

# **QUARTERLY STATEMENT**

**OF THE**

**TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA**

**TO THE**

**Insurance Department**

**OF THE**

**STATE OF**

**FOR THE QUARTER ENDED  
JUNE 30, 2019**

☒ **LIFE AND ACCIDENT AND HEALTH**

☐ **FRATERNAL BENEFIT SOCIETIES**

# **2019**



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

QUARTERLY STATEMENT  
AS OF JUNE 30, 2019  
OF THE CONDITION AND AFFAIRS OF THE  
**Teachers Insurance and Annuity Association of America**

NAIC Group Code 1216 1216 NAIC Company Code 69345 Employer's ID Number 13-1624203  
(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 & Health [ X ] Fraternal Benefit Societies [ ]

Incorporated/Organized 03/04/1918 Commenced Business 05/17/1918

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 Koon Eisenhauer, 704-988-4560  
(Name) (Area Code) (Telephone Number)  
seisenhauer@tiaa.org 704-988-4914  
(E-mail Address) (FAX Number)

OFFICERS

President & Chief Executive Officer	<u>Roger Walton Ferguson, Jr.</u>	SEVP & Chief Financial Officer	<u>Glenn Robert Richter #</u>
SMD & Corporate Secretary	<u>Mona (NMN) Bhalla</u>	SVP & Chief Actuary	<u>Christine Ellen Dugan #</u>

OTHER

<u>Vijay Chandur Advani, SEVP, Chief Executive Officer, Nuveen</u>	<u>John Lewis Douglas, SEVP, Chief Oversight and Advocacy Officer</u>	<u>Lori Dickerson Fouché, SEVP, Chief Executive Officer, TIAA Financial Solutions</u>
<u>Rahul Narandas Merchant, SEVP, Head of Client Services and Tech</u>	<u>Oluseun S Salami, SVP, Chief Accounting Officer and Corporate Controller</u>	<u>Sean Nigel Woodroffe, SEVP, Chief Human Resources Officer</u>

DIRECTORS OR TRUSTEES

<u>Jeffrey Robert Brown</u>	<u>Priscilla Sims Brown</u>	<u>James Robert Chambers</u>
<u>Roger Walton Ferguson, Jr.</u>	<u>Tamara Simpkins Franklin</u>	<u>Lisa Wolfson Hess</u>
<u>Edward Mark Hundert</u>	<u>Maureen Patricia O'Hara</u>	<u>Donald Kent Peterson</u>
<u>Sidney Allen Ribeiro</u>	<u>Dorothy Kathryn Robinson</u>	<u>Kim Michele Sharan</u>
<u>David Lloyd Shedlarz</u>	<u>Ronald Lurie Thompson</u>	<u>Marta (NMN) Tienda</u>

State of New York SS:  
County of New York

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

<u>Roger Walton Ferguson, Jr.</u> Roger Walton Ferguson, Jr. President & Chief Executive Officer	<u>Mona Bhalla</u> Mona (NMN) Bhalla SMD & Corporate Secretary	<u>Glenn Robert Richter</u> Glenn Robert Richter SEVP & Chief Financial Officer
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Subscribed and sworn to before me this 22nd day of July, 2019  
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 09-21-2021

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 .....	189,079,994,409	20,012,901	189,059,981,508	187,325,118,786
2. Stocks:				
2.1 Preferred stocks .....	351,062,636		351,062,636	245,061,072
2.2 Common stocks .....	5,885,246,019	8,808,450	5,876,437,569	5,899,246,563
3. Mortgage loans on real estate:				
3.1 First liens .....	29,407,497,578		29,407,497,578	27,391,045,311
3.2 Other than first liens.....	2,679,371,938		2,679,371,938	2,567,530,391
4. Real estate:				
4.1 Properties occupied by the company (less \$ ..... encumbrances) .....	173,959,780		173,959,780	173,282,218
4.2 Properties held for the production of income (less \$ .....44,038,300 encumbrances) .....	2,034,594,970		2,034,594,970	1,966,277,308
4.3 Properties held for sale (less \$ ..... encumbrances) .....				12,323,484
5. Cash (\$ .....21,740,235 ), cash equivalents (\$ .....37,853,667 ) and short-term investments (\$ .....2,440,451 ) .....	62,034,353		62,034,353	597,573,069
6. Contract loans (including \$ ..... premium notes) .....	1,851,542,927	119,931	1,851,422,996	1,889,982,863
7. Derivatives .....	981,421,667		981,421,667	967,845,751
8. Other invested assets .....	30,778,167,818	102,076,727	30,676,091,091	30,316,688,896
9. Receivables for securities .....	260,197,495		260,197,495	82,576,836
10. Securities lending reinvested collateral assets .....	523,117,200		523,117,200	561,635,041
11. Aggregate write-ins for invested assets .....	22,255,132		22,255,132	13,275,462
12. Subtotals, cash and invested assets (Lines 1 to 11) .....	264,090,463,922	131,018,009	263,959,445,913	260,009,463,051
13. Title plants less \$ ..... charged off (for Title insurers only) .....				
14. Investment income due and accrued .....	1,816,692,824		1,816,692,824	1,802,318,739
15. Premiums and considerations:				
15.1 Uncollected premiums and agents' balances in the course of collection .....	2,060,927		2,060,927	2,677,933
15.2 Deferred premiums, agents' balances and installments booked but deferred and not yet due (including \$ ..... earned but unbilled premiums) .....	45,262,253	93,121	45,169,132	48,025,594
15.3 Accrued retrospective premiums (\$ ..... ) and contracts subject to redetermination (\$ ..... ) .....				
16. Reinsurance:				
16.1 Amounts recoverable from reinsurers .....				
16.2 Funds held by or deposited with reinsured companies .....				
16.3 Other amounts receivable under reinsurance contracts .....	994,524		994,524	2,422,317
17. Amounts receivable relating to uninsured plans .....				
18.1 Current federal and foreign income tax recoverable and interest thereon .....				
18.2 Net deferred tax asset .....	5,405,458,000	2,955,153,000	2,450,305,000	2,401,938,000
19. Guaranty funds receivable or on deposit .....	15,047,479		15,047,479	15,047,255
20. Electronic data processing equipment and software .....	340,579,207	314,671,347	25,907,860	27,136,653
21. Furniture and equipment, including health care delivery assets (\$ ..... ) .....	76,834,762	76,834,762		
22. Net adjustment in assets and liabilities due to foreign exchange rates .....				
23. Receivables from parent, subsidiaries and affiliates .....	139,671,231	802	139,670,429	192,312,333
24. Health care (\$ ..... ) and other amounts receivable .....				
25. Aggregate write-ins for other than invested assets .....	723,459,952	165,621,718	557,838,234	496,315,664
26. Total assets excluding Separate Accounts, Segregated Accounts and Protected Cell Accounts (Lines 12 to 25) .....	272,656,525,081	3,643,392,759	269,013,132,322	264,997,657,539
27. From Separate Accounts, Segregated Accounts and Protected Cell Accounts .....	41,406,450,165		41,406,450,165	38,288,611,045
28. Total (Lines 26 and 27)	314,062,975,246	3,643,392,759	310,419,582,487	303,286,268,584
DETAILS OF WRITE-INS				
1101. Derivative collateral – receivable .....	19,786,058		19,786,058	10,830,279
1102. Investments in process .....	2,168,774		2,168,774	2,026,825
1103. Receivable for securities lending .....	300,300		300,300	418,358
1198. Summary of remaining write-ins for Line 11 from overflow page .....				
1199. Totals (Lines 1101 through 1103 plus 1198)(Line 11 above)	22,255,132		22,255,132	13,275,462
2501. Sundry receivables .....	589,324,568	31,486,334	557,838,234	496,315,664
2502. Prepaid expenses .....	126,527,337	126,527,337		
2503. Intangible asset – AML – SERP .....	7,608,047	7,608,047		
2598. Summary of remaining write-ins for Line 25 from overflow page .....				
2599. Totals (Lines 2501 through 2503 plus 2598)(Line 25 above)	723,459,952	165,621,718	557,838,234	496,315,664

