4014 3.500% 07/01/43	.....	06/01/2023	Paydown	.....	122,612	122,612	130,946	130,134	.....	.....(7,522)	.....	.....(7,522)	.....	.....122,612	.....	.....	.....	.....1,749	07/01/2043	1.A
..31392J-LN-7	FNR 2003-15 PG PAC-11 5.500% 03/25/33	.....	06/01/2023	Paydown	.....	8,383	8,383	8,061	8,228	.....	.....155	.....	.....155	.....	.....8,383	.....	.....	.....	.....192	03/25/2033	1.A
..31394B-WK-6	FNR 2004-96 QD PAC-11 5.500% 12/25/34	.....	06/01/2023	Paydown	.....	120,452	120,452	118,645	119,765	.....	.....686	.....	.....686	.....	.....120,452	.....	.....	.....	.....2,848	12/25/2034	1.A
..31395D-CQ-0	FNR 2006-41 ZV Z SEQ 6.000% 05/25/36	.....	06/01/2023	Paydown	.....	59,530	59,530	58,292	58,985	.....	.....545	.....	.....545	.....	.....59,530	.....	.....	.....	.....1,435	05/25/2036	1.A
..31395E-RK-5	FHR 2840 ZH Z SEQ 5.000% 08/15/34	.....	06/29/2023	Paydown	.....	12,739	12,739	10,764	12,178	.....	.....561	.....	.....561	.....	.....12,739	.....	.....	.....	.....316	08/15/2034	1.A
..31395N-GE-1	FNR 2006-45 AN SEQ 6.000% 06/25/26	.....	06/01/2023	Paydown	.....	39,935	39,935	39,548	39,705	.....	.....231	.....	.....231	.....	.....39,935	.....	.....	.....	.....987	06/25/2026	1.A
..31396G-LB-2	FHR 3101 PE PAC-1-11 5.500% 01/15/36	.....	06/01/2023	Paydown	.....	59,312	59,312	58,432	58,873	.....	.....439	.....	.....439	.....	.....59,312	.....	.....	.....	.....1,265	01/15/2036	1.A
..31397E-W5-0	FHR 3280 ME PAC-1-11 5.500% 02/15/37	.....	06/01/2023	Paydown	.....	47,748	47,748	47,129	47,521	.....	.....227	.....	.....227	.....	.....47,748	.....	.....	.....	.....1,140	02/15/2037	1.A
..31397J-MR-2	FHR 3341 B SEQ 6.000% 07/15/37	.....	06/01/2023	Paydown	.....	601	601	573	579	.....	.....21	.....	.....21	.....	.....601	.....	.....	.....	.....15	07/15/2037	1.A
..31397U-RC-5	FNR 2011-53 TN EXCH PT 4.000% 06/25/41	.....	06/01/2023	Paydown	.....	201,885	201,885	212,865	211,473	.....	.....(9,588)	.....	.....(9,588)	.....	.....201,885	.....	.....	.....	.....3,305	06/25/2041	1.A
..3140J9-YB-1	FNMA BM5205 4.000% 06/01/45	.....	06/01/2023	Paydown	.....	149,406	149,406	154,986	154,675	.....	.....(5,269)	.....	.....(5,269)	.....	.....149,406	.....	.....	.....	.....2,294	06/01/2045	1.A
..3141BD-FN-7	FNMA POOL MA3772 3.500% 09/01/39	.....	06/01/2023	Paydown	.....	83,592	83,592	86,662	86,505	.....	.....(2,912)	.....	.....(2,912)	.....	.....83,592	.....	.....	.....	.....1,248	09/01/2039	1.A
..3141BD-GJ-5	FNMA POOL MA3800 3.000% 10/01/39	.....	06/01/2023	Paydown	.....	80,069	80,069	82,071	81,933	.....	.....(1,904)	.....	.....(1,904)	.....	.....80,069	.....	.....	.....	.....993	10/01/2039	1.A
..3141BD-HJ-4	FNMA POOL MA3832 3.500% 11/01/39	.....	06/01/2023	Paydown	.....	150,371	150,371	156,292	156,018	.....	.....(5,647)	.....	.....(5,647)	.....	.....150,371	.....	.....	.....	.....2,472	11/01/2039	1.A
..3141BD-JP-8	FNMA POOL MA3869 3.500% 12/01/39	.....	06/01/2023	Paydown	.....	111,216	111,216	115,734	115,482	.....	.....(4,266)	.....	.....(4,266)	.....	.....111,216	.....	.....	.....	.....1,596	12/01/2039	1.A
..3141BD-LP-5	FNMA POOL MA3933 2.500% 02/01/40	.....	06/01/2023	Paydown	.....	169,635	169,635	172,073	171,954	.....	.....(2,319)	.....	.....(2,319)	.....	.....169,635	.....	.....	.....	.....1,780	02/01/2040	1.A
..3141BD-MP-4	FNMA POOL MA3965 2.500% 03/01/40	.....	06/01/2023	Paydown	.....	154,319	154,319	156,392	156,286	.....	.....(1,967)	.....	.....(1,967)	.....	.....154,319	.....	.....	.....	.....1,652	03/01/2040	1.A
..3141BD-P4-8	FNMA POOL MA4042 2.000% 06/01/35	.....	06/01/2023	Paydown	.....	410,237	410,237	422,929	421,797	.....	.....(11,559)	.....	.....(11,559)	.....	.....410,237	.....	.....	.....	.....3,427	06/01/2035	1.A
