

QUARTERLY STATEMENT

OF THE

TIAA-CREF LIFE INSURANCE COMPANY

TO THE

Insurance Department

OF THE

STATE OF

FOR THE QUARTER ENDED
SEPTEMBER 30, 2023

☐ LIFE, ACCIDENT AND HEALTH

☐ FRATERNAL BENEFIT SOCIETIES

2023



QUARTERLY STATEMENT

AS OF SEPTEMBER 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
(E-mail Address) (FAX Number)

OFFICERS

President & Chief Executive Officer Mohammad Ali Iqbal # Vice President & Chief Financial Officer Stacy Koon Eisenhauer

Secretary Wayne Aggrey Agard Senior Vice President, Chief Actuary and Appointed Actuary Keith Elliot Floman

OTHER

Christopher John Heald, Vice President & Treasurer

DIRECTORS OR TRUSTEES

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

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.

Mohammad Ali Iqbal Wayne Aggrey Agard Stacy Koon Eisenhauer
President & Chief Executive Officer Secretary Vice President & Chief Financial Officer

Subscribed and sworn to before me this 25th day of October, 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 SEPTEMBER 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	13,201,744,473		13,201,744,473	13,355,204,676
2. Stocks:				
2.1 Preferred stocks	9,347,592		9,347,592	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 (\$ 4,920,300), cash equivalents (\$ 57,394,346) and short-term investments (\$)	62,314,646		62,314,646	97,648,359
6. Contract loans (including \$ premium notes)	62,903,470		62,903,470	48,211,031
7. Derivatives				
8. Other invested assets	4,602,410		4,602,410	4,621,050
9. Receivables for securities	3,763,251		3,763,251	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)	13,344,675,841		13,344,675,841	13,515,130,000
13. Title plants less \$ charged off (for Title insurers only)				
14. Investment income due and accrued	104,043,737		104,043,737	100,957,535
15. Premiums and considerations:				
15.1 Uncollected premiums and agents' balances in the course of collection	1,560,058		1,560,058	1,799,612
15.2 Deferred premiums, agents' balances and installments booked but deferred and not yet due (including \$ earned but unbilled premiums)	45,813,157	27,338,457	18,474,700	18,820,258
15.3 Accrued retrospective premiums (\$) and contracts subject to redetermination (\$)				
16. Reinsurance:				
16.1 Amounts recoverable from reinsurers	7,238,614		7,238,614	7,185,658
16.2 Funds held by or deposited with reinsured companies				
16.3 Other amounts receivable under reinsurance contracts	3,062,472		3,062,472	1,343,089
17. Amounts receivable relating to uninsured plans				
18.1 Current federal and foreign income tax recoverable and interest thereon	6,167,313		6,167,313	
18.2 Net deferred tax asset	50,341,929	35,518,632	14,823,297	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	664,801	3,319	661,482	4,633,900
26. Total assets excluding Separate Accounts, Segregated Accounts and Protected Cell Accounts (Lines 12 to 25)	13,563,659,575	62,860,408	13,500,799,167	13,666,261,733
27. From Separate Accounts, Segregated Accounts and Protected Cell Accounts	4,106,635,197		4,106,635,197	3,966,298,395
28. Total (Lines 26 and 27)	17,670,294,772	62,860,408	17,607,434,364	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	664,801	3,319	661,482	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)	664,801	3,319	661,482	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.

LIABILITIES, SURPLUS AND OTHER FUNDS

	1 Current Statement Date	2 December 31 Prior Year
1. Aggregate reserve for life contracts \$ 3,662,147,326 less \$ included in Line 6.3 (including \$ 244,100,255 Modco Reserve)	3,662,147,326	3,798,526,511
2. Aggregate reserve for accident and health contracts (including \$ Modco Reserve)		
3. Liability for deposit-type contracts (including \$ Modco Reserve).....	8,817,742,758	8,801,779,581
4. Contract claims:		
4.1 Life	11,984,965	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	90,261	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 \$ 10,861,215 ceded	10,861,215	7,630,194
9.4 Interest Maintenance Reserve	20,632,569	46,736,127
10. Commissions to agents due or accrued-life and annuity contracts \$ 265,514 , accident and health \$ and deposit-type contract funds \$	265,514	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 \$ (2,624,252) accrued for expense allowances recognized in reserves, net of reinsured allowances)	(4,904,539)	(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	3,557,882	1,161,618
18. Amounts held for agents' account, including \$ agents' credit balances		
19. Remittances and items not allocated	10,518,052	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	87,202,324	77,800,975
24.02 Reinsurance in unauthorized and certified (\$) companies	5,969,975	6,990,144
24.03 Funds held under reinsurance treaties with unauthorized and certified (\$) reinsurers		
24.04 Payable to parent, subsidiaries and affiliates	13,368,338	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	52,337,934	91,657
24.10 Payable for securities lending		
24.11 Capital notes \$ and interest thereon \$		
25. Aggregate write-ins for liabilities	1,934,929	1,284,245
26. Total liabilities excluding Separate Accounts business (Lines 1 to 25)	12,693,709,501	12,780,668,033
27. From Separate Accounts Statement	4,094,706,577	3,954,476,291
28. Total liabilities (Lines 26 and 27)	16,788,416,078	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)	39,018,286	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 \$ 11,928,619 in Separate Accounts Statement)	816,518,286	894,915,804
38. Totals of Lines 29, 30 and 37	819,018,286	897,415,804
39. Totals of Lines 28 and 38 (Page 2, Line 28, Col. 3)	17,607,434,364	17,632,560,128
DETAILS OF WRITE-INS		
2501. Miscellaneous liabilities	1,934,929	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)	1,934,929	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 SEPTEMBER 30, 2023 OF THE TIAA-CREF LIFE INSURANCE COMPANY

SUMMARY OF OPERATIONS

	1	2	3
	Current Year To Date	Prior Year To Date	Prior Year Ended December 31
1. Premiums and annuity considerations for life and accident and health contracts	164,363,383	193,019,502	260,202,721
2. Considerations for supplementary contracts with life contingencies	2,133,885	1,280,735	1,917,505
3. Net investment income	325,367,313	293,090,370	398,218,580
4. Amortization of Interest Maintenance Reserve (IMR)	2,760,745	4,933,692	6,266,795
5. Separate Accounts net gain from operations excluding unrealized gains or losses	(29,206)	1,296,757	1,408,448
6. Commissions and expense allowances on reinsurance ceded	4,520,043	5,040,535	7,410,349
7. Reserve adjustments on reinsurance ceded	(23,684,490)	(7,492,127)	(11,452,786)
8. Miscellaneous Income:			
8.1 Income from fees associated with investment management, administration and contract guarantees from Separate Accounts.....	13,685,176	14,653,350	19,137,455
8.2 Charges and fees for deposit-type contracts			
8.3 Aggregate write-ins for miscellaneous income	1,093,958	270,857	513,493
9. Totals (Lines 1 to 8.3)	490,210,808	506,093,671	683,622,560
10. Death benefits	32,724,237	23,993,843	29,749,912
11. Matured endowments (excluding guaranteed annual pure endowments)			
12. Annuity benefits	85,333,233	74,640,722	94,644,330
13. Disability benefits and benefits under accident and health contracts	485,018	414,487	565,276
14. Coupons, guaranteed annual pure endowments and similar benefits			
15. Surrender benefits and withdrawals for life contracts	280,225,202	157,352,481	228,804,964
16. Group conversions			
17. Interest and adjustments on contract or deposit-type contract funds	170,868,464	71,051,769	98,778,294
18. Payments on supplementary contracts with life contingencies	735,457	628,654	850,308
19. Increase in aggregate reserves for life and accident and health contracts	(136,379,186)	16,427,492	3,236,935
20. Totals (Lines 10 to 19)	433,992,425	344,509,448	456,630,019
21. Commissions on premiums, annuity considerations, and deposit-type contract funds (direct business only)	2,306,783	2,968,387	4,209,113
22. Commissions and expense allowances on reinsurance assumed			
23. General insurance expenses and fraternal expenses	53,839,985	51,134,047	67,389,879
24. Insurance taxes, licenses and fees, excluding federal income taxes	4,730,168	4,453,829	6,652,857
25. Increase in loading on deferred and uncollected premiums	2,431,379	2,480,428	3,822,409
26. Net transfers to or (from) Separate Accounts net of reinsurance	(108,529,309)	(64,046,449)	(77,274,059)
27. Aggregate write-ins for deductions	44,850,360	33,768,047	39,893,340
28. Totals (Lines 20 to 27)	433,621,791	375,267,737	501,323,558
29. Net gain from operations before dividends to policyholders and federal income taxes (Line 9 minus Line 28)	56,589,017	130,825,934	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)	56,589,017	130,825,934	182,299,002
32. Federal and foreign income taxes incurred (excluding tax on capital gains)	10,461,315	23,150,177	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)	46,127,702	107,675,757	147,518,879
34. Net realized capital gains (losses) (excluding gains (losses) transferred to the IMR) less capital gains tax of \$(45,576) (excluding taxes of \$ (6,205,052) transferred to the IMR)	53,877	(711,378)	(842,045)
35. Net income (Line 33 plus Line 34)	46,181,579	106,964,379	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)	46,181,579	106,964,379	146,676,834
38. Change in net unrealized capital gains (losses) less capital gains tax of \$6,030	(34,746)	(114,309)	(825,237)
39. Change in net unrealized foreign exchange capital gain (loss)			
40. Change in net deferred income tax	(8,843)	(2,701,265)	(1,282,354)
41. Change in nonadmitted assets	1,809,952	3,025,021	3,683,895
42. Change in liability for reinsurance in unauthorized and certified companies	1,020,169	6,889,898	5,260,395
43. Change in reserve on account of change in valuation basis, (increase) or decrease			
44. Change in asset valuation reserve	(9,401,350)	(5,748,922)	(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	135,721	(9,684,382)	(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)	(78,397,518)	14,730,420	55,759,203
55. Capital and surplus, as of statement date (Lines 36 + 54)	819,018,286	856,387,021	897,415,804
DETAILS OF WRITE-INS			
08.301. Miscellaneous income	1,093,958	270,857	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)	1,093,958	270,857	513,493
2701. Miscellaneous deductions	44,850,360	33,768,047	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)	44,850,360	33,768,047	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 SEPTEMBER 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	164,979,936	194,119,144	263,068,359
2. Net investment income	316,091,275	281,191,514	384,535,847
3. Miscellaneous income	19,299,178	19,964,742	27,061,297
4. Total (Lines 1 to 3)	500,370,388	495,275,400	674,665,503
5. Benefit and loss related payments	463,576,521	281,499,449	403,507,354
6. Net transfers to Separate Accounts, Segregated Accounts and Protected Cell Accounts	(106,336,485)	(64,938,355)	(82,172,034)
7. Commissions, expenses paid and aggregate write-ins for deductions	61,001,051	58,104,798	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)	15,411,178	30,702,027	40,212,833
10. Total (Lines 5 through 9)	433,652,265	305,367,919	439,299,442
11. Net cash from operations (Line 4 minus Line 10)	66,718,124	189,907,481	235,366,061
Cash from Investments			
12. Proceeds from investments sold, matured or repaid:			
12.1 Bonds	814,044,219	1,867,843,116	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	19,248	(769)	27,314
12.7 Miscellaneous proceeds	52,246,277	42,372,863	5,967,798
12.8 Total investment proceeds (Lines 12.1 to 12.7)	866,309,744	1,910,215,210	2,016,812,168
13. Cost of investments acquired (long-term only):			
13.1 Bonds	683,934,352	2,750,936,942	2,907,564,910
13.2 Stocks			
13.3 Mortgage loans			
13.4 Real estate			
13.5 Other invested assets			
13.6 Miscellaneous applications	3,839,167		
13.7 Total investments acquired (Lines 13.1 to 13.6)	687,773,519	2,750,936,942	2,907,564,910
14. Net increase (or decrease) in contract loans and premium notes	14,692,439	2,824,274	3,371,768
15. Net cash from investments (Line 12.8 minus Line 13.7 and Line 14)	163,843,786	(843,546,006)	(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		4,000,000	
16.4 Net deposits on deposit-type contracts and other insurance liabilities	(153,633,626)	625,991,145	677,713,387
16.5 Dividends to stockholders	118,100,000	83,900,000	83,900,000
16.6 Other cash provided (applied)	5,838,003	(7,397,173)	(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)	(265,895,622)	538,693,972	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) .	(35,333,713)	(114,944,553)	(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)	62,314,646	50,955,130	97,648,359
Note: Supplemental disclosures of cash flow information for non-cash transactions:			
20.0001. Exchange/restructure/transfer of bond investments	102,207,037	46,121,122	152,151,659
20.0002. Capitalized interest	1,979,555	2,115,330	2,795,586
20.0003. Interest credited on deposit type contracts	170,246,730	70,550,187	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	113,057,754	131,640,342	175,923,147
3. Ordinary individual annuities	78,074,777	89,535,934	120,271,387
4. Credit life (group and individual)			
5. Group life insurance	28,140,853	31,212,021	44,006,861
6. Group annuities			
7. A & H - group			
8. A & H - credit (group and individual)			
9. A & H - other	5,027,483	5,180,075	6,709,539
10. Aggregate of all other lines of business			
11. Subtotal (Lines 1 through 10)	224,300,868	257,568,372	346,910,934
12. Fraternal (Fraternal Benefit Societies Only)			
13. Subtotal (Lines 11 through 12)	224,300,868	257,568,372	346,910,934
14. Deposit-type contracts	873,960,127	1,728,685,776	2,059,411,381
15. Total (Lines 13 and 14)	1,098,260,995	1,986,254,148	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	09/30/2023	12/31/2022
Net Income (loss), New York SAP				\$ 46,181,579	\$ 146,676,834
New York SAP Prescribed Practices that are an increase/(decrease) from NAIC SAP:					
Additional Reserves for Term Conversions	51R	4	19	568,257	(18,895)
Additional Reserves for Variable Annuities	51R	4	19	25,284	(10,080)
Net Income (loss), NAIC SAP				<u>\$ 45,588,038</u>	<u>\$ 146,705,809</u>
Capital and Surplus, New York SAP				\$ 819,018,286	\$ 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	(552,807)	(589,327)
Additional Reserves for Term Conversions	51R	3	1	(5,549,996)	(6,118,253)
Additional Reserves for Variable Annuities	51R	3	1	(11,455)	(36,739)
Capital and Surplus, NAIC SAP				<u>\$ 825,132,544</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 September 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 September 2023, the NAIC adopted certain accounting practices within Interpretation 2023-02, Third Quarter 2023 Reporting of the Inflation Act (the "Act") - Corporate Alternative Minimum Tax ("CAMT") ("INT 23-02"). The Act imposes a CAMT to the excess of 15% of a corporation's adjusted financial statement income over its corporate alternative minimum foreign tax credit. INT 23-02 addresses the third 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 September 30, 2023, a reasonable estimate is not determinable for third quarter 2023 financial statements for the calculations impacted by the CAMT. INT 23-02 specifies that reporting entities shall not recognize impacts related to CAMT 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.

In September 2023, the NAIC adopted Interpretation 2023-03, Inflation Reduction Act - Corporate Alternative Minimum Tax ("INT 23-03") to provide CAMT adoption guidance. The interpretation provides guidance for CAMT reporting on or after year-end 2023 and includes accounting, the statutory valuation allowance, admissibility, and transition. The Company is still evaluating the impact of the adoption of the CAMT.

In September 2023, the NAIC adopted revisions to SSAP No. 43R, Loan-Backed and Structured Securities, and SSAP No. 48, Joint Ventures, Partnerships and Limited Liability Companies, to clarify the scope and reporting for investment structures that represent residual interests or a residual security tranche (collectively referred to as residuals). The revisions are effective for year-end December 31, 2023. The Company is still evaluating the impact of the adoption of these revisions.

In August 2023, the NAIC adopted revisions to SSAP 26R, SSAP 43R, and other SSAPs as part of the principles-based bond definition project. These revisions incorporate principle concepts on what should be reported as a long-term bond, and the accounting and reporting guidance for such bonds. Eligible bonds must qualify as either an issuer credit obligation or an asset backed security. The revisions are effective January 1, 2025. Investments that were reported as a bond on Schedule D-1: Long-Term Bonds as of December 31, 2024, that do not qualify under the principle-based bond concepts shall be reported as a disposal from that schedule, with a reacquisition on the appropriate reporting schedule as of January 1, 2025. The Company is still evaluating the impact of the adoption of the principles-based bond definition.

In August 2023, the NAIC adopted revisions to clarify how paid-in-kind ("PIK") interest is calculated for relevant disclosures. The revisions also provide a practical expedient for determining the PIK interest in the cumulative balance by subtracting the original principal or par value from the current principal or par value. The guidance is effective for 2023 year-end reporting. The adoption is not expected to have a material impact to the financial statements.

NOTES TO FINANCIAL STATEMENTS

In August 2023, the NAIC adopted Interpretation 23-01, Net Negative (Disallowed) Interest Maintenance Reserves ("INT 23-01"), which provides a temporary option to allow reporting entities with risk-based capital ("RBC") greater than 300% of authorized control level (after certain adjustments) to admit net negative IMR. This admittance of net negative (disallowed) IMR is limited to 10% of adjusted capital and surplus. INT 23-01 also includes guidance on the accounting for losses from fair value derivatives and negative IMR at separate accounts, and specific reporting and disclosure requirements. INT 23-01 is effective until December 31, 2025. The Company adopted INT 23-01 and it did not have a material impact to the financial statements.

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 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.

Corrections of Errors

No material corrections

3. Business Combinations and Goodwill

Not applicable

4. Discontinued Operations

Not applicable

5. Investments

A. Mortgage Loans

Not applicable

B. Debt Restructuring

Not applicable

C. Reverse Mortgages

Not applicable

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 September 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 September 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	\$	4,408,775
2.	12 Months or Longer	\$	236,447,681

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

1.	Less than 12 Months	\$	113,386,933
2.	12 Months or Longer	\$	1,263,516,975

(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.

NOTES TO FINANCIAL STATEMENTS

E. Dollar Repurchase Agreements and/or Securities Lending Transactions

Not applicable

F. Repurchase Agreements Transactions Accounted for as Secured Borrowing

Not applicable

G. Reverse Repurchase Agreements Transactions Accounted for as Secured Borrowing

Not applicable

H. Repurchase Agreements Transactions Accounted for as a Sale

Not applicable

I. Reverse Repurchase Agreements Transactions Accounted for as a Sale

Not applicable

J. Real Estate

Not applicable

K. Low Income Housing Tax Credits (“LIHTC”)

Not applicable

L. Restricted Assets

No material change

M. Working Capital Financial Investments

Not applicable

N. Offsetting and Netting of Assets and Liabilities

Not applicable

O. 5GI Securities

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

NOTES TO FINANCIAL STATEMENTS

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 23-02, 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 third 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 ended June 30, 2023.

(E) - (M) No material change

14. Liabilities, Contingencies and Assessments

No material change

15. Leases

Not applicable

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

Not applicable

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

Not applicable

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

Not applicable

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

Not applicable

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

NOTES TO FINANCIAL STATEMENTS

instruments with comparable terms and credit quality. In instances where there is little or no market activity for the same or similar instruments, the Company estimates fair value using methods, models and assumptions that management believes market participants would use to determine a current transaction price. These valuation techniques involve management estimation and judgment for many factors including market bid/ask spreads, and such estimations may become significant with increasingly complex instruments or pricing models.

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

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

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

Level 2 inputs include:

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

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

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

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

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

	Level 1	Level 2	Level 3	Net Asset Value (NAV)	Total
Assets at fair value:					
Preferred stock	\$ 947,592	\$ —	\$ —	\$ —	\$ 947,592
Separate account assets	4,095,698,541	10,936,656	—	—	4,106,635,197
Total assets at fair value	<u>\$ 4,096,646,133</u>	<u>\$ 10,936,656</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ 4,107,582,789</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 September 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 September 30, 2023. The following is a summary of the

NOTES TO FINANCIAL STATEMENTS

valuation techniques and inputs used in the fair value measurements for all financial instruments, including those assets and liabilities carried at fair value in the Company's statement of financial position.

Level 1 financial instruments

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

Level 2 financial instruments

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

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

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

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

Cash 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.

NOTES TO FINANCIAL STATEMENTS

C. Aggregate fair value for all financial instruments:

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

	Aggregate Fair Value	Admitted Assets	Level 1	Level 2	Level 3	Net Asset Value (NAV)	Not Practicable (Carrying Value)
Assets:							
Bonds	\$11,206,536,680	\$13,201,744,473	\$ —	\$11,202,041,220	\$ 4,495,460	\$ —	\$ —
Preferred stock	7,213,992	9,347,592	947,592	6,266,400	—	—	—
Other invested assets	4,667,068	4,602,410	—	4,667,068	—	—	—
Separate account assets	4,106,635,197	4,106,635,197	4,095,698,541	10,936,656	—	—	—
Contract loans	62,903,470	62,903,470	—	—	62,903,470	—	—
Cash, cash equivalents & short term investments	62,323,056	62,314,646	4,920,300	57,402,756	—	—	—
Total	<u>\$15,450,279,463</u>	<u>\$17,447,547,788</u>	<u>\$4,101,566,433</u>	<u>\$11,281,314,100</u>	<u>\$ 67,398,930</u>	<u>\$ —</u>	<u>\$ —</u>
Liabilities:	Aggregate Fair Value	Liabilities	Level 1	Level 2	Level 3	Net Asset Value (NAV)	Not Practicable (Carrying Value)
Deposit-type contracts	\$ 8,817,742,758	\$ 8,817,742,758	\$ —	\$ —	\$8,817,742,758	\$ —	\$ —
Separate account liabilities	4,094,706,577	4,094,706,577	—	—	4,094,706,577	—	—
Total	<u>\$12,912,449,335</u>	<u>\$12,912,449,335</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$12,912,449,335</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 November 8, 2023 for the statutory statement issued on November 8, 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

27. Structured Settlements

Not applicable

28. Health Care Receivables

Not applicable

29. Participating Policies

Not applicable

30. Premium Deficiency Reserves

Not applicable

31. Reserves for Life Contracts and Annuity Contracts

No material change

NOTES TO FINANCIAL STATEMENTS

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

No material change

33. Analysis of Life Actuarial Reserves by Withdrawal Characteristics

No material change

34. Premiums and Annuity Considerations Deferred and Uncollected

No material change

35. Separate Accounts

No material change

36. Loss/Claims Adjustment Expense

No material change

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

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 Trust, N.A.	Charlotte, NC		YES		
TIAA-CREF Individual & Institutional Services, LLC	New York, NY				YES
Nuveen Securities, LLC	Chicago, Illinois				YES

GENERAL INTERROGATORIES

9.1

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

Yes [X] No []

9.11

If the response to 9.1 is No, please explain:
.....

9.2

Has the code of ethics for senior managers been amended?

Yes [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 September 30, 2023, the statement value of the assets on deposit with states is \$3,212,445.

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 SEPTEMBER 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

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

STATEMENT AS OF SEPTEMBER 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.			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	Active Status (a)							
1. Alabama	AL	L	2,650,640	4,998,982	94,282		7,743,904	274,559
2. Alaska	AK	L	90,906	848,292			939,198	
3. Arizona	AZ	L	2,644,803	293,670	68,887		3,007,360	310,239
4. Arkansas	AR	L	514,123	5,201	17,580		536,904	723,089
5. California	CA	L	12,880,041	6,065,896	187,742		19,133,679	299,485,312
6. Colorado	CO	L	2,367,582	409,586			2,777,168	91,915,158
7. Connecticut	CT	L	2,967,732	2,313,773	98,377		5,379,882	136,563
8. Delaware	DE	L	2,106,845	244,177	31,422		2,382,444	
9. District of Columbia	DC	L	994,554	337,137	76,415		1,408,106	
10. Florida	FL	L	6,873,183	4,395,171	728,197		11,996,551	6,598,218
11. Georgia	GA	L	3,730,880	1,044,354	157,446		4,932,680	107,577,589
12. Hawaii	HI	L	530,138	375,437	8,661		914,236	365,474
13. Idaho	ID	L	223,214	5,400	25,918		254,532	
14. Illinois	IL	L	4,409,856	3,248,320	112,941		7,771,117	4,787,196
15. Indiana	IN	L	2,053,992	759,549	97,943		2,911,484	245,983
16. Iowa	IA	L	2,046,165	1,150,030	49,390		3,245,585	560,157
17. Kansas	KS	L	628,552	47,225	21,054		696,831	529,819
18. Kentucky	KY	L	757,285	308,528	6,204		1,072,017	
19. Louisiana	LA	L	619,854	4,865			624,719	
20. Maine	ME	L	817,752	336,620	18,398		1,172,770	201,025
21. Maryland	MD	L	3,569,503	2,008,938	216,402		5,794,843	2,271,244
22. Massachusetts	MA	L	6,497,170	5,555,534	325,934		12,378,638	874,183
23. Michigan	MI	L	4,507,746	1,157,530	197,605		5,862,881	175,153,711
24. Minnesota	MN	L	3,052,364	100,657	46,996		3,200,017	35,042,728
25. Mississippi	MS	L	141,587	7,423			149,010	6,784,160
26. Missouri	MO	L	2,702,992	2,755,613	70,926		5,529,531	637,542
27. Montana	MT	L	169,463	334,694			504,157	186,265
28. Nebraska	NE	L	1,824,558	13,791	12,711		1,851,060	
29. Nevada	NV	L	548,834	894,928	27,432		1,471,194	341,867
30. New Hampshire	NH	L	866,770	98,930			965,700	
31. New Jersey	NJ	L	6,820,520	6,580,441	158,927		13,559,888	935,329
32. New Mexico	NM	L	406,405	121,760			528,165	
33. New York	NY	L	18,413,863	7,407,122	889,498		26,710,483	7,680,242
34. North Carolina	NC	L	4,714,483	5,497,184	72,339		10,284,006	882,570
35. North Dakota	ND	L	143,558	14,250			157,808	
36. Ohio	OH	L	2,934,416	1,136,307	127,357		4,198,080	2,014,602
37. Oklahoma	OK	L	923,036	1,307,212	43,576		2,273,824	23,619,272
38. Oregon	OR	L	1,094,872	142,445	65,105		1,302,422	148,544
39. Pennsylvania	PA	L	8,788,879	2,643,831	349,522		11,782,232	1,073,247
40. Rhode Island	RI	L	916,166	1,431,002	48,602		2,395,770	934,965
41. South Carolina	SC	L	1,059,349	1,540,763	49,918		2,650,030	
42. South Dakota	SD	L	1,199,265	1,800			1,201,065	
43. Tennessee	TN	L	1,851,455	1,515,383	43,146		3,409,984	129,108
44. Texas	TX	L	5,582,458	4,785,031	53,145		10,420,634	329,221
45. Utah	UT	L	1,073,958	579,080	5,090		1,658,128	756,718
46. Vermont	VT	L	685,408	20,042	29,568		735,018	13,296,873
47. Virginia	VA	L	5,059,443	1,651,992	143,901		6,855,336	2,387,125
48. Washington	WA	L	3,798,857	760,537	80,119		4,639,513	437,123
49. West Virginia	WV	L	468,681	76,585	50,988		596,253	
50. Wisconsin	WI	L	1,393,983	725,759	112,173		2,231,915	83,361,419
51. Wyoming	WY	L	152,181	16,000	5,647		173,827	
52. American Samoa	AS	N						
53. Guam	GU	N						
54. Puerto Rico	PR	N	87,282				87,282	
55. U.S. Virgin Islands	VI	N	17,311				17,311	
56. Northern Mariana Islands	MP	N						
57. Canada	CAN	N						
58. Aggregate Other Aliens	OT	XXX	9,681				9,681	
59. Subtotal	XXX		141,384,590	78,074,777	5,027,483		224,486,850	872,988,439
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		485,018				485,018	
94. Aggregate or other amounts not allocable by State	XXX							
95. Totals (Direct Business)	XXX		141,869,608	78,074,777	5,027,483		224,971,868	872,988,439
96. Plus Reinsurance Assumed	XXX							
97. Totals (All Business)	XXX		141,869,608	78,074,777	5,027,483		224,971,868	872,988,439
98. Less Reinsurance Ceded	XXX		54,910,001		5,027,483		59,937,484	
99. Totals (All Business) less Reinsurance Ceded	XXX		86,959,607	78,074,777			165,034,384	872,988,439
DETAILS OF WRITE-INS								
58001. ZZZ Other Alien	XXX		9,681				9,681	
58002.	XXX							
58003.	XXX							
58998. Summary of remaining write-ins for Line 58 from overflow page	XXX							
58999. Totals (Lines 58001 through 58003 plus 58998)(Line 58 above)	XXX		9,681				9,681	
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.....

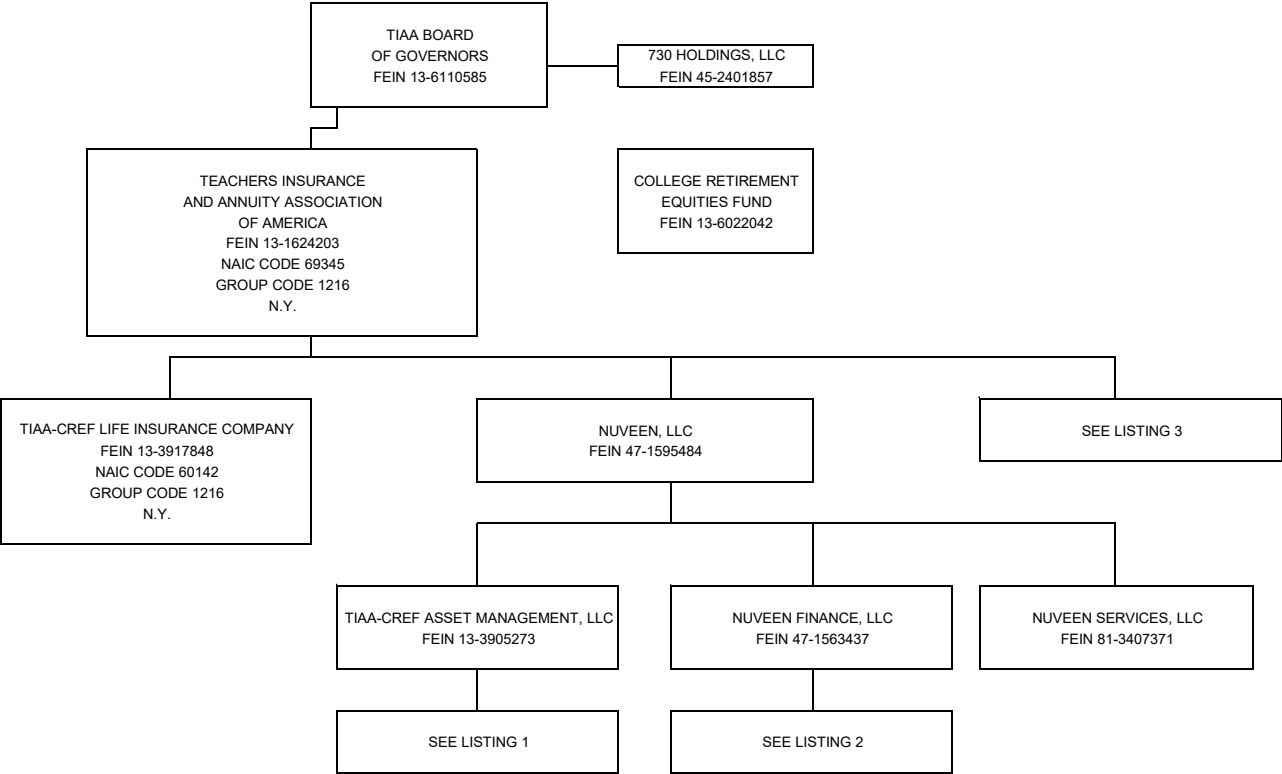
3. E - Eligible - Reporting entities eligible or approved to write surplus lines in the state.....