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

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

LIABILITIES, SURPLUS AND OTHER FUNDS

	1 Current Statement Date	2 December 31 Prior Year
1. Aggregate reserve for life contracts \$ .....214,030,076,856 less \$ ..... included in Line 6.3 (including \$ ..... Modco Reserve) .....	214,030,076,856	211,345,444,121
2. Aggregate reserve for accident and health contracts (including \$ ..... Modco Reserve) .....	8,006	8,006
3. Liability for deposit-type contracts (including \$ ..... Modco Reserve) .....	1,128,667,989	1,105,189,756
4. Contract claims:		
4.1 Life .....	772,976,215	687,442,069
4.2 Accident and health .....		
5. Policyholders' dividends/refunds to members \$ .....2,567,486 and coupons \$ ..... due and unpaid .....	2,567,486	2,967,781
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) .....	1,099,061,964	1,882,203,352
6.2 Policyholders' dividends and refunds to members not yet apportioned (including \$ ..... Modco) .....	770,266,134	
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 .....	533,996	677,950
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 \$ .....4,125,780 ceded .....	4,125,780	3,970,898
9.4 Interest Maintenance Reserve .....	2,049,850,200	2,148,531,201
10. Commissions to agents due or accrued-life and annuity contracts \$ ..... , accident and health \$ ..... and deposit-type contract funds \$ ..... .....		
11. Commissions and expense allowances payable on reinsurance assumed .....		
12. General expenses due or accrued .....	713,299,590	1,027,621,007
13. Transfers to Separate Accounts due or accrued (net) (including \$ ..... accrued for expense allowances recognized in reserves, net of reinsured allowances) .....	4,626,427	8,377,740
14. Taxes, licenses and fees due or accrued, excluding federal income taxes .....	22,133,528	32,301,859
15.1 Current federal and foreign income taxes, including \$ ..... on realized capital gains (losses) .....	51,987,443	45,373,848
15.2 Net deferred tax liability .....		
16. Unearned investment income .....	1,831,109	1,373,608
17. Amounts withheld or retained by reporting entity as agent or trustee .....	238,744,353	228,101,036
18. Amounts held for agents' account, including \$ ..... agents' credit balances .....		
19. Remittances and items not allocated .....	83,711,442	73,692,708
20. Net adjustment in assets and liabilities due to foreign exchange rates .....		
21. Liability for benefits for employees and agents if not included above .....	162,399,396	167,155,026
22. Borrowed money \$ .....175,000,000 and interest thereon \$ ..... .....	175,000,000	
23. Dividends to stockholders declared and unpaid .....		
24. Miscellaneous liabilities:		
24.01 Asset valuation reserve .....	5,926,337,534	5,259,527,188
24.02 Reinsurance in unauthorized and certified (\$ ..... ) companies .....		
24.03 Funds held under reinsurance treaties with unauthorized and certified (\$ ..... ) reinsurers .....		
24.04 Payable to parent, subsidiaries and affiliates .....	431,831,334	649,195,987
24.05 Drafts outstanding .....		
24.06 Liability for amounts held under uninsured plans .....		
24.07 Funds held under coinsurance .....		
24.08 Derivatives .....	164,140,802	164,437,692
24.09 Payable for securities .....	180,495,938	116,386,766
24.10 Payable for securities lending .....	523,117,201	561,635,042
24.11 Capital notes \$ ..... and interest thereon \$ ..... .....		
25. Aggregate write-ins for liabilities .....	1,684,985,140	1,403,753,172
26. Total liabilities excluding Separate Accounts business (Lines 1 to 25) .....	230,222,775,863	226,915,367,813
27. From Separate Accounts Statement .....	41,352,764,777	38,244,597,043
28. Total liabilities (Lines 26 and 27) .....	271,575,540,640	265,159,964,856
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 .....	5,041,229,465	5,041,067,049
33. Gross paid in and contributed surplus .....	550,000	550,000
34. Aggregate write-ins for special surplus funds .....	33,799,762,382	33,082,186,679
35. Unassigned funds (surplus) .....		
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 \$ .....53,685,388 in Separate Accounts Statement) .....	38,841,541,847	38,123,803,728
38. Totals of Lines 29, 30 and 37 .....	38,844,041,847	38,126,303,728
39. Totals of Lines 28 and 38 (Page 2, Line 28, Col. 3) .....	310,419,582,487	303,286,268,584
<b>DETAILS OF WRITE-INS</b>		
2501. Derivative collateral – payable .....	984,485,756	760,848,028
2502. Miscellaneous liabilities .....	538,789,555	482,606,851
2503. Deferred gain on asset transfer with affiliate .....	215,897,162	216,028,712
2598. Summary of remaining write-ins for Line 25 from overflow page .....	(54,187,333)	(55,730,419)
2599. Totals (Lines 2501 through 2503 plus 2598)(Line 25 above) .....	1,684,985,140	1,403,753,172
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. Conting. res. for invest. losses, annuity and insurance mort. and other risks ** .....	33,799,762,382	33,082,186,679
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) .....	33,799,762,382	33,082,186,679

\*\* The amount of the annuitant mortality fluctuation fund for the Real Estate account is \$108,894,012 and for the Access account is \$16,801,276.  
Note for line 6.1: Because TIAA operates without profit to the corporation or its stockholders, excess earnings which exceeded the amount contained on line 6.1 of prior year's statements were credited to policyholders as Additional Amounts during the year. Additional Amounts are referred to as policyholder's dividends throughout this statement.