..3141BD-Q2-1	FNMA POOL MA4072 2.500% 07/01/40	.....	06/01/2023	Paydown	.....	304,104	304,104	316,030	315,429	.....	.....(11,325)	.....	.....(11,325)	.....	.....304,104	.....	.....	.....	.....3,138	07/01/2040	1.A
..3141BD-Q4-7	FNMA POOL MA4074 2.000% 07/01/35	.....	06/01/2023	Paydown	.....	414,772	414,772	427,604	426,517	.....	.....(11,745)	.....	.....(11,745)	.....	.....414,772	.....	.....	.....	.....3,417	07/01/2035	1.A
..3141BD-QG-0	FNMA POOL MA4054 2.500% 06/01/40	.....	06/01/2023	Paydown	.....	296,822	296,822	308,463	307,889	.....	.....(11,067)	.....	.....(11,067)	.....	.....296,822	.....	.....	.....	.....3,112	06/01/2040	1.A
..3141BD-TJ-1	FNMA POOL MA4152 2.000% 09/01/40	.....	06/01/2023	Paydown	.....	357,358	357,358	369,954	369,130	.....	.....(11,772)	.....	.....(11,772)	.....	.....357,358	.....	.....	.....	.....2,984	09/01/2040	1.A
..3141BD-U5-9	FNMA POOL MA4203 2.500% 11/01/40	.....	06/01/2023	Paydown	.....	364,817	364,817	381,949	380,874	.....	.....(16,057)	.....	.....(16,057)	.....	.....364,817	.....	.....	.....	.....3,858	11/01/2040	1.A
..3141BD-UA-8	FNMA POOL MA4176 2.000% 10/01/40	.....	06/01/2023	Paydown	.....	396,012	396,012	410,120	409,115	.....	.....(13,103)	.....	.....(13,103)	.....	.....396,012	.....	.....	.....	.....3,297	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	.....	04/01/2023	Call 100.0000	.....	410,000	410,000	425,629	412,774	.....	.....(287)	.....	.....(287)	.....	.....412,486	.....	.....(2,486)	(2,486)	11,890	04/01/2025	1.6 FE

STATEMENT AS OF JUNE 30, 2023 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
0909999999	Subtotal - Bonds - U.S. Special Revenues					17,138,011	19,188,258	19,435,599	19,365,167		(174,785)		(174,785)		19,190,744		(2,052,733)	(2,052,733)	335,463	XXX	XXX
..002824-BG-4	ABBOTT LABORATORIES SR UNSEC 4.750% 11/30/36		05/30/2023	U.S. BANCORP INVESTMENTS INC		7,250,071	7,225,000	7,178,760	7,188,643		776		776		7,189,419		60,652	60,652	172,547	11/30/2036	1.E FE
..031162-DT-4	AMGEN INC 5.650% 03/02/53		05/30/2023	MARKETAXESS HOLDINGS INC		1,795,194	1,800,000	1,797,408			8		8		1,797,416		(2,222)	(2,222)	25,143	03/02/2053	2.A FE
..035224-AJ-9	ANHEUSER-BUSCH CO/INBEV CO.GUARNT 4.900% 02/01/46		05/30/2023	SAL OPPENHEIM JR. & CIE			4,371,180	4,425,000	4,416,617		1,972		1,972		4,418,589		(47,409)	(47,409)	188,854	02/01/2046	1.G FE
..037833-AK-6	APPLE INC SR UNSEC 2.400% 05/03/23		05/03/2023	Maturity			7,375,000	7,375,000	7,365,191		370		370		7,375,000				88,500	05/03/2023	1.B FE
..05377R-CY-8	AESOP 2018-1A A SEQ 3.700% 09/20/24		06/20/2023	Paydown			1,500,000	1,500,000	1,502,168		(236)		(236)		1,500,000				23,125	09/20/2024	1.A FE
..054561-AC-9	AXA EQUITABLE HOLDINGS I SR UNSEC 3.900% 04/20/23		04/20/2023	Maturity			2,564,000	2,564,000	2,560,723		238		238		2,564,000				49,998	04/20/2023	2.A FE
..05607U-AA-7	BXGNT 2018-A A SEQ 3.770% 02/02/34		06/02/2023	Paydown			120,963	120,963	120,933		17		17		120,963				1,894	02/02/2034	1.A FE
..12510H-AB-6	CAPITAL AUTOMOTIVE REIT SERIES 2020-1A CLASS A2 144A 3.030% 02/15/50		06/15/2023	Paydown			11,271	11,271	11,269		1		1		11,271				143	02/15/2050	1.A FE
..12575A-AA-5	CMFT NET LEASE MASTER ISSUER SERIES 2021-1 CLASS A1 144A 2.090% 07/20/51		06/20/2023	Paydown			35,686	35,686	35,682		4		4		35,686				311	07/20/2051	1.A FE
..12663D-AC-8	CREDIT SUISSE MORTGAGE TRUST SERIES 2022-NOMS CLASS A1 144A 5.169% 06/25/67		06/01/2023	Paydown			651,495	651,495	648,216		3,201		3,201		651,495				14,035	06/25/2067	1.A FE
..14576A-AA-0	CAPITAL AUTOMOTIVE LP SERIES 2020-1A CLASS A1 144A 2.010% 12/15/50		06/15/2023	Paydown			7,500	7,500	7,497		2		2		7,500				63	12/15/2050	1.A FE
..15200W-AC-9	CNP 2012-1 A3 SEQ 3.028% 10/15/25		04/15/2023	Paydown			1,018,848	1,018,848	1,023,246		(964)		(964)		1,018,848				15,426	10/15/2025	1.A FE