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.

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

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

COMPANY	FEIN	RELATIONSHIP
L&C Special Member Holdco, LLC	81-1272900	SUBSIDIARY
GTR Special Member Holdco LLC	46-3889185	SUBSIDIARY
TIAA International GP LLC	81-4374969	SUBSIDIARY
TIAA-CREF Investment Management, LLC	13-3586142	SUBSIDIARY
Nuveen Alternative Holdings, LLC	46-3870972	SUBSIDIARY
AGR Partners LLC	81-1467545	SUBSIDIARY
AGR Ag Infrastructure GP, LLC	86-3201384	SUBSIDIARY
AGR Services LLC	36-4853278	SUBSIDIARY
AGR Special Opportunities GP, LLC	85-2581992	SUBSIDIARY
Nuveen Agribusiness Fund III GP, LLC	83-4328253	SUBSIDIARY
Nuveen Agribusiness Fund III, LP	83-4307097	SUBSIDIARY
TGAM Agribusiness Fund GP, LLC	81-1870559	SUBSIDIARY
AGR Services LLC	36-4853278	SUBSIDIARY
CAM HR Resources LLC	36-4851864	SUBSIDIARY
Global AG AIV (CN) GP, LLC	46-3870972	SUBSIDIARY
Global Agriculture AIV (CN), LP	45-5044681	SUBSIDIARY
Global Ag II AIV GP, LLC	47-1192644	SUBSIDIARY
Global Agriculture II AIV, LP	47-1197292	SUBSIDIARY
GTR Investor Fund GP, LLC	47-1208361	SUBSIDIARY
NAP Investors GP, LLC	83-2245173	SUBSIDIARY
NCBDC Holdings LLC		SUBSIDIARY
Churchill DLC Advisor LLC		SUBSIDIARY
NGC Master HoldCo LLC	88-1590237	SUBSIDIARY
NGC Senior Master Holdco LLC	88-3758314	SUBSIDIARY
NGTF GP, LLC	47-5515604	SUBSIDIARY
Nuveen Alternatives Advisors, LLC	45-4288013	SUBSIDIARY
Churchill Fund III GP, LLC		SUBSIDIARY
Nuveen Churchill Direct Lending Corp.		SUBSIDIARY
TPS Investors GP, LLC	82-1917856	SUBSIDIARY
Nuveen Alternatives Services, LLC	45-4288091	SUBSIDIARY
GAP II NZ GP Limited		SUBSIDIARY
TIAA European Farmland Fund GP LP	98-1310748	SUBSIDIARY
TCAS Global Investments LLC	47-1515836	SUBSIDIARY
Nuveen CP Holdings 1 LLC	86-3136043	SUBSIDIARY
Nuveen CP Holdings 2 LLC	86-3147529	SUBSIDIARY
Nuveen CP LLC	47-5515604	SUBSIDIARY
Greenworks Lending LLC	47-3234364	SUBSIDIARY
PACEwell 1 LLC	35-2597261	SUBSIDIARY
PACEwell 4 LLC	87-1326451	SUBSIDIARY
PACEwell 5 Depositor LLC	87-3650389	SUBSIDIARY
PACEwell 5 LLC	87-3649844	SUBSIDIARY
PACEwell 6 Depositor LLC	92-0681712	SUBSIDIARY
PACEwell 6 LLC	88-4182935	SUBSIDIARY
PACEwell 7 LLC	92-2105847	SUBSIDIARY
PACEwell 8 LLC	92-2080938	SUBSIDIARY
PACEwell 9 LLC	93-2177174	SUBSIDIARY
PACEwell 10 LLC	93-3609614	SUBSIDIARY
NGC P 1 LLC	93-3532558	SUBSIDIARY
NGC TT 1 LLC	92-0315265	SUBSIDIARY
PACE Financial Servicing LLC	46-4989151	SUBSIDIARY
Nuveen CPACE Lending GP, LLC	93-1847737	SUBSIDIARY
Nuveen EIC Administration LLC	93-1778449	SUBSIDIARY

COMPANY	FEIN	RELATIONSHIP
Nuveen Alternative Holdings, LLC (continued)		
Nuveen Global Farmland Fund GP, LLC	84-1819349	SUBSIDIARY
Nuveen Global Farmland Fund Lux GP S.à r.l.	98-1633974	SUBSIDIARY
Nuveen Global Impact Fund GP, LLC	84-5180164	SUBSIDIARY
Nuveen Global Impact Fund Lux GP S.à r.l.		SUBSIDIARY
Nuveen International Holdings LLC	26-2719001	SUBSIDIARY
Nuveen Canada Company		SUBSIDIARY
Nuveen Japan Co., Limited		SUBSIDIARY
Nuveen Korea Co., Ltd.		SUBSIDIARY
TGAM Subsidiary HC LLC	81-4349631	SUBSIDIARY
TGAM APAC LLC	81-4290269	SUBSIDIARY
TGAM HK HC LLC	81-4323796	SUBSIDIARY
Nuveen Hong Kong Limited		SUBSIDIARY
TGAM Asia LLC	81-4306975	SUBSIDIARY
TGAM HK HC LLC	81-4323796	SUBSIDIARY
TIAA International APAC LLC	81-4499397	SUBSIDIARY
TGAM HK HC LLC	81-4323796	SUBSIDIARY
TIAA International Asia LLC	81-4359164	SUBSIDIARY
TGAM HK HC LLC	81-4323796	SUBSIDIARY
TIAA International Subsidiary HC LLC	81-4390558	SUBSIDIARY
TGAM APAC LLC	81-4290269	SUBSIDIARY
TGAM Asia LLC	81-4306975	SUBSIDIARY
TIAA International APAC LLC	81-4499397	SUBSIDIARY
TIAA International Asia LLC	81-4359164	SUBSIDIARY
TGAM Asia LLC	81-4306975	SUBSIDIARY
TGAM APAC LLC	81-4290269	SUBSIDIARY
TGAM Asia LLC	81-4306975	SUBSIDIARY
TIAA International APAC LLC	81-4499397	SUBSIDIARY
TIAA International Asia LLC	81-4359164	SUBSIDIARY
Nuveen Junior Capital Opportunities Fund GP S.à r.l.		SUBSIDIARY
Nuveen Natural Capital, LLC	87-4688838	SUBSIDIARY
Beaver Investments Holdings, LLC	45-5555895	SUBSIDIARY
GreenWood Resources, Inc.	80-0026976	SUBSIDIARY
GreenWood Resources Capital Management, LLC	45-1875074	SUBSIDIARY
Greenwood Resources Forest Management, LLC	47-4557075	SUBSIDIARY
GreenWood Resources Poland sp. Z o.o.	98-1016335	SUBSIDIARY
GWR Uruguay S.A.		SUBSIDIARY
Greenwood Resources Colombia SAS		SUBSIDIARY
NNC NGTF, LLC	93-1874675	SUBSIDIARY
Westchester Group Investment Management Holding Company, Inc.	27-3416812	SUBSIDIARY
Westchester Group Investment Management, Inc.	27-3417683	SUBSIDIARY
Nuveen Natural Capital Chile SpA		SUBSIDIARY
Nuveen Natural Capital LATAM Gestao De Ativos Ltda		SUBSIDIARY
Nuveen Natural Capital Limited		SUBSIDIARY
Nuveen Natural Capital Sp. Z.o.o.		SUBSIDIARY
Nuveen Natural Capital SRL		SUBSIDIARY
Plata Wine Partners, LLC	87-0735518	SUBSIDIARY
Terra Land Co.	37-1261935	SUBSIDIARY
The Plata Wine Partners Trust	37-6589484	SUBSIDIARY
Westchester Group Farm Management, Inc.	37-1193973	SUBSIDIARY
Westchester Group of Australia Pty Ltd.		SUBSIDIARY
Westchester Group Real Estate, Inc.	37-1194491	SUBSIDIARY
Westchester NGFF Investment LLC	84-3766552	SUBSIDIARY
Ziemia Coinvestment, LLC	92-3527677	SUBSIDIARY

COMPANY	FEIN	RELATIONSHIP
Nuveen Alternative Holdings, LLC (continued)		
Nuveen Private Capital LLC		SUBSIDIARY
Arcmont Asset Management Holdco Ltd.		SUBSIDIARY
Arcmont AM LLC		SUBSIDIARY
Nuveen Global Impact Fund Lux GP S.à r.l.		SUBSIDIARY
Arcmont Asset Management Germany GmbH		SUBSIDIARY
Arcmont Asset Management Ltd.		SUBSIDIARY
Private Debt Carried Interest General Partner II S.à r.l.		SUBSIDIARY
CAM HR Holdco LLC		SUBSIDIARY
Churchill Asset Management LLC	47-3156644	SUBSIDIARY
CAM HR Resources LLC	36-4851864	SUBSIDIARY
CNV Investor GP, LLC		SUBSIDIARY
Churchill Agency Services LLC	82-3187734	SUBSIDIARY
Churchill CAD GP General Partner, LLC	98-1694147	SUBSIDIARY
Churchill CAD GP, L.P.		SUBSIDIARY
Churchill CAD GP Limited Partner, LLC		SUBSIDIARY
Churchill Co-Investment Partners GP, LLC		SUBSIDIARY
Churchill Co-Investment Partners II (Lux) GP S.à r.l.		SUBSIDIARY
Churchill Co-Investment Partners II (US) GP, LLC	47-3156644	SUBSIDIARY
Churchill Feeder Fund GP II S.à r.l.		SUBSIDIARY
Churchill Fund GP II LLC	83-1177850	SUBSIDIARY
Churchill Fund GP II Sarl	98-1449979	SUBSIDIARY
Churchill Fund V GP LLC		SUBSIDIARY
Churchill Junior Capital Opportunities Fund II Carry-Co, LLC		SUBSIDIARY
Churchill Junior Capital Opportunities Fund II GP Sarl		SUBSIDIARY
Churchill Lux GP, S.à r.l.		SUBSIDIARY
Churchill MMSLF Special GP LLC	85-3272173	SUBSIDIARY
Churchill Secondary Partners GP, LLC		SUBSIDIARY
Churchill Special Member LLC	82-0735838	SUBSIDIARY
Churchill Warehouse LLC	82-3784145	SUBSIDIARY
CMIC Funding GP, LLC	87-2329839	SUBSIDIARY
Churchill BDC Administration LLC		SUBSIDIARY
Senior MPD Fund GP, LLC	88-1339633	SUBSIDIARY
Nuveen Real Estate Global LLC	81-4262460	SUBSIDIARY
Omni Holding Company LLC	47-2437568	SUBSIDIARY
Omni New York LLC	20-1149846	SUBSIDIARY
Paths Construction LLC	92-2846553	SUBSIDIARY
Paths Development LLC	92-2847109	SUBSIDIARY
Paths Management Services LLC	92-0783544	SUBSIDIARY
Paths RMS LLC	92-2847517	SUBSIDIARY
Reliant Safety LLC	92-2886561	SUBSIDIARY
Nuveen Development Management Services LLC	84-2502695	SUBSIDIARY
Nuveen Real Estate U.S. Strategic Alternatives Fund I GP, LLC	86-1561520	SUBSIDIARY
Nuveen Real Estate U.S. Strategic Lab Vehicle GP, LLC	86-1444180	SUBSIDIARY
U.S. Cities Diversified Fund GP, LLC	92-2350406	SUBSIDIARY
U.S. Cities Diversified Fund LP	92-2329690	SUBSIDIARY
U.S. Cities Diversified Fund REIT LLC	92-2330414	SUBSIDIARY
U.S. Cities Diversified Fund Operating GP, LLC	92-2330086	SUBSIDIARY
U.S. Cities Diversified Fund Operating LP	92-2350698	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%

STATEMENT AS OF SEPTEMBER 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	82-4054235	SUBSIDIARY
U.S. Cities Workplace Fund GP LLC	87-1468000	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		SUBSIDIARY
Sparrow Realty Investment I Managing Member LLC	85-2603862	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
TIAA International Holdings 1 Limited	46-1162850	SUBSIDIARY
Clean Energy Partners HoldCo LLP		(10) SUBSIDIARY
Nuveen Investment Management Holdings Limited	98-1125673	(11) SUBSIDIARY
TIAA International Holdings 2 Limited	46-1163394	SUBSIDIARY
Clean Energy Partners HoldCo LLP		(10) SUBSIDIARY
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.à.r.l.		SUBSIDIARY
Glennmont Partners IV S.à.r.l.		SUBSIDIARY
Glennmont REBS Europe S.à.r.l.		SUBSIDIARY
Nuveen Energy Transition European Fund II GP S.à.r.l.		SUBSIDIARY
TIAA International Holdings 3 Limited		SUBSIDIARY
Nuveen Investment Management Holdings Limited	98-1125673	(11) SUBSIDIARY
Nuveen Administration Ltd	98-1127648	SUBSIDIARY
Nuveen Europe Holdings Limited	98-1128805	SUBSIDIARY
Henderson European Retail Property Fund Management Sarl		SUBSIDIARY
Nuveen Alternatives Europe S.à.r.l.		SUBSIDIARY
Nuveen Asset Management Europe S.à.r.l.		SUBSIDIARY
Nuveen Fund Management (Jersey) Limited		SUBSIDIARY
Nuveen Management AIFM Limited		SUBSIDIARY
Nuveen Management Company (Luxembourg) No 1 S.à.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 (GP) Limited		SUBSIDIARY

COMPANY	FEIN	RELATIONSHIP
Nuveen Alternative Holdings, LLC (continued)		
Nuveen Real Estate Global LLC (continued)		
Enhanced Debt Carry (GP) S.à.r.l.		SUBSIDIARY
ERES APAC II (GP) S.à.r.l.		SUBSIDIARY
ERES Europe II (GP) S.à.r.l.		SUBSIDIARY
European Cities Partnership (GP) S.à.r.l.		SUBSIDIARY
European Core-Plus Logistics Fund (GP) S.à.r.l.		SUBSIDIARY
European Core Renewable Infrastructure S.à.r.l.		SUBSIDIARY
Islazul General Partner S.à.r.l.		SUBSIDIARY
Japan Alternatives Living GP Pte. Ltd.		SUBSIDIARY
Matador LP General Partner Limited		SUBSIDIARY
NRE Storage Portfolio Limited		SUBSIDIARY
Nugreen Services AB		SUBSIDIARY
Nuveen Consulting (Shanghai) Co Ltd		SUBSIDIARY
Nuveen Corporate Secretarial Services Limited		SUBSIDIARY
Nuveen (France) SAS		SUBSIDIARY
Nuveen Italy Srl		SUBSIDIARY
Nuveen Management Austria GmbH		SUBSIDIARY
Nuveen Management Finland Oy		SUBSIDIARY
Nuveen Operations Limited		SUBSIDIARY
Nuveen Australia Ltd.		SUBSIDIARY
Nuveen Real Estate Debt Partners (GP) Sarl		SUBSIDIARY
Nuveen Real Estate Debt Partners II (GP) S.à.r.l.		SUBSIDIARY
Global Real Estate Debt Partners – Fund II (UK) SCSp		(12) AFFILIATE
Nuveen Switzerland GmbH		SUBSIDIARY
Nuveen Singapore Private Limited		SUBSIDIARY
OMP (GP) Limited		SUBSIDIARY
T-C Lux Investments GP S.à.r.l.		SUBSIDIARY
Tokyo Multifamily GP PTE Ltd		SUBSIDIARY
UK OM (LP1) (GP) Limited		SUBSIDIARY
UK OM (LP1) Limited		SUBSIDIARY
UK OM (LP2) (GP) Limited		SUBSIDIARY
UK OM (LP2) Limited		SUBSIDIARY
UK OM (LP3) Limited		SUBSIDIARY
Nuveen Real Estate NYC Property Fund GP Member LLC	82-4266474	SUBSIDIARY
New York City Property Fund GP LLC	82-4213248	SUBSIDIARY
Nuveen Real Estate Property Holdings L.L.C.	06-1217855	SUBSIDIARY
Casa Partners VI GP, LLC	30-0794692	SUBSIDIARY
Casa Partners VII GP, LLC	47-5190671	SUBSIDIARY
CASA Partners VIII GP, LLC	82-4363605	SUBSIDIARY
CASA Partners IX GP, LLC	86-1845840	SUBSIDIARY
Global Investors GP, L.L.C.	36-4477806	SUBSIDIARY
Global Investors GP II, L.L.C.	20-2537749	SUBSIDIARY
Global Investors GP IV, L.L.C.	20-3070768	SUBSIDIARY
TCAM DOF GP, LLC	26-3561391	SUBSIDIARY
TCGA BT AIV, LLC	46-5367344	SUBSIDIARY
TCGA Investor Fund GP, LLC	45-5139523	SUBSIDIARY
TCGA II Investor Fund GP, LLC	47-3511076	SUBSIDIARY
TCAM International GP LLC	81-4330570	SUBSIDIARY
TIAA Global Ag Special Member LLC	45-1532009	SUBSIDIARY
TIAA Global Ag II Special Member LLC	81-1749609	SUBSIDIARY
T-C U.S. Super Regional Mall Fund GP LLC	47-3126089	SUBSIDIARY
U.S. Cities Industrial Fund GP LLC		SUBSIDIARY

LISTING 2 (NUVEEN FINANCE, LLC):

COMPANY	FEIN	RELATIONSHIP
Nuveen Holdings 1, Inc.		
Nuveen Holdings, Inc.	81-3425820	SUBSIDIARY
Nuveen Investments, Inc.	28-0373324	SUBSIDIARY
Gresham Asset Management LLC	36-3817266	SUBSIDIARY
Gresham Investment Management LLC	26-0627593	SUBSIDIARY
Gresham Investment Management Asia Pte. Ltd.	20-1930384	SUBSIDIARY
NIS/IR&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	81-0739006	SUBSIDIARY
Nuveen Securities, LLC	36-2639476	SUBSIDIARY
Teachers Advisors, LLC	13-3760073	SUBSIDIARY
Colvest Member LLC	82-1157427	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 I (GP) S.à.r.l.

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

STATEMENT AS OF SEPTEMBER 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	93-366856	SUBSIDIARY
730 Digital Infra LLC	93-366856	SUBSIDIARY
730 Fiber, LLC	93-366856	SUBSIDIARY
Arcadian Infracom 1, LLC	85-2250697	SUBSIDIARY
730 Lighting, LLC	92-0957956	SUBSIDIARY
Freeway Lighting Partners Holding Company, LLC	92-0957956	SUBSIDIARY
Freeway Lighting Partners, LLC	92-0957956	SUBSIDIARY
730 Power Development, LLC	47-2616735	SUBSIDIARY
730 Carroll, LLC	47-2622825	SUBSIDIARY
730 Cricket, LLC	93-366856	SUBSIDIARY
730 Rail LLC	93-366856	SUBSIDIARY
730 Citrail LLC	93-366856	SUBSIDIARY
Cathcart Rail Holdco, LLC	93-366856	SUBSIDIARY
730 Telecom LLC	47-5363027	SUBSIDIARY
730 Transmission, LLC	93-366856	SUBSIDIARY
730 Hotspur, LLC	93-366856	SUBSIDIARY
730 Texas Forest Holdings, Inc.	13-4042885	SUBSIDIARY
730 Texas Timberlands II, Ltd.	51-0494351	SUBSIDIARY (13)
730 Texas Timberlands, Ltd.	13-4042886	SUBSIDIARY (14)
730 Texas Timberlands II, Ltd.	51-0494351	SUBSIDIARY (13)
TIAA Timberlands I, LLC	13-4040842	SUBSIDIARY (14)
730 Texas Timberlands, LLC	48-2916514	SUBSIDIARY
TIAA Timberlands II, LLC	13-4085431	SUBSIDIARY
Foley Butte, LLC	93-366856	SUBSIDIARY
Red River Pine, LLC	93-366856	SUBSIDIARY
Actoll, LLC	38-3847245	SUBSIDIARY
Actoll Colorado, LLC	46-3373066	SUBSIDIARY
Broadleaf Timberland Investments, LLC	46-1952974	SUBSIDIARY
Quercus Forestland Account, LLC	26-4647417	SUBSIDIARY
Quercus Algoma Corporation	93-366856	SUBSIDIARY
Quercus Algoma Land Corporation	93-366856	SUBSIDIARY
Quercus West Virginia, LLC	26-4647417	SUBSIDIARY
Canadian Infrastructure Investments, LLC	26-4248579	SUBSIDIARY
2234328 Alberta ULCC	98-1523334	SUBSIDIARY
Polar Star Canadian Oil and Gas Holding, ULCC	93-366856	SUBSIDIARY
Ceres Agricultural Properties, LLC	56-2672630	SUBSIDIARY
Ceres FFI LLC	93-3033108	SUBSIDIARY
Premiere Agricultural Properties, LLC	37-1555322	SUBSIDIARY
Loma del Rio Vineyards, LLC	80-0843991	SUBSIDIARY (15)
Premiere Columbia Properties, LLC	36-4620107	SUBSIDIARY
Premiere Farm Properties, LLC	30-0449681	SUBSIDIARY
Demeter Agricultural Properties II, LLC	93-366856	SUBSIDIARY
International Agricultural Investors, LLC	26-0352203	SUBSIDIARY
IAI Australia Pty., Ltd.	93-366856	SUBSIDIARY
IAI Australia Trust	93-366856	SUBSIDIARY
IAI USA, LLC	26-0460488	SUBSIDIARY
International Agricultural Investors Fund II, LLC	26-2745365	SUBSIDIARY
IAI Australia Fund II, Pty., Ltd.	93-366856	SUBSIDIARY
IAI Australia Fund II Trust	93-366856	SUBSIDIARY
IAI USA Fund II, LLC	26-2747755	SUBSIDIARY
Trichue Farms SpA	93-366856	SUBSIDIARY
Churchill Junior Capital Opportunities Fund II, L.P.	93-366856	SUBSIDIARY
Churchill Middle Market CLO IV Ltd.	98-1402136	SUBSIDIARY

COMPANY	FEIN	RELATIONSHIP
Churchill Middle Market Senior Loan Fund, LP	81-1810508	SUBSIDIARY
Churchill Middle Market Senior Loan Fund III, LP	84-5024895	SUBSIDIARY
Churchill MM Warehouse LLC	81-2914954	SUBSIDIARY
Distressed Opportunities Fund, L.P.	26-3561447	SUBSIDIARY
CPF/UJR JV Member LLC	81-2914954	SUBSIDIARY
CPF/UJR Joint Venture LLC	81-2928112	SUBSIDIARY
CPF 636 Sixth Avenue LLC	81-2955427	SUBSIDIARY
CPF 856 Market Street LLC	81-2982618	SUBSIDIARY
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 (16)
T-C 1608 Chestnut Limited Partner LLC	47-3337561	SUBSIDIARY
1608 Chestnut Partners LP	23-3049052	SUBSIDIARY (16)
Demeter Agricultural Properties, LLC	26-3049305	SUBSIDIARY
Dionysia Properties, LLC	45-2632240	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 Lux Vineyards, LLC	68-0436609	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	68-043927	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	98-0580879	AFFILIATE
EverBank Financial Corp.	90-0615674	SUBSIDIARY
Everbank Funding, LLC	37-1718179	SUBSIDIARY
TIAA FSB	59-3531592	SUBSIDIARY
AMC Holding, Inc.	59-3547521	SUBSIDIARY
Customerone Financial Network, Inc.	43-1823879	SUBSIDIARY
Business Property Lending, Inc.	36-1208070	SUBSIDIARY
TIAA Commercial Finance, Inc.	20-0716627	SUBSIDIARY
Global Real Estate Debt Partners – Fund I (UK) SCSp	93-366856	SUBSIDIARY (17)
Global Real Estate Debt Partners – Fund II (UK) SCSp	93-366856	SUBSIDIARY (12)
Global Real Estate Debt Partners – Fund III (UK) SCSp	93-366856	AFFILIATE
GreshamQuant SAFI Fund, L.L.C.	87-2192709	SUBSIDIARY
Global Real Estate Debt Partners – Fund IV (UK) SCSp	93-366856	SUBSIDIARY
Growth Capital Fund I, L.P.	81-0737062	SUBSIDIARY
Inception GP LLC	93-366856	SUBSIDIARY
Infra Alpha, LLC	27-4149157	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 Farms, LLC	47-4196668	SUBSIDIARY
L&C TRS LLC	47-5300478	SUBSIDIARY

COMPANY	FEIN	RELATIONSHIP
Mansilla Participacoes LTDA	93-366856	SUBSIDIARY
Radar Propriedades Agricolas S.A.	93-366856	SUBSIDIARY (18)
Nova Amarlina Propriedades Agricolas S.A.	93-366856	SUBSIDIARY
Nova Agricola Ponte Alta S.A.	93-366856	SUBSIDIARY
Terras da Ponte Alta S.A.	93-366856	SUBSIDIARY
Radar II Propriedades Agricolas S.A.	93-366856	AFFILIATE
Bioinvestments Negocios e Participacoes	93-366856	AFFILIATE
Castanheira Propriedades Agricolas S.A.	93-366856	AFFILIATE
Manacá Propriedades Agricolas S.A.	93-366856	AFFILIATE
Paineira Propriedades Agricolas S.A.	93-366856	AFFILIATE
Proud Participacoes S.A.	93-366856	AFFILIATE
Radar Propriedades Agricolas S.A.	93-366856	AFFILIATE (18)
Vale De Ponte Alta S.A.	93-366856	AFFILIATE
MM Funding, LLC	13-1642023	SUBSIDIARY
MyWest Corporation	47-0902011	SUBSIDIARY
NBPT Aggregator LLC	93-366856	SUBSIDIARY
NGFF Holdco, LLC	84-2320652	SUBSIDIARY
Nuveen Global Farmland Fund, LP	84-1895540	SUBSIDIARY
Global Farmland Properties LLC	84-1834824	SUBSIDIARY
NGFF FFI, LLC	85-3631808	SUBSIDIARY
US Horticulture Farmland, LLC	84-1857338	SUBSIDIARY
US Row Farmland, LLC	84-1842298	SUBSIDIARY
US Viticulture Farmland, LLC	84-1880235	SUBSIDIARY
SPP Property Fund REIT LLC	87-4184203	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
NYCPFI II 94th Street Pooling LP	87-3783569	SUBSIDIARY
309 East 94th Street Holdings LLC	93-366856	SUBSIDIARY
309 East 94th Street Associates LLC	93-366856	SUBSIDIARY
New York City Property Fund REIT LLC	83-4671919	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	84-3408815	SUBSIDIARY
125 West End Associates LLC	83-4653622	SUBSIDIARY
Ridge Hill Holdings LLC	88-4309659	SUBSIDIARY
Ridge Hill Associates LLC	36-5014830	SUBSIDIARY
NGTF Holdco, LLC	92-0403836	SUBSIDIARY
NRFC Inception IV, LP	46-2031403	SUBSIDIARY
Nuveen CLO Issuance Fund LP	98-1549843	SUBSIDIARY
Nuveen European Core Renewable Infrastructure Fund SCA SICAV-RAIF	93-366856	SUBSIDIARY
Nuveen Global Impact Fund LP	84-5180286	SUBSIDIARY
Nuveen High Yield Municipal Opportunities Fund LP	83-4357309	SUBSIDIARY
Nuveen Municipal Opportunities Fund LP	83-4341275	SUBSIDIARY
Nuveen Real Estate U.S. Impact Housing Fund LP	88-1470999	SUBSIDIARY
Nuveen Real Estate U.S. Impact Housing Fund Holdings LP	93-2601876	SUBSIDIARY
Nuveen Real Estate U.S. Impact Housing Fund REIT LLC	88-1539505	SUBSIDIARY
Nuveen Real Estate U.S. Impact Housing Fund Operating GP LLC	88-1470699	SUBSIDIARY
HF FA Woodbridge Investor Member LLC	88-3423227	SUBSIDIARY
USIHF GP Holdco Parent LLC	88-4255084	SUBSIDIARY
USHF GP Holdco LLC	92-0790831	SUBSIDIARY
USHF Tressa GP LLC	92-3365983	SUBSIDIARY
USHF Tressa LP LLC	92-3365006	SUBSIDIARY
USHF GP NY Holdco LLC	92-1460099	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.A.r.l.