SUMMARY OF OPERATIONS

	1 Current Year To Date	2 Prior Year To Date	3 Prior Year Ended December 31
1. Premiums and annuity considerations for life and accident and health contracts .....	7,852,493,176	7,506,014,576	15,033,997,308
2. Considerations for supplementary contracts with life contingencies .....	38,903,367	38,133,986	84,411,295
3. Net investment income .....	5,861,411,913	6,227,974,946	12,291,093,197
4. Amortization of Interest Maintenance Reserve (IMR) .....	128,053,984	124,473,287	259,282,495
5. Separate Accounts net gain from operations excluding unrealized gains or losses .....	9,671,386	6,465,564	13,694,296
6. Commissions and expense allowances on reinsurance ceded .....			
7. Reserve adjustments on reinsurance ceded .....			
8. Miscellaneous Income:			
8.1 Income from fees associated with investment management, administration and contract guarantees from Separate Accounts .....	119,981,705	113,759,613	226,020,288
8.2 Charges and fees for deposit-type contracts .....			
8.3 Aggregate write-ins for miscellaneous income .....	1,304,629,336	1,326,973,699	3,000,803,760
9. Totals (Lines 1 to 8.3) .....	15,315,144,867	15,343,795,671	30,909,302,639
10. Death benefits .....	31,382,123	32,124,318	67,303,992
11. Matured endowments (excluding guaranteed annual pure endowments) .....	1,032	20,866	56,563
12. Annuity benefits .....	3,711,441,893	3,590,170,587	7,470,643,372
13. Disability benefits and benefits under accident and health contracts .....	4,761,737	4,396,233	8,981,275
14. Coupons, guaranteed annual pure endowments and similar benefits .....			
15. Surrender benefits and withdrawals for life contracts .....	4,574,296,887	4,986,937,031	9,868,830,600
16. Group conversions .....			
17. Interest and adjustments on contract or deposit-type contract funds .....	14,934,324	14,595,130	29,929,373
18. Payments on supplementary contracts with life contingencies .....	36,849,030	44,369,722	90,700,857
19. Increase in aggregate reserves for life and accident and health contracts .....	2,684,632,734	2,626,732,794	5,279,306,079
20. Totals (Lines 10 to 19) .....	11,058,299,760	11,299,346,681	22,815,752,111
21. Commissions on premiums, annuity considerations, and deposit-type contract funds (direct business only) .....			
22. Commissions and expense allowances on reinsurance assumed .....			
23. General insurance expenses and fraternal expenses .....	806,572,570	792,804,316	1,643,194,432
24. Insurance taxes, licenses and fees, excluding federal income taxes .....	41,417,243	38,984,164	69,517,909
25. Increase in loading on deferred and uncollected premiums .....	(1,119,361)	(1,140,928)	(1,224,073)
26. Net transfers to or (from) Separate Accounts net of reinsurance .....	652,251,712	72,851,548	441,636,150
27. Aggregate write-ins for deductions .....	199,890,173	169,789,441	327,496,760
28. Totals (Lines 20 to 27) .....	12,757,312,097	12,372,635,222	25,296,373,289
29. Net gain from operations before dividends to policyholders and federal income taxes (Line 9 minus Line 28) .....	2,557,832,770	2,971,160,449	5,612,929,350
30. Dividends to policyholders and refunds to members .....	1,589,829,437	1,741,068,242	3,526,325,026
31. Net gain from operations after dividends to policyholders, refunds to members and before federal income taxes (Line 29 minus Line 30) .....	968,003,333	1,230,092,207	2,086,604,324
32. Federal and foreign income taxes incurred (excluding tax on capital gains) .....	(383,598)	136,024	(23,054,547)
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) .....	968,386,931	1,229,956,183	2,109,658,871
34. Net realized capital gains (losses) (excluding gains (losses) transferred to the IMR) less capital gains tax of \$ ..... (excluding taxes of \$ ..... transferred to the IMR) .....	(143,635,767)	(261,251,697)	(656,605,332)
35. Net income (Line 33 plus Line 34) .....	824,751,164	968,704,486	1,453,053,539
CAPITAL AND SURPLUS ACCOUNT			
36. Capital and surplus, December 31, prior year .....	38,126,303,728	36,336,069,438	36,336,069,438
37. Net income (Line 35) .....	824,751,164	968,704,486	1,453,053,539
38. Change in net unrealized capital gains (losses) less capital gains tax of \$ .....	463,511,779	(577,396,297)	(356,897,387)
39. Change in net unrealized foreign exchange capital gain (loss) .....	(27,592,046)	13,673,808	(2,028,353)
40. Change in net deferred income tax .....	(131,447,000)	(50,488,000)	(147,263,000)
41. Change in nonadmitted assets .....	256,705,238	48,980,588	707,498,982
42. Change in liability for reinsurance in unauthorized and certified companies .....			
43. Change in reserve on account of change in valuation basis, (increase) or decrease .....			
44. Change in asset valuation reserve .....	(666,810,346)	412,869,491	128,699,273
45. Change in treasury stock .....			
46. Surplus (contributed to) withdrawn from Separate Accounts during period .....			
47. Other changes in surplus in Separate Accounts Statement .....			
48. Change in surplus notes .....	162,416	162,416	325,509
49. Cumulative effect of changes in accounting principles .....			
50. Capital changes:			
50.1 Paid in .....			
50.2 Transferred from surplus (Stock Dividend) .....			
50.3 Transferred to surplus .....			
51. Surplus adjustment:			
51.1 Paid in .....			
51.2 Transferred to capital (Stock Dividend) .....			
51.3 Transferred from capital .....			
51.4 Change in surplus as a result of reinsurance .....			
52. Dividends to stockholders .....			
53. Aggregate write-ins for gains and losses in surplus .....	(1,543,086)	(853,404)	6,845,727
54. Net change in capital and surplus for the year (Lines 37 through 53) .....	717,738,119	815,653,088	1,790,234,290
55. Capital and surplus, as of statement date (Lines 36 + 54) .....	38,844,041,847	37,151,722,526	38,126,303,728
DETAILS OF WRITE-INS			
08.301. Additional amounts credited or applied to annuities .....	725,951,113	757,672,285	1,761,001,602
08.302. Consideration on annuity product rollovers .....	428,934,374	451,480,092	1,021,201,205
08.303. Miscellaneous income .....	109,249,369	77,216,236	139,332,657
08.398. Summary of remaining write-ins for Line 8.3 from overflow page .....	40,494,480	40,605,086	79,268,296
08.399. Totals (Lines 08.301 through 08.303 plus 08.398) (Line 8.3 above) .....	1,304,629,336	1,326,973,699	3,000,803,760
2701. Miscellaneous deductions .....	199,870,301	169,782,209	327,489,529
2702. Miscellaneous fines and penalties .....	19,872	7,232	7,231
2703. ....			
2798. Summary of remaining write-ins for Line 27 from overflow page .....			
2799. Totals (Lines 2701 through 2703 plus 2798)(Line 27 above) .....	199,890,173	169,789,441	327,496,760
5301. Post retirement benefit obligation liability .....	(1,543,086)	(853,404)	6,845,727
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) .....	(1,543,086)	(853,404)	6,845,727

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 .....	8,365,434,834	8,041,707,430	16,224,698,048
2. Net investment income .....	5,681,778,814	5,928,925,090	11,756,313,367
3. Miscellaneous income .....	230,457,155	192,279,809	365,076,185
4. Total (Lines 1 to 3) .....	14,277,670,803	14,162,912,329	28,346,087,600
5. Benefit and loss related payments .....	8,362,634,583	8,670,307,862	17,632,570,741
6. Net transfers to Separate Accounts, Segregated Accounts and Protected Cell Accounts .....	647,094,698	57,312,049	441,865,973
7. Commissions, expenses paid and aggregate write-ins for deductions .....	1,277,766,287	1,210,634,488	1,865,333,453
8. Dividends paid to policyholders .....	877,153,873	883,796,414	1,764,451,489
9. Federal and foreign income taxes paid (recovered) net of \$ ..... tax on capital gains (losses) .....	(6,997,193)	(6,337,434)	(62,731,318)
10. Total (Lines 5 through 9) .....	11,157,652,248	10,815,713,379	21,641,490,338
11. Net cash from operations (Line 4 minus Line 10) .....	3,120,018,555	3,347,198,950	6,704,597,262
Cash from Investments			
12. Proceeds from investments sold, matured or repaid:			
12.1 Bonds .....	8,441,893,581	9,169,072,967	17,950,449,169
12.2 Stocks .....	1,205,392,217	904,126,994	1,891,399,862
12.3 Mortgage loans .....	609,974,791	1,265,625,515	2,851,949,647
12.4 Real estate .....			27,886,044
12.5 Other invested assets .....	902,096,840	1,347,918,060	2,368,262,256
12.6 Net gains or (losses) on cash, cash equivalents and short-term investments .....	7,835,141	12,768,298	17,659,288
12.7 Miscellaneous proceeds .....	379,876,922	544,564,357	1,163,891,315
12.8 Total investment proceeds (Lines 12.1 to 12.7) .....	11,547,069,492	13,244,076,192	26,271,497,581
13. Cost of investments acquired (long-term only):			
13.1 Bonds .....	9,818,965,105	9,712,085,000	19,837,907,173
13.2 Stocks .....	1,252,662,195	884,717,730	1,716,050,877
13.3 Mortgage loans .....	2,754,562,363	3,899,344,503	6,351,377,079
13.4 Real estate .....	86,381,539	76,278,058	130,986,201
13.5 Other invested assets .....	1,158,448,215	2,008,159,491	4,483,357,250
13.6 Miscellaneous applications .....	175,135,223	47,273,632	456,428,525
13.7 Total investments acquired (Lines 13.1 to 13.6) .....	15,246,154,640	16,627,858,414	32,976,107,105
14. Net increase (or decrease) in contract loans and premium notes .....	(41,497,027)	43,845,221	57,391,639
15. Net cash from investments (Line 12.8 minus Line 13.7 and Line 14) .....	(3,657,588,121)	(3,427,627,443)	(6,762,001,163)
Cash from Financing and Miscellaneous Sources			
16. Cash provided (applied):			
16.1 Surplus notes, capital notes .....	162,416	162,416	325,509
16.2 Capital and paid in surplus, less treasury stock .....			
16.3 Borrowed funds .....	175,000,000	325,000,000	
16.4 Net deposits on deposit-type contracts and other insurance liabilities .....	9,300,583	21,748,887	15,350,456
16.5 Dividends to stockholders .....			
16.6 Other cash provided (applied) .....	(182,432,149)	(791,400,917)	(937,738)
17. Net cash from financing and miscellaneous sources (Line 16.1 through Line 16.4 minus Line 16.5 plus Line 16.6) .....	2,030,850	(444,489,614)	14,738,227
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) ..	(535,538,716)	(524,918,107)	(42,665,674)
19. Cash, cash equivalents and short-term investments:			
19.1 Beginning of year .....	597,573,069	640,238,743	640,238,743
19.2 End of period (Line 18 plus Line 19.1) .....	62,034,353	115,320,636	597,573,069