..172967-HA-2	CITIGROUP INC SUBORD 6.675% 09/13/43		05/30/2023	CITIGROUP GLOBAL MARKETS INC			2,127,240	2,000,000	2,000,000						2,000,000		127,240	127,240	95,675	09/13/2043	2.B FE
..210717-AB-0	CMRS 2014-A A2 SEQ 2.962% 11/01/25		05/01/2023	Paydown			152,267	152,267	155,954		(912)		(912)		152,267				2,255	11/01/2025	1.A FE
..224044-CA-3	COX COMMUNICATIONS INC SR UNSEC 2.950% 07/30/23		06/30/2023	Maturity			1,000,000	1,000,000	945,123		3,007		3,007		999,437		563	563	14,750	07/30/2023	2.B FE
..24422E-VE-6	JOHN DEERE CAPITAL CORP SERIES MTN 1.200% 04/06/23		04/06/2023	Maturity			9,625,000	9,625,000	9,622,690		197		197		9,625,000				57,750	04/06/2023	1.F FE
..252722-AA-1	DROT 2019-1A A SEQ 2.890% 02/20/32		06/20/2023	Paydown			35,592	35,592	35,689		(60)		(60)		35,592				424	02/20/2032	1.A FE
..302155-BG-0	EXPORT IMPORT BK UNITED STATES 2.537% 07/13/25		04/13/2023	Redemption 100.0000			341,902	341,902	341,902						341,902				4,337	07/13/2025	1.A Z
..30259M-AA-4	FCITL 2019-1A A SEQ 3.630% 02/18/31		06/15/2023	Paydown			46,301	46,301	46,294		2		2		46,301				756	02/18/2031	1.A FE
..36258N-AD-4	GM FINANCIAL SECURITIZED TERM SERIES 2020-1 CLASS A4 1.900% 03/17/25		06/16/2023	Paydown			561,108	561,108	561,060		19		19		561,108				5,331	03/17/2025	1.A FE
..37045X-BK-1	GENERAL MOTORS FINL CO CO.GUARNT 3.700% 05/09/23		05/09/2023	Maturity			5,950,000	5,950,000	5,934,709		869		869		5,950,000				110,075	05/09/2023	2.B FE
..378272-AF-5	GLENCORE FUNDING LLC CO.GUARNT 4.125% 05/30/23		05/30/2023	Maturity			8,575,000	8,575,000	8,570,112		243		243		8,575,000				176,859	05/30/2023	2.A FE
..42770L-AA-1	HERO 2015-1A A SEQ 3.840% 09/21/40		06/20/2023	Paydown			20,712	20,712	20,702		4		4		20,712				408	09/21/2040	1.A FE
..42771A-AA-4	HERO 2017-3A A1 SEQ 3.190% 09/20/48		06/20/2023	Paydown			33,486	33,486	33,475		9		9		33,486				547	09/20/2048	1.A FE
..42771L-AB-8	HERO 2017-2A A1 SEQ 3.280% 09/20/48		06/20/2023	Paydown			12,510	12,510	12,509		1		1		12,510				210	09/20/2048	1.A FE
..43283G-AA-0	HILTON GRAND VACATIONS TRUST SERIES 2022-2A CLASS A 144A 4.300% 01/25/37		06/25/2023	Paydown			296,574	296,574	295,111		1,460		1,460		296,574				5,057	01/25/2037	1.A FE
..43284B-AA-0	HGVT 2018-AA A SEQ 3.540% 02/25/32		06/25/2023	Paydown			49,197	49,197	49,182		8		8		49,197				722	02/25/2032	1.A FE
..44409M-AA-4	HUDSON PACIFIC PROPERTIE CO.GUARNT 3.950% 11/01/27		06/07/2023	Various			11,172,845	15,128,000	12,175,509		(498)	2,954,282	(2,954,780)		12,179,467		(1,006,622)	(1,006,622)	355,653	11/01/2027	2.C FE
..46647P-BQ-8	JPMORGAN CHASE & CO 6.515% 06/01/24		06/01/2023	Call 100.0000			12,000,000	12,000,000	12,000,000						12,000,000				90,840	06/01/2024	1.E FE
..46649K-AC-9	JP MORGAN MORTGAGE TRUST SERIES 2018-5 CLASS A3 144A 3.500% 10/25/48		06/01/2023	Paydown			10,664	10,664	10,861		(12)		(12)		10,664				155	10/25/2048	1.A

STATEMENT AS OF JUNE 30, 2023 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
..46654D-AP-8	JP MORGAN MORTGAGE TRUST SERIES 2021-1INV4 CLASS A5A 144 2.500% 01/25/52	.....	06/01/2023	Paydown	.....	290,253	290,253	226,851	226,062	.....	.....62,192	.....	.....62,192	.....	.....290,253	.....	.....	.....	.....3,113	01/25/2052	1.A
..485170-AQ-7	KANSAS CITY SOUTHERN CO.GUARNT 4.300% 05/15/43	.....	04/19/2023	Taxable Exchange	.....	15,990,614	18,750,000	17,346,502	17,542,037	.....	.....10,528	.....	.....10,528	.....	.....17,552,565	.....	... (1,561,950)	... (1,561,950)	344,896	05/15/2043	2.B FE
..485170-AS-3	KANSAS CITY SOUTHERN CO.GUARNT 4.950% 08/15/45	.....	04/19/2023	Taxable Exchange	.....	17,248,282	17,775,000	17,727,541	17,733,565	.....	.....299	.....	.....299	.....	.....17,733,863	.....	..... (485,581)	 (485,581)	596,351	08/15/2045	2.B FE