(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 SEPTEMBER 30, 2023 OF THE TIAA-CREF LIFE INSURANCE COMPANY

LISTING 3 (CONTINUED):

COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP
ND Properties, LLC	11-3034756	SUBSIDIARY (19)	ND Properties LLC (continued)			Stichting Bewaarder Ziemia Fund		AFFILIATE
Norteshopping Retail and Leisure Centre BV		SUBSIDIARY	60 Great Portland Street Unit Trust		AFFILIATE (26)	T-C 699 Bourke Street LLC	46-4969690	SUBSIDIARY
Norteshopping - Centro Commercial, S.A.		SUBSIDIARY	70 St Mary Axe Unit Trust		AFFILIATE (27)	T-C MV Member LLC	81-4583865	SUBSIDIARY
ND Europe S.a.r.l.		SUBSIDIARY	London Belgrave Unit Trust		AFFILIATE (24)	T-C M-T REIT LLC	81-4599024	SUBSIDIARY
ND Europe Office Holding S.a.r.l.		SUBSIDIARY	CLOF Victoria Nominee 1 Limited		AFFILIATE	T-C MV Member II LLC		SUBSIDIARY
Cityhold Nymphe S.a.r.l.		AFFILIATE (20)	CLOF Victoria Nominee 2 Limited		AFFILIATE	T-C M-T REIT II LLC	84-3224525	SUBSIDIARY
Cityhold Propco 11 S.a.r.l.		AFFILIATE	New Fetter Lane Unit Trust		AFFILIATE (25)	TC MT II Originations TRS LLC	85-2937933	SUBSIDIARY
OVG Cloud S.a.r.l.		AFFILIATE (21)	60 Great Portland Street Unit Trust		AFFILIATE (26)	T-C Permian Investor LLC	82-1023309	SUBSIDIARY
Cityhold Euro S.a.r.l.		AFFILIATE (22)	SMA Holding S.a.r.l.		AFFILIATE	T-C SPMC Joint Venture LLC	46-3007720	SUBSIDIARY
Cityhold Office Partnership S.a.r.l.		AFFILIATE	70 St Mary Axe Unit Trust		AFFILIATE (27)	T-C SMA 2, LLC	36-4620008	SUBSIDIARY
CHOP OPCJ		AFFILIATE	HV Properties S.a.r.l.		AFFILIATE	PennMuni-TIAA U.S. Real Estate Fund, LLC	36-4619998	SUBSIDIARY
Cityhold Iconic Holding SAS	98-1435873	AFFILIATE	HV Freehold S.a.r.l.		AFFILIATE	T-C SV Member LLC		SUBSIDIARY
Cityhold Iconic Hotel SNC	98-1433967	AFFILIATE	TIAA Lux 9 S.a.r.l.		AFFILIATE	T-C S-T REIT LLC		SUBSIDIARY
Cityhold Iconic Office SCI	98-1433956	AFFILIATE	SAS Malachite		AFFILIATE	T-C The Edge at Flagler Village, LLC	81-2204918	SUBSIDIARY
Cityhold Iconic Youth Hostel SNC	98-1433960	AFFILIATE	SNC Garnet-TIAA		AFFILIATE	T-C Australia RE Holdings I, LLC	81-2490530	SUBSIDIARY
Cityhold EST Investment S.a.r.l.	98-1433975	AFFILIATE	SNC La Defense		AFFILIATE	T-C Australia RE Holdings II, LLC	81-2506975	SUBSIDIARY
Cityhold Prinses Cooperatief U.A.		AFFILIATE	SNC Lazuli		AFFILIATE	TIAA Australia Real Estate Trust		SUBSIDIARY
Cityhold Prinses AcquiCo B.V.		AFFILIATE	SNC Peridot		AFFILIATE	TIAA Melbourne Retail Holding 1 Trust		SUBSIDIARY
Ark Portfolio Owner Prinses B.V.		AFFILIATE	T-C Pep Holding S.a.r.l.		SUBSIDIARY	TGA Miller Street Trust		SUBSIDIARY
Cityhold Jobbe SAS		AFFILIATE	T-C Pep Asset S.a.r.l.		SUBSIDIARY	TIAA Melbourne Retail Holding 1 Trust		SUBSIDIARY
Cityhold Jobbe SCI		AFFILIATE	TIAA Lux 11 S.a.r.l.		SUBSIDIARY	TIAA Melbourne Retail Asset 1 Trust		SUBSIDIARY
Cityhold Nymphe S.a.r.l.		AFFILIATE (20)	Gropius Passagen Verwaltungs GmbH		SUBSIDIARY	TGA Australia Real Estate Trust 2		SUBSIDIARY
Cityhold Propco 6 S.a.r.l.		AFFILIATE	Gropius Passagen GmbH & Co KG		SUBSIDIARY (28)	TGA PBSA Hold Trust		SUBSIDIARY
Cityhold Iconic Holding SAS	98-1435880	AFFILIATE	Gropius S.a.r.l.		SUBSIDIARY	TGA PBSA Asset Trust 1		SUBSIDIARY
Cityhold Propco 9 S.a.r.l.		AFFILIATE	TIAA Lux 5 S.a.r.l.		SUBSIDIARY (28)	TGA PBSA Asset Trust 2		SUBSIDIARY
36 Rue La Fayette SAS		AFFILIATE	Nuveen Real Estate U.S. Strategic Alternatives Fund I LP	86-1702891	SUBSIDIARY	TGA PBSA Asset Trust 3		SUBSIDIARY
SAS Roosevelt		AFFILIATE	Nuveen Real Estate U.S. Strategic Industrial Fund I LP	81-2429791	SUBSIDIARY	TGA PBSA Asset Trust 5		SUBSIDIARY
SNC Roosevelt		AFFILIATE	Nuveen Real Estate U.S. Strategic Lab Vehicle LP	88-1443255	SUBSIDIARY	TGA PBSA Asset Trust 6		SUBSIDIARY
Roosevelt Participation S.a.r.l.		AFFILIATE (23)	Nuveen Real Estate U.S. Strategic Lab Vehicle Holdings LP	88-2640357	SUBSIDIARY	TGA PBSA Hold Trust 2		SUBSIDIARY
SNC Roosevelt		AFFILIATE	Nuveen Real Estate U.S. Strategic Lab Vehicle REIT LLC	88-1443830	SUBSIDIARY	TGA PBSA Asset Trust 4		SUBSIDIARY
Courcelles 70 SAS		AFFILIATE	Nuveen Real Estate U.S. Strategic Lab Vehicle REIT Sub GP LLC		SUBSIDIARY	TGA PBSA Asset Trust 4		SUBSIDIARY
Cityhold Euro S.a.r.l.		AFFILIATE (22)	Nuveen Real Estate U.S. Strategic Lab Vehicle REIT Sub LP		SUBSIDIARY	TGA PBSA Asset Trust 4		SUBSIDIARY
Cityhold Propco 7 S.a.r.l.		AFFILIATE	Nuveen Real Estate U.S. Strategic Lab Vehicle Non-REIT LLC	88-2561353	SUBSIDIARY	TGA PBSA Asset Trust 4		SUBSIDIARY
Cityhold Propco 10 S.a.r.l.		AFFILIATE	AGR Agricultural Investments, LLC	46-1789969	SUBSIDIARY	T-C Europe Holding Inc.	47-2363168	SUBSIDIARY
Cityhold Gouden Bocht B.V.		AFFILIATE	Mandala Food Co-Investment Holdings II SPV	28-4750562	SUBSIDIARY	T-C Europe LP	47-2369576	SUBSIDIARY (29)
Cityhold Gouden Bocht Monumenten B.V.		AFFILIATE	Otto's South Vineyard, LLC	85-1933477	SUBSIDIARY	T-C Europe LP	47-2369576	SUBSIDIARY (29)
Redevelopment Property II B.V.	98-1438380	AFFILIATE	Pinnacle Third Avenue, LP	26-3821015	AFFILIATE	T-C Europe S.a.r.l.		SUBSIDIARY
Cityhold Propco 12 S.a.r.l.		AFFILIATE	Renewable Power Fund Plus, LP		SUBSIDIARY	T-C Nordics Investment AB		SUBSIDIARY
Cityhold GC Investment S.a.r.l.		AFFILIATE	Renewable Timber Europe, LLC	45-2792614	SUBSIDIARY	T-C Denmark ApS		SUBSIDIARY
OVG Cloud S.a.r.l.		AFFILIATE (21)	Renewable Timber Netherlands B.V.		SUBSIDIARY	NordsjællandsHusene 2 ApS		SUBSIDIARY
Cityhold Grand Central Berlin SCS		AFFILIATE	Topola Lasy Spolka z o.o.	61-1640765	SUBSIDIARY	NordsjællandsHusene 3 ApS		SUBSIDIARY
Cityhold Sterling S.a.r.l.		AFFILIATE	Renewable Timber Resources, LLC		SUBSIDIARY	T-C Europe LuxCo 1 S.a.r.l.		SUBSIDIARY
Cityhold UK Holding S.a.r.l.		AFFILIATE	REP CoInvest III TEC, L.P.	98-1718925	SUBSIDIARY	T-C Luxembourg Neptune Holdings S.a.r.l.		SUBSIDIARY
Cityhold Belgrave Operational Investment S.a.r.l.		AFFILIATE	Seven30 Insurance (Bermuda) Co. Limited	47-3994280	SUBSIDIARY	T-C Neptune Holdings S.a.r.l.		SUBSIDIARY
Cityhold Belgrave Operational Holding S.a.r.l.		AFFILIATE	SHF-33d North Apts, LLC	47-4155469	SUBSIDIARY	Neptune Property Venture S.a.r.l.		SUBSIDIARY
Belgrave House Operational Unit Trust		AFFILIATE	SHF-Millennium One Apts, LLC	81-2450195	SUBSIDIARY	Castel Guelfo I SRL		SUBSIDIARY
Cityhold UK Investment S.a.r.l.		AFFILIATE	SHF-The Rocks Apts, LLC	03-0543113	SUBSIDIARY	Neptune Poznan SP z o.o.		SUBSIDIARY
London Belgrave Unit Trust		AFFILIATE (24)	Siguler Guff Third Avenue, L.P.		SUBSIDIARY	Promcat Alternativa, S.L.		SUBSIDIARY
New Fetter Lane Unit Trust		AFFILIATE (25)	Social Infra, LLC		SUBSIDIARY	Neptune Madrid Holdco S.L.		SUBSIDIARY
						Neptune Nassica Propco S.L.		SUBSIDIARY
						Neptune Getafe Propco S.L.		SUBSIDIARY
						Neptune Las Rozas Outlet S.L.		SUBSIDIARY
						Neptune San Sebastian Outlet S.L.		SUBSIDIARY
						Neptune Ursus SP, z.o.o.		SUBSIDIARY
						Neptune Krakow SP, z.o.o.		SUBSIDIARY
						Neptune Annopol SP, z.o.o.		SUBSIDIARY
						Neptune Poznan SP, z.o.o.		SUBSIDIARY
						Neptune OPCJ SAS		SUBSIDIARY
						Roppenheim Holding SAS		SUBSIDIARY
						Roppenheim Outlet SNC		SUBSIDIARY (30)
						Neptune Property Holding S.a.r.l.		SUBSIDIARY
						Neptune Amsterdam B.V.		SUBSIDIARY
						Neptune Gliwice Sp. z o.o.		SUBSIDIARY
						Neptune Roppenheim Holding S.a.r.l.		SUBSIDIARY
						Roppenheim Outlet SNC		SUBSIDIARY (30)
						Neptune Vicofingo 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 Nymphe S.a.r.l. (Nymphe) is owned by TIAA via a 25% ownership of Cityhold Office Partnership S.a.r.l., which owns 88% of Nymphe, and 3% owned by wholly-owned ND Europe Office Holding S.a.r.l.

(21) OVG Cloud S.a.r.l. (OVG) is owned by TIAA via a 25% ownership of Cityhold Propco 11 S.a.r.l. (10.1% of OVG) and Cityhold Propco 12 S.a.r.l. (89.9% of OVG).

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

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

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

(25) New Fetter Lane Unit Trust (NFLUT) is owned by TIAA via a 25% ownership of Cityhold Office Partnership S.a.r.l., which owns Cityhold UK Holding S.a.r.l. (99.9% of NFLUT) and Cityhold UK Investment S.a.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.a.r.l., which owns Cityhold UK Holding S.a.r.l. (99.4% of 60GPS) and Cityhold UK Investment S.a.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.a.r.l., which owns SMA Holding S.a.r.l. (99.9% of SMAUT) and Cityhold UK Investment S.a.r.l. (0.1%).

(28) Gropius Passagen GmbH & Co KG is controlled by TIAA, and partially owned by Gropius S.a.r.l., which owns 99.8% and TIAA Lux 11 S.a.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.a.r.l., which owns Roppenheim Holding SAS (99.99% of ROSNC) Neptune Roppenheim Holding S.a.r.l. (0.01%).

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

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

LISTING 3 (CONTINUED):

COMPANY	FEIN	RELATIONSHIP
T-C Europe LP (continued)		
T-C Storage Portfolio HoldCo Sà r.l.		SUBSIDIARY
T-C Storage HoldCo AB		SUBSIDIARY
Green S AB		SUBSIDIARY
24Storage Property Ekstalluna AB		SUBSIDIARY
24Storage Property Export Kommanditbolag		SUBSIDIARY
24Storage Property Farsta AB		SUBSIDIARY
24Storage Property Fyrislund AB		SUBSIDIARY
24Storage Property Handen Kommanditbolag		SUBSIDIARY
24Storage Property Kalhall AB		SUBSIDIARY
24Storage Property Kungsholmen AB		SUBSIDIARY
24Storage Property Lagringen AB		SUBSIDIARY
24Storage Property Lärkträdet AB		SUBSIDIARY
24Storage Property Lokal AB		SUBSIDIARY
24Storage Property Orminge AB		SUBSIDIARY
24Storage Property Täby AB		SUBSIDIARY
24Storage Property Tyresö AB		SUBSIDIARY
24Storage Property Uddevalla AB		SUBSIDIARY
24Storage Service 2 AB		SUBSIDIARY
24Storage Service 3 AB		SUBSIDIARY
24Storage Service 4 AB		SUBSIDIARY
24Storage Service AB		SUBSIDIARY
24Storage Systems & Brand AB		SUBSIDIARY
Green S Andelar AB		SUBSIDIARY
Green S Blåtjuset 15 AB		SUBSIDIARY
Green S Bygg AB		SUBSIDIARY
Green S Domherren 5 AB		SUBSIDIARY
Green S Ekfåtel 4 AB		SUBSIDIARY
Green S Förgasaren 5 AB		SUBSIDIARY
Green S Huvudsta 3 29 AB		SUBSIDIARY
Green S Insekten KB		SUBSIDIARY
Green S Kopparen 3 AB		SUBSIDIARY
Green S Ny 20 AB		SUBSIDIARY
Green S Pelargonian 8 AB		SUBSIDIARY
Green S Portfolj 1 AB		SUBSIDIARY
Green S Portfolj 2 AB		SUBSIDIARY
Green S Rasten 2 AB		SUBSIDIARY
Green S Skälby 2 14 AB		SUBSIDIARY
Green S Sminkören 1 AB		SUBSIDIARY
Green S Söderbymalm 7 14 AB		SUBSIDIARY
Green S Soina Hagalund AB		SUBSIDIARY
Green S Sjöby 2 AB		SUBSIDIARY
Green S Testaren 3 AB		SUBSIDIARY
Green S Vargen 12 AB		SUBSIDIARY
Green S Vargen 13 AB		SUBSIDIARY
Green S Våden 103 AB		SUBSIDIARY
Green S Vreten 12 KB		SUBSIDIARY
Green Storage AB		SUBSIDIARY
T-C Storage BidCo AB		SUBSIDIARY
TC-Norway AS		SUBSIDIARY
Blittveien 6 AS		SUBSIDIARY
Lomingsdalen 22 Eiendoms AS		SUBSIDIARY
Skedsmo Logistik AS		SUBSIDIARY

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		AFFILIATE
2300 Broadway Storage Operator LLC	84-2144204	SUBSIDIARY
Nuveen Global Cities REIT, Inc.	82-1419222	AFFILIATE
T-C 2 Herald Square Member LLC	47-1535030	SUBSIDIARY
T-C 2 Herald Square Venture LLC	47-1650509	SUBSIDIARY
T-C 2 Herald Square Owner LLC	47-1488131	SUBSIDIARY
T-C 1101 Pennsylvania Avenue LLC	27-2952349	SUBSIDIARY
T-C 1101 Pennsylvania Avenue Venture LLC	27-2952617	SUBSIDIARY
T-C 1101 Pennsylvania Avenue Owner LLC	27-2952860	SUBSIDIARY
T-C 33 Arch Street Member, LLC	46-1851206	SUBSIDIARY
T-C 33 Arch Street Venture, LLC	46-1805501	SUBSIDIARY
T-C 470 Park Avenue South Member LLC	46-1754709	SUBSIDIARY
T-C 470 Park Avenue South Venture LLC	46-1744112	SUBSIDIARY
T-C 475 Fifth Avenue Member, LLC	46-1828055	SUBSIDIARY
T-C 475 Fifth Avenue Venture LLC	46-1839003	SUBSIDIARY
T-C 475 Fifth Avenue, LLC	45-3229803	SUBSIDIARY
T-C 800 17th Street NW Member LLC	47-2189075	SUBSIDIARY
T-C 800 17th Street NW Venture LLC	47-2118640	SUBSIDIARY
T-C 800 17th Street NW Owner LLC	47-2069910	SUBSIDIARY
T-C 888 Brannan Member LLC	47-4665824	SUBSIDIARY
T-C 888 Brannan Venture LLC	47-4684031	SUBSIDIARY
T-C 888 Brannan Owner LLC	47-4674147	SUBSIDIARY
T-C 888 Brannan TRS, LLC	47-5605380	SUBSIDIARY
T-C 2300 Broadway, LLC	45-3479701	SUBSIDIARY
T-C Aspira LLC	46-1220681	SUBSIDIARY
T-C Franklin Square Member, LLC	46-1791581	SUBSIDIARY
T-C Franklin Square Venture LLC	46-1794486	SUBSIDIARY
TIAA Franklin Square, LLC	26-0011770	SUBSIDIARY
T-C Hall of States Member LLC	47-2023405	SUBSIDIARY
T-C Hall of States Venture LLC	47-2043468	SUBSIDIARY
T-C Kings Crossing, LLC	45-4045658	SUBSIDIARY
T-C Legacy Place Member, LLC	46-1120016	SUBSIDIARY
Legacy Place Associates, LLC	46-0876833	SUBSIDIARY
300 Legacy Place Boulevard LLC		SUBSIDIARY
Legacy Place Properties, LLC	30-0769316	SUBSIDIARY
T-C Republic Square Member LLC	47-2903922	SUBSIDIARY
T-C Republic Square Venture LLC	47-2867784	SUBSIDIARY
T-C Republic Square REIT LLC	47-3033681	SUBSIDIARY
T-C Republic Square Mezzanine LLC	47-3091198	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	88-1007587	SUBSIDIARY
TGA NAP Forum on Peachtree Owner LLC	88-1007172	SUBSIDIARY
TGA Lonestar Investor Member LLC	88-1913177	SUBSIDIARY
TGA BSL Lonestar JV LLC	88-2029531	SUBSIDIARY
TGA BSL Lonestar Owner LLC	88-1913518	SUBSIDIARY
TGA Midway Distribution Center LLC	87-4019549	SUBSIDIARY
TGA MOB 5005 McConnell Member LLC	88-0655999	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 DC Grocery LLC	47-1367530	SUBSIDIARY
The Flats 140 DC Residential LLC	47-1363564	SUBSIDIARY
T-C JK I, LLC	46-4567368	SUBSIDIARY
T-C JK II, LLC	46-4587620	SUBSIDIARY
T-C Lux Fund Holdings LLC	47-4095803	SUBSIDIARY
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	87-3147637	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 6010 Operating Member LLC	83-0637658	SUBSIDIARY
TGA 730 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 Plc, 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	87-1123907	SUBSIDIARY
TGA ASI Monte Vista Investor Member LLC	86-3673675	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	88-1120056	SUBSIDIARY
TGA Auburn Business Park LLC	84-3830265	SUBSIDIARY
TGA Aurora DC III LLC	84-3285557	SUBSIDIARY
TGA Baltimore IC LLC	84-3475931	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 Bridge Point LLC	84-3441362	SUBSIDIARY
TGA Cactus DC I LLC	84-2939313	SUBSIDIARY
TGA Capital Beltway CC LLC	84-3523623	SUBSIDIARY
TGA Capital Gateway LLC	92-1681994	SUBSIDIARY
TGA Center Square DC LLC	84-3487859	SUBSIDIARY
TGA Centerpointe LLC	84-3314029	SUBSIDIARY
TGA Central Green LLC	83-3799476	SUBSIDIARY
TGA Central Square Investor Member LLC	84-4376922	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

(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

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

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

LISTING 3 (CONTINUED):

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	47-5392075	SUBSIDIARY
Westland AI Waterford REIT General Partner LLC	81-0779817	SUBSIDIARY
Waterford Blue Lagoon REIT General Partner LLC	47-5305678	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
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-TM Athens, LLC	83-1011298	SUBSIDIARY
PEP Athens, LLC	85-1065983	SUBSIDIARY
TGA Creekside Village Investor Member LLC	84-3740496	SUBSIDIARY
TGA East Coronado Industrial LLC	84-3740590	SUBSIDIARY
TGA East Minaloma Industrial LLC	87-1762569	SUBSIDIARY
TGA Eastridge Investor Member LLC		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 Englewood DC LLC		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 Freepoint DC LLC	84-3332846	SUBSIDIARY
TGA Germann Road Apartments LLC	88-4247949	SUBSIDIARY
TGA Greenstone Logistics Center LLC	84-3740749	SUBSIDIARY
TGA Hagerstown DC LLC	84-3463522	SUBSIDIARY
TGA Haines City LLC	82-1285315	SUBSIDIARY
TGA Hollins End LLC	84-3475313	SUBSIDIARY
TGA I-95 DC LLC	84-3523721	SUBSIDIARY
TGA JL Investor Member LLC	84-3718861	SUBSIDIARY
TGA JL II Investor Member LLC	84-4376472	SUBSIDIARY
TGA JL III CT Investor Member LLC	87-1280436	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 Landing III LLC		SUBSIDIARY
TGA Los Tres Investor Member LLC	87-3398451	SUBSIDIARY

COMPANY	FEIN	RELATIONSHIP
TGA GP Holdco Parent LLC	92-0783347	SUBSIDIARY
Mill Plain Properties, LLC	20-1889464	SUBSIDIARY
Omni Subnote, LLC	86-1818790	SUBSIDIARY
Omni TEM, LLC	85-4308136	SUBSIDIARY
ONY Funding, LLC	85-3798114	SUBSIDIARY
TGA GP Holdco LLC	88-4207931	SUBSIDIARY
Clay Arsenal Apartments Developers, LLC	85-2886948	SUBSIDIARY
New OMP Parkside Developer LLC	92-3870148	SUBSIDIARY
New OMP Woodland Springs LLC	92-3870428	SUBSIDIARY
New Woodland Springs Developers LLC	92-3889182	SUBSIDIARY
OMA Kawaida Towers LLC		SUBSIDIARY
Kawaida Towers Developers, LLC	88-1664419	SUBSIDIARY
Omni America LLC	16-1752231	SUBSIDIARY
Omni Bayfront Jersey City LLC	85-1963810	SUBSIDIARY
Omni WTC, LLC	85-4282616	SUBSIDIARY
Omni Bayfront Jersey City II LLC	82-4598147	SUBSIDIARY
Omni WTC, LLC	85-4233911	SUBSIDIARY
ONY Acceptance, LLC	20-5899799	SUBSIDIARY
ONY Admiral Halsey, LLC	20-5901150	SUBSIDIARY
Admiral Halsey Developers, LLC	80-0161362	SUBSIDIARY
ONY Baisley, LLC	80-0161368	SUBSIDIARY
Baisley Developers, LLC	81-1609431	SUBSIDIARY
ONY Barbara Jordan I, LLC	81-1609708	SUBSIDIARY
Barbara Jordan I Developers, LLC	26-4595075	SUBSIDIARY
ONY Bedell, LLC	81-1692161	SUBSIDIARY
ONY Carver Hall, LLC	47-2052027	SUBSIDIARY
Carver Hall Developers, LLC	47-2047789	SUBSIDIARY
ONY Elizabeth Crossings, LLC	02-0772539	SUBSIDIARY
Elizabeth Crossings Developers, LLC	03-0585654	SUBSIDIARY
ONY Florence Apartments, LLC	26-2696384	SUBSIDIARY
Florence Apartments Developers, LLC	26-2696576	SUBSIDIARY
ONY Forestvale Apartments, LLC	26-2696040	SUBSIDIARY
Forestvale Apartments Developers, LLC	26-2696506	SUBSIDIARY
ONY Garden Spires, LLC	46-4544899	SUBSIDIARY
ONY Grote Street, LLC	27-2308555	SUBSIDIARY
Grote Street Developers, LLC	27-2308863	SUBSIDIARY
ONY Harborview Towers, LLC	27-0616100	SUBSIDIARY
Harborview Towers Developers, LLC	27-0619638	SUBSIDIARY
ONY Newport Gardens Apartments, LLC	81-1559738	SUBSIDIARY
Newport Gardens Apartments Developers, LLC	81-1559908	SUBSIDIARY
ONY OLR LBCE, LLC	27-3126921	SUBSIDIARY
OLR LBCE Developers, LLC	27-3127095	SUBSIDIARY
ONY OLR MM, LLC	27-3126431	SUBSIDIARY
ONY River Park Bronx Apartments, LLC	45-5178997	SUBSIDIARY
River Park Bronx Apartments Developers, LLC	45-5179306	SUBSIDIARY
ONY Spruce Spires, LLC	46-4628968	SUBSIDIARY
Spruce Spires Developers, LLC	46-4528914	SUBSIDIARY
ONY Sycamore Village, LLC	26-2603293	SUBSIDIARY
Sycamore Village Developers, LLC	26-2696625	SUBSIDIARY
ONY Twin Parks, LLC	27-2310290	SUBSIDIARY
Twin Parks Developers, LLC	27-2310510	SUBSIDIARY
ONY Wesley, LLC	26-3286670	SUBSIDIARY
ONY West Village, LLC	26-0517489	SUBSIDIARY
West Village Developers, LLC	26-0517581	SUBSIDIARY
ONY Whitney Young, LLC	20-5088014	SUBSIDIARY
Whitney Young Developers, LLC	20-5087669	SUBSIDIARY

COMPANY	FEIN	RELATIONSHIP
TGA GP Holdco Parent LLC (continued)		
ONY Woodland Springs, LLC	47-1436537	SUBSIDIARY
Woodland Springs Developers, LLC	47-1459393	SUBSIDIARY
ONY Woodland Townhomes, LLC	47-5597060	SUBSIDIARY
ONY Funding, LLC	47-5597102	SUBSIDIARY
TGA DF WY Manor LLC	93-2848608	SUBSIDIARY
TGA KT LP LLC	92-3528354	SUBSIDIARY
Warrington Development Limited, LLC	87-3701483	SUBSIDIARY
Warrington Development Partners Limited Partnership	87-3695550	SUBSIDIARY
Warrington I Developers, LLC	87-3695790	SUBSIDIARY
TGA GP NY Holdco LLC	88-4400855	SUBSIDIARY
Archer Green Apartments Developers, LLC	81-4697547	SUBSIDIARY
Archer Green MI Associates, LLC	82-2001335	SUBSIDIARY
Archer Green Apartments Opportunity Fund, LLC	83-0748459	SUBSIDIARY
ONY Acceptance, LLC	85-4233911	SUBSIDIARY
ONY Betty Shabazz, LLC	27-0936457	SUBSIDIARY
Betty Shabazz Developers, LLC	27-0937093	SUBSIDIARY
ONY DCA 1, LLC	45-2704113	SUBSIDIARY
DCA 1 Developers, LLC	45-2702128	SUBSIDIARY
ONY Good Neighbor, LLC	27-3223641	SUBSIDIARY
Good Neighbor Developers, LLC	27-3223796	SUBSIDIARY
ONY Hunts Point, LLC	47-3122905	SUBSIDIARY
Hunts Point Developers, LLC	47-3122662	SUBSIDIARY
ONY Lyngwood Terrace Developers, LLC	46-1840708	SUBSIDIARY
Longwood Residences Developers, LLC	80-0161324	SUBSIDIARY
ONY Maria Lopez, LLC	80-0161335	SUBSIDIARY
Maria Lopez Developers, LLC	27-0935733	SUBSIDIARY
ONY Medgar Evers, LLC	27-0935981	SUBSIDIARY
Medgar Evers Developers, LLC	45-5541057	SUBSIDIARY
ONY Morris Avenue Apartments, LLC	45-5549281	SUBSIDIARY
Morris Avenue Apartments Developers, LLC	47-5325109	SUBSIDIARY
ONY Morris II Apartments, LLC	27-3126017	SUBSIDIARY
ONY OLR ECW, LLC	20-5920876	SUBSIDIARY
ONY Plaza, LLC	20-5921025	SUBSIDIARY
Plaza Developers, LLC	45-3516982	SUBSIDIARY
ONY Southern Blvd I, LLC	45-3517087	SUBSIDIARY
Southern Blvd I Developers, LLC	92-3513586	SUBSIDIARY
TGA AG Manager LLC		SUBSIDIARY
Archer Green Retail LLC		SUBSIDIARY
TGA GP Union Investor LLC	93-3033005	SUBSIDIARY
TGA LP Union Investor LLC	93-3018714	SUBSIDIARY
TGA GP TX HoldCo	92-2882920	SUBSIDIARY
Belle Oak MI Developers, LLC	93-301104247	SUBSIDIARY
Belle Oaks Developers LLC	88-0822913	SUBSIDIARY
Bradford Apartments Developers, LLC	88-0901220	SUBSIDIARY
Chip Townhouses Developers, LLC	88-0822771	SUBSIDIARY
Edenwood Apartments Developers, LLC	88-0709319	SUBSIDIARY
Omni Portfolio II LLC	88-0857294	SUBSIDIARY
Bradford Apartments, L.P.	88-0901067	SUBSIDIARY
Chip Townhouses, L.P.	88-0857235	SUBSIDIARY
Edenwood Apartments, L.P.	88-0937437	SUBSIDIARY
Skyline Terrace Apartments, L.P.	93-2848346	SUBSIDIARY
Skyline Terrace Apartments Developers, LLC	93-3017590	SUBSIDIARY
TGA DF Baytown LLC	93-2789390	SUBSIDIARY
TGA DF Belle Oaks Apts LLC	93-3017887	SUBSIDIARY
TGA DF Bradford Apts LLC	93-2803479	SUBSIDIARY
TGA DF Chip Townhouses LLC	93-3018196	SUBSIDIARY
TGA DF Edenwood Apts LLC	88-2613798	SUBSIDIARY
TGA DF Skyline Terrace Apartments LLC	93-2848078	SUBSIDIARY
Village at Baytown Developers, LLC		SUBSIDIARY
Village Lane Developers LLC		SUBSIDIARY

(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%.

(33) ONY Acceptance, LLC is ultimately controlled and owned entirely by TIAA, with 67.5% owned by TGA GP Holdco LLC and 32.5% owned by TGA GP NY Holdco LLC.