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

20.0001. Bonds, stocks, mortgages, real estate, contract loans, OIA acquired and disposed through corporate actions .....	1,159,334,279	2,279,750,507	3,403,464,324
20.0002. Capitalized interest on mortgages .....	199,680	2,139,067	2,778,231
20.0003. Capitalized interest on bonds .....	197,860,111	200,680,869	393,987,409
20.0004. Additional amounts credited or applied to annuities .....	725,951,113	757,672,285	1,761,001,602
20.0005. Interest credited on deposit type contracts .....	14,684,512	13,831,795	28,033,147

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 .....	110,623,095	118,562,576	237,138,460
3. Ordinary individual annuities .....	2,962,147,747	3,120,404,459	6,427,178,306
4. Credit life (group and individual) .....			
5. Group life insurance .....			
6. Group annuities .....	4,779,794,482	4,267,127,388	8,369,864,707
7. A & H - group .....	147,472	137,532	291,169
8. A & H - credit (group and individual) .....			
9. A & H - other .....	6,242,527	6,381,844	12,711,800
10. Aggregate of all other lines of business .....			
11. Subtotal (Lines 1 through 10) .....	7,858,955,323	7,512,613,799	15,047,184,442
12. Fraternal (Fraternal Benefit Societies Only) .....			
13. Subtotal (Lines 11 through 12) .....	7,858,955,323	7,512,613,799	15,047,184,442
14. Deposit-type contracts .....	151,060,993	148,207,499	290,040,525
15. Total (Lines 13 and 14)	8,010,016,316	7,660,821,298	15,337,224,967
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 Teachers Insurance and Annuity Association of America (“TIAA” or the “Company”) are 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 contingency reserves between NAIC SAP and practices prescribed or permitted by the State of New York is shown below:

	SSAP#	F/S Page	F/S Line	06/30/2019	12/31/2018
Net Income, New York SAP .....				\$ 824,751,164	\$ 1,453,053,539
New York SAP Prescribed Practices that are an increase/(decrease) from NAIC SAP:					
Additional Reserves for Term Conversions .....	51R	4	19	29,314	294,552
Net Income, NAIC SAP .....				<u>\$ 824,721,850</u>	<u>\$ 1,452,758,987</u>
Capital and Contingency Reserves, New York SAP.....				\$ 38,844,041,847	\$ 38,126,303,728
New York SAP Prescribed Practices that are an increase/(decrease) from NAIC SAP:					
Deferred Premium Asset Limitation .....	51R, 61R	2	15.2	(39,474)	(64,764)
Additional Reserves for Term Conversions .....	51R	3	1	(21,273,334)	(21,302,648)
Capital and Contingency Reserves, NAIC SAP .....				<u>\$ 38,865,354,655</u>	<u>\$ 38,147,671,140</u>

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

The Company's risk based capital as of June 30, 2019 and December 31, 2018 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.

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

NOTES TO FINANCIAL STATEMENTS

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.

2. Accounting Changes and Corrections of Errors

No material change

3. Business Combinations and Goodwill

Not applicable.

4. Discontinued Operations

Not applicable.

5. Investments

A. Mortgage Loans

No material change

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) The following table represents OTTI on securities with the intent to sell for each quarter of 2019:

	1	2		3
		OTTI Recognized in Loss		
	Amortized Cost Basis Before OTTI	2a Interest	2b Non-interest	Fair Value 1-(2a+2b)
OTTI recognized 1st Quarter				
a. Intent to sell .....	\$ 3,322,997	\$ 655,739	\$ (185,955)	\$ 2,853,213
Total 1st Quarter .....	\$ 3,322,997	\$ 655,739	\$ (185,955)	\$ 2,853,213
OTTI recognized 2nd Quarter				
a. Intent to sell .....	\$ 1,336,792	\$ 255,061	\$ 3,112	\$ 1,078,619
Total 2nd Quarter .....	\$ 1,336,792	\$ 255,061	\$ 3,112	\$ 1,078,619
OTTI recognized 3rd Quarter				
a. Intent to sell .....	\$ —	\$ —	\$ —	\$ —
Total 3rd Quarter .....	\$ —	\$ —	\$ —	\$ —
OTTI recognized 4th Quarter				
a. Intent to sell .....	\$ —	\$ —	\$ —	\$ —
Total 4th Quarter .....	\$ —	\$ —	\$ —	\$ —
Annual Aggregate Total .....		\$ 910,800	\$ (182,843)	

NOTES TO FINANCIAL STATEMENTS

The Company did not recognize any OTTI on securities it lacked the ability to retain for a period of time sufficient to recover the amortized cost basis.

(3) The following table represents loan-backed and structured securities with an other-than-temporary impairment recognized in the current reporting period by the Company where the present value of cash flows expected to be collected is less than the amortized cost basis as of June 30, 2019:

CUSIP	Book/Adj. Carrying Value Amortized Cost Before Current Period OTTI	Present Value of Projected Cash Flows	Recognized Other-Than- Temporary Impairment	Amortized Cost After Other-Than- Temporary Impairment	Fair Value as of Impairment Date	Date of Financial Statement Where Reported
21075WBA2	\$ 32,609	\$ —	\$ (32,609)	\$ —	\$ —	03/31/2019
Total			<u>\$ (32,609)</u>			

(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	\$ 15,513,776
	2. 12 Months or Longer	\$ 81,611,750
b. The aggregate related fair value of securities with unrealized losses:		
	1. Less than 12 Months	\$ 562,049,067
	2. 12 Months or Longer	\$ 1,997,607,459

(5) The Company's management periodically reviews the investment portfolios and identifies investments which may have deteriorated in credit quality and are candidates for impairment. The Company develops cash flows as part of its impairment review process. Where the cash flows support the recovery of the principal balance, the Company concludes that the impairment is not other-than-temporary.