..485170-AV-6	KANSAS CITY SOUTHERN CO.GUARNT 3.000% 05/15/23	.....	05/15/2023	Maturity	.....	5,625,000	5,625,000	5,357,027	5,608,638	.....	.....16,362	.....	.....16,362	.....	.....5,625,000	.....	.....	.....	.....84,375	05/15/2023	2.B FE
..502431-AJ-8	L3HARRIS TECH INC 3.850% 06/15/23 LMT 2007-5 2A3 FLT SSNR AS 5.480% 06/25/37	.....	06/15/2023	Maturity	.....	2,550,000	2,550,000	2,636,085	2,560,887	.....	..... (10,887)	.....	..... (10,887)	.....	.....2,550,000	.....	.....	.....	.....49,088	06/15/2023	2.B FE
..52521R-AS-0	.....	.....	04/25/2023	Paydown	.....	.....	.....223	14	14	.....	.....	.....	.....	.....	.....14	.....	..... (14)	 (14)	1	06/25/2037	1.A FM
..553896-AA-9	MVIOT 2017-1A A SEQ 2.420% 12/20/34 MVIOT SERIES 2019-2A CLASS A 144A 2.220% 10/20/38	.....	06/20/2023	Paydown	.....	78,063	78,063	77,448	77,750	.....	.....313	.....	.....313	.....	.....78,063	.....	.....	.....	.....784	12/20/2034	1.A FE
..554000-AA-9	MVI OWNER TRUST SERIES 2022-1A CLASS A 144A 4.150% 11/21/39	.....	06/20/2023	Paydown	.....	249,322	249,322	245,189	246,312	.....	.....3,010	.....	.....3,010	.....	.....249,322	.....	.....	.....	.....2,304	10/20/2038	1.A FE
..55400U-AA-1	MAGALLANES INC SERIES 144A 4.054% 03/15/29	.....	06/20/2023	Paydown	.....	68,167	68,167	65,483	65,488	.....	.....2,680	.....	.....2,680	.....	.....68,167	.....	.....	.....	.....1,181	11/21/2039	1.A FE
..55903V-AJ-2	MAGALLANES INC SERIES 144A 4.279% 03/15/32	.....	05/01/2023	Tax Free Exchange	.....	1,325,000	1,325,000	1,325,000	1,325,000	.....	.....	.....	.....	.....	.....1,325,000	.....	.....	.....	.....33,721	03/15/2029	2.C FE
..55903V-AL-7	MAGALLANES INC SERIES 144A 5.050% 03/15/42	.....	05/01/2023	Tax Free Exchange	.....	6,335,727	6,750,000	6,308,050	6,323,853	.....	.....11,875	.....	.....11,875	.....	.....6,335,727	.....	.....	.....	.....181,323	03/15/2032	2.C FE
..55903V-AN-3	.....	.....	05/01/2023	Tax Free Exchange	.....	2,300,000	2,300,000	2,300,000	2,300,000	.....	.....	.....	.....	.....	.....2,300,000	.....	.....	.....	.....72,916	03/15/2042	2.C FE
..58013M-FE-9	MCDONALD'S CORP SR UNSEC 3.350% 04/01/23	.....	04/01/2023	Maturity	.....	3,225,000	3,225,000	3,223,775	3,224,937	.....	.....63	.....	.....63	.....	.....3,225,000	.....	.....	.....	.....54,019	04/01/2023	2.A FE
..594918-BK-9	MICROSOFT CORP SR UNSEC 4.200% 11/03/35	.....	05/30/2023	JANE STREET EXECUTION SERVICES	.....	3,319,817	3,350,000	3,340,553	3,343,077	.....	.....171	.....	.....171	.....	.....3,343,248	.....	..... (23,431)	 (23,431)	81,293	11/03/2035	1.A FE
..62848B-AA-9	MVIOT 2018-1A A SEQ 3.450% 01/21/36	.....	06/20/2023	Paydown	.....	128,513	128,513	128,537	128,527	.....	..... (14)	.....	..... (14)	.....	.....128,513	.....	.....	.....	.....1,839	01/21/2036	1.A FE
..63935B-AA-1	NAVIENT STUDENT LOAN TRUST SERIES 2020-HA CLASS A 144A 1.310% 01/15/69	.....	06/15/2023	Paydown	.....	73,343	73,343	73,337	73,338	.....	.....5	.....	.....5	.....	.....73,343	.....	.....	.....	.....395	01/15/2069	1.A FE
..63941K-AB-1	NAVIENT STUDENT LOAN TRUST SERIES 2020-CA CLASS A2A 144A 2.150% 11/15/68	.....	06/15/2023	Paydown	.....	338,916	338,916	338,191	338,479	.....	.....437	.....	.....437	.....	.....338,916	.....	.....	.....	.....2,998	11/15/2068	1.A FE
..63941L-AB-9	NAVSL 2019-BA A2A SEQ 3.390% 12/15/59	.....	06/15/2023	Paydown	.....	95,722	95,722	95,717	95,719	.....	.....3	.....	.....3	.....	.....95,722	.....	.....	.....	.....1,336	12/15/2059	1.A FE
..64952W-DP-5	NEW YORK LIFE INSURANCE SERIES 144A 1.100% 05/05/23	.....	05/05/2023	Maturity	.....	5,325,000	5,325,000	5,323,882	5,324,871	.....	.....129	.....	.....129	.....	.....5,325,000	.....	.....	.....	.....29,288	05/05/2023	1.A FE