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

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

LISTING 3 (CONTINUED):

COMPANY	FEIN	RELATIONSHIP
TEFF Holdco LLC	81-2146865	SUBSIDIARY
TIAA European Farmland Fund GP LP	98-1310729	SUBSIDIARY
TIAA European Farmland Fund LP	98-1310748	SUBSIDIARY
TEFF Holding S.a.r.l		SUBSIDIARY
Areal II Spolka z o.o.		SUBSIDIARY
Hodowla Zwierzat Zarodowych Choczewo Spolka z o.o.		SUBSIDIARY
Hodowla Zwierzat Zarodowych Wierzuchino Spolka z o.o.		SUBSIDIARY
Hodowla Zwierzat Zarodowych Zarnowiec Spolka z o.o.		SUBSIDIARY
Dangro Invest SA		SUBSIDIARY
AGAT Spolka z o.o.		SUBSIDIARY
AGRA Spolka z o.o.		SUBSIDIARY
AGRAMAX Spolka z o.o.		SUBSIDIARY
AGRIFARM Spolka z o.o.		SUBSIDIARY
AGRO - DUBLINY SP. z o.o.		SUBSIDIARY
AGROSERVICE Spolka z o.o.		SUBSIDIARY
AMAL Spolka z o.o.		SUBSIDIARY
CISY Spolka z o.o.		SUBSIDIARY
KOLNO Spolka z o.o.		SUBSIDIARY
MILKOWO Sp. z o.o.		SUBSIDIARY
SATOPY Spolka z o.o.		SUBSIDIARY
SEE-AGRO SP. z o.o.		SUBSIDIARY
SOBERADZ Spolka z o.o.		SUBSIDIARY
Paszniol SA		SUBSIDIARY
BUDUS Spolka z o.o.		SUBSIDIARY
LOZICE Sp. z o.o.		SUBSIDIARY
OGARDY SP. z o.o.		SUBSIDIARY
ROLA Spolka z o.o.		SUBSIDIARY
ROLPOL Spolka z o.o.		SUBSIDIARY
ROLZBUD Spolka z o.o.		SUBSIDIARY
SZAFIR SP. z o.o.		SUBSIDIARY
WALICHNOWY Sp. z o.o.		SUBSIDIARY
WEZINY SP. z o.o.		SUBSIDIARY
ZIEMROL Spolka z o.o.		SUBSIDIARY
Adamas SA		SUBSIDIARY
AMBER SP. z o.o.		SUBSIDIARY
CIESZYSLAW SP z o.o.		SUBSIDIARY
JAROSLAWSKI I SP. z o.o.		SUBSIDIARY
JAROSLAWSKI II SP. z o.o.		SUBSIDIARY
JASIONNO Spolka z o.o.		SUBSIDIARY
OPAL SP z o.o.		SUBSIDIARY
TETYN SP. z o.o.		SUBSIDIARY
Gospodarstwo Okopy Sp. z o.o.		SUBSIDIARY
Agrohop Bielice Sp. z o.o.		SUBSIDIARY
Agrohop Service Sp. z o.o.		SUBSIDIARY
Agrohop Sp. z o.o.		SUBSIDIARY
Agrohop Bis Sp. z o.o.		SUBSIDIARY
Cieszanowice Solar Park sp. z o.o.		SUBSIDIARY
Przedsiębiorstwo Rolne Okopy Sp. z o.o.		SUBSIDIARY
TGA Minority Interest Holdings LLC	88-1762996	SUBSIDIARY
ND Properties, LLC	11-3034756	SUBSIDIARY
TGA European RE Holdings I, LLC	83-2810033	SUBSIDIARY
TGA Maryland Farms Holdings LLC	84-4773958	SUBSIDIARY
U.S. Cities Office Fund Maryland Farms Co-Invest	84-4775239	SUBSIDIARY
TGA MH Investor Member LLC	84-2765297	SUBSIDIARY
TGA MH III Investor Member LLC	84-2765297	SUBSIDIARY

COMPANY	FEIN	RELATIONSHIP
TGA European RE Holdings I, LLC	83-2810033	SUBSIDIARY
Eagle GPCo S.a.r.l.		SUBSIDIARY
Eagle Partnership SCSp		SUBSIDIARY
Eagle JVCo S.a.r.l.		SUBSIDIARY
CB Kriau Dzwel GmbH		SUBSIDIARY
VIE Student House A GmbH & Co KG		SUBSIDIARY
Eagle Austria Holdings S.a.r.l.		SUBSIDIARY
VIE Student House A GmbH & Co KG		SUBSIDIARY
Eagle Italy I S.r.l.		SUBSIDIARY
Studenthouse Rua Manuel Pereira, S.A		SUBSIDIARY
Wroclaw Fabryczna 22 sp. z o.o.		SUBSIDIARY
Wroclaw Prusa 9 sp. z o.o.		SUBSIDIARY
European Value Add Minority Invest S.a.r.l.		SUBSIDIARY
Preferred Housing Living Limited		SUBSIDIARY
PHL Holdco Limited		SUBSIDIARY
PHL Leeds Limited		SUBSIDIARY
PHL Nottingham Limited		SUBSIDIARY
PHL Telford Limited		SUBSIDIARY
Sustainable Living II GP S.a.r.l.		SUBSIDIARY
TGA Housing Holding S.a.r.l.		SUBSIDIARY
TIAA General Account Housing German Property GmbH		SUBSIDIARY
TIAA General Account Housing German Services GmbH		SUBSIDIARY
TK Living GPCo Sarl		SUBSIDIARY
TK Living Partnership SCSp		SUBSIDIARY
TK Living G5 LLC		SUBSIDIARY
Lotomint S.L.		SUBSIDIARY
Caminsin S.L.		SUBSIDIARY
Crisatino S.L.		SUBSIDIARY
Lucerini, S.L.		SUBSIDIARY
Mangaralia S.L.		SUBSIDIARY
Naralano S.L.		SUBSIDIARY
Sanfergar S.L.		SUBSIDIARY
Stay by Kronos Cordoba S.L.		SUBSIDIARY
Stay by Kronos Tarragona S.L.		SUBSIDIARY
Tinesen S.L.		SUBSIDIARY
Vesterone, S.L.		SUBSIDIARY
Weslinero S.L.		SUBSIDIARY
TGA MKP Member LLC	82-1169084	SUBSIDIARY
TGA MKP Venture LLC	82-1198745	SUBSIDIARY
TGA MKP REIT LLC	82-1187131	SUBSIDIARY
TGA MOB Prescott Member LLC	87-3883343	SUBSIDIARY
TGANX MOB Prescott Venture LLC	87-3883887	SUBSIDIARY
TGANX MOB Prescott LLC	87-3883657	SUBSIDIARY
TGA MOB South Boston LLC	84-3759019	SUBSIDIARY
TGA Montague Investor Member, LLC	81-4232788	SUBSIDIARY
RCD TGA Pierrepont Partners LLC		SUBSIDIARY
TGA Montrose Residences Investor Member, LLC	81-3542251	SUBSIDIARY
The Residences at La Colombe d'Or Investors LLC	81-2872565	SUBSIDIARY
TGA Nex Investor LLC	85-1291326	SUBSIDIARY
TGA NJAHP Investor Member LLC	83-4139835	SUBSIDIARY
TGA NJAHP II Investor Member LLC	84-4574378	SUBSIDIARY
TGA NYC AHP I Investor Member LLC	85-2859128	SUBSIDIARY
TGA North Miller Industrial LLC	84-3740851	SUBSIDIARY
TGA O'Hare Logistics Center IV LLC	84-4774106	SUBSIDIARY
TGA Oak Grove Plaza LLC	88-4069421	SUBSIDIARY

COMPANY	FEIN	RELATIONSHIP
TGA MS Self Storage Investor Member LLC	83-1916152	SUBSIDIARY
Morningstar NRE Self Storage Portfolio LLC	83-2379583	SUBSIDIARY
MSC Bentonville, LLC		SUBSIDIARY
MSC Boerne, LLC		SUBSIDIARY
MSC Budia, LLC		SUBSIDIARY
MSC Carolinas, LLC		SUBSIDIARY
MSC Dam Storage, LLC		SUBSIDIARY
MSC Evans Rd, LLC		SUBSIDIARY
MSC Greenhouse, LLC		SUBSIDIARY
MSC Highway 521 Storage, LLC		SUBSIDIARY
MSC Kemps Landing, LLC		SUBSIDIARY
MSC Midtown Atlanta, LLC		SUBSIDIARY
MSC MTP, LLC		SUBSIDIARY
MSC Peachtree, LLC		SUBSIDIARY
MSC Spring Branch, LLC		SUBSIDIARY
MSC SW Austin, LLC		SUBSIDIARY
MSC Tallahassee, LLC		SUBSIDIARY
MSC Yorktown, LLC		SUBSIDIARY
TGA Octave Apartments LLC	85-3510351	SUBSIDIARY
TGA One Norman Square LLC	87-3969114	SUBSIDIARY
TGA Pacific Landing LLC	85-4396119	SUBSIDIARY
TGA Pacific Landing Phase II LLC	87-1595214	SUBSIDIARY
TGA Park 355 LLC	84-3254652	SUBSIDIARY
TGA Park 55 LLC	84-3254652	SUBSIDIARY
TGA Park 88 LLC	84-3254979	SUBSIDIARY
TGA PC Charleston Club Investor Member LLC	87-3029971	SUBSIDIARY
TGA PC MCF Investor Member LLC	85-3076626	SUBSIDIARY
TGA PC Richmond Investor Member LLC	87-2112453	SUBSIDIARY
TGA Peaceable Investor Member LLC		SUBSIDIARY
TGA Peaceable Investor Member II LLC		SUBSIDIARY
TGA Peaceable Investor Member III LLC		SUBSIDIARY
TGA Peaceable Investor Member 2022 LLC	88-3094495	SUBSIDIARY
TGA Peaceable Investor Member 2023 LLC	93-1981655	SUBSIDIARY
TGA Prairie Point LLC	84-3254652	SUBSIDIARY
TGA Renton Park 405 LLC	84-3830675	SUBSIDIARY
TGA River Club Apartments LLC	87-3533472	SUBSIDIARY
TGA River Club Townhomes LLC	87-3533710	SUBSIDIARY
TGA Roswell Wieuca LLC	92-2699982	SUBSIDIARY
TGA Sandy Commerce Park LLC	83-2938932	SUBSIDIARY
TGA Somerset IC LLC	84-3487605	SUBSIDIARY
TGA Somerset IC II LLC	84-3476142	SUBSIDIARY
TGA Sparrow Investor LLC	85-2863856	SUBSIDIARY
Sparrow Realty Investment I LLC	85-2574637	SUBSIDIARY
Sparrow Realty Investment II LLC		SUBSIDIARY
SN Arizona LLC		SUBSIDIARY
SN DFW LLC		SUBSIDIARY
SN SA LLC	86-1703020	SUBSIDIARY
SN Tampa LLC		SUBSIDIARY
Sparrow Homes US LLC	85-3330672	SUBSIDIARY
TGA Sparrow II Investor LLC	87-4748024	SUBSIDIARY
Sparrow Realty Investment II, LLC		SUBSIDIARY
Sparrow Realty Investment WHF II, LLC		SUBSIDIARY
TGA Specialty Shops Investor Member LLC	93-2519414	SUBSIDIARY
TGA HP Specialty Shops Venture LLC	92-2619924	SUBSIDIARY
TGA HP Specialty Shops Owner LLC	92-2659927	SUBSIDIARY
TGA Sterling DC LLC	84-3255382	SUBSIDIARY
TGA TGA Durham Logistics Center Investor Member LLC	87-1763260	SUBSIDIARY
TGA TGA 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.

(34) 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.

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

(36) VIE Student House A GmbH & Co KG is controlled by TIAA, and partially owned indirectly by Eagle Austria Holdings S.a.r.l., which owns 94%, and CB Kriau Dzwel GmbH, which owns 6%.

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

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

LISTING 3 (CONTINUED):

COMPANY	FEIN	RELATIONSHIP
TGA SP-MPC Housing Investor Member LLC	83-2063402	SUBSIDIARY
TGA-SP Housing Venture I LLC	83-2147240	SUBSIDIARY
TGA SP-MPC Housing Venture II LLC	83-2123785	SUBSIDIARY
MPSP Ashwood Homes LLC	83-1869400	SUBSIDIARY
MPSP Ashwood MHC LLC	83-1869494	SUBSIDIARY
MPSP Bellline Homes LLC	84-2331138	SUBSIDIARY
MPSP Bellline Lender LLC	84-2345909	SUBSIDIARY
MPSP Bellline MHC LLC	84-2216330	SUBSIDIARY
MPSP Center Grove Homes LLC	83-1088601	SUBSIDIARY
MPSP Center Grove Lender LLC	83-2290040	SUBSIDIARY
MPSP Center Grove MHC LLC	83-1076792	SUBSIDIARY
MPSP Colinas South Homes LLC	84-2158715	SUBSIDIARY
MPSP Colinas South Lender LLC	84-2158791	SUBSIDIARY
MPSP Colinas South MHC LLC	84-2169896	SUBSIDIARY
MPSP Estancia Homes LLC	84-2169873	SUBSIDIARY
MPSP Estancia Lender LLC	84-2277681	SUBSIDIARY
MPSP Estancia MHC LLC	84-1976109	SUBSIDIARY
MPSP Fairlane Oaks Homes LLC	83-4260197	SUBSIDIARY
MPSP Fairlane Oaks Lender LLC	83-4283444	SUBSIDIARY
MPSP Fairlane Oaks MHC LLC	83-4241248	SUBSIDIARY
MPSP Lakeview Homes LLC	84-2290488	SUBSIDIARY
MPSP Lakeview Lender LLC	84-2319726	SUBSIDIARY
MPSP Lakeview MHC LLC	84-2199063	SUBSIDIARY
MPSP Lemon Tree Homes LLC	83-1213262	SUBSIDIARY
MPSP Lemon Tree MHC LLC	83-2548459	SUBSIDIARY
MPSP Mobile Gardens Homes LLC	83-1230821	SUBSIDIARY
MPSP Mobile Gardens MHC LLC	83-1230714	SUBSIDIARY
MPSP Parker Homes LLC	84-2379528	SUBSIDIARY
MPSP Parker Lender LLC	84-2389423	SUBSIDIARY
MPSP Parker MHC LLC	84-2247177	SUBSIDIARY
MPSP Seven Oaks Homes LLC	84-2277774	SUBSIDIARY
MPSP Seven Oaks Lender LLC	84-2290439	SUBSIDIARY
MPSP Seven Oaks MHC LLC	84-2198856	SUBSIDIARY
MPSP Shloh Homes LLC	83-2700633	SUBSIDIARY
MPSP Shloh Lender LLC	83-2725391	SUBSIDIARY
MPSP Shloh MHC LLC	83-2700544	SUBSIDIARY
MPSP South Concho Homes LLC	84-2428644	SUBSIDIARY
MPSP South Concho Lender LLC	84-2436652	SUBSIDIARY
MPSP South Concho MHC LLC	84-2261982	SUBSIDIARY
MPSP Stonegate Homes LLC	83-2736822	SUBSIDIARY
MPSP Stonegate Lender LLC	83-2736936	SUBSIDIARY
MPSP Stonegate MHC LLC	83-2725560	SUBSIDIARY
MPSP TC GH Homes LLC	84-2319873	SUBSIDIARY
MPSP TC GH Lender LLC	84-2331064	SUBSIDIARY
MPSP TC GH MHC LLC	84-2216156	SUBSIDIARY
MPSP TC Sherman Homes LLC	84-2389479	SUBSIDIARY
MPSP TC Sherman Lender LLC	84-2428588	SUBSIDIARY
MPSP TC Sherman MHC LLC	84-2247220	SUBSIDIARY
MPSP Wildwood Acres Homes LLC	84-2345969	SUBSIDIARY
MPSP Wildwood Acres Lender LLC	84-2361787	SUBSIDIARY
MPSP Wildwood Acres MHC LLC	84-2239609	SUBSIDIARY
MPSP Wildwood Village Homes LLC	84-2361842	SUBSIDIARY
MPSP Wildwood Village Lender LLC	84-2379481	SUBSIDIARY
MPSP Wildwood Village MHC LLC	84-2239646	SUBSIDIARY
MPSP Windsong Homes LLC	83-2848324	SUBSIDIARY
MPSP Windsong Lender LLC	83-2848439	SUBSIDIARY
MPSP Windsong MHC LLC	83-2861026	SUBSIDIARY

COMPANY	FEIN	RELATIONSHIP
TGA SS Self Storage Portfolio Investor Member LLC	86-1741788	SUBSIDIARY
TGA SS Self Storage Tranche I Venture LP	87-2470916	SUBSIDIARY
Newmarket HCG LP		SUBSIDIARY
Seminole Storage Units I LP	83-1608525	SUBSIDIARY
TGA T1 SC Glenn Heights LP		SUBSIDIARY
TGA T1 SC Millenia LP		SUBSIDIARY
TGA T1 SC San Marco LP		SUBSIDIARY
TGA SS Self Storage Portfolio Venture LP	86-1714431	SUBSIDIARY
TGA SC Bonita Springs LP	86-1623164	SUBSIDIARY
TGA SC Columbus Ford LP	86-1624012	SUBSIDIARY
TGA SC Columbus Veterans LP	86-1623724	SUBSIDIARY
TGA SC Erie Avenue LP	86-1639097	SUBSIDIARY
TGA SC Gainesville LP	86-1623454	SUBSIDIARY
TGA SC Germantown LP	86-1639333	SUBSIDIARY
TGA SC Glenn Heights LP	86-1676901	SUBSIDIARY
TGA SC Global Indy I LP	86-1638763	SUBSIDIARY
TGA SC Houston LP	86-1677082	SUBSIDIARY
TGA SC Indianapolis 29th Street LP	86-1638905	SUBSIDIARY
TGA SC Kensington LP	86-1639231	SUBSIDIARY
TGA SC Lancaster LP	86-1676331	SUBSIDIARY
TGA The Warehouse At Ch II Investor Member LLC	86-1749539	SUBSIDIARY
TGAP The Warehouse at CH II LLC	86-1548653	SUBSIDIARY
TGAP The Warehouse at CH II Owner LLC	86-1548790	SUBSIDIARY
TGA TMO IN Portfolio Investor Member LLC	88-1150650	SUBSIDIARY
TGA Tri-State Center LLC	83-2548459	SUBSIDIARY
TGA Twelve100 Apartments LLC	85-3917654	SUBSIDIARY
TGA UMH Properties Investor Member LLC	87-3992892	SUBSIDIARY
TGA UMH Venture Tranche 1 LLC		SUBSIDIARY
Sebring Square MHC TGA, LLC		SUBSIDIARY
TGA University Trails Investor Member LLC	87-4552535	SUBSIDIARY
TGAP University Trails LLC	87-4257683	SUBSIDIARY
TGAP University Trails Owner LLC	87-4257544	SUBSIDIARY
TGA Van Dorens West LLC	84-3830895	SUBSIDIARY
TGA Vista Point South LLC	84-3441798	SUBSIDIARY
TGA Washington DC CC LLC	84-3527380	SUBSIDIARY
TGA Westport Distribution Center LLC	84-2939589	SUBSIDIARY
TGANX MOB Wheat Ridge LLC	92-1383692	SUBSIDIARY
TGA Yorktown Apartments LLC	83-0723201	SUBSIDIARY
TGAM Agribusiness Fund LP	81-1994278	SUBSIDIARY
TGA-MJC MHC LLC	87-3750360	SUBSIDIARY
TGA-MJC Palladian LLC	87-3750130	SUBSIDIARY
TGA-MJC Van Allen LLC	87-3750414	SUBSIDIARY
TIAA Administrative Services LLC	82-2826183	SUBSIDIARY
TIAA CLO I Ltd		SUBSIDIARY
TIAA CLO I Holding, LLC	84-1905731	SUBSIDIARY
TIAA CLO II Ltd		SUBSIDIARY
TIAA CLO II LLC		SUBSIDIARY
TIAA CLO II Holding, LLC		SUBSIDIARY
TIAA CLO III Ltd.		SUBSIDIARY
TIAA CLO III LLC		SUBSIDIARY
TIAA CLO IV Ltd.		SUBSIDIARY

COMPANY	FEIN	RELATIONSHIP
TIAA CMBS I, LLC	13-4173396	SUBSIDIARY
TIAA CMBS I Trust	13-4173396	SUBSIDIARY
TIAA Diversified Public Investments, LLC	47-4570655	SUBSIDIARY
TIAA GBS Holding LLC	81-1241294	SUBSIDIARY
TIAA GBS Singapore Pty. Ltd.		SUBSIDIARY
TIAA Global Capabilities Private Limited		SUBSIDIARY
TIAA Global Ag Holdco LLC	27-5551198	SUBSIDIARY
Global Agriculture AIV (US) LLC	45-5044364	SUBSIDIARY
Global Ag Properties USA LLC	45-1531685	SUBSIDIARY
Loma del Rio Vineyards, LLC	80-0843991	SUBSIDIARY
Suganoaf Vineyard, LLC	46-2577906	SUBSIDIARY
Global Agriculture II AIV (US) LLC	47-1063514	SUBSIDIARY
Global Ag Properties II USA LLC	47-1069783	SUBSIDIARY
TIAA-CREF Global Agriculture LLC	27-5551341	SUBSIDIARY
Global AG Properties Australia Pty. Ltd.		SUBSIDIARY
Global AG Properties Australia Trust		SUBSIDIARY
Nova Gaia Brasil Participaco Ltda.		SUBSIDIARY
Tellus Brasil Participaco S.A.		SUBSIDIARY
Terraviva Brasil Participaco Ltda.		SUBSIDIARY
Tellus Brasil Participaco S.A.		SUBSIDIARY
Agrobio Investimentos e Participações S.A.		SUBSIDIARY
Cerpon Participações S.A.		SUBSIDIARY
Nova Ibiajara Propriedades Agricolas S.A.		SUBSIDIARY
Tellus Bahia Propriedades Agricolas Ltda.		SUBSIDIARY
TGA Tri-State Corp	84-3527380	SUBSIDIARY
Terrainvest Propriedades Agricolas S.A.		SUBSIDIARY
Tparone Participações S.A.		SUBSIDIARY
Toperone Agricola S.A.		SUBSIDIARY
Tparwo Participações S.A.		SUBSIDIARY
Topertwo Agricola S.A.		SUBSIDIARY
TIAA-CREF Global Agriculture BR, LLC	45-1502187	SUBSIDIARY
Nova Gaia Brasil Participaco Ltda.		SUBSIDIARY
Terraviva Brasil Participaco Ltda.		SUBSIDIARY
TIAA-CREF Global Agriculture II LLC	47-0974399	SUBSIDIARY
TIAA-CREF Global Agriculture BR, LLC	45-1067380	SUBSIDIARY
TIAA Global Public Investments, LLC	26-3594208	SUBSIDIARY
TIAA Global Timberlands, LLC	85-4309290	SUBSIDIARY
Apical Reforestadora S.A.		SUBSIDIARY
Quercus Panama, LLC		SUBSIDIARY
TIAA GTR HoldCo, LLC	46-3881813	SUBSIDIARY
Global Timber Resources LLC	46-3210500	SUBSIDIARY
Global Timber SA LLC	46-3909387	SUBSIDIARY
Forestal GTR Chile Limitada		SUBSIDIARY
Global Timber International LLC	46-3899490	SUBSIDIARY
TIAA CLO I LLC		SUBSIDIARY
Forestal Monterrey Colombia SAS	98-1206384	SUBSIDIARY
Global Timber Resources Colombia, S.A.S.		SUBSIDIARY
Monte Fresnos Asociacion Agraria de Responsabilidad LTDA		SUBSIDIARY
Monte Fresnos, S.A.		SUBSIDIARY
Taurion Asociacion Agraria de Responsabilidad LTDA		SUBSIDIARY
Taurion, S.A.		SUBSIDIARY
GT Europe Cooperatief U.A.		SUBSIDIARY
Global Timber NL, B.V.		SUBSIDIARY
GTR Brasil Participacoes Ltda		SUBSIDIARY
Brasilwood Reflorestamento S.A.		SUBSIDIARY
Brasilwood Terras Florestais S.A.		SUBSIDIARY
Mogno das Alterosas Investimentos Florestais S.A.		SUBSIDIARY
Mamoneira Agropastori S.A.		AFFILIATE
Jatoba Brasil Investimentos Florestais Ltda		SUBSIDIARY
Paineira Investimentos Florestais S.A.		SUBSIDIARY

(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.

(37) 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.

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

(39) 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 SEPTEMBER 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	87-3292824	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
1595 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 Retail Fund LP	82-3970010	SUBSIDIARY
EPP Renewable Energy, LLC		SUBSIDIARY	U.S. Cities Retail Fund REIT LLC	82-4016503	SUBSIDIARY
North American Sustainable Energy GP, LLC		SUBSIDIARY	U.S. Cities Retail Fund Operating GP LLC	82-4069923	SUBSIDIARY
North American Sustainable Energy Manager, LLC		SUBSIDIARY	U.S. Cities Retail Fund Operating LP	82-4037905	SUBSIDIARY
TIAA NBS, LLC		SUBSIDIARY	T-C 919 N. Michigan Avenue Retail, LLC	48-0750331	SUBSIDIARY
TIAA Oil and Gas Investments, LLC	45-2665869	SUBSIDIARY	USCRF KRG JV Investor Member LLC		SUBSIDIARY
Actgas, LLC	45-1286237	SUBSIDIARY	KRG – USCRF Retail Portfolio LLC	37-1904986	SUBSIDIARY
Actoil Bakken, LLC	48-3410649	SUBSIDIARY	KRG 951 & 41, LLC		SUBSIDIARY
Actoil Utica, LLC	46-3628993	SUBSIDIARY	KRG Livingston Center, LLC		SUBSIDIARY
TIAA Realty, LLC	11-3519531	SUBSIDIARY	KRG-USCRF Plaza Volente, LLC		SUBSIDIARY
T-C 77 Central LLC	81-0902394	SUBSIDIARY	U.S. Cities Workplace Fund LP	38-4104483	SUBSIDIARY
T-C 680 Belleville LLC	47-2249307	SUBSIDIARY	U.S. Cities Workplace Fund REIT LLC	61-1914684	SUBSIDIARY
T-C Port Northwest Development, LLC	46-2678242	SUBSIDIARY	U.S. Cities Workplace Fund Operating GP LLC		SUBSIDIARY
TGA 70 Federal Street LLC	81-3961919	SUBSIDIARY	U.S. Cities Workplace Fund Operating LP	36-4919858	SUBSIDIARY
TGA Montgomery Promote Investor Member LLC		SUBSIDIARY	USCOF 5500, Jefferson Member LLC	87-4626701	SUBSIDIARY
TIAA RFS, LLC	82-2885306	SUBSIDIARY	USCOF Maryland Farms Holdings LLC	84-4773752	SUBSIDIARY
TIAA Advisory, LLC	82-2335773	SUBSIDIARY	U.S. Cities Office Fund Maryland Farms Co-Invest	84-4775239	(35)
TIAA-CREF Insurance Agency, LLC	20-2904312	SUBSIDIARY	VRE-NRE Maryland Farms Venture	84-4775394	SUBSIDIARY
TIAA Shared Services, LLC	85-3343718	SUBSIDIARY	USCOF Mobius Operating Member LLC	87-1365205	SUBSIDIARY
TIAA SMA Strategies, LLC	81-2755014	SUBSIDIARY	USCOF Optical Court LLC	85-3371600	SUBSIDIARY
TIAA-Stonepeak Investments I, LLC	45-3029655	SUBSIDIARY	U.S. Core-Plus Real Estate Debt Fund LP	82-3988257	SUBSIDIARY
TIAA-Stonepeak Investments II, LLC	45-3030923	SUBSIDIARY	CRED REIT LLC	82-3760575	SUBSIDIARY
TIAA Super Regional Mall Member Sub, LLC	45-3164764	SUBSIDIARY	CRED REIT Holdco LLC	47-1938723	SUBSIDIARY
T-C Super Regional Mall Venture, LLC	45-3164764	SUBSIDIARY	CRED Glenhardie LLC	84-2113010	SUBSIDIARY
T-C International Plaza REIT LLC		SUBSIDIARY	CRED REIT Holdco Alta LLC	86-3290456	SUBSIDIARY
T-C International Plaza Investor GP LLC	46-4653326	SUBSIDIARY	CRED REIT Holdco Hacienda LLC	87-1440716	SUBSIDIARY
T-C International Plaza Investor LP LLC	46-4680948	SUBSIDIARY	CRED REIT Holdco Phoenix Industrial LLC	87-0979505	SUBSIDIARY
Tampa Westshore Associates Limited Partnership	38-3173536	AFFILIATE	CRED REIT Holdco Seller LLC	83-2024014	SUBSIDIARY
T-C Las Vegas Retail REIT LLC	46-2713521	SUBSIDIARY	CRED REIT Holdco TRS LLC	81-1392434	SUBSIDIARY
T-C Las Vegas Retail Investor LLC	46-2726147	SUBSIDIARY	CRED REIT Holdco Velocity LLC	81-1392434	SUBSIDIARY
Grand Canal Shoppes Holdings, LLC		AFFILIATE	CRED REIT Manager LLC	82-4800804	SUBSIDIARY
T-C Midwest REIT, LLC	45-3165203	SUBSIDIARY	CRED REIT Member LP	82-5347019	SUBSIDIARY
T-C Midwest Retail, LLC	45-2211957	SUBSIDIARY	CRED SJA 555 Mangum, LLC	87-2932666	SUBSIDIARY
CBLT/T-C, LLC		SUBSIDIARY	CRED SJA Montgomery Mall REIT, LLC	88-1712191	SUBSIDIARY
T-C Montgomery Mall REIT, LLC		SUBSIDIARY	CRED SJA Norcross LLC	88-3419951	SUBSIDIARY
T-C Montgomery Mall, LLC	27-4117159	SUBSIDIARY	CRED SJA Sonoma LLC	88-1712389	SUBSIDIARY
Montgomery Mall of Maryland, LLC	95-4658637	SUBSIDIARY	CRED SJA Vistas LLC	88-2696709	SUBSIDIARY
TIAA SynGas, LLC	45-1286386	SUBSIDIARY	CRED SJA Woodland LLC	88-3419525	SUBSIDIARY
730 Catsolar, LLC	13-1624203	SUBSIDIARY	CRED Slabtown LLC	83-3184068	SUBSIDIARY
TIAA Trust, National Association	93-1503568	SUBSIDIARY	CRED Slabtown II LLC	92-3659192	SUBSIDIARY
Union Place Phase I, LLC	20-8892977	SUBSIDIARY	CRED West Coast Industrial LLC	83-4107560	SUBSIDIARY
Union Place Phase I, LLC	20-6281443	SUBSIDIARY	U.S. Strategic Industrial Fund II LP	85-2116787	AFFILIATE
TIAA Ventures LLC	88-3094952	SUBSIDIARY	Western A Midwest TN, LLC	84-3440905	SUBSIDIARY
TIAA Wind Investments, LLC	45-4486211	SUBSIDIARY	Whole Loan Ownership Trust	93-6444961	SUBSIDIARY
Capistrano Wind Partners, LLC	45-3743502	AFFILIATE	Winslow Growth Capital Fund II, L.P.	83-1931152	SUBSIDIARY
TIAA-CREF Individual & Institutional Services, LLC	55-0856733	SUBSIDIARY	WRC Properties, LLC	51-0141732	SUBSIDIARY
TIAA-CREF LPHC, LLC	20-8384004	SUBSIDIARY			
TIAA-CREF Real Property Fund GP, LLC	46-1191235	SUBSIDIARY			
TIAA-CREF Redwood, LLC	20-5591124	SUBSIDIARY			
TIAA Kapsick, LLC	20-5631854	SUBSIDIARY			
TIAA-CREF Tullon Financing, Inc.	13-4026557	SUBSIDIARY			

(35) 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 SEPTEMBER 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			Churchill DLC Advisor 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 Churchill 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		

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 .....		.....
			93-3609614 ..				PACEWell 10 LLC	..DE....	..NIA.....	Greenworks Lending LLC	Ownership.....	100.000 ..	TIAA Board of Governors .....		.....
			93-3532558 ..				NGC P 1 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 .....		.....
			93-1778449 ..				Nuveen EIC Administration 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 ..
			81-4498397 ..	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 ..
			81-4498397 ..	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 ..
			81-4498397 ..	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 ..
							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		