E. Dollar Repurchase Agreements and/or Securities Lending Transactions

- (1) No material change
- (2) No material change
- (3)

a. No material change

b. The fair value of the collateral received for the securities lending program was \$523,117,200. This collateral is cash and was not sold or re-pledged as of June 30, 2019.

c. No material change
- (4) No material change
- (5) No material change
- (6) Not applicable
- (7) No material change

F. Repurchase Agreements Transactions Accounted for as Secured Borrowing

None

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

No material change

NOTES TO FINANCIAL STATEMENTS

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. Structured Notes

No material change

P. 5GI Securities

No material change

Q. Short Sales

Not applicable

R. Prepayment Penalty and Acceleration Fees

No material change

6. Joint Ventures, Partnerships and Limited Liability Companies

No material change

7. Investment Income

No material change

8. Derivative Instruments

A-G. No material change

H. Not applicable

9. Federal Income Tax

No material change

10. Information Concerning Parent, Subsidiaries and Affiliates

No material change

11. Debt

A. Not applicable

B. FHLBNY (Federal Home Loan Bank of New York) Agreements

(1) The Company is a member of the Federal Home Loan Bank of New York (FHLBNY). Through its membership, the Company has the ability to conduct business activity (Advances) with the FHLBNY. It is part of the Company’s strategy to utilize these funds to provide additional liquidity to supplement existing sources and can also be a source of contingent liquidity to meet other requirements. The Company is required to pledge collateral to the FHLBNY in the form of eligible securities for all advances received. The Company considers the amount of collateral pledged to the FHLBNY as the amount encumbered by advances from the FHLBNY at a point in time. The Company has determined the estimated maximum borrowing capacity as \$15,520,979,124. The Company calculated this amount using 5% of total net admitted assets at the current reporting date.

NOTES TO FINANCIAL STATEMENTS

(2) FHLB Capital Stock

a. Aggregate Total

	1		2		3
	Total (2+3)		General Account		Separate Account
1. Current Year as of 6/30/2019					
a) Membership Stock - Class A	\$ —	\$ —	\$ —	\$ —	—
b) Membership Stock - Class B	\$ 83,717,600	\$ 83,717,600	\$ 83,717,600	\$ 83,717,600	—
c) Activity Stock	\$ 7,875,000	\$ 7,875,000	\$ 7,875,000	\$ 7,875,000	—
d) Excess Stock	\$ —	\$ —	\$ —	\$ —	—
e) Aggregate Total (a+b+c+d)	\$ 91,592,600	\$ 91,592,600	\$ 91,592,600	\$ 91,592,600	—
f) Actual or estimated Borrowing Capacity as Determined by the Insurer	\$ 15,520,979,124	\$ 15,520,979,124	\$ 15,520,979,124	\$ 15,520,979,124	—
2. Prior Year-end as of 12/31/2018					
a) Membership Stock - Class A	\$ —	\$ —	\$ —	\$ —	—
b) Membership Stock - Class B	\$ 82,262,400	\$ 82,262,400	\$ 82,262,400	\$ 82,262,400	—
c) Activity Stock	\$ —	\$ —	\$ —	\$ —	—
d) Excess Stock	\$ —	\$ —	\$ —	\$ —	—
e) Aggregate Total (a+b+c+d)	\$ 82,262,400	\$ 82,262,400	\$ 82,262,400	\$ 82,262,400	—
f) Actual or estimated Borrowing Capacity as Determined by the Insurer	\$ 15,164,313,429	\$ 15,164,313,429	\$ 15,164,313,429	\$ 15,164,313,429	—

b. Membership Stock (Class A and B) Eligible and Not Eligible for Redemption

	1	2	Eligible for Redemption			
			3	4	5	6
Membership Stock	Current Year Total (2+3+4+5+6)	Not Eligible for Redemption	Less than 6 Months	6 Months or Less Than 1 Year	1 to Less Than 3 Years	3 to 5 Years
Class A	\$ —	\$ —	\$ —	\$ —	\$ —	—
Class B	\$ 83,717,600	\$ 83,717,600	\$ —	\$ —	\$ —	—

(3) Collateral Pledged to FHLB

a. Amount Pledged as of the Reporting Date

	1		2		3
	Fair Value		Carrying Value		Aggregate Total Borrowing
1. Current Year Total General and Separate Accounts Total Collateral Pledged (Lines 2+3)	\$ 187,248,219	\$ 187,248,219	\$ 171,984,277	\$ 171,984,277	\$ 175,000,000
2. Current Year General Account Total Collateral Pledged	\$ 187,248,219	\$ 187,248,219	\$ 171,984,277	\$ 171,984,277	\$ 175,000,000
3. Current Year Separate Account Total Collateral Pledged	\$ —	\$ —	\$ —	\$ —	—
4. Prior Year-end Total General and Separate Accounts Total Collateral Pledged	\$ —	\$ —	\$ —	\$ —	—

b. Maximum Amount Pledged During Reporting Period

	1		2		3
	Fair Value		Carrying Value		Amount Borrowed at Time of Maximum Collateral
1. Current Year Total General and Separate Accounts Maximum Collateral Pledged (Lines 2+3)	\$ 1,374,771,045	\$ 1,374,771,045	\$ 1,332,617,745	\$ 1,332,617,745	\$ 1,285,000,000
2. Current Year General Account Maximum Collateral Pledged	\$ 1,374,771,045	\$ 1,374,771,045	\$ 1,332,617,745	\$ 1,332,617,745	\$ 1,285,000,000
3. Current Year Separate Account Maximum Collateral Pledged	\$ —	\$ —	\$ —	\$ —	—
4. Prior Year-end Total General and Separate Accounts Maximum Collateral Pledged	\$ 1,389,778,994	\$ 1,389,778,994	\$ 1,359,150,193	\$ 1,359,150,193	\$ 1,300,000,000



NOTES TO FINANCIAL STATEMENTS

(4) Borrowing from FHLB

a. Amount as of the Reporting Date

	1		2		3		4
	Total (2+3)		General Account		Separate Account		Funding Agreements Reserves Established
1. Current Year							
a) Debt	\$ 175,000,000	\$	175,000,000	\$	—	\$	—
b) Funding Agreements	—		—		—		—
c) Other	—		—		—		—
d) Aggregate Total (a+b+c)	\$ 175,000,000	\$	175,000,000	\$	—	\$	—
2. Prior Year-end							
a) Debt	\$ —	\$	—	\$	—	\$	—
b) Funding Agreements	—		—		—		—
c) Other	—		—		—		—
d) Aggregate Total (a+b+c)	\$ —	\$	—	\$	—	\$	—

b. Maximum Amount during Reporting Period (Current Year)

	1		2		3
	Total (2+3)		General Account		Separate Account
1. Current Year					
a) Debt	\$ 1,285,000,000	\$	1,285,000,000	\$	—
b) Funding Agreements	—		—		—
c) Other	—		—		—
d) Aggregate Total (a+b+c)	\$ 1,285,000,000	\$	1,285,000,000	\$	—

c. FHLB - Prepayment Obligations

	Does the company have prepayment obligations under the following arrangements (YES/NO)?
1. Debt	No
2. Funding Agreements	N/A
3. Other	N/A

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

A. Defined Benefit Plan

(1) - (3) No material change

(4) Components of net periodic benefit cost for year to date:

	Pension Benefits		Postretirement Benefits	
	June 30, 2019	December 31, 2018	June 30, 2019	December 31, 2018
a. Service cost .....	\$ —	\$ —	\$ —	\$ —
b. Interest cost .....	657,979	1,191,702	1,244,118	2,909,261
c. Expected return on plan assets .....	—	—	—	—
d. Amortization of unrecognized transition obligation or transition asset .....	7,481	14,967	—	—
e. Amount of recognized gains and losses .	123,229	300,556	592,719	2,564,801
f. Amount of prior service cost recognized .	—	—	(2,135,804)	(4,271,608)
g. Amount of gain or loss recognized due to a settlement or curtailment .....	—	—	—	1,000,000
h. Total net periodic benefit cost .....	\$ 788,689	\$ 1,507,225	\$ (298,967)	\$ 2,202,454

(5) - (13) No material change

(14) - (21) Not applicable

B-D. Not applicable as the Company does not have any plan assets.

**NOTES TO FINANCIAL STATEMENTS**

E. Defined Contribution Plans

No material change

F. Multiemployer Plans

Not applicable

G. Consolidated/Holding Company Plans

Not applicable

H. Postemployment Benefits and Compensated Absences

Not applicable

I. Impact of Medicare Modernization Act on Post-retirement Benefits

No material change

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

No material change

**14. Liabilities, Contingencies and Assessments**

No material change

**15. Leases**

No material change

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

No material change

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

A. Transfers of Receivables Reported as Sales

Not applicable.