..67181D-AA-9	OAK STREET INVESTMENT GRADE SERIES 2020-1A CLASS A1 144A 1.850% 10/20/50	.....	06/20/2023	Paydown	.....	47,957	47,957	47,697	47,760	.....	.....197	.....	.....197	.....	.....47,957	.....	.....	.....	.....370	10/20/2050	1.A FE
..67181D-AJ-0	OAK STREET INVESTMENT GRADE SERIES 2021-2A CLASS A1 144A 2.380% 11/20/51	.....	06/20/2023	Paydown	.....	21,412	21,412	21,404	21,405	.....	.....6	.....	.....6	.....	.....21,412	.....	.....	.....	.....212	11/20/2051	1.A FE
..67190A-AA-4	OAK STREET INVESTMENT GRADE SERIES 2021-1A CLASS A1 144A 1.480% 01/20/51	.....	06/20/2023	Paydown	.....	21,778	21,778	21,775	21,776	.....	.....2	.....	.....2	.....	.....21,778	.....	.....	.....	.....134	01/20/2051	1.A FE
..67190A-AB-2	OAK STREET INVESTMENT GRADE SERIES 2021-1A CLASS A2 144A 1.930% 01/20/51	.....	06/20/2023	Paydown	.....	8,711	8,711	8,710	8,710	.....	.....1	.....	.....1	.....	.....8,711	.....	.....	.....	.....70	01/20/2051	1.A FE
..69335P-DP-7	PFS FINANCING CORP SERIES 2020-A CLASS A 144A 1.270% 06/16/25	.....	06/15/2023	Paydown	.....	15,000,000	15,000,000	14,997,986	14,999,684	.....	.....316	.....	.....316	.....	.....15,000,000	.....	.....	.....	.....95,250	06/16/2025	1.A FE
..693650-AL-7	PSMC TRUST SERIES 2021-1 CLASS A11 144A 2.500% 03/25/51	.....	06/01/2023	Paydown	.....	171,525	171,525	175,652	174,330	.....	..... (2,805)	.....	..... (2,805)	.....	.....171,525	.....	.....	.....	.....1,711	03/25/2051	1.A
..69376C-AC-8	PSMC TRUST SERIES 2021-2 CLASS A3 144A 2.500% 05/25/51	.....	06/01/2023	Paydown	.....	354,769	354,769	365,190	361,654	.....	..... (6,885)	.....	..... (6,885)	.....	.....354,769	.....	.....	.....	.....3,290	05/25/2051	1.A
..718547-AE-2	PHILLIPS 66 CO SERIES 144A 3.550% 10/01/26	.....	05/05/2023	Tax Free Exchange	.....	4,356,896	4,450,000	4,331,875	4,348,317	.....	.....8,578	.....	.....8,578	.....	.....4,356,896	.....	.....	.....	.....93,907	10/01/2026	2.A FE
..718547-AG-7	PHILLIPS 66 CO SERIES 144A 3.750% 03/01/28		05/05/2023	Tax Free Exchange		6,911,870	7,125,000	6,872,711	6,898,492		13,377		13,377		6,911,870				181,094	03/01/2028	2.A FE

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										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
..718547-AN-2	PHILLIPS 66 SERIES 144A 4.900% 10/01/46 ... POLAR TANKERS INC CO.GUARNT 5.951% 05/10/37	.....	05/05/2023	Tax Free Exchange Redemption 100.0000	.....	7,101,106	7,000,000	7,103,180	7,101,929	.....	(823)	.....	(823)	.....	7,101,106	.....	.....	.....	203,894	10/01/2046	2.A FE
..731020-AA-4	RENEW FINANCIAL SERIES 2021-1 CLASS A 144A 2.060% 11/20/56	.....	05/10/2023	.....	.....	65,193	65,193	61,135	63,031	.....	2,162	.....	2,162	.....	65,193	.....	.....	.....	1,940	05/10/2037	1.F FE
..75975B-AA-6	SMB 2017-A A2A SEQ 2.880% 09/15/34	.....	06/20/2023	Paydown	.....	62,562	62,562	62,553	62,553	.....	9	.....	9	.....	62,562	.....	.....	.....	225	11/20/2056	1.A FE
..78448W-AB-1	SMB 2017-A A2A SEQ 2.880% 09/15/34	.....	06/15/2023	Paydown	.....	129,285	129,285	129,240	129,264	.....	22	.....	22	.....	129,285	.....	.....	.....	1,518	09/15/2034	1.A FE
..78449K-AB-6	SMB 2016-C A2A SEQ 2.340% 09/15/34	.....	06/15/2023	Paydown	.....	205,078	205,078	202,433	204,220	.....	858	.....	858	.....	205,078	.....	.....	.....	1,976	09/15/2034	1.A FE
..78449L-AB-4	SMB 2018-B A2A SEQ 3.600% 01/15/37 SEQUOIA MORTGAGE TRUST SERIES 2013-5 CLASS A2 144A 3.000% 05/25/43	.....	06/15/2023	Paydown	.....	391,841	391,841	399,059	396,266	.....	(4,426)	.....	(4,426)	.....	391,841	.....	.....	.....	5,872	01/15/2037	1.A FE
..81745A-AB-3	SRFC 2019-2A A SEQ 2.590% 05/20/36	.....	06/01/2023	Paydown	.....	118,681	118,681	120,499	120,156	.....	(1,475)	.....	(1,475)	.....	118,681	.....	.....	.....	1,569	05/25/2043	1.A