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.....			47-4557075 ..	4887580			Greenwood Resources Forest Management, LLC ..	..DE.....	..NIA.....	GreenWood Resources, Inc.	Ownership.....	100.000 ...	TIAA Board of Governors		
.....			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 AM LLC	..DE.....	..NIA.....	Arcmont Asset Management Holdco Ltd.	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....							Arcmont Asset Management France SAS	..FRA.....	..NIA.....	Arcmont Asset Management Holdco Ltd.	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....							Arcmont Asset Management Germany Gmbh	..DEU.....	..NIA.....	Arcmont Asset Management Holdco Ltd.	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 .....	.....	.....
.....							Private Debt Carried Interest General Partner II S.a.r.l.	..LUX.....	..NIA.....	Arcmont Asset Management Holdco Ltd.	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	.....
.....							CAM HR Holdco LLC	..DE.....	..NIA.....	Nuveen Private Capital LLC	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 .....	.....	.....
.....				5695102 .....	.....	.....	CNV Investor GP, LLC	..DE.....	..NIA.....	Churchill Asset Management LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....	.....	200 ..
.....			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		

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

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				5720219			Churchill Co-Investment Partners GP, LLC	..DE.....	..NIA.....	Churchill Asset Management LLC	Ownership.....	100.000	TIAA Board of Governors		
							Churchill Co-Investment Partners II (Lux) GP S.a.r.l.	..LUX.....	..NIA.....	Churchill Asset Management LLC	Ownership.....	100.000	TIAA Board of Governors		
			47-3156644				Churchill Co-Investment Partners II (US) 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 Fund V GP LLC	..DE.....	..NIA.....	Churchill Asset Management LLC	Ownership.....	100.000	TIAA Board of Governors		
				5616545			Churchill Junior Capital Opportunities Fund II Carry-Co, LLC	..DE.....	..NIA.....	Churchill Asset Management LLC	Ownership.....	100.000	TIAA Board of Governors		
				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		
							Churchill Lux GP, S.a.r.l.	..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			Churchill BDC 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		
			20-1149846				Omni New York LLC	..NY.....	..NIA.....	Omni Holding Company 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 LLC	..DE.....	..NIA.....	Omni Holding Company LLC	Ownership.....	100.000	TIAA Board of Governors		
			84-2502695	5652794			Nuveen Development Management Services LLC	..DE.....	..NIA.....	Nuveen Real Estate Global LLC	Ownership.....	100.000	TIAA Board of Governors		
							Nuveen Industrial Development Management Services LLC	..DE.....	..NIA.....	Nuveen Development Management Services 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		
							NRE US Strategic Self-Storage Fund GP Holdco LLC	..DE.....	..NIA.....	Nuveen Real Estate Global LLC	Ownership.....	100.000	TIAA Board of Governors		
			93-2717106							NRE US Strategic Self-Storage Fund GP	Ownership.....	100.000	TIAA Board of Governors		
							NRE US Strategic Self-Storage Fund GP LLC	..DE.....	..NIA.....	Holdco LLC	Ownership.....	100.000	TIAA Board of Governors		
			93-2717285				Nuveen Casa Bonita SMA GP LLC	..DE.....	..NIA.....	Nuveen GP Holding Company LLC	Ownership.....	100.000	TIAA Board of Governors		
			88-4085231	5785290			Nuveen CRED GP Member LLC	..DE.....	..NIA.....	Nuveen GP Holding Company LLC	Ownership.....	100.000	TIAA Board of Governors		
			82-4598778	5534685			CRED GP LLC	..DE.....	..NIA.....	Nuveen CRED GP Member LLC	Ownership.....	50.000	TIAA Board of Governors		
			82-3751720	5593413			CRED Rated Feeder GP LLC	..DE.....	..NIA.....	CRED GP LLC	Ownership.....	100.000	TIAA Board of Governors		
			85-2413081	5593422			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		
			86-1561520	5618745			Nuveen Real Estate U.S. Impact Housing Fund GP LLC	..DE.....	..NIA.....	Nuveen GP Holding Company LLC	Ownership.....	100.000	TIAA Board of Governors		
			88-1469500	5729203			Nuveen Real Estate U.S. Strategic Lab Vehicle GP LLC	..DE.....	..NIA.....	Nuveen GP Holding Company LLC	Ownership.....	100.000	TIAA Board of Governors		
			88-1444180	5729137				..DE.....	..NIA.....	Nuveen GP Holding Company LLC	Ownership.....	100.000	TIAA Board of Governors		

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			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								
			92-2330086 ..					.. DE.....	 NIA.....	U.S. Cities Diversified Fund REIT LLC	Ownership.....	100.000 ..	TIAA Board of Governors		
			92-2350698 ..				U.S. Cities Diversified Fund Operating LP ..	.. DE.....	 NIA.....	U.S. Cities Diversified Fund REIT LLC	Ownership.....	100.000 ..	TIAA Board of Governors		
			35-2633108 ..	5116616 ..			U.S. Cities Multifamily Fund GP LLC	.. DE.....	 NIA.....	Nuveen GP Holding Company LLC	Ownership.....	100.000 ..	TIAA Board of Governors		
			82-4054235 ..	5672019 ..			U.S. Cities Retail Fund GP LLC	.. DE.....	 NIA.....	Nuveen GP Holding Company LLC	Ownership.....	100.000 ..	TIAA Board of Governors		
				5116625 ..			U.S. Cities Workplace Fund 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 GP LLC	.. DE.....	 NIA.....	Nuveen GP Holding Company LLC	Ownership.....	100.000 ..	TIAA Board of Governors		
			88-0582227 ..	5720161 ..			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		
							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		
			87-1466953 ..				SAF Sparrow Realty Managing Member I, LLC ..	.. DE.....	 NIA.....	Imajn Homes Holdings, LLC	Ownership.....	100.000 ..	TIAA Board of Governors		
							Sparrow Realty Investment I Managing Member LLC	.. DE.....	 NIA.....	Imajn Homes Holdings, LLC	Ownership.....	100.000 ..	TIAA Board of Governors		
			85-2603852 ..	5616022 ..			Sparrow Realty Investment II Managing Member, LLC	.. DE.....	 NIA.....	Imajn Homes Holdings, LLC	Ownership.....	100.000 ..	TIAA Board of Governors		
							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.....	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 ..								
			82-3426937 ..	5659458 ..				.. DE.....	 NIA.....	Nuveen Real Estate Global LLC	Ownership.....	100.000 ..	TIAA Board of Governors		
			46-1162850 ..	4617620 ..			TIAA International Holdings 1 Limited	..GBR.....	 NIA.....	Nuveen Real Estate Global LLC	Ownership.....	100.000 ..	TIAA Board of Governors		
				5691908 ..			Clean Energy Partners HoldCo LLP	..GBR.....	 NIA.....	TIAA International Holdings 1 Limited	Ownership.....	1.000 ..	TIAA Board of Governors		1000 ..
			46-1163394 ..	4617639 ..			TIAA International Holdings 2 Limited	..GBR.....	 NIA.....	Nuveen Real Estate Global LLC	Ownership.....	100.000 ..	TIAA Board of Governors		
				5691908 ..			Clean Energy Partners HoldCo LLP	..GBR.....	 NIA.....	TIAA International Holdings 2 Limited	Ownership.....	99.000 ..	TIAA Board of Governors		1000 ..
				5691917 ..			Clean Energy Partners LLP	..GBR.....	 NIA.....	Clean Energy Partners HoldCo LLP	Ownership.....	100.000 ..	TIAA Board of Governors		
				5691926 ..			Glennmont Asset Management Limited	..GBR.....	 NIA.....	Clean Energy Partners HoldCo LLP	Ownership.....	100.000 ..	TIAA Board of Governors		
				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 ..			Clean Energy Partners CEP Services Limited ..	..GBR.....	 NIA.....	Glennmont Asset Management Limited	Ownership.....	100.000 ..	TIAA Board of Governors		
				5692044 ..			Glennmont Partners III S.à r.l.	..LUX.....	 NIA.....	Glennmont Asset Management Limited	Ownership.....	100.000 ..	TIAA Board of Governors		
				5692053 ..			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		

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)	*
			98-1125673 ..	4617705			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
			98-1127648 ..	4618195			Nuveen Administration Ltd	..GBR.....	..NIA.....	Nuveen Investment Management Holdings Limited	Ownership.....	.. 100.000	TIAA Board of Governors		
			98-1128805 ..	4618216			Nuveen Europe Holdings Limited	..GBR.....	..NIA.....	Nuveen Investment Management Holdings Limited	Ownership.....	.. 100.000	TIAA Board of Governors		
				4715955			Henderson European Retail Property Fund Management Sarl	..LUX.....	..NIA.....	Nuveen Europe Holdings Limited	Ownership.....	..94.900	TIAA Board of Governors		
				5704246			Nuveen Alternatives Europe S.à.r.l	..LUX.....	..NIA.....	Nuveen Europe Holdings Limited	Ownership.....	.. 100.000	TIAA Board of Governors		
				5704237			Nuveen Asset Management Europe S.à.r.l	..LUX.....	..NIA.....	Nuveen Europe Holdings Limited	Ownership.....	.. 100.000	TIAA Board of Governors		
				4716756			Nuveen Fund Management (Jersey) Limited	..JEY.....	..NIA.....	Nuveen Europe Holdings Limited	Ownership.....	.. 100.000	TIAA Board of Governors		
				4716774			Nuveen Management AIFM Limited	..GBR.....	..NIA.....	Nuveen Europe Holdings Limited	Ownership.....	.. 100.000	TIAA Board of Governors		
				4715946			Nuveen Management Company (Luxembourg) No 1 Sarl	..LUX.....	..NIA.....	Nuveen Europe Holdings Limited	Ownership.....	..94.900	TIAA Board of Governors		
				4716765			Nuveen Property Management (Jersey) Limited	..JEY.....	..NIA.....	Nuveen Europe Holdings Limited	Ownership.....	.. 100.000	TIAA Board of Governors		
			98-1128787 ..	4618243			Nuveen FCACO Ltd	..GBR.....	..NIA.....	Nuveen Investment Management Holdings Limited	Ownership.....	.. 100.000	TIAA Board of Governors		
				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		
				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	..GBR.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	.. 100.000	TIAA Board of Governors		
				4747059			Nuveen (France) SAS	..FRA.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	.. 100.000	TIAA Board of Governors		
				4715236			Nuveen Italy Srl	..ITA.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	.. 100.000	TIAA Board of Governors		
				4901244			Nuveen Management Austria GmbH	..AUT.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	.. 65.000	TIAA Board of Governors		
				4715357			Nuveen Management Finland Oy	..FIN.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	.. 100.000	TIAA Board of Governors		
				5474008			Nuveen Operations Limited	..GBR.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	.. 100.000	TIAA Board of Governors		
				4747152			Nuveen Australia Ltd.	..AUS.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	.. 100.000	TIAA Board of Governors		
				4841265			Nuveen Real Estate Debt Partners (GP) Sarl ..	..LUX.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	.. 100.000	TIAA Board of Governors		
			4841256												

STATEMENT AS OF SEPTEMBER 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)					
.....				5134816 .....	.....	.....	Nuveen Real Estate Debt Partners II (GP) S.à.r.l	..LUX.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				5485004 .....	.....	.....	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 .....	.....	.. 1200
.....				5704152 .....	.....	.....	Nuveen Real Estate Debt Partners III (GP) S.à.r.l	..LUX.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4715919 .....	.....	.....	Nuveen Singapore Private Limited	..SGP.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				5835814 .....	.....	.....	Nuveen Switzerland GmbH	..SWZ.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4715254 .....	.....	.....	OMP (GP) Limited	..GBR.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4901235 .....	.....	.....	T-C Lux Investments GP Sarl	..LUX.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				5700538 .....	.....	.....	Tokyo Multifamily GP PTE Ltd	..LUX.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4715272 .....	.....	.....	UK OM (LP1) (GP) Limited	..GBR.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4841292 .....	.....	.....	UK OM (LP1) Limited	..GBR.....	..NIA.....	UK OM (LP1) (GP) Limited	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4715290 .....	.....	.....	UK OM (LP2) (GP) Limited	..GBR.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4841283 .....	.....	.....	UK OM (LP2) Limited	..GBR.....	..NIA.....	UK OM (LP2) (GP) Limited	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4715320 .....	.....	.....	UK OM (LP3) (GP) Limited	..GBR.....	..NIA.....	Nuveen Group Holdings Ltd	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				4841274 .....	.....	.....	UK OM (LP3) Limited	..GBR.....	..NIA.....	UK OM (LP3) (GP) Limited	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				82-4266474	5586518 .....	.....	Nuveen Real Estate NYC Property Fund GP Member LLC	..DE.....	..NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				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 .....	.....	TCGA BT AIV, LLC	..DE.....	..NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				45-5139523	4867368 .....	.....	TCGA Investor Fund GP, LLC	..DE.....	..NIA.....	Nuveen Alternative Holdings, LLC	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....				47-3511076	4843278 .....	.....	TCGA 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 .....	.....	.....

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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Ownership Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Yes/No)	*
			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	5486681			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		
			13-3760073	4313306	939222		Teachers Advisors, LLC	..DE.....	..NIA.....	Nuveen Finance, LLC	Ownership.....	..100.000	TIAA Board of Governors		
			82-1157427	5659364			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			Teachers Insurance and Annuity Association of America	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors		
			81-3091169	5026603			Teachers Insurance and Annuity Association of America	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors		
			81-3106043	5036303			730 Data Centers, LLC	..DE.....	..NIA.....	730 Data Centers, LLC	Ownership.....	..100.000	TIAA Board of Governors		
				5729182			730 Databridge, LLC	..DE.....	..NIA.....	730 Data Centers, LLC	Ownership.....	..100.000	TIAA Board of Governors		
							Rocket 730 Data Bridge, LP	..DE.....	..NIA.....	730 Databridge, LLC	Ownership.....	..99.000	TIAA Board of Governors		
			93-3668565				Teachers Insurance and Annuity Association of America	..DE.....	..NIA.....	730 Databridge, LLC	Ownership.....	..100.000	TIAA Board of Governors		
				5704228			730 Digital Infra LLC	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors		
				5704433			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		
			92-0957956	5719400			Teachers Insurance and Annuity Association of America	..DE.....	..NIA.....	730 Lighting, LLC	Ownership.....	..100.000	TIAA Board of Governors		
							730 Lighting, LLC	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors		
							Freeway Lighting Partners Holding Company, LLC	..DE.....	..NIA.....	730 Lighting, LLC	Ownership.....	..100.000	TIAA Board of Governors		
							Freeway Lighting Partners Holding Company, LLC	..DE.....	..NIA.....	Freeway Lighting Partners Holding Company, LLC	Ownership.....	..100.000	TIAA Board of Governors		
			47-2616735	4801719			Teachers Insurance and Annuity Association of America	..DE.....	..NIA.....	730 Lighting, LLC	Ownership.....	..100.000	TIAA Board of Governors		
			47-2622825	4810784			730 Power Development, LLC	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors		
			4949107	4949107			730 Carroll, LLC	..DE.....	..NIA.....	730 Power Development, LLC	Ownership.....	..100.000	TIAA Board of Governors		
				5777679			730 Cricket, LLC	..DE.....	..NIA.....	730 Power Development, LLC	Ownership.....	..100.000	TIAA Board of Governors		
				5777727			Teachers Insurance and Annuity Association of America	..DE.....	..NIA.....	730 Rail LLC	Ownership.....	..100.000	TIAA Board of Governors		
							730 Cthrail LLC	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors		
							Cathcart Rail Holdco, LLC	..DE.....	..NIA.....	730 Rail LLC	Ownership.....	..100.000	TIAA Board of Governors		
			47-5363027	4936116			730 Cthrail LLC	..DE.....	..NIA.....	730 Cthrail LLC	Ownership.....	..68.250	TIAA Board of Governors		
				5515518			Teachers Insurance and Annuity Association of America	..DE.....	..NIA.....	730 Cthrail LLC	Ownership.....	..100.000	TIAA Board of Governors		
							730 Telecom LLC	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors		
							730 Transmission, LLC	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors		

STATEMENT AS OF SEPTEMBER 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)	*
				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 .....		.....
			13-4042888 ..	4601713			730 Texas Timberlands, Ltd.	..TX.....	NIA.....	730 Texas Forest Holdings, Inc.	Ownership.....	0.500	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		1400 ...
			51-0494351 ..	4599838			730 Texas Timberlands II, Ltd.	..TX.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	99.500 ...	TIAA Board of Governors		1400 ...
			13-4040842 ..	4601722			TIAA Timberlands I, 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		1300 ...
			13-4085431 ..	4601740			TIAA Timberlands II, LLC	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
							Foley Butte, LLC	..DE.....	NIA.....	TIAA Timberlands II, LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
							Red River Pine, LLC	..DE.....	NIA.....	TIAA Timberlands II, LLC	Ownership.....	100.000 ...	TIAA Board of Governors .....		.....
			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 .....		.....
				4313100			Polar Star Canadian Oil and Gas Holding, ULC	..CAN.....	NIA.....	Canadian Infrastructure Investments, 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 .....		.....
			93-3033108 ..				Ceres FFI LLC	..DE.....	NIA.....	Ceres Agricultural Properties, LLC	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 .....		.....
			26-0460488 ..	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		

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SCHEDULE Y
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			85-4120472	5683257			Tricahue Farms SpA	..CHL.....	..NIA.....	Ceres Agricultural Properties, LLC	Ownership.....	100.000	TIAA Board of Governors		
			98-1402136	5227521			Churchill Junior Capital Opportunities Fund II, L.P.	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Management.....		TIAA Board of Governors		
			81-1810508	5041624			Churchill Middle Market CLO IV Ltd.	..CYM.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors		
			84-5024895	5656859			Churchill Middle Market Senior Loan Fund, LP	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Management.....		TIAA Board of Governors		
							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		
			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		
			90-0615674	3838857	1502749		EverBank Financial Corp.	..DE.....	..NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors		

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			37-1718179 ..	5279511			Everbank Funding, LLC	..DE.....	..NIA.....	EverBank Financial Corp.	Ownership.....	..100.000 ...	TIAA Board of Governors		
			59-3531592 ..	2735146			TIAA, FSB	..US.....	..NIA.....	EverBank Financial Corp.	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 .....		.....
				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 .....		.....
			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 ...
			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 Agricolas S.A.	..BRA.....	..NIA.....	Radar Propriedades Agricolas S.A.	Ownership.....	..100.000 ...	TIAA Board of Governors .....		.....
			4643058				Nova Santa Barbara Agricola 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 Agricolas S.A.	..BRA.....	..NIA.....	Radar II Propriedades Agricolas S.A.	Ownership.....	..58.550 ...	TIAA Board of Governors .....		.....
			5777718				Manacá Propriedades Agricolas S.A.	..BRA.....	..NIA.....	Radar II Propriedades Agricolas S.A.	Ownership.....	..58.550 ...	TIAA Board of Governors .....		.....
			5777697				Paineira Propriedades Agricolas 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 ...

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PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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				4634917			Norteshopping Retail and Leisure Centre BV	.NLD	NIA	ND Properties, Inc. Norteshopping Retail and Leisure Centre BV	Ownership	50.000	TIAA Board of Governors		
				4634926			Norteshopping - Centro Commercial, S.A.	.PRT	NIA		Ownership	100.000	TIAA Board of Governors		
				4611824			ND Europe S.a.r.l.	.LUX	NIA	ND Properties, Inc.	Ownership	100.000	TIAA Board of Governors		
				4912781			ND Europe Office Holding S.à r.l.	.LUX	NIA	ND Europe S.a.r.l.	Ownership	100.000	TIAA Board of Governors		
				4925558			Cityhold Nymphe S.à r.l.	.LUX	NIA	ND Europe Office Holding S.à r.l.	Influence		TIAA Board of Governors		2000
				4925530			Cityhold Propco 11 S.à r.l.	.LUX	NIA	ND Europe Office Holding S.à r.l.	Influence		TIAA Board of Governors		
				5596807			OVG Cloud S.à r.l.	.LUX	NIA	Cityhold Propco 11 S.à r.l.	Ownership	10.100	TIAA Board of Governors		2100
				4914776			Cityhold Euro S.à r.l.	.LUX	NIA	ND Europe Office Holding S.à r.l.	Influence		TIAA Board of Governors		2200
				4913416			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		
				4925558			Cityhold Nymphe S.à r.l.	.LUX	NIA	Cityhold Office Partnership S.à r.l.	Ownership	88.000	TIAA Board of Governors		2000
				4920094			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		
				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		

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

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Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Yes/No)	*
.....							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 .....	.....	.....
.....				82-4183425 .....	.....	.....	New York City Property Fund II LP	..DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..86.300 ...	TIAA Board of Governors .....	.....	.....
.....				87-4474636 .....	.....	.....	15 Laight Street Holdings LLC	..DE.....	NIA.....	New York City Property Fund II LP	Influence.....	.....	TIAA Board of Governors .....	.....	.....
.....				87-4553231 .....	.....	.....	15 Laight Street Lender LLC	..DE.....	NIA.....	15 Laight Street Holdings LLC	Ownership.....	..100.000 ...	TIAA Board of Governors .....	.....	.....
.....				87-3846434 .....	.....	.....	Cory Road REIT LLC	..DE.....	NIA.....	New York City Property Fund II LP	Influence.....	.....	TIAA Board of Governors .....	.....	.....
.....				87-3847578 .....	.....	.....	Cory Road Operating LP	..DE.....	NIA.....	Cory Road REIT LLC	Ownership.....	..98.620 ...	TIAA Board of Governors .....	.....	.....
.....				87-3737804 .....	.....	.....	Cory Road Associates LLC	..DE.....	NIA.....	Cory Road Operating LP	Ownership.....	..100.000 ...	TIAA Board of Governors .....	.....	.....
.....				87-4032308 .....	.....	.....	Cory Road TRS LP	..DE.....	NIA.....	Cory Road Associates LLC	Ownership.....	..100.000 ...	TIAA Board of Governors .....	.....	.....
.....				87-3783569 .....	.....	.....	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 .....	.....	.....	New York City Property Fund REIT LLC	..DE.....	NIA.....	New York City Property Fund II LP	Influence.....	.....	TIAA Board of Governors .....	.....	.....
.....				83-4701919 .....	.....	.....	New York City Fund Operating GP LLC	..DE.....	NIA.....	New York City Property Fund REIT LLC	Ownership.....	..100.000 ...	TIAA Board of Governors .....	.....	.....
.....				83-4671194 .....	.....	.....	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 .....	.....	.....	125 West End Investors LLC	..DE.....	NIA.....	New York City Property Fund Operating LP	Ownership.....	..97.500 ...	TIAA Board of Governors .....	.....	.....
.....				84-3408615 .....	.....	.....	125 West End Holdings LLC	..DE.....	NIA.....	125 West End Investors LLC	Ownership.....	..100.000 ...	TIAA Board of Governors .....	.....	.....
.....				83-4653622			125 West End Associates LLC	..DE.....	NIA.....	125 West End Holdings 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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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)	*
			88-4309659 ..	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		
							Nuveen European Core Renewable Infrastructure Fund SCA SICAV-RAIF	..LUX.....	..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		
			83-4357309 ..	5400584			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		
			93-2601876 ..				Nuveen Real Estate U.S. Impact Housing Fund Holdings LP	..DE.....	..NIA.....	Nuveen Real Estate U.S. Impact Housing Fund LP	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 Holdings 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		
			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		
			92-3365983 ..	5860432			USIHF Tressa GP LLC	..DE.....	..NIA.....	USIHF GP Holdco LLC	Ownership.....	..100.000 ..	TIAA Board of Governors		
			92-3365006 ..	5860227			USIHF Tressa LP LLC	..DE.....	..NIA.....	USIHF GP Holdco 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		
			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		

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.....			88-1443830 ..	5729324			Nuveen Real Estate U.S. Strategic Lab Vehicle REIT LLC	..DE.....	NIA.....	Nuveen Real Estate U.S. Strategic Lab Vehicle Holdings 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 .....	.....	.....
.....				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 .....	.....	.....
.....			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 .....	.....	.....

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)	*
				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		
							TGA PBSA Asset Trust 6	.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		
							Teachers Insurance and Annuity Association								
			47-2363168	4794503			T-C Europe Holding Inc.	.DE	NIA	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
							Teachers Insurance and Annuity Association								
			47-2369576	4794473			T-C Europe LP	.DE	NIA	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		
				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 OPCI SAS	.FRA	NIA	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Governors		
				4952648			Roppenheim Holding SAS	.FRA	NIA	Neptune OPCI SAS	Ownership	100.000	TIAA Board of Governors		
				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 Annapol 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 Eskilstuna AB	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							24Storage Property Export Kommanditbolag	.SWE	NIA	Green S AB	Ownership	100.000	TIAA Board of Governors		
							24Storage Property Farsta AB	.SWE	NIA	Green S AB	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 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)	*
							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 Åby 1 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 Domherren 5 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 Förgasaren 5 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 Insekten KB	.SWE.....	NIA.....	Green S AB	Ownership.....	100.000 ...	TIAA Board of Governors		
							Green S Kopparen 3 AB	.SWE.....	NIA.....	Green S AB	Ownership.....	100.000 ...	TIAA Board of Governors		
							Green S Nicklet 2 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 Pelargonian 8 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 Skälby 2 14 AB	.SWE.....	NIA.....	Green S AB	Ownership.....	100.000 ...	TIAA Board of Governors		
							Green S Sminkören 1 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 Solna Hagalund AB	.SWE.....	NIA.....	Green S AB	Ownership.....	100.000 ...	TIAA Board of Governors		
							Green S Sundbyberg Tule AB	.SWE.....	NIA.....	Green S AB	Ownership.....	100.000 ...	TIAA Board of Governors		
							Green S Testaren 3 AB	.SWE.....	NIA.....	Green S AB	Ownership.....	100.000 ...	TIAA Board of Governors		
							Green S Vargen 12 AB	.SWE.....	NIA.....	Green S AB	Ownership.....	100.000 ...	TIAA Board of Governors		
							Green S Vargen 13 AB	.SWE.....	NIA.....	Green S AB	Ownership.....	100.000 ...	TIAA Board of Governors		
							Green S Veden 103 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 SEPTEMBER 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)	*
....							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.....	.....	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.....	.....	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		

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)	*
			88-1007987 ..	5723322 ..			TGA Forum on Peachtree Investor Member LLC ..	.. DE.....	 NIA.....	T-C GA Real Estate Holdings, LLC TGA Forum on Peachtree Investor Member LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			88-1007587 ..	5723331 ..			TGA NAP Forum on Peachtree Venture LLC	.. DE.....	 NIA.....	TGA NAP Forum on Peachtree Venture 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 TGA Lonestar Investor Member 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 TGA MOB 5005 McConnell Member LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			88-0655999 ..	5720675 ..			TGA MOB 5005 McConnell Member LLC	.. DE.....	 NIA.....	TGA MOB 5005 McConnell Member 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 The Flats Holding Company 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 The Flats 130 DC Residential 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 Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			46-4567368 ..	4651473 ..			T-C JK I, LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America 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 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 T-C Lux Fund Holdings LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
				4896256 ..			T-C Lux Investments Special Limited Partnership	.. LUX.....	 NIA.....	T-C Lux Fund Holdings LLC T-C Lux Investments Special Limited Partnership	Ownership.....	100.000 ...	TIAA Board of Governors		
				5474053 ..			European Cities Partnership SCSp	.. LUX.....	 NIA.....	T-C Lux Investments Special Limited Partnership T-C Lux Investments Special Limited Partnership	Management.....		TIAA Board of Governors		
				4894805 ..			Global Real Estate Debt Partners – Fund I (UK) SCSp	.. LUX.....	 NIA.....	T-C Lux Investments Special Limited Partnership Teachers Insurance and Annuity Association of America	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 T-C MV Member LLC	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 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 T-C M-T REIT II LLC	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 T-C M-T REIT 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 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 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 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 T-C SMA 2, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			36-4619998 ..	4634029 ..			PennMuni-TIAA U.S. Real Estate Fund, LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America Teachers Insurance and Annuity Association of America	Management.....		TIAA Board of Governors		
							T-C SV Member LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America T-C S-T REIT LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
							T-C S-T REIT LLC	.. DE.....	 NIA.....	T-C SV Member LLC 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 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 T-C UK RE Holdings II, LLC	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 T-C UK RE Holdings III, 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 T-C UK RE Holdings III, LLC	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)	*
			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 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		
			81-2146865	5041688			TEFF Holdco LLC	..DE	NIA	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors		
			98-1310729	5041660			TIAA European Farmland Fund GP LP	..CYM	NIA	TEFF Holdco LLC	Ownership	50.000	TIAA Board of Governors		300
			98-1310748	5042658			TIAA European Farmland Fund LP	..CYM	NIA	TEFF Holdco LLC	Management		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 Zwierząt Zarodowych Choczewo Spolka z o.o.	..POL	NIA	Areal III SP. z o.o.	Ownership	100.000	TIAA Board of Governors		
				5424151			Hodowla Zwierząt Zarodowych Wierchucino Spolka z o.o.	..POL	NIA	Areal III SP. z o.o.	Ownership	100.000	TIAA Board of Governors		
				5425082			Hodowla Zwierząt 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 - DUBLIN 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					..POL	NIA	Dangro Invest SA	Ownership	100.000	TIAA Board of Governors		

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				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			WALICHNOWIY 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			ZIEMIROL 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			TETYN 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 SEPTEMBER 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 SEPTEMBER 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 .....	.....	.....	.....	Wroclaw Fabryczna 22 sp. z o.o.	..POL.....	NIA.....	Eagle JVCo S.à r.l.	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....			5654622 .....	.....	.....	.....	Wroclaw Prusa 9 sp. z o.o.	..POL.....	NIA.....	Eagle JVCo S.à r.l.	Ownership.....	..100.000	TIAA Board of Governors .....	.....	.....
.....							European Value Add Minority Invest S.à r.l.	..LUX.....	NIA.....	TGA European RE Holdings I, LLC	Ownership.....	..50.500	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		