B. Transfer and Servicing of Financial Assets

(1) No material change

(2) The fair value of securities on loan was \$511,572,316. The fair value of cash collateral received as of June 30, 2019, was \$523,117,200. This collateral is reported in “Securities lending reinvested collateral assets” with an offsetting collateral liability of \$523,117,200 included in “Payable for securities lending”.

(3)-(7) Not applicable.

C. Wash Sales

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 stocks 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.

## NOTES TO FINANCIAL STATEMENTS

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

The Company's financial assets and liabilities measured and reported at fair value have been classified, for disclosure purposes, based on a hierarchy defined by SSAP No. 100, Fair Value Measurements. 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 (Level 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.

**NAV Practical Expedient** - TIAA has elected the NAV Practical expedient for certain investments held by its separate account. These investments are excluded from the valuation hierarchy, as these investments are fair valued using their net asset value as a practical expedient since market quotations or values from independent pricing services are not readily available. The separate account assets that have elected the NAV practical expedient represent investments in limited partnerships and limited liability companies that invest in real estate properties. The fair value of these assets was \$199 million and total unfunded commitments was \$61 million at June 30, 2019. For these investments, redemptions are prohibited prior to liquidation.

NOTES TO FINANCIAL STATEMENTS

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

The following tables provide information about the Company’s financial assets and liabilities measured and reported at fair value at June 30, 2019:

	Level 1	Level 2	Level 3	Net Asset Value (NAV)	Total
Assets at fair value:					
Bonds					
U.S. Government .....	\$ —	\$ 1,316,091,372	\$ —	\$ —	\$ 1,316,091,372
Industrial and Miscellaneous .....	1,252,828,992	154,332,580	100,998,713	—	1,508,160,285
Total Bonds .....	<u>\$ 1,252,828,992</u>	<u>\$ 1,470,423,952</u>	<u>\$ 100,998,713</u>	<u>\$ —</u>	<u>\$ 2,824,251,657</u>
Common Stocks					
Industrial and Miscellaneous .....	\$ 606,508,803	\$ —	\$ 228,924,382	\$ —	\$ 835,433,185
Total Common Stocks .....	<u>\$ 606,508,803</u>	<u>\$ —</u>	<u>\$ 228,924,382</u>	<u>\$ —</u>	<u>\$ 835,433,185</u>
Total Preferred Stocks	\$ —	\$ —	\$ 12,149,375	\$ —	\$ 12,149,375
Derivatives:					
Interest rate contracts .....	\$ —	\$ 11,532,919	\$ —	\$ —	\$ 11,532,919
Foreign exchange contracts .....	—	536,911,607	—	—	536,911,607
Credit default swaps .....	—	62,536	—	—	62,536
Total Derivatives .....	<u>\$ —</u>	<u>\$ 548,507,062</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ 548,507,062</u>
Separate Account Assets, Net .....	\$ 13,860,013,963	\$ 4,211,783,708	\$ 21,734,070,714	\$ 198,859,405	\$ 40,004,727,790
Total assets at fair value/NAV .....	<u><u>\$ 15,719,351,758</u></u>	<u><u>\$ 6,230,714,722</u></u>	<u><u>\$ 22,076,143,184</u></u>	<u><u>\$ 198,859,405</u></u>	<u><u>\$ 44,225,069,069</u></u>
Liabilities at fair value:					
Derivatives					
Foreign exchange contracts .....	\$ —	\$ 140,581,349	\$ —	\$ —	\$ 140,581,349
Credit default swaps .....	—	2,851,454	—	—	2,851,454
Total liabilities at fair value.....	<u><u>\$ —</u></u>	<u><u>\$ 143,432,803</u></u>	<u><u>\$ —</u></u>	<u><u>\$ —</u></u>	<u><u>\$ 143,432,803</u></u>

Transfers between Level 1 and Level 2

Periodically, the Company has transfers between Level 1 and Level 2 due to the availability of quoted prices for identical assets in active markets at the measurement date. The Company’s policy is to recognize transfers between levels as of the actual date of the event or change in circumstances that caused the transfer.

As of June 30, 2019, the Company had no transfers between Level 1 and Level 2 of the fair value hierarchy.

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

The following is a reconciliation of the beginning and ending balances for assets and liabilities measured and reported at fair value using Level 3 inputs at June 30, 2019 (in millions):

	Balance at 1/1/2019	Transfers into Level 3	Transfers out of Level 3	Total gains & (losses) included in Net Income	Total gains & (losses) included in Surplus	Purchases	Issuances	Sales	Settlements	Ending Balance at 6/30/2019
Bonds .....	\$ 100.1	\$ 24.2	a \$ (44.6)	b —	\$ 7.6	\$ 15.9	\$ —	\$ —	\$ (2.2)	\$ 101.0
Common Stock .....	195.2	—	—	(10.0)	4.5	1,059.2	—	(1,020.0)	—	228.9
Preferred Stock .....	4.4	12.1	c (4.8)	d —	0.4	—	—	—	—	12.1
Separate Account .....	20,667.3	—	(198.9)	e (1.4)	162.9	1,192.7	—	(3.1)	(85.4)	21,734.1
Total .....	<u>\$20,967.0</u>	<u>\$ 36.3</u>	<u>\$ (248.3)</u>	<u>\$ (11.4)</u>	<u>\$ 175.4</u>	<u>\$ 2,267.8</u>	<u>\$ —</u>	<u>\$ (1,023.1)</u>	<u>\$ (87.6)</u>	<u>\$22,076.1</u>

- (a) The Company transferred bonds into Level 3 that were measured and reported at fair value.
- (b) The Company transferred bonds out of Level 3 that were not measured and reported at fair value.
- (c) The Company transferred preferred stocks into Level 3 that were measured and reported at fair value.
- (d) The Company transferred preferred stocks out of Level 3 that were not measured and reported at fair value.
- (e) As a result of the adoption of SSAP 10R, the Company elected the NAV practical expedient for certain separate account assets that have been transferred out of Level 3.

**NOTES TO FINANCIAL STATEMENTS**

- (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) a. Derivative assets and liabilities fair value disclosures on a gross basis are included in 20.A.1 above.
- b. Since there are no derivative assets or liabilities measured and reported at fair value classified in Level 3, the reconciliation disclosures required under 20.A.2 and 20.A.3 are not applicable. For disclosures required under 20.A.4 see 20.B.
- B. The estimated fair values of the financial assets and liabilities presented within this note are determined by the Company using market information available as of June 30, 2019. The following is a summary of the valuation techniques and inputs used in the fair value measurements for all financial instruments, including those assets and liabilities carried at fair value in the Company's statement of financial position.

**Level 1 financial instruments**

Unadjusted quoted prices for these securities are provided to the Company by independent pricing services. Common stock, preferred stock, and separate account assets in Level 1 primarily include mutual fund investments valued by the respective mutual fund companies, exchange listed equities, and public real estate investment trusts. Bonds included in level 1 represent SVO-identified exchange traded funds that qualify for bond treatment, which are valued using quoted market prices. Cash included in Level 1 represents cash on hand.

**Level 2 financial instruments**

Bonds included 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.

Derivative assets and liabilities classified in Level 2 represent over-the-counter instruments that include, but are not limited to, fair value hedges using foreign currency swaps, foreign currency forwards, commodity forwards, interest rate swaps and credit default swaps. Fair values for these instruments are determined internally using market observable inputs that include, but are not limited to, forward currency rates, interest rates, credit default rates and published observable market indices.

Other invested assets in level 2 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 short term government agency notes and commercial paper.

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

**Level 3 financial instruments**

Valuation techniques for bonds and short-term investments 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.