..82652M-AA-8	SRFC 2019-2A A SEQ 2.590% 05/20/36 SRFC SERIES 2019-3A CLASS A 144A 2.340%	.....	06/20/2023	Paydown	.....	142,309	142,309	142,271	142,286	.....	24	.....	24	.....	142,309	.....	.....	.....	1,546	05/20/2036	1.A FE
..82652N-AA-6	SRFC 2018-2A A SEQ 3.500% 06/20/35	.....	06/20/2023	Paydown	.....	64,509	64,509	64,508	64,507	.....	1	.....	1	.....	64,509	.....	.....	.....	623	07/15/2038	1.A FE
..82653D-AA-7	SRFC 2018-2A A SEQ 3.500% 06/20/35	.....	06/20/2023	Paydown	.....	128,772	128,772	128,154	128,430	.....	342	.....	342	.....	128,772	.....	.....	.....	1,897	06/20/2035	1.A FE
..82653G-AA-0	SRFC 2018-3A A SEQ 3.690% 09/20/35 DELTA AIR LINES SKYMILES SERIES 144A 4.500%	.....	06/20/2023	Paydown Redemption 100.0000	.....	58,413	58,413	58,125	58,243	.....	170	.....	170	.....	58,413	.....	.....	.....	897	09/20/2035	1.A FE
..830867-AA-5	SMB 2017-B A2A SEQ 2.820% 10/15/35	.....	04/20/2023	.....	.....	136,000	136,000	136,000	136,000	.....	.....	.....	.....	.....	136,000	.....	.....	.....	3,060	10/20/2025	2.B FE
..83189D-AB-6	SOFI 2017-B A2FX SEQ 2.740% 05/25/40	.....	06/15/2023	Paydown	.....	87,142	87,142	84,842	86,149	.....	993	.....	993	.....	87,142	.....	.....	.....	1,003	10/15/2035	1.A FE
..83403Y-AB-0	SOFI 2017-B A2FX SEQ 2.740% 05/25/40	.....	06/25/2023	Paydown	.....	116,044	116,044	116,016	116,040	.....	4	.....	4	.....	116,044	.....	.....	.....	1,335	05/25/2040	1.A FE
..83404F-AC-8	SOFI 2017-A A2B SEQ 2.400% 03/26/40	.....	06/25/2023	Paydown	.....	73,980	73,980	72,988	73,867	.....	114	.....	114	.....	73,980	.....	.....	.....	746	03/26/2040	1.A FE
..83404K-AC-7	SOFI 2017-E A2B SEQ 2.720% 11/26/40	.....	06/25/2023	Paydown	.....	149,788	149,788	147,270	149,449	.....	339	.....	339	.....	149,788	.....	.....	.....	1,621	11/26/2040	1.A FE
..83404L-AC-5	SOFI 2016-D A2B SEQ 2.340% 04/25/33	.....	04/25/2023	Paydown	.....	270,538	270,538	267,548	269,739	.....	798	.....	798	.....	270,538	.....	.....	.....	2,110	04/25/2033	1.A FE
..83405D-AC-2	SOFI 2017-C A2B SEQ 2.630% 07/25/40	.....	06/25/2023	Paydown	.....	20,680	20,680	20,675	20,679	.....	2	.....	2	.....	20,680	.....	.....	.....	231	07/25/2040	1.A FE
..83406E-AC-9	SOFI 2018-A A2B SEQ 2.950% 02/25/42	.....	06/25/2023	Paydown	.....	197,085	197,085	194,565	196,278	.....	807	.....	807	.....	197,085	.....	.....	.....	2,417	02/25/2042	1.A FE
..857477-AL-7	STATE STREET CORP SUBORD 3.100% 05/15/23 STORE MASTER FUNDING LLC SERIES 2021-1A CLASS A1 144A 2.120% 06/20/51	.....	05/15/2023	Maturity	.....	4,650,000	4,650,000	4,642,467	4,649,678	.....	322	.....	322	.....	4,650,000	.....	.....	.....	72,075	05/15/2023	1.G FE
..86190B-AA-2	STORE MASTER FUNDING LLC SERIES 2021-1A CLASS A2 144A 2.960% 06/20/51	.....	06/20/2023	Paydown	.....	16,675	16,675	16,481	16,512	.....	163	.....	163	.....	16,675	.....	.....	.....	147	06/20/2051	1.A FE
..86190B-AB-0	SASC 2002-AL1 A3 AS CPT SEQ 3.450% 02/25/32	.....	06/20/2023	Paydown	.....	3,750	3,750	3,748	3,749	.....	2	.....	2	.....	3,750	.....	.....	.....	46	06/20/2051	1.A FE
..86358R-XZ-5	SASC 2005-2XS 2A1 XRESET FTV FLT DL 5.638%	.....	06/01/2023	Paydown	.....	12,399	25,941	17,417	17,417	.....	4,074	.....	4,074	.....	21,491	.....	(9,092)	(9,092)	337	02/25/2032	5.A Z
..86359B-2H-3	UNION PACIFIC RR 2014-1 PT CERTS 3.227% 05/14/26	.....	06/01/2023	Paydown Redemption 100.0000	.....	18,128	18,128	18,128	18,128	.....	.....	.....	.....	.....	18,128	.....	.....	.....	431	02/25/2035	1.A FM
..907825-AA-1	UNION PACIFIC RR 2015-1 PT CERTS 2.695% 05/12/27	.....	05/14/2023	Redemption 100.0000	.....	515,999	515,999	515,999	515,999	.....	.....	.....	.....	.....	515,999	.....	.....	.....	8,326	05/14/2026	1.D FE
..90782J-AA-1	VSTNA 2018-A A SEQ 3.560% 02/20/36	.....	05/12/2023	.....	.....	1,424,885	1,424,885	1,424,885	1,424,885	.....	.....	.....	.....	.....	1,424,885	.....	.....	.....	19,200	05/12/2027	1.D FE