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

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				5727777			Sustainable Living II GP S.à r.l.	.LUX.....	NIA.....	TGA European RE Holdings I, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
				5727786			TGA Housing Holding S.à r.l.	.LUX.....	NIA.....	TGA European RE Holdings I, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
							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			Teachers Insurance and Annuity Association of America	.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			Teachers Insurance and Annuity Association of America	.DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			82-2708488	5709018			TGA FC Investor Member LLC	.DE.....	NIA.....	TGA FC Investor Member LLC	Ownership.....	50.000 ...	TIAA Board of Governors		
			82-2708488				Fenway Center Holding 1-2, LLC	.DE.....	NIA.....	Fenway Center Holding 1-2, LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
							Teachers Insurance and Annuity Association of America	.DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			84-3523773	5515282			Teachers Insurance and Annuity Association of America	.DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			84-3523813	5533530			Teachers Insurance and Annuity Association of America	.DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			84-3332846	5482919			Teachers Insurance and Annuity Association of America	.DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			88-4247949	5837881			Teachers Insurance and Annuity Association of America	.DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			92-0783347	5833856			Teachers Insurance and Annuity Association of America	.DE.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ...	TIAA Board of Governors		
			20-1889464				TGA GP Holdco Parent LLC	.DE.....	NIA.....	TGA GP Holdco Parent LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			86-1818790				Milil Plain Properties, LLC	.NY.....	NIA.....	TGA GP Holdco Parent LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			85-4308136				Omni Subnote, LLC	.DE.....	NIA.....	TGA GP Holdco Parent LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			85-3796114				Omni TEM, LLC	.DE.....	NIA.....	TGA GP Holdco Parent LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			88-4207931				ONY Funding, LLC	.DE.....	NIA.....	TGA GP Holdco Parent LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			85-2886948				TGA GP Holdco LLC	.DE.....	NIA.....	TGA GP Holdco Parent LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			92-3870148				Clay Arsenal Apartments Developers, LLC	.CT.....	NIA.....	TGA GP Holdco LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			92-3870428				New OMP Parkside Developer LLC	.DE.....	NIA.....	TGA GP Holdco LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
			92-3889182				New OMP Woodland Springs LLC	.DE.....	NIA.....	TGA GP Holdco LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
							New Woodland Springs Developers LLC	.DE.....	NIA.....	TGA GP Holdco LLC	Ownership.....	100.000 ...	TIAA Board of Governors		
							OMA Kawaida Towers LLC	.NJ.....	NIA.....	TGA GP Holdco LLC	Ownership.....	100.000 ...	TIAA Board of Governors		

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

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

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			88-1664419				Kawaida Towers Developers, LLC	NJ	NIA	OMA Kawaida Towers LLC	Ownership	81.000	TIAA Board of Governors		
			16-1752231				Omni America LLC	NY	NIA	TGA GP Holdco LLC	Ownership	100.000	TIAA Board of Governors		
			85-1963810				Omni Bayfront Jersey City LLC	NJ	NIA	TGA GP Holdco LLC	Ownership	100.000	TIAA Board of Governors		
			92-3556369				Omni Bayfront Jersey City II LLC	NJ	NIA	TGA GP Holdco LLC	Ownership	100.000	TIAA Board of Governors		
			85-4282616				Omni WTC, LLC	NY	NIA	TGA GP Holdco LLC	Ownership	100.000	TIAA Board of Governors		
			85-4233911				ONY Acceptance, LLC	DE	NIA	TGA GP Holdco LLC	Ownership	67.500	TIAA Board of Governors		3500
			20-5899799				ONY Admiral Halsey, LLC	NY	NIA	TGA GP Holdco LLC	Ownership	100.000	TIAA Board of Governors		
			20-5901150				Admiral Halsey Developers, LLC	NY	NIA	ONY Admiral Halsey, LLC	Ownership	100.000	TIAA Board of Governors		
			80-0161362				ONY Baisley, LLC	NY	NIA	TGA GP Holdco LLC	Ownership	100.000	TIAA Board of Governors		
			80-0161368				Baisley Developers, LLC	NY	NIA	ONY Baisley, LLC	Ownership	100.000	TIAA Board of Governors		
			81-1609431				ONY Barbara Jordan I, LLC	RI	NIA	TGA GP Holdco LLC	Ownership	100.000	TIAA Board of Governors		
			81-1609708				Barbara Jordan I Developers, LLC	RI	NIA	ONY Barbara Jordan I, LLC	Ownership	100.000	TIAA Board of Governors		
			26-4595075				ONY Bedell, LLC	NY	NIA	TGA GP Holdco LLC	Ownership	100.000	TIAA Board of Governors		
			26-4595148				Bedell Terrace Developers, LLC	NY	NIA	ONY Bedell, LLC	Ownership	100.000	TIAA Board of Governors		
			47-2052027				ONY Carver Hall, LLC	NJ	NIA	TGA GP Holdco LLC	Ownership	100.000	TIAA Board of Governors		
			47-2047789				Carver Hall Developers, LLC	NJ	NIA	ONY Carver Hall, LLC	Ownership	100.000	TIAA Board of Governors		
			02-0772539				ONY Elizabeth Crossings, LLC	NY	NIA	TGA GP Holdco LLC	Ownership	100.000	TIAA Board of Governors		
			03-0585654				Elizabeth Crossings Developers, LLC	NY	NIA	ONY Elizabeth Crossings, LLC	Ownership	100.000	TIAA Board of Governors		
			26-2696384				ONY Florence Apartments, LLC	NY	NIA	TGA GP Holdco LLC	Ownership	100.000	TIAA Board of Governors		
			26-2696576				Florence Apartments Developers, LLC	NY	NIA	ONY Florence Apartments, LLC	Ownership	100.000	TIAA Board of Governors		
			26-2696040				ONY Forestvale Apartments, LLC	NY	NIA	TGA GP Holdco LLC	Ownership	100.000	TIAA Board of Governors		
			26-2696506				Forestvale Apartments Developers, LLC	NY	NIA	ONY Forestvale Apartments, LLC	Ownership	100.000	TIAA Board of Governors		
			46-4544899				ONY Garden Spires, LLC	NJ	NIA	TGA GP Holdco LLC	Ownership	100.000	TIAA Board of Governors		
			46-4519517				Garden Spires Developers, LLC	NJ	NIA	ONY Garden Spires, LLC	Ownership	100.000	TIAA Board of Governors		
			27-2308555				ONY Grote Street, LLC	NY	NIA	TGA GP Holdco LLC	Ownership	100.000	TIAA Board of Governors		
			27-2308863				Grote Street Developers, LLC	NY	NIA	ONY Grote Street, LLC	Ownership	100.000	TIAA Board of Governors		
			27-0616100				ONY Harborview Towers, LLC	NY	NIA	TGA GP Holdco LLC	Ownership	100.000	TIAA Board of Governors		
			27-0619638				Harborview Towers Developers, LLC	NY	NIA	ONY Harborview Towers, LLC	Ownership	100.000	TIAA Board of Governors		
			81-1559738				ONY Newport Gardens Apartments, LLC	NY	NIA	TGA GP Holdco LLC	Ownership	100.000	TIAA Board of Governors		
			81-1559908				Newport Gardens Apartments Developers, LLC	NY	NIA	ONY Newport Gardens Apartments, LLC	Ownership	100.000	TIAA Board of Governors		
			27-3126921				ONY OLR LBCE, LLC	NY	NIA	TGA GP Holdco LLC	Ownership	100.000	TIAA Board of Governors		
			27-3127095				OLR LBCE Developers, LLC	NY	NIA	ONY OLR LBCE, LLC	Ownership	100.000	TIAA Board of Governors		
			27-3126431				ONY OLR MM, LLC	NY	NIA	TGA GP Holdco LLC	Ownership	100.000	TIAA Board of Governors		
			27-3126533				OLR MM Developers, LLC	NY	NIA	ONY OLR MM, LLC	Ownership	100.000	TIAA Board of Governors		
			45-5178997				ONY River Park Bronx Apartments, LLC	NY	NIA	TGA GP Holdco LLC	Ownership	100.000	TIAA Board of Governors		
			45-5179306				River Park Bronx Apartments Developers, LLC	NY	NIA	ONY River Park Bronx Apartments, LLC	Ownership	100.000	TIAA Board of Governors		
			46-4628968				ONY Spruce Spires, LLC	NJ	NIA	TGA GP Holdco LLC	Ownership	100.000	TIAA Board of Governors		
			46-4528914				Spruce Spires Developers, LLC	NJ	NIA	ONY Spruce Spires, LLC	Ownership	100.000	TIAA Board of Governors		
			26-2603293				ONY Sycamore Village, LLC	NY	NIA	TGA GP Holdco LLC	Ownership	100.000	TIAA Board of Governors		
			26-2696625				Sycamore Village Developers, LLC	NY	NIA	ONY Sycamore Village, LLC	Ownership	100.000	TIAA Board of Governors		
			27-2310290				ONY Twin Parks, LLC	NY	NIA	TGA GP Holdco LLC	Ownership	100.000	TIAA Board of Governors		
			27-2310510				Twin Parks Developers, LLC	NY	NIA	ONY Twin Parks, LLC	Ownership	100.000	TIAA Board of Governors		
			26-3286670				ONY Wesley, LLC	NY	NIA	TGA GP Holdco LLC	Ownership	100.000	TIAA Board of Governors		
			26-3287450				Wesley Developers, LLC	NY	NIA	ONY Wesley, LLC	Ownership	100.000	TIAA Board of Governors		
			26-0517489				ONY West Village, LLC	NY	NIA	TGA GP Holdco LLC	Ownership	100.000	TIAA Board of Governors		
			26-0517581				West Village Developers, LLC	NY	NIA	ONY West Village, LLC	Ownership	100.000	TIAA Board of Governors		
			20-5088014				ONY Whitney Young, LLC	NY	NIA	TGA GP Holdco LLC	Ownership	100.000	TIAA Board of Governors		
			20-5087669				Whitney Young Developers, LLC	NY	NIA	ONY Whitney Young, LLC	Ownership	100.000	TIAA Board of Governors		
			47-1436537				ONY Woodland Springs, LLC	MD	NIA	TGA GP Holdco LLC	Ownership	100.000	TIAA Board of Governors		

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

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Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Ownership Provide Per-centage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Yes/No)	*
			47-1459393				Woodland Springs Developers, LLC	.. MD.....	.. NIA.....	ONY Woodland Springs, LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			47-5597060				ONY Woodland Townhomes, LLC	.. MD.....	.. NIA.....	TGA GP Holdco LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			47-5597102				Woodland Townhomes Developers, LLC	.. MD.....	.. NIA.....	ONY Woodland Townhomes, LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			93-2848608				TGA DF WY Manor LLC	.. DE.....	.. NIA.....	TGA GP Holdco LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			92-3528354				TGA KT LP LLC	.. DE.....	.. NIA.....	TGA GP Holdco LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			87-3701483				Warrington Development Limited, LLC	.. PA.....	.. NIA.....	TGA GP Holdco LLC	Ownership.....	.. 85.000	TIAA Board of Governors		
							Warrington Development Partners Limited Partnership	.. PA.....	.. NIA.....	Warrington Development Limited, LLC	Ownership.....	.. 99.999	TIAA Board of Governors		
			87-3695550				Warrington I Developers, LLC	.. PA.....	.. NIA.....	TGA GP Holdco LLC	Ownership.....	.. 85.000	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		
			81-4697547				Archer Green Apartments Developers, LLC	.. NY.....	.. NIA.....	TGA GP NY Holdco LLC	Ownership.....	.. 75.000	TIAA Board of Governors		
			82-2001335				Archer Green MI Associates, LLC	.. NY.....	.. NIA.....	Archer Green Apartments Developers, LLC	Ownership.....	.. 99.000	TIAA Board of Governors		
							Archer Green Apartments Opportunity Fund, LLC	.. NY.....	.. NIA.....	TGA GP NY Holdco LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			83-0748459				Archer Green Moderate, LLC	.. NY.....	.. NIA.....	TGA GP NY Holdco LLC	Ownership.....	.. 75.000	TIAA Board of Governors		
			82-5433615				ONY Acceptance, LLC	.. DE.....	.. NIA.....	TGA GP NY Holdco LLC	Ownership.....	.. 32.500	TIAA Board of Governors		3500
			85-4233911				ONY Betty Shabazz, LLC	.. NY.....	.. NIA.....	TGA GP NY Holdco LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			27-0936457				Betty Shabazz Developers, LLC	.. NY.....	.. NIA.....	ONY Betty Shabazz, LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			45-2704113				ONY DCA 1, LLC	.. NY.....	.. NIA.....	TGA GP NY Holdco LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			45-2702128				DCA 1 Developers, LLC	.. NY.....	.. NIA.....	ONY DCA 1, LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			27-3223641				ONY Good Neighbor, LLC	.. NY.....	.. NIA.....	TGA GP NY Holdco LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			27-3223796				Good Neighbor Developers, LLC	.. NY.....	.. NIA.....	ONY Good Neighbor, LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			47-3122905				ONY Hunts Point, LLC	.. NY.....	.. NIA.....	TGA GP NY Holdco LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			47-3122662				Hunts Point Developers, LLC	.. NY.....	.. NIA.....	ONY Hunts Point, LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			46-1853725				ONY Longwood Residences, LLC	.. NY.....	.. NIA.....	TGA GP NY Holdco LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			46-1840708				Longwood Residences Developers, LLC	.. NY.....	.. NIA.....	ONY Longwood Residences, LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			80-0161324				ONY Maria Lopez, LLC	.. NY.....	.. NIA.....	TGA GP NY Holdco LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			80-0161335				Maria Lopez Developers, LLC	.. NY.....	.. NIA.....	ONY Maria Lopez, LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			27-0935733				ONY Medgar Evers, LLC	.. NY.....	.. NIA.....	TGA GP NY Holdco LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			27-0935981				Medgar Evers Developers, LLC	.. NY.....	.. NIA.....	ONY Medgar Evers, LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			45-5541057				ONY Morris Avenue Apartments, LLC	.. NY.....	.. NIA.....	TGA GP NY Holdco LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			45-5549281				Morris Avenue Apartments Developers, LLC	.. NY.....	.. NIA.....	ONY Morris Avenue Apartments, LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			47-5325109				ONY Morris II Apartments, LLC	.. NY.....	.. NIA.....	TGA GP NY Holdco LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			27-3126017				ONY OLR ECW, LLC	.. NY.....	.. NIA.....	TGA GP NY Holdco LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			27-3126205				OLR ECW Developers, LLC	.. NY.....	.. NIA.....	ONY OLR ECW, LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			20-5920876				ONY Plaza, LLC	.. NY.....	.. NIA.....	TGA GP NY Holdco LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			20-5921025				Plaza Developers, LLC	.. NY.....	.. NIA.....	ONY Plaza, LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			45-3516982				ONY Southern Blvd I, LLC	.. NY.....	.. NIA.....	TGA GP NY Holdco LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			45-3517087				Southern Blvd I Developers, LLC	.. NY.....	.. NIA.....	ONY Southern Blvd I, LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			92-3513586				TGA AG Manager LLC	.. DE.....	.. NIA.....	TGA GP NY Holdco LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
							Archer Green Retail LLC	.. NY.....	.. NIA.....	TGA AG Manager LLC	Ownership.....	.. 74.250	TIAA Board of Governors		
			93-3033005				TGA GP Union Investor LLC	.. DE.....	.. NIA.....	TGA GP NY Holdco LLC	Ownership.....	.. 100.000	TIAA Board of Governors		
			93-3018714				TGA LP Union Investor LLC	.. DE.....	.. NIA.....	TGA GP NY Holdco 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		
			88-1104247				Belle Oaks Apartments Developers, LLC	.. TX.....	.. NIA.....	TGA GP TX HoldCo	Ownership.....	.. 100.000	TIAA Board of Governors		
			93-3006227				Belle Oaks Developers LLC	.. DE.....	.. NIA.....	TGA GP TX HoldCo	Ownership.....	.. 100.000	TIAA Board of Governors		
			88-0822913				Bradford Apartments Developers, LLC	.. OK.....	.. NIA.....	TGA GP TX HoldCo	Ownership.....	.. 100.000	TIAA Board of Governors		
			88-0901220				Chip Townhouses Developers, LLC	.. OH.....	.. NIA.....	TGA GP TX HoldCo	Ownership.....	.. 100.000	TIAA Board of Governors		
			88-0822771				Edenwood Apartments Developers, LLC	.. OK.....	.. NIA.....	TGA GP TX HoldCo	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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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)	*
			88-0709319 ..				Omni Portfolio II LLC ..	.. DE ..	 NIA.....	TGA GP TX HoldCo ..	Ownership.....	100.000 ...	TIAA Board of Governors ..		.....
			88-0857294 ..				Bradford Apartments, L.P.	.. OK ..	 NIA.....	Omni Portfolio II LLC ..	Ownership.....	99.999 ...	TIAA Board of Governors ..		.....
			88-0901067 ..				Chip Townhouses, L.P.	.. OH ..	 NIA.....	Omni Portfolio II LLC ..	Ownership.....	99.999 ...	TIAA Board of Governors ..		.....
			88-0857235 ..				Edenwood Apartments, L.P.	.. OK ..	 NIA.....	Omni Portfolio II LLC ..	Ownership.....	99.999 ...	TIAA Board of Governors ..		.....
			88-0937437 ..				Skyline Terrace Apartments, L.P.	.. OH ..	 NIA.....	Omni Portfolio II LLC ..	Ownership.....	99.999 ...	TIAA Board of Governors ..		.....
			88-0938872 ..				Skyline Terrace Apartments Developers, LLC ..	.. OH ..	 NIA.....	TGA GP TX HoldCo ..	Ownership.....	100.000 ...	TIAA Board of Governors ..		.....
			93-2848346 ..				TGA DF Baytown LLC ..	.. DE ..	 NIA.....	TGA GP TX HoldCo ..	Ownership.....	100.000 ...	TIAA Board of Governors ..		.....
			93-3017590 ..				TGA DF Belle Oaks Apts LLC ..	.. DE ..	 NIA.....	TGA GP TX HoldCo ..	Ownership.....	100.000 ...	TIAA Board of Governors ..		.....
			93-2789390 ..				TGA DF Bradford Apts LLC ..	.. DE ..	 NIA.....	TGA GP TX HoldCo ..	Ownership.....	100.000 ...	TIAA Board of Governors ..		.....
			93-3017887 ..				TGA DF Chip Townhouses LLC ..	.. DE ..	 NIA.....	TGA GP TX HoldCo ..	Ownership.....	100.000 ...	TIAA Board of Governors ..		.....
			93-2803479 ..				TGA DF Edenwood Apts LLC ..	.. DE ..	 NIA.....	TGA GP TX HoldCo ..	Ownership.....	100.000 ...	TIAA Board of Governors ..		.....
			93-3018196 ..				TGA DF Skyline Terrace Apartments LLC ..	.. DE ..	 NIA.....	TGA GP TX HoldCo ..	Ownership.....	100.000 ...	TIAA Board of Governors ..		.....
			88-2613798 ..				Village at Baytown Developers, LLC ..	.. TX ..	 NIA.....	TGA GP TX HoldCo ..	Ownership.....	100.000 ...	TIAA Board of Governors ..		.....
			93-2848078 ..				Village Lane Developers LLC ..	.. DE ..	 NIA.....	TGA GP TX HoldCo ..	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 ..		.....
			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 JI Investor Member LLC ..	.. DE ..	 NIA.....	Teachers Insurance and Annuity Association of America ..	Ownership.....	100.000 ...	TIAA Board of Governors ..		.....
			84-4376472 ..	5613320 ..			TGA JI II Investor Member LLC ..	.. DE ..	 NIA.....	Teachers Insurance and Annuity Association of America ..	Ownership.....	100.000 ...	TIAA Board of Governors ..		.....
			87-1280436 ..	5619096 ..			TGA JI 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 JI MCF Investor Member LLC ..	.. DE ..	 NIA.....	Teachers Insurance and Annuity Association of America ..	Ownership.....	100.000 ...	TIAA Board of Governors ..		.....
			87-4248374 ..	5690451 ..			TGA JI 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 ..		.. 3600 ..
			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 ..		

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PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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			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		
							TGA Montrose Residences Investor Member, LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Governors		
			81-3542251 ..	5040542			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		
							Morningstar NRE Self Storage Portfolio LLC ..	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC ..	Ownership.....	..100.000	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		
							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		

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

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Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Loca-tion	Rela-tion-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Yes/No)	*
.....							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 .....	.....	.....
.....			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.....	..85.000	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 .....	.....	.....

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)	*
.....			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 .....	.....	..... .....
.....										Teachers Insurance and Annuity Association of America	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 .....	.....	..... .....
.....							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 .....	.....	..... .....
.....										Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	..... .....
.....			93-2519414 ..	.....	.....	.....	TGA Specialty Shops Investor Member LLC	.. DE.....	 NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	..... .....
.....			92-2619099 ..	.....	.....	.....	TGA HP Specialty Shops Venture LLC	.. DE.....	 NIA.....	TGA Specialty Shops Investor Member LLC ..	Ownership.....	98.000 ..	TIAA Board of Governors .....	.....	..... .....
.....			92-2659927 ..	.....	.....	.....	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	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 Housing Venture I LLC	Ownership.....	97.000 ..	TIAA Board of Governors .....	.....	..... .....
.....			83-2123785 ..	5371611 .....	.....	.....	TGA SP-MPC Housing Venture I LLC	.. DE.....	 NIA.....	TGA SP-MPC Housing Venture I LLC	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	..... .....
.....			83-1869400 ..	5593208 .....	.....	.....	MPSP Ashwood Homes LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	..... .....
.....										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 .....	.....	..... .....
.....										Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	..... .....
.....			84-2331138 ..	5492963 .....	.....	.....	MPSP Beltline Homes LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	..... .....
.....										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 .....	.....	..... .....
.....										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 .....	.....	..... .....
.....										Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	..... .....
.....			83-1088601 ..	.....	.....	.....	MPSP Center Grove Homes LLC	.. DE.....	 NIA.....	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000 ..	TIAA Board of Governors .....	.....	..... .....
.....										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 .....	.....	..... .....
.....										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 .....	.....	..... .....

STATEMENT AS OF SEPTEMBER 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 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)	*
.....			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 .....	.....	.....
.....			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 .....	.....	.....

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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.....			84-2436652 ..	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 .....	.....	.....
.....			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.....	TGA SS Self Storage Portfolio Investor Member LLC	Ownership.....	96.000	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
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			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.....	TGA TCA Durham Logistics Center Investor 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		
			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.....	TGAP The Warehouse At CH 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		
							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		
			86-1749539 ..	5609891						TGA The Warehouse At Ch II Investor Member LLC	Ownership.....	90.000 ...	TIAA Board of Governors		
			86-1548653 ..	5727544			TGAP The Warehouse at CH II LLC	.. DE.....	NIA.....	TGAP The Warehouse at CH II LLC	Ownership.....	100.000 ...	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		

STATEMENT AS OF SEPTEMBER 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)	*
.....			84-2939589 ..	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 .....	.....	.....
.....			92-1383692 ..	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 .....	.....	.....
.....				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 .....	.....	.....
.....				5371910 .....	.....	.....	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 .....	.....	.....
.....			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 Capabilities 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 ..	4643994 .....	.....	.....	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 .....	.....	3700

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)	*
				4644493			Tellus Brasil Participaco S.A.	.BRA	NIA	Nova Gaia Brasil Participaco Ltda.	Management		TIAA Board of Governors		3800
				4644484			Terraviva Brasil Participaco Ltda.	.BRA	NIA	Nova Gaia Brasil Participaco Ltda.	Ownership	99.990	TIAA Board of Governors		3900
				4644493			Tellus Brasil Participaco S.A.	.BRA	NIA	Terraviva Brasil Participaco Ltda.	Management		TIAA Board of Governors		3800
				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		
				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		3700
				4644484			Terraviva Brasil Participaco Ltda.	.BRA	NIA	TIAA-CREF Global Agriculture BR, LLC	Ownership	0.010	TIAA Board of Governors		3900
			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		
										Teachers Insurance and Annuity Association of America	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		
										Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors		
			85-4309290	5615892			TIAA Global Timberlands, LLC	.DE	NIA	TIAA Global Timberlands, LLC	Ownership	100.000	TIAA Board of Governors		
				5804052			Apical Reforestadora S.A.	.PAN	NIA	TIAA Global Timberlands, LLC	Ownership	100.000	TIAA Board of Governors		
				4618346			Quercus Panama, LLC	.DE	NIA	TIAA Global Timberlands, LLC	Ownership	100.000	TIAA Board of Governors		
										Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Governors		
			46-3881813	4599892			TIAA GTR HoldCo, LLC	.DE	NIA	TIAA GTR HoldCo, LLC	Ownership	50.000	TIAA Board of Governors		
			46-3210500	4724023			Global Timber Resources LLC	.DE	NIA	Global Timber Resources LLC	Ownership	100.000	TIAA Board of Governors		
			46-3909387	4868431			Global Timber SA LLC	.DE	NIA	Global Timber Resources LLC	Ownership	99.900	TIAA Board of Governors		
				4868440			Forestal GTR Chile Limitada	.CHL	NIA	Global Timber SA LLC	Ownership	100.000	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		
							Monte Fresnos Asociacion Agraria de								
				5183458			Responsabilidad LTDA	.URY	NIA	Global Timber Spain, SL	Ownership	100.000	TIAA Board of Governors		
				5183421			Monte Fresnos, S.A.	.URY	NIA	Global Timber Spain, SL	Ownership	100.000	TIAA Board of Governors		
							Taurion Asociacion Agraria de Responsabilidad								
				5183430			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		
							Mogno das Alterosas Investimentos Florestais								
				5481903			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		

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

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

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.....			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 ..	5660632 .....	.....	.....	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 .....	.....	.....
.....							North American Sustainable Energy Fund, L.P.	.....	.....	.....	.....	.....	.....	.....	.....
.....			46-5279686 ..	4810775 .....	.....	.....	.....	..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 .....	.....	.....
.....				4810597 .....	.....	.....	North American Sustainable Energy GP, LLC ...	..DE.....	NIA.....	TIAA Infrastructure Investments, LLC	Ownership.....	..99.900	TIAA Board of Governors .....	.....	.....
.....							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 .....	.....	.....
.....							TGA Montgomery Promenade Investor Member 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		

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

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Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Yes/No)	*
			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	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		
			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	4844163			UK PPP Investments, LP	..GBR.....	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors		
			4848590	4848590			Wigg (Holdings) Limited	..GBR.....	NIA.....	UK PPP Investments, LP	Ownership.....	100.000	TIAA Board of Governors		
			4848983	4848983			Wigg Investments Limited	..GBR.....	NIA.....	Wigg (Holdings) Limited	Ownership.....	100.000	TIAA Board of Governors		
			4849739	4849739			Merseylink (Holdings) Limited	..GBR.....	NIA.....	Wigg Investments Limited	Influence.....	.....	TIAA Board of Governors		
			4852298	4852298			Merseylink (Finance) Limited	..GBR.....	NIA.....	Merseylink (Holdings) Limited	Ownership.....	100.000	TIAA Board of Governors		
			4860239	4860239			Merseylink Limited	..GBR.....	NIA.....	Merseylink (Finance) Limited	Ownership.....	100.000	TIAA Board of Governors		
			4858638	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		

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

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Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Yes/No)	*
			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		
										Teachers Insurance and Annuity Association of America	Ownership.....	70.290	TIAA Board of Governors		
			38-4104483 ..	5115516			U.S. Cities Workplace Fund LP	.. DE	NIA.....	U.S. Cities Workplace Fund LP	Ownership.....	100.000	TIAA Board of Governors		
			61-1914684 ..	5115945			U.S. Cities Workplace 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 Workplace 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 Workplace 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		
							U.S. Cities Office Fund Maryland Farms Co-Invest	.. DE	NIA.....	USCOF Maryland Farms Holdings LLC	Ownership.....	51.000	TIAA Board of Governors		3600
										U.S. Cities Office Fund Maryland Farms Co-Invest	Ownership.....	97.000	TIAA Board of Governors		
			84-4775394 ..	5585119			VRE-NRE Maryland Farms Venture	.. DE	NIA.....	U.S. Cities Workplace Fund Operating LP ...	Ownership.....	100.000	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		
										Teachers Insurance and Annuity Association of America	Management.....		TIAA Board of Governors		
			82-3988257 ..	5612417			U.S. Core-Plus Real Estate Debt Fund LP	.. DE	NIA.....	U.S. Core-Plus Real Estate Debt Fund LP ...	Ownership.....	100.000	TIAA Board of Governors		
			82-3760575 ..	5612435			CRED REIT LLC	.. DE	NIA.....		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 HQ 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		
										Teachers Insurance and Annuity Association of America	Management.....		TIAA Board of Governors		
			85-2116787 ..	5599723			U.S. Strategic Industrial Fund II LP	.. DE	NIA.....	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Governors		
			84-3440905 ..	5514128			Western A Midwest TN, LLC	.. DE	NIA.....		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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.....							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%
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, 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.
1400	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%.
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 Propiedades Agrícolas S.A. is owned 65.77% by Mansilla Participacoes LTDA and 15.31% by Radar II Propiedades Agrícolas 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 Krieau Dzwei GmbH, which owns 6%.
3500	ONY Acceptance, LLC is ultimately controlled and owned entirely by TIAA, with 67.5% owned by TGA GP Holdco LLC and 32.5% owned by TGA GP NY Holdco LLC.
3600	U.S. Cities Office Fund Maryland Farms Co-Invest is controlled by TIAA, with 51% owned by USOCF Maryland Farms Holdings LLC and 49% owned by TGA Maryland Farms Holdings LLC.
3700	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.

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

Asterisk	Explanation
3800	Tellus Brasil Participaco S.A. is owned 48.9% by Terraviva Brasil Participaco Ltda. and 0.47% by Nova Gaia Brasil Participaco Ltda.
3900	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 SEPTEMBER 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.	N/A

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.	N/A
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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.

Bar Code:

2.

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

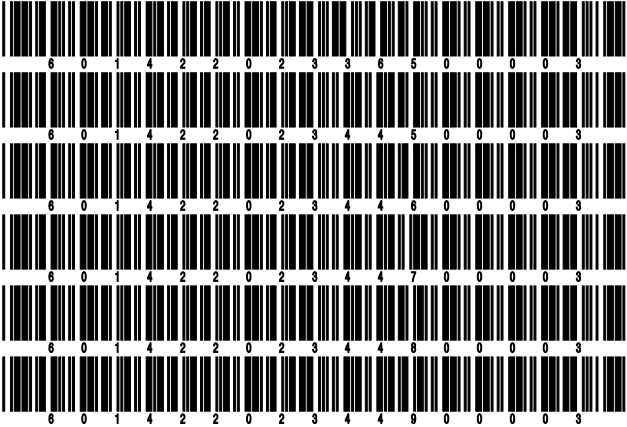
Reasonableness of Assumptions Certification required by Actuarial Guideline XXXV [Document Identifier 445]
4.