Estimated fair value for privately traded equity securities are principally determined using valuation and discounted cash flow models that require a substantial level of judgment.

Mortgage loans are valued using discounted cash flow models that utilize inputs which include loan and market interest rates, credit spreads, the nature and quality of underlying collateral and the remaining term of the loans. 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.

NOTES TO FINANCIAL STATEMENTS

Separate account assets classified as Level 3 primarily include directly owned real estate properties, real estate joint ventures and real estate limited partnerships. Directly owned real estate properties are valued on a quarterly basis based on independent third party appraisals. Real estate joint venture interests are valued based on the fair value of the underlying real estate, any related mortgage loans payable and other factors such as ownership percentage, ownership rights, buy/sell agreements, distribution provisions and capital call obligations. Real estate limited partnership interests are valued based on the most recent net asset value of the partnership.

Separate account liabilities are accounted for at fair value, except the TIAA Stable Value Separate Account, which supports book value separate account agreements, in which case the assets are accounted for at amortized cost. Separate account liabilities 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.

Derivatives assets or liabilities classified as Level 3 represent structured financial instruments that rely on inputs that are significant to the estimated fair value that are not observable in the market or cannot be corroborated by observable market data. Significant inputs that are unobservable generally include references to inputs outside the observable portion of credit curves or other relevant market measures. These unobservable inputs require significant management judgment or assumptions. Level 3 methodologies are validated through periodic comparison of the Company’s fair values to external broker-dealer values.

C. Aggregate fair value for all financial instruments

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

Assets:	Aggregate Fair Value	Admitted Assets	Level 1	Level 2	Level 3	Net Asset Value (NAV)	Not Practicable (Carrying Value)
Bonds .....	\$ 204,121,548,571	\$ 189,059,981,508	\$ 1,252,828,992	\$ 197,477,996,002	\$ 5,390,723,577	\$ —	\$ —
Common Stock .....	835,433,185	835,433,185	606,508,803	—	228,924,382	—	—
Preferred Stock .....	434,707,353	351,062,636	49,471,226	19,575,000	365,661,127	—	—
Mortgage Loans .....	32,828,276,958	32,086,869,516	—	—	32,828,276,958	—	—
Derivatives .....	1,131,333,829	981,421,667	—	580,280,244	551,053,585	—	—
Other invested assets .....	96,111,507	76,032,139	—	96,111,507	—	—	—
Contract Loans .....	1,851,422,996	1,851,422,996	—	—	1,851,422,996	—	—
Separate Accounts	41,447,912,357	41,406,450,165	13,872,771,896	5,633,752,055	21,742,529,001	198,859,405	—
Cash, Cash Equivalents and Short Term Investments .....	62,032,534	62,034,353	21,740,235	37,851,848	2,440,451	—	—
Total .....	\$ 282,808,779,290	\$ 266,710,708,165	\$ 15,803,321,152	\$ 203,845,566,656	\$ 62,961,032,077	\$ 198,859,405	\$ —

Liabilities	Aggregate Fair Value	Statement Value	Level 1	Level 2	Level 3	Net Asset Value (NAV)	Not Practicable (Carrying Value)
Deposit-type contracts .....	\$ 1,128,667,989	\$ 1,128,667,989	\$ —	\$ —	\$ 1,128,667,989	\$ —	\$ —
Separate Accounts .....	41,352,764,777	41,352,764,777	—	—	41,352,764,777	—	—
Derivatives .....	165,006,659	164,140,802	—	164,893,336	113,323	—	—
Total .....	\$ 42,646,439,425	\$ 42,645,573,568	\$ —	\$ 164,893,336	\$ 42,481,546,089	\$ —	\$ —

D. Not applicable.

E. See 20.A.

21. Other Items

No material change

22. Events Subsequent

Subsequent events have been considered through August 8, 2019 for the statutory statement issued on August 8, 2019. No subsequent events were noted.

23. Reinsurance

No material change

NOTES TO FINANCIAL STATEMENTS

24. Retrospectively Rated Contracts and Contracts Subject to Redetermination

Not applicable

25. Changes in Incurred Losses and Loss Adjustment Expenses

A. Reserves as of June 30, 2019 were \$1,029. As of June 30, 2019, no material amounts have been paid for incurred claims and claim adjustment expenses attributed to insured events of prior years. There are no reserves for prior years. See Schedule H - Part 3 and Five Year Historical Data. Original estimates are increased or decreased as additional information becomes known regarding individual claims. However, no significant trends or unanticipated events were noted in 2019. None of the Company’s accident and health contracts are subject to retrospective rating or experience refunds.

B. During 2019 there were no changes in methodologies and assumptions used in calculating the liability for unpaid losses and loss adjustment expenses.

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

No material change

31. Reserves for Life Contracts and Annuity Contracts

No material change

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

No material change

33. Premiums and Annuity Considerations Deferred and Uncollected

No material change

34. Separate Accounts

No material change

35. Loss/Claims Adjustment Expense

No material change

STATEMENT AS OF JUNE 30, 2019 OF THE  TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

GENERAL INTERROGATORIES

PART 1 - COMMON INTERROGATORIES

GENERAL

1.1

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

Yes [   ] No [ X ]

1.2

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

Yes [   ] No [   ]

2.1

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

Yes [   ] No [ X ]

2.2

If yes, date of change: .....

3.1

Is the reporting entity a member of an Insurance Holding Company System consisting of two or more affiliated persons, one or more of which is an insurer? .....

If yes, complete Schedule Y, Parts 1 and 1A.

Yes [ X ] No [   ]

3.2

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

Yes [   ] No [ X ]

3.3

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

3.4

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

Yes [   ] No [ X ]

3.5

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

4.1

Has the reporting entity been a party to a merger or consolidation during the period covered by this statement? .....

If yes, complete and file the merger history data file with the NAIC for the annual filing corresponding to this period.

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. ....

12/31/2013

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. ....

12/31/2013

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). ....

06/10/2015

6.4

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

6.5

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

Yes [   ] No [   ] N/A [ X ]

6.6

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

Yes [   ] No [   ] N/A [ X ]

7.1

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

Yes [   ] No [ X ]

7.2

If yes, give full information:

8.1

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

Yes [   ] No [ X ]

8.2

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

8.3

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

Yes [ X ] No [   ]

8.4

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

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



STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

GENERAL INTERROGATORIES

- 9.1

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

Yes [ X ] No [ ]
- 9.11

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

Has the code of ethics for senior managers been amended? .....

Yes [ ] No [ X ]
- 9.21

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

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

Yes [ ] No [ X ]
- 9.31

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

FINANCIAL

- 10.1

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

Yes [ X ] No [ ]
- 10.2

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

\$ .....

INVESTMENT

- 11.1

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

Yes [ X ] No [ ]
- 11.2

If yes, give full and complete information relating thereto:  
Securities and/or cash collateral for derivatives: Morgan Stanley & Co LLC \$4,676,641, Bank of Montreal \$9,720,000, Royal Bank of Canada \$5,020,000, Credit Agricole \$4,250,000, Credit Suisse International \$960,000 and UBS AG \$40,000;  
Federal Home Loan Bank of New York (FHLBNY): Collateral \$171,984,277, Capital Stock \$91,592,600;  
State Deposits: \$17,137,787;  
Forward Loan Purchase Agreements: \$10,000,000;  
Other Restricted Assets: \$124,996,000.
12.