..918286-AA-3	VSTNA 2017-A A SEQ 2.330% 03/20/35	.....	06/20/2023	Paydown	.....	200,713	200,713	203,920	202,810	.....	(2,097)	.....	(2,097)	.....	200,713	.....	.....	.....	2,979	02/20/2036	1.A FE
..918288-AA-9	VERUS SECURITIZATION TRUST SERIES 2021-2 CLASS A1 144A 1.031% 02/25/66	.....	06/20/2023	Paydown	.....	69,964	69,964	69,950	69,957	.....	7	.....	7	.....	69,964	.....	.....	.....	675	03/20/2035	1.A FE
..92538F-AA-2	VERUS SECURITIZATION TRUST SERIES 2021-2 CLASS A2 144A 1.288% 02/25/66	.....	06/01/2023	Paydown	.....	284,542	284,542	284,538	284,448	.....	94	.....	94	.....	284,542	.....	.....	.....	1,115	02/25/2066	1.A FE
..92538F-AB-0	VERUS SECURITIZATION TRUST SERIES 2022-7 CLASS A1 144A 5.152% 07/25/67	.....	06/01/2023	Paydown	.....	127,657	127,657	127,655	127,604	.....	54	.....	54	.....	127,657	.....	.....	.....	625	02/25/2066	1.B FE
..92539N-AA-4	WELLS FARGO & COMPANY SERIES MTN 6.680% 06/02/24	.....	06/01/2023	Paydown	.....	881,197	881,197	881,187	880,861	.....	336	.....	336	.....	881,197	.....	.....	.....	19,525	07/25/2067	1.A FE
..95000U-2R-3	WFCM 2017-C38 A4 SEQ 3.190% 07/15/50	.....	06/02/2023	Call 100.0000	.....	6,050,000	6,050,000	6,050,000	6,050,000	.....	.....	.....	.....	.....	6,050,000	.....	.....	.....	50,034	06/02/2024	2.A FE
..95001M-AE-0	CANADIAN IMPERIAL BANK 0.950% 06/23/23	.....	06/01/2023	Paydown	.....	249,542	249,542	252,027	250,239	.....	(697)	.....	(697)	.....	249,542	.....	.....	.....	3,980	07/15/2050	1.A
..13607G-RK-2		A.....	06/23/2023	Maturity		23,800,000	23,800,000	23,786,672	23,797,863		2,137		2,137		23,800,000				113,050	06/23/2023	1.F 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
..13645R-AV-6	CANADIAN PACIFIC RAILWAY SR UNSEC 4.800% 09/15/35	A.....	05/30/2023	JANE STREET EXECUTION SERVICES .....	.....	1,472,595	1,500,000	1,493,115	1,494,919	.....	122	.....	122	.....	1,495,041	.....	(22,446)	(22,446)	51,200	09/15/2035	2.B FE
..78015K-TG-3	ROYAL BANK OF CANADA SERIES GMTN 1.600% 04/17/23	A.....	04/17/2023	Maturity .....	.....	30,000,000	30,000,000	29,980,800	29,998,098	.....	1,902	.....	1,902	.....	30,000,000	.....	.....	.....	240,000	04/17/2023	1.E FE
..052113-AA-5	AUSGRID FINANCE PTY LTD SR SEC 3.850% 05/01/23	D.....	05/01/2023	Maturity .....	.....	8,000,000	8,000,000	7,995,680	7,999,688	.....	312	.....	312	.....	8,000,000	.....	.....	.....	154,000	05/01/2023	2.B FE
..055451-AV-0	BHP BILLITON FIN USA LTD CO.GUARNT 5.000% 09/30/43	D.....	05/30/2023	CITIGROUP GLOBAL MARKETS INC .....	.....	1,954,200	2,000,000	1,999,700	1,999,751	.....	3	.....	3	.....	1,999,754	.....	(45,554)	(45,554)	66,944	09/30/2043	1.F FE
..22535W-AE-7	CREDIT AGRICOLE LONDON SR UNSEC 3.750% 04/24/23	D.....	04/24/2023	Maturity .....	.....	6,650,000	6,650,000	6,626,592	6,648,420	.....	1,580	.....	1,580	.....	6,650,000	.....	.....	.....	124,688	04/24/2023	1.G FE
..23636A-AW-1	DANSKE BANK A S SERIES 144A 1.226% 06/22/24	D.....	06/22/2023	Call 100.0000 .....	.....	50,000,000	50,000,000	50,000,000	50,000,000	.....	.....	.....	.....	.....	50,000,000	.....	.....	.....	306,500	06/22/2024	1.E FE
..25243Y-AU-3	DIAGEO CAPITAL PLC CO.GUARNT 2.625% 04/29/23	D.....	04/29/2023	Maturity .....	.....	3,128,000	3,128,000	2,864,216	3,116,869	.....	8,213	.....	8,213	.....	3,125,082	.....	2,918	2,918	.....	04/29/2023	1.G FE
..43474T-AB-9	HOLCIM CAPITAL CORP CO.GUARNT 6.875% 09/29/39	D.....	05/19/2023	SEA PORT GROUP THE LLC Paydown .....	.....	2,551,750	2,500,000	2,535,775	2,528,811	.....	(370)	.....	(370)	.....	2,528,441	.....	23,309	23,309	111,719	09/29/2039	2.A FE