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	1,219	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	19,859	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)	4,602,410	4,621,049
12. Deduct total nonadmitted amounts		
13. Statement value at end of current period (Line 11 minus Line 12)	4,602,410	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	788,120,944	3,062,512,155
3. Accrual of discount	10,081,175	9,274,981
4. Unrealized valuation increase (decrease)	(28,716)	(645,802)
5. Total gain (loss) on disposals	(26,604,503)	20,167,499
6. Deduct consideration for bonds and stocks disposed of	916,251,256	2,163,422,388
7. Deduct amortization of premium	5,852,254	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)	13,211,092,106	13,364,581,025
12. Deduct total nonadmitted amounts		
13. Statement value at end of current period (Line 11 minus Line 12)	13,211,092,106	13,364,581,025

STATEMENT AS OF SEPTEMBER 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)	8,612,236,721	1,209,512,589	1,411,071,387	90,256,566	8,531,803,199	8,612,236,721	8,500,934,489	8,503,110,746
2. NAIC 2 (a)	4,846,443,333	42,954,102	106,470,169	(88,739,820)	4,931,264,650	4,846,443,333	4,694,187,446	4,905,251,479
3. NAIC 3 (a)	46,179,479	3,305,000		142,525	32,766,436	46,179,479	49,627,004	32,645,486
4. NAIC 4 (a)	10,091,006	4,125,000		59,295	10,052,678	10,091,006	14,275,301	10,015,104
5. NAIC 5 (a)	124,860		14,486	4,205	142,276	124,860	114,579	150,897
6. NAIC 6 (a)								
7. Total Bonds	13,515,075,399	1,259,896,691	1,517,556,042	1,722,771	13,506,029,239	13,515,075,399	13,259,138,819	13,451,173,712
PREFERRED STOCK								
8. NAIC 1								
9. NAIC 2	8,400,000				8,400,000	8,400,000	8,400,000	8,400,000
10. NAIC 3								
11. NAIC 4								
12. NAIC 5								
13. NAIC 6	1,009,225			(61,633)	728,391	1,009,225	947,592	976,307
14. Total Preferred Stock	9,409,225			(61,633)	9,128,391	9,409,225	9,347,592	9,376,307
15. Total Bonds and Preferred Stock	13,524,484,624	1,259,896,691	1,517,556,042	1,661,138	13,515,157,630	13,524,484,624	13,268,486,411	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 \$ 57,394,346 ; 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	Premium	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	5,611,618,127	5,254,956,275
3. Accrual of discount	1,466,493	588,156
4. Unrealized valuation increase (decrease)		
5. Total gain (loss) on disposals	19,623	27,314
6. Deduct consideration received on disposals	5,651,678,933	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)	57,394,346	95,969,036
11. Deduct total nonadmitted amounts		
12. Statement value at end of current period (Line 10 minus Line 11)	57,394,346	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 SEPTEMBER 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-E5-9	GOVERNMENT NATIONAL MORTGAGE SERIES 2019-5 CLASS ZC 3.500% 11/20/48 .....	.....	....09/01/2023	Interest Capitalization .....	.....	70,736	70,736	.....	1.A
0109999999. Subtotal - Bonds - U.S. Governments						70,736	70,736	.....	XXX
3137BB-FB-1	FHR 4352 ZW EXCH Z SEQ 3.000% 06/15/44 .....	.....	....09/01/2023	Interest Capitalization .....	.....	110,430	110,430	.....	1.A
3137BG-3K-3	FHR 4430 Z Z SEQ 4.000% 01/15/45 .....	.....	....09/01/2023	Interest Capitalization .....	.....	140,416	140,416	.....	1.A
3137BN-ED-2	FHR 4565 DZ Z SEQ 3.000% 03/15/46 .....	.....	....09/01/2023	Interest Capitalization .....	.....	46,978	46,978	.....	1.A
3137BP-Q2-8	FHR 4579 GZ Z SEQ 3.000% 05/15/46 .....	.....	....09/01/2023	Interest Capitalization .....	.....	98,861	98,861	.....	1.A
3137BT-2L-4	FHR 4631 VZ Z SEQ 3.500% 11/15/46 .....	.....	....09/01/2023	Interest Capitalization .....	.....	47,087	47,087	.....	1.A
3137FG-3N-3	FHR 4801 ZD Z SEQ 4.000% 06/15/48 .....	.....	....09/01/2023	Interest Capitalization .....	.....	125,374	125,374	.....	1.A
44420R-AA-8	HUDSON YARDS INFRASTRUCTURE CO SERIES B 3.875% 02/15/38 .....	.....	....09/28/2023	U.S. BANCORP LIBRA .....	.....	840,924	1,050,000	.....	1.C FE
60416T-Z2-7	MINNESOTA ST HSG FIN AGY SERIES J 5.750% 01/01/48 .....	.....	....07/28/2023	RBC DAIN RAUSCHER INC. ....	.....	7,765,000	7,765,000	.....	1.B FE
0909999999. Subtotal - Bonds - U.S. Special Revenues						9,175,070	9,384,146	5,312	XXX
032654-BA-2	ANALOG DEVICES INC 3.450% 06/15/27 .....	.....	....09/18/2023	Tax Free Exchange .....	.....	14,258,562	15,000,000	133,688	1.G FE
378272-BP-2	GLENCORE FUNDING LLC SERIES 144A 6.375% 10/06/30 .....	.....	....09/27/2023	MITSUBISHI UFJ SECURITIES USA .....	.....	6,961,500	7,000,000	.....	2.A FE
378272-BQ-0	GLENCORE FUNDING LLC SERIES 144A 6.500% 10/06/33 .....	.....	....09/27/2023	BANK OF AMERICA .....	.....	5,976,960	6,000,000	.....	2.A FE
404119-CH-0	HCA INC 3.125% 03/15/27 .....	.....	....08/07/2023	Tax Free Exchange .....	.....	4,682,973	5,000,000	61,632	2.C FE
52521R-AS-0	LMT 2007-5 2A3 FLT SSNR AS 8.734% 06/25/37 .....	.....	....08/25/2023	Interest Capitalization .....	.....	1	1	.....	1.A FM
82650B-AA-4	SIERRA RECEIVABLES FUNDING CO SERIES 2023-2A CLASS A 144A 5.800% 04/20/40 .....	.....	....07/11/2023	DEUTSCHE BANK SECURITIES INCOR .....	.....	6,549,913	6,550,000	.....	1.A FE
832696-AV-0	JM SMUCKER CO 2.750% 09/15/41 .....	.....	....09/26/2023	BARCLAYS BANK PLC .....	.....	6,374,100	10,000,000	9,931	2.B FE
897051-AC-2	TRONOX INC SERIES 144A 4.625% 03/15/29 .....	.....	....08/02/2023	GOLDMAN SACHS & COMPANY .....	.....	4,125,000	5,000,000	88,329	4.A FE
00135T-AD-6	AIB GROUP PLC SERIES 144A 6.608% 09/13/29	D.....	09/26/2023	CITIGROUP GLOBAL MARKETS INC .....	.....	14,959,150	15,000,000	38,168	2.B FE
22535W-AJ-6	CREDIT AGRICOLE SA SERIES 144A 6.316% 10/03/29	D.....	09/25/2023	CREDIT AGRICOLE .....	.....	20,000,000	20,000,000	.....	1.G FE
603051-AE-3	MINERAL RESOURCES LTD SERIES 144A 9.250% 10/01/28	D.....	09/28/2023	JP MORGAN SECURITIES .....	.....	3,304,999	3,305,000	.....	3.C FE
1109999999. Subtotal - Bonds - Industrial and Miscellaneous (Unaffiliated)						87,193,158	92,855,001	331,748	XXX
2509999997. Total - Bonds - Part 3						96,438,964	102,309,883	337,060	XXX
2509999998. Total - Bonds - Part 5						XXX	XXX	XXX	XXX
2509999999. Total - Bonds						96,438,964	102,309,883	337,060	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						96,438,964	XXX	337,060	XXX

STATEMENT AS OF SEPTEMBER 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 Recog- nized	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
..228027-AA-6	VESSEL MANAGEMENT SERVIC US GOVT GUARANT 3.432% 08/15/36 .....	.....	08/15/2023	Call 100.0000 .....	.....	90,000	90,000	90,000	90,000	.....	.....	.....	.....	.....	90,000	.....	.....	.....	3,089	08/15/2036	1.A
..228027-AB-4	VESSEL MANAGEMENT SERVIC US GOVT GUARANT 3.477% 01/16/37 .....	.....	07/16/2023	Call 100.0000 .....	.....	140,000	140,000	140,000	140,000	.....	.....	.....	.....	.....	140,000	.....	.....	.....	4,868	01/16/2037	1.A
..29766D-AF-1	ETHIOPIAN LEASING 2012 US GOVT GUARANT 2.646% 05/12/26 .....	.....	08/12/2023	Redemption 100.0000 .....	.....	533,656	533,656	533,656	533,656	.....	.....	.....	.....	.....	533,656	.....	.....	.....	10,590	05/12/2026	1.A
..29766D-AG-9	ETHIOPIAN LEASING 2012 US GOVT GUARANT 2.566% 08/14/26 .....	.....	08/14/2023	Redemption 100.0000 .....	.....	216,004	216,004	216,004	216,004	.....	.....	.....	.....	.....	216,004	.....	.....	.....	4,157	08/14/2026	1.A
..302155-BA-3	EXP IMP IMB 2.628% 11/12/26 .....	.....	08/12/2023	Redemption 100.0000 .....	.....	221,908	221,908	221,908	179,763	.....	42,144	.....	42,144	.....	221,908	.....	.....	.....	4,299	11/12/2026	1.A
..30217T-AA-0	EXPORT LEASE TEN CO LLC US GOVT GUARANT 1.650% 05/07/25 .....	.....	08/07/2023	Redemption 100.0000 .....	.....	89,220	89,220	85,435	88,312	.....	907	.....	907	.....	89,220	.....	.....	.....	1,104	05/07/2025	1.A
..361744-PJ-1	GN A04025 3.700% 10/15/33 .....	.....	09/01/2023	Paydown .....	.....	129,132	129,132	133,006	131,487	.....	(2,355)	.....	(2,355)	.....	129,132	.....	.....	.....	3,186	10/15/2033	1.A
..361708-L6-7	GNMA POOL BX3949 1.730% 07/15/37 .....	.....	09/01/2023	Paydown .....	.....	395,792	395,792	396,286	396,185	.....	(393)	.....	(393)	.....	395,792	.....	.....	.....	4,565	07/15/2037	1.A
..36170U-LJ-0	GNMA POOL BZ0329 1.650% 07/15/42 .....	.....	09/01/2023	Paydown .....	.....	317,271	317,271	317,371	317,343	.....	(72)	.....	(72)	.....	317,271	.....	.....	.....	3,490	07/15/2042	1.A
..36181R-5Z-4	GN AF9864 4.250% 09/15/38 .....	.....	09/01/2023	Paydown .....	.....	356,064	356,064	389,014	384,738	.....	(28,674)	.....	(28,674)	.....	356,064	.....	.....	.....	10,092	09/15/2038	1.A
..690353-XM-4	OVERSEAS PRIVATE INV COR US GOVT GUARANT 3.590% 12/15/30 .....	.....	09/15/2023	Redemption 100.0000 .....	.....	35,714	35,714	35,714	35,714	.....	.....	.....	.....	.....	35,714	.....	.....	.....	962	12/15/2030	1.A
..690353-XN-2	OVERSEAS PRIVATE INV COR US GOVT GUARANT 3.540% 06/15/30 .....	.....	09/15/2023	Redemption 100.0000 .....	.....	124,997	124,997	124,997	124,997	.....	.....	.....	.....	.....	124,997	.....	.....	.....	3,319	06/15/2030	1.A
..71654Q-BL-5	PETROLEOS MEXICANOS US GOVT GUARANT 2.830% 02/15/24 .....	.....	08/15/2023	Redemption 100.0000 .....	.....	750,000	750,000	750,000	750,000	.....	.....	.....	.....	.....	750,000	.....	.....	.....	21,225	02/15/2024	1.A
..71654Q-BP-6	PETROLEOS MEXICANOS US GOVT GUARANT 2.290% 02/15/24 .....	.....	08/15/2023	Redemption 100.0000 .....	.....	750,000	750,000	750,000	750,000	.....	.....	.....	.....	.....	750,000	.....	.....	.....	17,175	02/15/2024	1.A
..71654Q-BS-0	PETROLEOS MEXICANOS US GOVT GUARANT 5.920% 04/15/25 .....	.....	07/15/2023	Redemption 100.0000 .....	.....	125,000	125,000	123,125	124,519	.....	481	.....	481	.....	125,000	.....	.....	.....	4,795	04/15/2025	1.A
..746388-AA-5	PURPLE CHEN 2011 LLC US GOVT GUARANT 2.735% 08/01/23 .....	.....	08/01/2023	Redemption 100.0000 .....	.....	616,688	616,688	616,688	616,688	.....	.....	.....	.....	.....	616,688	.....	.....	.....	12,650	08/01/2023	1.A
..79977T-AA-7	SANDALWOOD 2013 LLC US GOVT GUARANT 2.836% 07/10/25 .....	.....	07/10/2023	Redemption 100.0000 .....	.....	407,985	407,985	407,985	407,985	.....	.....	.....	.....	.....	407,985	.....	.....	.....	8,678	07/10/2025	1.A
..79977T-AB-5	SANDALWOOD 2013 LLC US GOVT GUARANT 2.897% 07/10/25 .....	.....	07/10/2023	Redemption 100.0000 .....	.....	359,987	359,987	359,987	359,987	.....	.....	.....	.....	.....	359,987	.....	.....	.....	7,822	07/10/2025	1.A
..90373R-AA-8	ULANI MSN 35940 LLC US GOVT GUARANT 2.227% 05/16/25 .....	.....	08/16/2023	Redemption 100.0000 .....	.....	208,333	208,333	208,333	208,333	.....	.....	.....	.....	.....	208,333	.....	.....	.....	3,480	05/16/2025	1.A
..912810-EP-9	US TREASURY N/B United States Treasury No 7.12 7.125% 02/15/23 .....	.....	07/06/2023	Maturity .....	.....	300,000	300,000	323,672	300,226	.....	1,657	.....	1,657	.....	301,883	.....	(1,883)	(1,883)	50,366	02/15/2023	1.A
0109999999. Subtotal - Bonds - U.S. Governments						6,167,751	6,167,751	6,223,181	6,155,937	.....	13,695	.....	13,695	.....	6,169,634	.....	(1,883)	(1,883)	179,912	XXX	XXX
..14440P-AA-1	CARPINTERO FINANCE LTD GOVT GTD. 2.004% 09/18/24	D.....	09/18/2023	Redemption 100.0000 .....	.....	240,495	240,495	240,495	240,495	.....	.....	.....	.....	.....	240,495	.....	.....	.....	3,615	09/18/2024	1.A Z
0309999999. Subtotal - Bonds - All Other Governments						240,495	240,495	240,495	240,495	.....	.....	.....	.....	.....	240,495	.....	.....	.....	3,615	XXX	XXX
..64966Q-D2-3	NEW YORK NY SERIES D2 4.075% 05/01/28 .....	.....	07/27/2023	Call 100.0000 .....	.....	3,505,000	3,505,000	3,505,000	3,505,000	.....	.....	.....	.....	.....	3,505,000	.....	.....	.....	105,535	05/01/2028	1.C FE
0709999999. Subtotal - Bonds - U.S. Political Subdivisions of States, Territories and Possessions						3,505,000	3,505,000	3,505,000	3,505,000	.....	.....	.....	.....	.....	3,505,000	.....	.....	.....	105,535	XXX	XXX
..3132FC-F2-6	FHLMC POOL Z40185 5.500% 01/01/52 .....	.....	09/01/2023	Paydown .....	.....	11,503	11,503	12,793	12,776	.....	(1,273)	.....	(1,273)	.....	11,503	.....	.....	.....	422	01/01/2052	1.A
..3133KY-SV-2	FHLMC POOL RB5032 2.500% 02/01/40 .....	.....	09/01/2023	Paydown .....	.....	191,179	191,179	194,763	194,593	.....	(3,414)	.....	(3,414)	.....	191,179	.....	.....	.....	3,182	02/01/2040	1.A
..31359U-PG-4	FNW 1998-W2 B1 SUB 13.000% 06/25/28 .....	.....	09/01/2023	Paydown .....	.....	13,335	13,335	12,764	13,053	.....	282	.....	282	.....	13,335	.....	.....	.....	564	06/25/2028	1.A
..31359U-PH-2	FNW 1998-W2 B2 SUB 12.020% 06/25/28 .....	.....	09/01/2023	Paydown .....	.....	13,978	13,978	13,175	13,591	.....	387	.....	387	.....	13,978	.....	.....	.....	591	06/25/2028	1.A
..3136A1-T3-9	FNW 2011-115 MB PAC-11 2.500% 11/25/26 .....	.....	09/01/2023	Paydown .....	.....	167,682	167,682	170,302	168,695	.....	(1,013)	.....	(1,013)	.....	167,682	.....	.....	.....	2,854	11/25/2026	1.A
..3136A9-2X-5	FNW 2012-118 ZV Z SEQ 3.000% 11/25/42 .....	.....	09/01/2023	Paydown .....	.....	241,414	241,414	255,983	251,795	.....	(10,382)	.....	(10,382)	.....	241,414	.....	.....	.....	2,405	11/25/2042	1.A

STATEMENT AS OF SEPTEMBER 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
..3136AA-A2-1	FNR 2012-133 NA PAC-11 1.500% 05/25/42 .....	.....	09/01/2023	Paydown .....	.....	104,802	104,802	104,572	104,613	.....	189	.....	189	.....	104,802	.....	.....	.....	1,046	05/25/2042	1.A
..3136AA-FR-1	FNR 2012-138 QA EXCH PAC-11 2.000% 11/25/42 .....	.....	09/01/2023	Paydown .....	.....	292,211	292,211	298,375	296,892	.....	(4,681)	.....	(4,681)	.....	292,211	.....	.....	.....	3,883	11/25/2042	1.A
..3136AS-5M-4	FNR 2016-53 GA SEQ 3.500% 12/25/43 .....	.....	09/01/2023	Paydown .....	.....	99,254	99,254	105,310	101,350	.....	(2,096)	.....	(2,096)	.....	99,254	.....	.....	.....	2,274	12/25/2043	1.A
..3136AS-QR-0	FNR 2016-37 MJ EXCH SEQ 3.500% 08/25/43 .....	.....	09/01/2023	Paydown .....	.....	63,933	63,933	67,709	64,892	.....	(959)	.....	(959)	.....	63,933	.....	.....	.....	1,471	08/25/2043	1.A
..3136AS-XP-2	FNR 2017-67 BN EXCH AD SEQ 3.000% 02/25/44 .....	.....	09/01/2023	Paydown .....	.....	147,235	147,235	150,295	149,177	.....	(1,942)	.....	(1,942)	.....	147,235	.....	.....	.....	2,926	02/25/2044	1.A
..3136AX-M2-8	FNR 2017-62 AB EXCH PAC 3.000% 08/25/45 .....	.....	09/01/2023	Paydown .....	.....	288,771	288,771	296,081	293,241	.....	(4,470)	.....	(4,470)	.....	288,771	.....	.....	.....	5,678	08/25/2045	1.A
..3136B2-TU-9	FNR 2018-58 P AD PAC 4.000% 12/25/44 .....	.....	09/01/2023	Paydown .....	.....	82,466	82,466	84,966	84,242	.....	(1,776)	.....	(1,776)	.....	82,466	.....	.....	.....	2,116	12/25/2044	1.A
..3136B2-XP-2	FNR 2018-58 P AD PAC 4.000% 12/25/44 .....	.....	09/01/2023	Redemption 100.0000 .....	.....	82,466	82,466	84,966	84,242	.....	(1,776)	.....	(1,776)	.....	82,466	.....	.....	.....	2,116	12/25/2044	1.A
..3136B7-3Z-2	FANNIE MAE FANNIE MAE 3.500% 11/01/49 .....	.....	09/01/2023	Paydown .....	.....	82,769	82,769	85,666	85,298	.....	(2,528)	.....	(2,528)	.....	82,769	.....	.....	.....	1,823	11/01/2049	1.A
..3137AG-R3-6	FHR 3935 GA EXCH PAC-11 3.000% 10/15/26 .....	.....	09/01/2023	Paydown .....	.....	107,102	107,102	111,637	109,053	.....	(1,951)	.....	(1,951)	.....	107,102	.....	.....	.....	2,133	10/15/2026	1.A
..3137AG-UM-0	FHR 3940 CB SCH-11 3.000% 01/15/25 .....	.....	09/01/2023	Paydown .....	.....	227,751	227,751	237,217	230,653	.....	(2,902)	.....	(2,902)	.....	227,751	.....	.....	.....	4,350	01/15/2025	1.A
..3137AJ-CP-7	FHR 3958 PA PAC-11 3.000% 11/15/26 .....	.....	09/01/2023	Paydown .....	.....	134,133	134,133	139,786	136,698	.....	(2,566)	.....	(2,566)	.....	134,133	.....	.....	.....	2,533	11/15/2026	1.A
..3137BN-E8-3	FHR 4565 DM EXCH SEQ 3.000% 02/15/42 .....	.....	09/01/2023	Paydown .....	.....	147,484	147,484	152,831	148,169	.....	(684)	.....	(684)	.....	147,484	.....	.....	.....	2,939	02/15/2042	1.A
..3137BS-DS-9	FHR 4622 HA SEQ 3.000% 11/15/43 .....	.....	09/01/2023	Paydown .....	.....	178,506	178,506	186,874	181,980	.....	(3,474)	.....	(3,474)	.....	178,506	.....	.....	.....	3,637	11/15/2043	1.A
..3137BW-2C-7	FHR 4671 CA EXCH SEQ 3.500% 08/15/43 .....	.....	09/01/2023	Paydown .....	.....	51,259	51,259	53,101	51,784	.....	(525)	.....	(525)	.....	51,259	.....	.....	.....	1,195	08/15/2043	1.A
..3137BW-YS-7	FHR 4674 AL SEQ 3.000% 07/15/45 .....	.....	09/01/2023	Paydown .....	.....	217,818	217,818	203,830	211,611	.....	6,207	.....	6,207	.....	217,818	.....	.....	.....	4,337	07/15/2045	1.A
..3137F1-5E-4	FHR 4690 WA EXCH SEQ 3.500% 12/15/43 .....	.....	09/01/2023	Paydown .....	.....	304,825	304,825	314,923	307,649	.....	(2,824)	.....	(2,824)	.....	304,825	.....	.....	.....	7,173	12/15/2043	1.A
..3137FA-E7-9	FHR 4708 B EXCH SEQ 3.500% 10/15/44 .....	.....	09/01/2023	Paydown .....	.....	144,165	144,165	149,256	145,573	.....	(1,408)	.....	(1,408)	.....	144,165	.....	.....	.....	3,372	10/15/2044	1.A
..3137FB-D3-7	FHR 4728 A EXCH SEQ 3.500% 02/15/45 .....	.....	09/01/2023	Paydown .....	.....	87,441	87,441	90,430	88,466	.....	(1,025)	.....	(1,025)	.....	87,441	.....	.....	.....	2,045	02/15/2045	1.A
..3137FB-HU-3	FHR 4725 QT EXCH SEQ 3.500% 01/15/45 .....	.....	09/01/2023	Paydown .....	.....	146,386	146,386	151,292	148,001	.....	(1,616)	.....	(1,616)	.....	146,386	.....	.....	.....	3,423	01/15/2045	1.A
..3137FG-NC-5	FHR 4809 JY EXCH SEQ 4.500% 05/15/48 .....	.....	09/01/2023	Paydown .....	.....	146,436	146,436	154,375	150,810	.....	(4,374)	.....	(4,374)	.....	146,436	.....	.....	.....	4,392	05/15/2048	1.A
..3137FG-SK-2	FHR 4814 BA EXCH SC PT 4.500% 07/15/48 .....	.....	09/01/2023	Paydown .....	.....	114,163	114,163	118,016	116,519	.....	(2,356)	.....	(2,356)	.....	114,163	.....	.....	.....	3,315	07/15/2048	1.A
..3138EL-N8-2	FNMA AL4014 3.500% 07/01/43 .....	.....	09/01/2023	Paydown .....	.....	144,018	144,018	153,807	152,853	.....	(8,835)	.....	(8,835)	.....	144,018	.....	.....	.....	3,363	07/01/2043	1.A
..31392J-LN-7	FNR 2003-15 PG PAC-11 5.500% 03/25/33 .....	.....	09/01/2023	Paydown .....	.....	7,787	7,787	7,489	7,643	.....	144	.....	144	.....	7,787	.....	.....	.....	284	03/25/2033	1.A
..31394B-WK-6	FNR 2004-96 QD PAC-11 5.500% 12/25/34 .....	.....	09/01/2023	Paydown .....	.....	155,203	155,203	152,875	154,319	.....	884	.....	884	.....	155,203	.....	.....	.....	5,390	12/25/2034	1.A
..31395D-CQ-0	FNR 2006-41 ZV Z SEQ 6.000% 05/25/36 .....	.....	09/01/2023	Paydown .....	.....	75,603	75,603	74,032	74,911	.....	692	.....	692	.....	75,603	.....	.....	.....	3,125	05/25/2036	1.A
..31395E-RK-5	FHR 2840 ZH Z SEQ 5.000% 08/15/34 .....	.....	09/01/2023	Paydown .....	.....	13,246	13,246	11,193	12,663	.....	583	.....	583	.....	13,246	.....	.....	.....	437	08/15/2034	1.A
..31395N-GE-1	FNR 2006-45 AN SEQ 6.000% 06/25/26 .....	.....	09/01/2023	Paydown .....	.....	42,333	42,333	41,923	42,089	.....	245	.....	245	.....	42,333	.....	.....	.....	1,676	06/25/2026	1.A
..31396G-L8-2	FHR 3101 PE PAC-1-11 5.500% 01/15/36 .....	.....	09/01/2023	Paydown .....	.....	114,828	114,828	113,124	113,978	.....	850	.....	850	.....	114,828	.....	.....	.....	4,270	01/15/2036	1.A
..31397E-W5-0	FHR 3280 ME PAC-1-11 5.500% 02/15/37 .....	.....	09/01/2023	Paydown .....	.....	26,522	26,522	26,178	26,396	.....	126	.....	126	.....	26,522	.....	.....	.....	987	02/15/2037	1.A
..31397J-MR-2	FHR 3341 B SEQ 6.000% 07/15/37 .....	.....	09/01/2023	Paydown .....	.....	611	611	583	589	.....	22	.....	22	.....	611	.....	.....	.....	24	07/15/2037	1.A
..31397U-RC-5	FNR 2011-53 TN EXCH PT 4.000% 06/25/41 .....	.....	09/01/2023	Paydown .....	.....	186,210	186,210	196,338	195,054	.....	(8,844)	.....	(8,844)	.....	186,210	.....	.....	.....	4,959	06/25/2041	1.A
..3140J9-YB-1	FNMA BM5205 4.000% 06/01/45 .....	.....	09/01/2023	Paydown .....	.....	184,229	184,229	191,108	190,725	.....	(6,497)	.....	(6,497)	.....	184,229	.....	.....	.....	4,587	06/01/2045	1.A
..31418D-FN-7	FNMA POOL MA3772 3.500% 09/01/39 .....	.....	09/01/2023	Paydown .....	.....	110,079	110,079	114,121	113,915	.....	(3,835)	.....	(3,835)	.....	110,079	.....	.....	.....	2,490	09/01/2039	1.A
..31418D-GJ-5	FNMA POOL MA3800 3.000% 10/01/39 .....	.....	09/01/2023	Paydown .....	.....	88,541	88,541	90,754	90,647	.....	(2,106)	.....	(2,106)	.....	88,541	.....	.....	.....	1,755	10/01/2039	1.A
..31418D-HJ-4	FNMA POOL MA3832 3.500% 11/01/39 .....	.....	09/01/2023	Paydown .....	.....	40,119	40,119	41,699	41,626	.....	(1,507)	.....	(1,507)	.....	40,119	.....	.....	.....	936	11/01/2039	1.A
..31418D-JP-8	FNMA POOL MA3869 3.500% 12/01/39 .....	.....	09/01/2023	Paydown .....	.....	97,587	97,587	101,552	101,330	.....	(3,743)	.....	(3,743)	.....	97,587	.....	.....	.....	2,241	12/01/2039	1.A
..31418D-LP-5	FNMA POOL MA3933 2.500% 02/01/40 .....	.....	09/01/2023	Paydown .....	.....	161,547	161,547	163,869	163,755	.....	(2,209)	.....	(2,209)	.....	161,547	.....	.....	.....	2,706	02/01/2040	1.A
..31418D-MP-4	FNMA POOL MA3965 2.500% 03/01/40 .....	.....	09/01/2023	Paydown .....	.....	190,400	190,400	192,958	192,827	.....	(2,427)	.....	(2,427)	.....	190,400	.....	.....	.....	3,174	03/01/2040	1.A
..31418D-P4-8	FNMA POOL MA4042 2.000% 06/01/35 .....	.....	09/01/2023	Paydown .....	.....	419,228	419,228	432,198	431,041	.....	(11,813)	.....	(11,813)	.....	419,228	.....	.....	.....	5,567	06/01/2035	1.A
..31418D-Q2-1	FNMA POOL MA4072 2.500% 07/01/40 .....	.....	09/01/2023	Paydown .....	.....	285,242	285,242	296,429	295,865	.....	(10,623)	.....	(10,623)	.....	285,242	.....	.....	.....	4,766	07/01/2040	1.A
..31418D-Q4-7	FNMA POOL MA4074 2.000% 07/01/35 .....	.....	09/01/2023	Paydown .....	.....	411,924	411,924	424,668	423,589	.....	(11,665)	.....	(11,665)	.....	411,924	.....	.....	.....	5,477	07/01/2035	1.A
..31418D-QG-0	FNMA POOL MA4054 2.500% 06/01/40 .....	.....	09/01/2023	Paydown .....	.....	278,095	278,095	289,002	288,463	.....	(10,368)	.....	(10,368)	.....	278,095	.....	.....	.....	4,658	06/01/2040	1.A
..31418D-TJ-1	FNMA POOL MA4152 2.000% 09/01/40 .....	.....	09/01/2023	Paydown .....	.....	383,325	383,325	396,836	395,952	.....	(12,627)	.....	(12,627)	.....	383,325	.....	.....	.....	5,112	09/01/2040	1.A