..75973F-AA-9	RENEW 2018-1 A SEQ 3.950% 09/20/53	D.....	06/20/2023	DEUTSCHE BANK SECURITIES INCOR .....	.....	35,592	35,592	35,581	35,581	.....	11	.....	11	.....	35,592	.....	.....	.....	718	09/20/2053	1.A FE
..87124V-AE-9	SYDNEY AIRPORT FINANCE SR SEC 3.375% 04/30/25	D.....	04/24/2023	WESTPAC INSTITN BNK AMERICAS .....	.....	27,961,997	28,850,000	28,633,243	28,791,349	.....	7,722	.....	7,722	.....	28,799,071	.....	(837,074)	(837,074)	476,025	04/30/2025	2.A FE
..87124V-AF-6	SYDNEY AIRPORT FINANCE SR SEC 3.625% 04/28/26	D.....	04/24/2023	.....	.....	8,486,368	8,800,000	8,795,600	8,798,360	.....	147	.....	147	.....	8,798,508	.....	(312,140)	(312,140)	157,728	04/28/2026	2.A FE
1109999999. Subtotal - Bonds - Industrial and Miscellaneous (Unaffiliated)						358,238,222	367,472,235	361,211,348	363,343,548	.....	143,637	2,954,282	(2,810,645)	.....	362,377,076	.....	(4,138,853)	(4,138,853)	5,635,649	XXX	XXX
..744320-AM-4	PRUDENTIAL FINANCIAL INC JR SUBORDINATED 5.625% 06/15/43 .....	.....	06/15/2023	Call 100.0000 .....	.....	5,000,002	5,000,000	4,999,700	5,000,012	.....	.....	.....	.....	.....	5,000,012	.....	(13)	(13)	140,625	06/15/2043	2.B FE
1309999999. Subtotal - Bonds - Hybrid Securities						5,000,002	5,000,000	4,999,700	5,000,012	.....	.....	.....	.....	.....	5,000,012	.....	(13)	(13)	140,625	XXX	XXX
2509999997. Total - Bonds - Part 4						384,900,961	396,185,219	390,210,629	392,221,414	.....	(17,453)	2,954,282	(2,971,735)	.....	391,094,215	.....	(6,193,256)	(6,193,256)	6,251,155	XXX	XXX
2509999998. Total - Bonds - Part 5						XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
2509999999. Total - Bonds						384,900,961	396,185,219	390,210,629	392,221,414	.....	(17,453)	2,954,282	(2,971,735)	.....	391,094,215	.....	(6,193,256)	(6,193,256)	6,251,155	XXX	XXX
4509999997. Total - Preferred Stocks - Part 4						.....	XXX	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	XXX	XXX
4509999998. Total - Preferred Stocks - Part 5						XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
4509999999. Total - Preferred Stocks						.....	XXX	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	XXX	XXX
5989999997. Total - Common Stocks - Part 4						.....	XXX	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	XXX	XXX
5989999998. Total - Common Stocks - Part 5						XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
5989999999. Total - Common Stocks						.....	XXX	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	XXX	XXX
5999999999. Total - Preferred and Common Stocks						.....	XXX	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	XXX	XXX
6009999999 - Totals						384,900,961	XXX	390,210,629	392,221,414	.....	(17,453)	2,954,282	(2,971,735)	.....	391,094,215	.....	(6,193,256)	(6,193,256)	6,251,155	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 .....	.....	.....	.....	.....	..... (14,913)	 (18,174)	 (24,363)	..XXX.
Citibank, N.A. New York, NY .....	.....	.....	.....	.....	9,921,210	6,483,095	5,007,614	..XXX.
Harris, N.A. Chicago, IL .....	.....	.....	.....	.....	58,030	94,717	92,252	..XXX.
JPMorgan Chase Bank, N.A. New York, NY .....	.....	.....	.....	.....	30,000	30,000	30,000	..XXX.
The Northern Trust Company ... Chicago, IL .....	.....	.....	.....	.....	20,000	20,000	20,000	..XXX.
Wells Fargo, N.A. Philadelphia, PA .....	.....	.....	.....	.....	(19,117,901)	(5,123,987)	(9,617,579)	..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			(9,103,574)	1,485,651	(4,492,076)	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			(9,103,574)	1,485,651	(4,492,076)	XXX
0499999. Cash in Company's Office	XXX	XXX	XXX	XXX				XXX
.....								
.....								
.....								
.....								
.....								
.....								
0599999. Total - Cash	XXX	XXX			(9,103,574)	1,485,651	(4,492,076)	XXX

SCHEDULE E - PART 2 - CASH EQUIVALENTS

[illegible]