STATEMENT AS OF SEPTEMBER 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 Recog- nized	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	
..31418D-U5-9	FNMA POOL MA4203 2.500% 11/01/40 .....	.....	09/01/2023	Paydown .....	.....	548,529	.....	548,529	.....	572,671	.....	.....	.....	.....	.....	548,529	.....	.....	.....	8,976	11/01/2040	1.A
..31418D-UA-8	FNMA POOL MA4176 2.000% 10/01/40 .....	.....	09/01/2023	Paydown .....	.....	385,636	.....	385,636	.....	399,375	.....	.....	.....	.....	.....	385,636	.....	.....	.....	5,155	10/01/2040	1.A
..54628C-G3-0	LOUISIANA ST LOCAL GOVT ENVRNM 5.197% 09/01/39 .....	.....	09/01/2023	Redemption 100.0000 .....	.....	241,407	.....	241,407	.....	241,407	.....	.....	.....	.....	.....	241,407	.....	.....	.....	8,887	09/01/2039	1.B FE
..57604P-5P-5	MASSACHUSETTS ST WTR POLL ABAT Massachusetts Clean Water 5.19 5.192% 08/01/40 .....	.....	08/01/2023	Call 100.0000 .....	.....	670,000	.....	670,000	.....	670,000	.....	.....	.....	.....	.....	670,000	.....	.....	.....	34,786	08/01/2040	1.A FE
..64990F-E3-4	NEW YORK ST DORM AUTH ST PERSO SERIES C 2.252% 03/15/32 .....	.....	09/08/2023	STIFEL NICOLAUS & COMPANY INC Redemption 100.0000 .....	.....	20,154,000	.....	25,000,000	.....	25,000,000	.....	.....	.....	.....	.....	25,000,000	.....	.....	.....	558,308	03/15/2032	1.B FE
..69848A-AA-6	PANHANDLE TX ECON DEV CORP LEA Panhandle Economic Develo 3.98 3.985% 07/15/48 .....	.....	07/15/2023	.....	.....	49,611	.....	49,611	.....	50,319	.....	.....	.....	.....	.....	49,611	.....	.....	.....	1,977	07/15/2048	1.E FE
..89602H-AG-2	TRIBOROUGH NY BRIDGE & TUNNEL SERIES A-3 2.411% 05/15/34 .....	.....	09/07/2023	U.S. BANCORP LIBRA .....	.....	6,855,115	.....	8,930,000	.....	7,002,102	.....	.....	.....	.....	.....	7,097,405	.....	.....	.....	177,026	05/15/2034	1.B FE
0909999999. Subtotal - Bonds - U.S. Special Revenues						36,128,976	43,049,861	41,366,549	41,311,877	.....	.....	.....	.....	.....	41,217,266	.....	.....	.....	.....	939,178	XXX	XXX
..032654-AS-4	ANALOG DEVICES INC 2.950% 04/01/25 .....	.....	08/18/2023	CABRERA CAPITAL MARKETS LLC .....	.....	2,262,627	.....	2,350,000	.....	2,338,156	.....	.....	.....	.....	.....	2,345,974	.....	.....	.....	61,815	04/01/2025	1.G FE
..032654-AZ-8	ANALOG DEVICES INC SERIES 144A 3.450% 06/15/27 .....	.....	09/18/2023	Tax Free Exchange .....	.....	14,258,562	.....	15,000,000	.....	14,089,920	.....	.....	.....	.....	.....	14,258,562	.....	.....	.....	392,438	06/15/2027	1.F FE
..037833-BY-5	APPLE INC SR UNSEC 3.250% 02/23/26 .....	.....	08/16/2023	RBC DAIN RAUSCHER INC. . JANE STREET EXECUTION .....	.....	7,807,293	.....	8,150,000	.....	8,132,070	.....	.....	.....	.....	.....	8,144,931	.....	.....	.....	261,196	02/23/2026	1.B FE
..037833-CX-6	APPLE INC SR UNSEC 3.000% 06/20/27 .....	.....	08/18/2023	SERVICES .....	.....	7,489,040	.....	8,000,000	.....	7,981,520	.....	.....	.....	.....	.....	7,992,265	.....	.....	.....	161,333	06/20/2027	1.B FE
..049560-AX-3	ATMOS ENERGY CORP 5.450% 10/15/32 .....	.....	08/04/2023	JP MORGAN SECURITIES ...	.....	5,043,890	.....	4,925,000	.....	4,918,141	.....	.....	.....	.....	.....	4,918,706	.....	.....	.....	227,405	10/15/2032	1.G FE
..05377R-CY-8	AESOP 2018-1A A SEQ 3.700% 09/20/24 .....	.....	09/20/2023	Paydown .....	.....	1,500,000	.....	1,500,000	.....	1,502,168	.....	.....	.....	.....	.....	1,500,000	.....	.....	.....	37,000	09/20/2024	1.A FE
..05607U-AA-7	BXGNT 2018-A A SEQ 3.770% 02/02/34 .....	.....	09/02/2023	Paydown .....	.....	100,258	.....	100,258	.....	100,233	.....	.....	.....	.....	.....	100,258	.....	.....	.....	2,572	02/02/2034	1.A FE
..065040-BC-2	BANK SERIES 2019-BN21 CLASS A4 2.600% 10/17/52 .....	.....	09/01/2023	Paydown .....	.....	23,879	.....	23,879	.....	24,798	.....	.....	.....	.....	.....	23,879	.....	.....	.....	429	10/17/2052	1.A
..105340-AQ-6	BRANDYWINE OPER PARTNERS CO.GUARNT 3.950% 11/15/27 .....	.....	09/14/2023	WELLS FARGO .....	.....	7,335,000	.....	9,000,000	.....	8,636,880	.....	.....	.....	.....	.....	8,821,857	.....	.....	.....	299,213	11/15/2027	2.C FE
..12510H-AB-6	CAPITAL AUTOMOTIVE REIT SERIES 2020-1A CLASS A2 144A 3.030% 02/15/50 .....	.....	09/15/2023	Paydown .....	.....	11,271	.....	11,271	.....	11,269	.....	.....	.....	.....	.....	11,271	.....	.....	.....	228	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 .....	.....	07/20/2023	Paydown .....	.....	11,895	.....	11,895	.....	11,894	.....	.....	.....	.....	.....	11,895	.....	.....	.....	145	07/20/2051	1.A FE
..12592B-AK-0	CNH INDUSTRIAL CAP LLC 1.950% 07/02/23 ....	.....	07/02/2023	Maturity .....	.....	7,300,000	.....	7,300,000	.....	7,254,010	.....	.....	.....	.....	.....	7,300,000	.....	.....	.....	142,350	07/02/2023	2.B FE
..12597C-AD-9	CNH SERIES 2019-C CLASS A4 2.120% 07/15/25 .....	.....	09/15/2023	Paydown .....	.....	2,738,065	.....	2,738,065	.....	2,737,389	.....	.....	.....	.....	.....	2,738,065	.....	.....	.....	40,394	07/15/2025	1.A FE
..12663D-AC-8	CREDIT SUISSE MORTGAGE TRUST SERIES 2022-NQMS CLASS A1 144A 5.169% 06/25/67 .....	.....	09/01/2023	Paydown .....	.....	693,877	.....	693,877	.....	690,384	.....	.....	.....	.....	.....	693,877	.....	.....	.....	25,530	06/25/2067	1.A FE
..14315W-AE-0	CARIX SERIES 2019-4 CLASS A4 2.130% 07/15/25 .....	.....	09/15/2023	Paydown .....	.....	1,085,149	.....	1,085,149	.....	1,085,128	.....	.....	.....	.....	.....	1,085,149	.....	.....	.....	16,990	07/15/2025	1.A FE
..14576A-AA-0	CAPITAL AUTOMOTIVE LP SERIES 2020-1A CLASS A1 144A 2.010% 12/15/50 .....	.....	09/15/2023	Paydown .....	.....	7,500	.....	7,500	.....	7,497	.....	.....	.....	.....	.....	7,500	.....	.....	.....	101	12/15/2050	1.A FE
..15135B-AR-2	CENTENE CORP SERIES W1 4.250% 12/15/27 ....	.....	08/07/2023	CANTOR FITZGERALD & CO. ....	.....	4,702,000	.....	5,000,000	.....	4,562,500	.....	.....	.....	.....	.....	4,625,109	.....	.....	.....	138,125	12/15/2027	2.C FE
..252722-AA-1	DROT 2019-1A A SEQ 2.890% 02/20/32 .....	.....	09/20/2023	Paydown .....	.....	31,719	.....	31,719	.....	31,806	.....	.....	.....	.....	.....	31,719	.....	.....	.....	610	02/20/2032	1.A FE
..25389J-AV-8	GOLDMAN SACHS & COMPANY .....	.....	08/03/2023	.....	.....	19,843,800	.....	20,000,000	.....	19,753,260	.....	.....	.....	.....	.....	19,786,780	.....	.....	.....	955,833	01/15/2028	2.B FE
..294751-CT-7	EQABS 2003-3 M1 MEZ AFC 4.868% 12/25/33 ....	.....	09/01/2023	Paydown .....	.....	24,835	.....	24,835	.....	24,778	.....	.....	.....	.....	.....	24,835	.....	.....	.....	795	12/25/2033	1.A FM
..302155-BG-0	EXPORT IMPORT BK UNITED STATES 2.537% 07/13/25 .....	.....	07/13/2023	Redemption 100.0000 .....	.....	344,124	.....	344,124	.....	344,124	.....	.....	.....	.....	.....	344,124	.....	.....	.....	6,548	07/13/2025	1.A Z
..341081-FZ-5	FLORIDA POWER & LIGHT CO 2.850% 04/01/25 .....	.....	08/18/2023	CABRERA CAPITAL MARKETS LLC .....	.....	2,714,514	.....	2,825,000	.....	2,822,119	.....	.....	.....	.....	.....	2,824,032	.....	.....	.....	71,790	04/01/2025	1.D FE

STATEMENT AS OF SEPTEMBER 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 Recog- nized	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	
..36258N-AD-4	GM FINANCIAL SECURITIZED TERM SERIES 2020-1 CLASS A4 1.900% 03/17/25		09/16/2023	Paydown THE TORONTO-DOMINION BANK		1,950,128	1,950,128	1,949,963	1,950,062		66		66		1,950,128				24,650	03/17/2025	1.A FE	
..37045X-EH-5	GENERAL MOTORS FINL CO 5.800% 06/23/28		08/04/2023	Redemption 100.0000		15,013,950	15,000,000	14,996,850		69			69		14,996,919		17,031	17,031	108,750	06/23/2028	2.B FE	
..39121J-AG-5	GREAT RIVER ENERGY 1ST MORTG 7.233% 07/01/38		07/01/2023			17,388	17,388	17,388	17,388						17,388				1,258	07/01/2038	1.G FE	
..39121J-AH-3	GREAT RIVER ENERGY 1ST MORTG 4.478% 07/01/30		07/01/2023	Call 100.0000		876,000	876,000	876,000	876,000						876,000				39,227	07/01/2030	1.G FE	
..404119-CD-9	HCA INC SERIES 144A 3.125% 03/15/27 .....	.....	08/07/2023	Tax Free Exchange	.....	4,682,973	5,000,000	4,599,550	4,635,916	.....	47,057	.....	47,057	.....	4,682,973	.....	.....	139,757	03/15/2027	2.C FE	....	
..42770L-AA-1	HERO 2015-1A A SEQ 3.840% 09/21/40 .....	.....	09/20/2023	Paydown	.....	99,256	99,256	99,211	99,239	.....	.....17	.....	.....17	.....	99,256	.....	.....	2,211	09/21/2040	1.A FE	....	
..42771A-AA-4	HERO 2017-3A A1 SEQ 3.190% 09/20/48 .....	.....	09/20/2023	Paydown	.....	121,633	121,633	121,592	121,602	.....	.....32	.....	.....32	.....	121,633	.....	.....	2,251	09/20/2048	1.A FE	....	
..42771L-AB-8	HERO 2017-2A A1 SEQ 3.280% 09/20/48 .....	.....	09/20/2023	Paydown	.....	59,325	59,325	59,317	59,320	.....	.....5	.....	.....5	.....	59,325	.....	.....	1,127	09/20/2048	1.A FE	....	
..42824C-BJ-7	HP ENTERPRISE CO 1.450% 04/01/24		08/23/2023	THE TORONTO-DOMINION BANK		14,601,450	15,000,000	14,982,450	14,994,067		3,061		3,061		14,997,127		(395,677)	(395,677)	195,750	04/01/2024	2.B FE	
..43283G-AA-0	HILTON GRAND VACATIONS TRUST SERIES 2022-2A CLASS A 144A 4.300% 01/25/37 .....	.....	09/25/2023	Paydown	.....	475,270	475,270	472,926	397,980	.....	2,340	.....	2,340	.....	475,270	.....	.....	12,736	01/25/2037	1.A FE	....	
..43284B-AA-0	HGVT 2018-AA A SEQ 3.540% 02/25/32 .....	.....	09/25/2023	Paydown MORGAN STANLEY & CO. INC.	.....	46,084	46,084	46,070	46,077	.....	.....8	.....	.....8	.....	46,084	.....	.....	1,089	02/25/2032	1.A FE	....	
..458140-BP-4	INTEL CORP 3.400% 03/25/25		08/18/2023			9,696,900	10,000,000	9,984,500	9,992,766		2,011		2,011		9,994,776		(297,876)	(297,876)	308,833	03/25/2025	1.F FE	
..46649K-AC-9	JP MORGAN MORTGAGE TRUST SERIES 2018-5 CLASS A3 144A 3.500% 10/25/48 .....	.....	09/01/2023	Paydown	.....	53,284	53,284	54,267	53,346	.....	(61)	.....	(61)	.....	53,284	.....	.....	1,254	10/25/2048	1.A	.....	
..46654D-AP-8	JP MORGAN MORTGAGE TRUST SERIES 2021-INV4 CLASS A5A 144 2.500% 01/25/52 .....	.....	09/01/2023	Paydown	.....	257,932	257,932	201,590	202,665	.....	55,266	.....	55,266	.....	257,932	.....	.....	4,383	01/25/2052	1.A	.....	
..50558B-BJ-1	LACLEDE GAS CO 1ST MORTG 3.400% 08/15/23 .	.....	08/15/2023	Maturity	.....	3,125,000	3,125,000	3,115,531	3,124,314	.....	686	.....	686	.....	3,125,000	.....	.....	106,250	08/15/2023	1.F FE	....	
..52521R-AS-0	LMT 2007-5 2A3 FLT SSNR AS 8.734% 06/25/37		07/25/2023	Paydown CITIGROUP GLOBAL MARKETS INC		19	19	1	1						1		(1)	(1)		06/25/2037	1.A FM	
..532457-BP-2	ELI LILLY & CO SR UNSEC 3.100% 05/15/27 ...		08/17/2023			4,702,350	5,000,000	4,998,250	4,999,180		111		111		4,999,291		(296,941)	(296,941)	117,542	05/15/2027	1.E FE	
..534187-BD-0	LINCOLN NATIONAL CORP SR UNSEC 4.000% 09/01/23 .....	.....	09/01/2023	Maturity	.....	975,000	975,000	1,008,452	979,319	.....	(4,319)	.....	(4,319)	.....	975,000	.....	.....	39,000	09/01/2023	2.A FE	....	
..553896-AA-9	MVIOT 2017-1A A SEQ 2.420% 12/20/34 .....	.....	09/20/2023	Paydown	.....	83,710	83,710	83,050	83,374	.....	335	.....	335	.....	83,710	.....	.....	1,353	12/20/2034	1.A FE	....	
..55400D-AA-9	MVIOT SERIES 2019-2A CLASS A 144A 2.220% 10/20/38 .....	.....	09/20/2023	Paydown	.....	242,237	242,237	238,221	239,312	.....	2,925	.....	2,925	.....	242,237	.....	.....	3,595	10/20/2038	1.A FE	....	
..55400U-AA-1	MVI OWNER TRUST SERIES 2022-1A CLASS A 144A 4.150% 11/21/39 .....	.....	09/20/2023	Paydown THE TORONTO-DOMINION BANK	.....	83,491	83,491	80,204	80,209	.....	3,282	.....	3,282	.....	83,491	.....	.....	2,325	11/21/2039	1.A FE	....	
..594918-BJ-2	MICROSOFT CORP SR UNSEC 3.125% 11/03/25 ...		08/07/2023			24,072,250	25,000,000	24,993,500	24,997,947		422		422		24,998,369		(926,119)	(926,119)	598,958	11/03/2025	1.A FE	
..60910*-AA-1	MONARCH SECURITIZATION SERIES 2021-1 CLASS A-1 3.750% 01/20/32 .....	.....	07/20/2023	Paydown	.....	902,865	902,865	902,865	902,865	.....	.....	.....	.....	.....	902,865	.....	.....	33,857	01/20/2032	2.B PL	....	
..62848B-AA-9	MVIOT 2018-1A A SEQ 3.450% 01/21/36 .....	.....	09/20/2023	Paydown DAIWA SECURITIES AMERICA INC	.....	131,431	131,431	131,455	131,445	.....	(14)	.....	(14)	.....	131,431	.....	.....	3,030	01/21/2036	1.A FE	....	
..63743H-FJ-6	NATIONAL RURAL UTIL COOP 5.050% 09/15/28 ...		08/04/2023			19,962,800	20,000,000	19,997,800							19,997,800		(35,000)	(35,000)	109,417	09/15/2028	1.F FE	
..63935B-AA-1	NAVIENT STUDENT LOAN TRUST SERIES 2020-HA CLASS A 144A 1.310% 01/15/69 .....	.....	09/15/2023	Paydown	.....	60,373	60,373	60,368	60,369	.....	.....4	.....	.....4	.....	60,373	.....	.....	527	01/15/2069	1.A FE	....	
..63941K-AB-1	NAVIENT STUDENT LOAN TRUST SERIES 2020-CA CLASS A2A 144A 2.150% 11/15/68 .....	.....	09/15/2023	Paydown	.....	292,559	292,559	291,933	292,181	.....	377	.....	377	.....	292,559	.....	.....	4,191	11/15/2068	1.A FE	....	
..63941L-AB-9	NAVSL 2019-BA A2A SEQ 3.390% 12/15/59 .....	.....	09/15/2023	Paydown	.....	82,116	82,116	82,112	82,114	.....	.....2	.....	.....2	.....	82,116	.....	.....	1,866	12/15/2059	1.A FE	....	
..66765R-CA-2	NORTHWEST NATURAL GAS CO 1ST MORTG 3.542% 08/19/23 .....	.....	08/19/2023	Maturity	.....	2,500,000	2,500,000	2,500,000	2,500,000	.....	.....	.....	.....	.....	2,500,000	.....	.....	88,550	08/19/2023	1.F FE	....	
..67181D-AA-9	OAK STREET INVESTMENT GRADE SERIES 2020-1A CLASS A1 144A 1.850% 10/20/50 .....	.....	09/20/2023	Paydown	.....	47,957	47,957	47,697	47,760	.....	197	.....	197	.....	47,957	.....	.....	591	10/20/2050	1.A FE	....	

STATEMENT AS OF SEPTEMBER 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	
..67181D-AJ-0	OAK STREET INVESTMENT GRADE SERIES 2021-2A CLASS A1 144A 2.380% 11/20/51		09/20/2023	Paydown		21,412	21,412	21,404	21,405			6	6		21,412				340	11/20/2051	1.A FE	
..67190A-AA-4	OAK STREET INVESTMENT GRADE SERIES 2021-1A CLASS A1 144A 1.480% 01/20/51		09/20/2023	Paydown		21,778	21,778	21,775	21,776			2	2		21,778				215	01/20/2051	1.A FE	
..67190A-AB-2	OAK STREET INVESTMENT GRADE SERIES 2021-1A CLASS A2 144A 1.930% 01/20/51		09/20/2023	Paydown		8,711	8,711	8,710	8,710			1	1		8,711				112	01/20/2051	1.A FE	
..693650-AL-7	PSMC TRUST SERIES 2021-1 CLASS A11 144A 2.500% 03/25/51		09/01/2023	Paydown		258,520	258,520	264,741	262,748		(4,228)		(4,228)		258,520				4,423	03/25/2051	1.A	
..69376C-AC-8	PSMC TRUST SERIES 2021-2 CLASS A3 144A 2.500% 05/25/51		09/01/2023	Paydown		247,703	247,703	254,979	252,510		(4,807)		(4,807)		247,703				4,117	05/25/2051	1.A	
..713448-DF-2	PEPSICO INC SR UNSEC 2.850% 02/24/26		08/18/2023	MORGAN STANLEY & CO. INC.		4,030,573	4,250,000	4,246,685	4,248,854		225		225		4,249,079		(218,507)	(218,507)	120,452	02/24/2026	1.E FE	
..718547-AR-3	PHILLIPS 66 5.300% 06/30/33		08/04/2023	GOLDMAN SACHS & COMPANY		24,969,243	25,350,000	25,240,909			2,628		2,628		25,243,537		(274,294)	(274,294)	481,439	06/30/2033	2.A FE	
..742718-FG-9	PROCTER & GAMBLE CO THE 2.800% 03/25/27		08/18/2023	GOLDMAN SACHS & COMPANY		2,141,047	2,300,000	2,294,204	2,296,363		520		520		2,296,883		(155,836)	(155,836)	58,497	03/25/2027	1.D FE	
..74340X-BU-4	PROLOGIS LP 3.250% 06/30/26		08/03/2023	GOLDMAN SACHS & COMPANY		2,224,440	2,350,000	2,167,964	2,178,651		27,102		27,102		2,205,753		18,687	18,687	46,037	06/30/2026	1.G FE	
..74340X-BV-2	PROLOGIS LP 3.375% 12/15/27		08/03/2023			4,653,250	5,000,000	4,534,395	4,553,346		47,899		47,899		4,601,245		52,005	52,005	108,750	12/15/2027	1.G FE	
..75975B-AA-6	RENEW FINANCIAL SERIES 2021-1 CLASS A 144A 2.060% 11/20/56		09/20/2023	Paydown		67,076	67,076	67,066	67,066		9		9		67,076				709	11/20/2056	1.A FE	
..78448W-AB-1	SMB 2017-A A2A SEQ 2.880% 09/15/34		09/15/2023	Paydown		117,323	117,323	117,282	117,303		20		20		117,323				2,252	09/15/2034	1.A FE	
..78449K-AB-6	SMB 2016-C A2A SEQ 2.340% 09/15/34		09/15/2023	Paydown		179,572	179,572	177,257	178,821		751		751		179,572				2,809	09/15/2034	1.A FE	
..78449L-AB-4	SMB 2018-B A2A SEQ 3.600% 01/15/37		09/15/2023	Paydown		375,923	375,923	382,848	380,169		(4,246)		(4,246)		375,923				9,017	01/15/2037	1.A FE	
..81745A-AB-3	SEQUOIA MORTGAGE TRUST SERIES 2013-5 CLASS A2 144A 3.000% 05/25/43		09/01/2023	Paydown		38,244	38,244	38,830	38,719		(475)		(475)		38,244				766	05/25/2043	1.A	
..82650B-AA-4	SIERRA RECEIVABLES FUNDING CO SERIES 2023-2A CLASS A 144A 5.800% 04/20/40		09/20/2023	Paydown		607,850	607,850	607,842			8		8		607,850				4,070	04/20/2040	1.A FE	
..82652M-AA-8	SRFC 2019-2A A SEQ 2.590% 05/20/36		09/20/2023	Paydown		142,173	142,173	142,135	142,150		24		24		142,173				2,455	05/20/2036	1.A FE	
..82652N-AA-6	SRFC SERIES 2019-3A CLASS A 144A 2.340% 07/15/38		09/20/2023	Paydown		61,130	61,130	61,129	61,128		1		1		61,130				944	07/15/2038	1.A FE	
..82653D-AA-7	SRFC 2018-2A A SEQ 3.500% 06/20/35		07/20/2023	Paydown		1,111,505	1,111,505	1,106,175	1,108,557		2,948		2,948		1,111,505				22,693	06/20/2035	1.A FE	
..82653G-AA-0	SRFC 2018-3A A SEQ 3.690% 09/20/35		09/20/2023	Paydown		52,013	52,013	51,756	51,862		151		151		52,013				1,275	09/20/2035	1.A FE	
..830867-AA-5	DELTA AIR LINES SKYMILES SERIES 144A 4.500% 10/20/25		07/20/2023	Call	100.0000	138,000	138,000	138,000	138,000						138,000				4,658	10/20/2025	2.B FE	
..83189D-AB-6	SMB 2017-B A2A SEQ 2.820% 10/15/35		09/15/2023	Paydown		77,778	77,778	75,725	76,892		886		886		77,778				1,463	10/15/2035	1.A FE	
..83403Y-AB-0	SOFI 2017-B A2FX SEQ 2.740% 05/25/40		09/25/2023	Paydown		106,433	106,433	106,407	106,429		4		4		106,433				1,966	05/25/2040	1.A FE	
..83405D-AC-2	SOFI 2017-C A2B SEQ 2.630% 07/25/40		09/25/2023	Paydown		22,452	22,452	22,446	22,450		2		2		22,452				388	07/25/2040	1.A FE	
..83406E-AC-9	SOFI 2018-A A2B SEQ 2.950% 02/25/42		09/25/2023	Paydown		177,064	177,064	174,800	176,340		725		725		177,064				3,497	02/25/2042	1.A FE	
..86190B-AA-2	STORE MASTER FUNDING LLC SERIES 2021-1A CLASS A1 144A 2.120% 06/20/51		09/20/2023	Paydown		16,675	16,675	16,481	16,512		163		163		16,675				236	06/20/2051	1.A FE	
..86190B-AB-0	STORE MASTER FUNDING LLC SERIES 2021-1A CLASS A2 144A 2.960% 06/20/51		09/20/2023	Paydown		3,750	3,750	3,748	3,749		2		2		3,750				74	06/20/2051	1.A FE	
..86358R-XZ-5	SASC 2002-AL1 A3 AS CPT SEQ 3.450% 02/25/32		09/01/2023	Paydown		12,791	15,312	10,281	10,281		4,203		4,203		14,484		(1,693)	(1,693)	351	02/25/2032	5.A Z	
..86359B-2H-3	SASC 2005-2XS 2A1 XRESET FTV FLT DL 5.935% 02/25/35		09/01/2023	Paydown		13,061	13,061	13,061	13,061						13,061				441	02/25/2035	1.A FM	
..88250B-BH-6	TEXAS INSTRUMENTS INC 1.375% 03/12/25		08/16/2023	BANK OF AMERICA		4,071,209	4,325,000	4,318,556	4,322,118		813		813		4,322,931		(251,722)	(251,722)	55,504	03/12/2025	1.E 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
..89236T-HA-6	TOYOTA MOTOR CREDIT CORP SERIES MTN 1.350% 08/25/23		08/25/2023	Maturity		20,000,000	20,000,000	19,992,600	19,998,471		1,529		1,529		20,000,000				270,000	08/25/2023	1.E FE
..89239R-AD-8	TOYOTA AUTO RECEIVABLES OWNER SERIES 2020-B CLASS A4 1.660% 09/15/25		09/15/2023	Paydown		227,359	227,359	227,288	227,340		19		19		227,359				2,831	09/15/2025	1.A FE
..904764-AS-6	UNILEVER CAPITAL CORP CO.GUARNT 3.100% 07/30/25		08/16/2023	U.S. BANCORP INVESTMENTS INC		11,893,613	12,375,000	12,231,203	12,333,400		9,854		9,854		12,343,254		(449,641)	(449,641)	402,806	07/30/2025	1.E FE
..918286-AA-3	VSTNA 2018-A A SEQ 3.560% 02/20/36		09/20/2023	Paydown		235,258	235,258	239,017	237,716		(2,458)		(2,458)		235,258				5,556	02/20/2036	1.A FE
..918288-AA-9	VSTNA 2017-A A SEQ 2.330% 03/20/35		09/20/2023	Paydown		68,594	68,594	68,580	68,587		7		7		68,594				1,058	03/20/2035	1.A FE
..92538F-AA-2	VERUS SECURITIZATION TRUST SERIES 2021-2 CLASS A1 144A 1.031% 02/25/66		09/01/2023	Paydown		171,414	171,414	171,411	171,357		57		57		171,414				1,217	02/25/2066	1.A FE
..92538F-AB-0	VERUS SECURITIZATION TRUST SERIES 2021-2 CLASS A2 144A 1.288% 02/25/66		09/01/2023	Paydown		76,903	76,903	76,902	76,871		32		32		76,903				682	02/25/2066	1.B FE
..92539N-AA-4	VERUS SECURITIZATION TRUST SERIES 2022-7 CLASS A1 144A 5.152% 07/25/67		09/01/2023	Paydown		706,453	706,453	706,445	706,184		270		270		706,453				23,409	07/25/2067	1.A FE
..95001M-AE-0	WFCM 2017-C38 A4 SEQ 3.190% 07/15/50		09/01/2023	Paydown		215,993	215,993	218,144	216,596		(603)		(603)		215,993				5,168	07/15/2050	1.A
..89153U-AF-8	TOTAL CAPITAL CANADA LTD CO.GUARNT 2.750% 07/15/23	A	07/15/2023	Maturity		10,000,000	10,000,000	9,981,900	9,998,939		1,061		1,061		10,000,000				275,000	07/15/2023	1.E FE
..75973F-AA-9	RENEW 2018-1 A SEQ 3.950% 09/20/53	D	09/20/2023	Paydown		99,781	99,781	99,743	99,750		31		31		99,781				2,249	09/20/2053	1.A FE
..822582-BD-3	SHELL INTERNATIONAL FIN CO.GUARNT 3.250% 05/11/25	D	08/16/2023	U.S. BANCORP INVESTMENTS INC		18,754,061	19,425,000	19,365,754	19,409,241		4,081		4,081		19,413,322		(659,262)	(659,262)	485,760	05/11/2025	1.D FE
..822582-CB-6	SHELL INTERNATIONAL FIN CO.GUARNT 3.875% 11/13/28	D	08/21/2023	KEYBANC CAPITAL MARKETS		7,577,114	8,000,000	7,938,400	7,960,986		3,847		3,847		7,964,833		(387,713)	(387,713)	241,111	11/13/2028	1.D FE
1109999999. Subtotal - Bonds - Industrial and Miscellaneous (Unaffiliated)						306,540,252	315,663,843	312,058,192	251,699,808		446,144		446,144		313,064,305		(6,524,049)	(6,524,049)	7,453,965	XXX	XXX
2509999997. Total - Bonds - Part 4						352,582,474	368,626,950	363,393,417	302,913,117		365,226		365,226		364,196,700		(11,614,222)	(11,614,222)	8,682,205	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						352,582,474	368,626,950	363,393,417	302,913,117		365,226		365,226		364,196,700		(11,614,222)	(11,614,222)	8,682,205	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						352,582,474	XXX	363,393,417	302,913,117		365,226		365,226		364,196,700		(11,614,222)	(11,614,222)	8,682,205	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 .....	.....	.....	.....	.....	..... (19,897)	 (21,509)	 (9,895)	..XXX.
Citibank, N.A. New York, NY .....	.....	.....	..... 176,160	.....	..... 5,264,327	 (15,253,221)	 18,966,182	..XXX.
Harris, N.A. Chicago, IL .....	.....	.....	.....	.....	..... 98,577	 15,225	 31,106	..XXX.
JPMorgan Chase Bank, N.A. New York, NY .....	.....	.....	.....	.....	..... 30,000	 30,000	 30,000	..XXX.
The Northern Trust Company ... Chicago, IL .....	.....	.....	.....	.....	..... 25,000	 20,000	 20,000	..XXX.
Wells Fargo, N.A. Philadelphia, PA .....	.....	.....	.....	.....	..... (12,683,844)	 (12,097,489)	 (14,117,093)	..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	176,160		(7,285,837)	(27,306,994)	4,920,300	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	176,160		(7,285,837)	(27,306,994)	4,920,300	XXX
0499999. Cash in Company's Office	XXX	XXX	XXX	XXX				XXX
.....								
.....								
.....								
.....								
.....								
.....								
0599999. Total - Cash	XXX	XXX	176,160		(7,285,837)	(27,306,994)	4,920,300	XXX

SCHEDULE E - PART 2 - CASH EQUIVALENTS

[illegible]