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

\$ .....7,415,464,796
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 [ X ] No [ ]
- 14.2

If yes, please complete the following:
- |   | 1   | 2  |
|---|---|--|
|   | Prior Year-End<br>Book/Adjusted<br>Carrying Value | Current Quarter<br>Book/Adjusted<br>Carrying Value |
| 14.21 Bonds .....   | \$ .....756,659,333                               | \$ .....752,151,970                                |
| 14.22 Preferred Stock .....   | \$ .....  | \$ .....   |
| 14.23 Common Stock .....  | \$ .....5,025,601,191                             | \$ .....5,049,812,834                              |
| 14.24 Short-Term Investments .....  | \$ .....  | \$ .....   |
| 14.25 Mortgage Loans on Real Estate .....   | \$ .....  | \$ .....   |
| 14.26 All Other .....   | \$ .....23,422,084,342                            | \$ .....23,588,235,967                             |
| 14.27 Total Investment in Parent, Subsidiaries and Affiliates (Subtotal Lines 14.21 to 14.26) ..... | \$ .....29,204,344,866                            | \$ .....29,390,200,771                             |
| 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 [ X ] No [ ]
- 15.2

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

Yes [ X ] No [ ]
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. ....

\$ .....523,117,200
- 16.2

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

\$ .....523,117,200
- 16.3

Total payable for securities lending reported on the liability page. ....

\$ .....523,117,200

STATEMENT AS OF JUNE 30, 2019 OF THE  TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 .....
JP Morgan Chase Bank, N.A. ....	270 Park Avenue New York, NY 10017 .....

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

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

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

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

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

1 Name of Firm or Individual	2 Affiliation
Churchill Asset Management LLC .....	A.....
Teachers Advisors, LLC .....	A.....
Nuveen Alternatives Advisors, LLC .....	A.....
Nicholas Liolis, Chief Investment Officer .....	I.....

- 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 assets?.....   Yes [    ]   No [    ]
- 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 assets?.....   Yes [    ]   No [    ]

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

1 Central Registration Depository Number	2 Name of Firm or Individual	3 Legal Entity Identifier (LEI)	4 Registered With	5 Investment Management Agreement (IMA) Filed
175092 .....	Churchill Asset Management, LLC .....	549300TE7GGVUFY19X77 .....	Securities and Exchange Commission .....	DS.....
107157 .....	Teachers Advisors, LLC .....	Q3EVPQ17HQS1MVRLOU14 .....	Securities and Exchange Commission .....	DS.....
160255 .....	Nuveen Alternatives Advisors, LLC .....	549300MFBTJNNQKKJX98 .....	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 [    ]   No [ X ]
- 18.2   If no, list exceptions:  
At June 30, 2019, three bond instruments and three preferred stock instruments from six issuers did not meet the filing requirements of the Purposes and Procedures Manual of the NAIC Investment Analysis Office. Four instruments did not have audited financial statements available and two instruments did not have valid CUSIPs as of the reporting date. Exceptions totaled \$59,431,281 or 0.0296% of all long-term bonds, equities, and Replication Synthetic Asset Transactions (RSATs).
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 ]

STATEMENT AS OF JUNE 30, 2019 OF THE  TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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

\$

1,067,964,590

1.13

Commercial Mortgages

\$

31,018,393,936

1.14

Total Mortgages in Good Standing

\$

32,086,358,526

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

\$

510,991

1.33

Commercial Mortgages

\$

1.34

Total Mortgages with Interest Overdue more than Three Months

\$

510,991

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)

\$

32,086,869,516

1.6

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

1.61

Farm Mortgages

\$

1.62

Residential Mortgages

\$

901,371

1.63

Commercial Mortgages

\$

1.64

Total Mortgages Foreclosed and Transferred to Real Estate

\$

901,371

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

[ X ]

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

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

## SCHEDULE S - CEDED REINSURANCE

Showing All New Reinsurance Treaties - Current Year to Date

[illegible]

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

**SCHEDULE T - PREMIUMS AND ANNUITY CONSIDERATIONS**

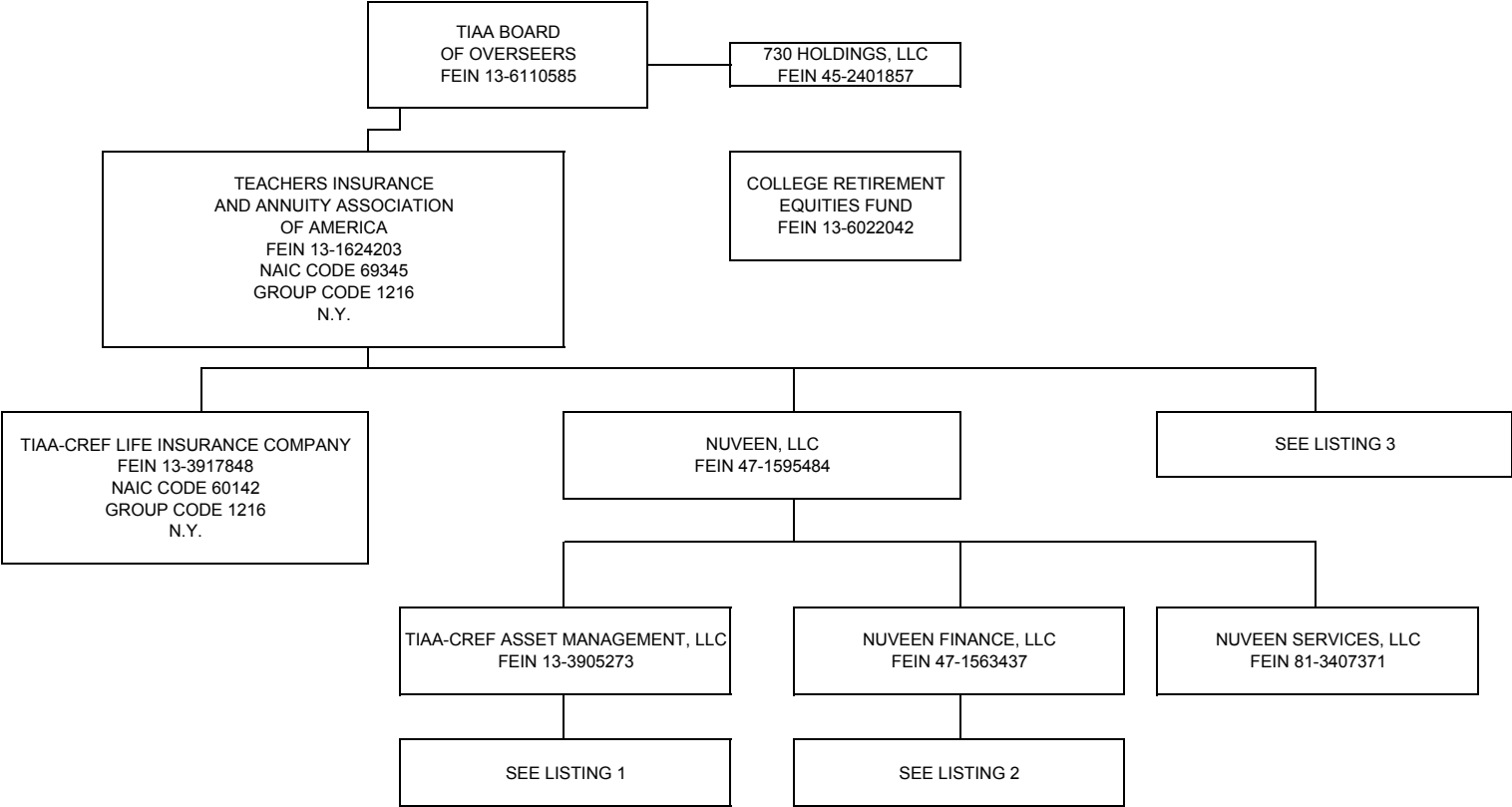
Current Year To Date - Allocated by States and Territories

States, Etc.			1	Direct Business Only					
				Life Contracts		4 Accident and Health Insurance Premiums, Including Policy, Membership and Other Fees	5 Other Considerations	6 Total Columns 2 Through 5	7 Deposit-Type Contracts
				2	3				
			Active Status (a)	Life Insurance Premiums	Annuity Considerations				
1.	Alabama	AL	L	1,278,945	58,753,056	89,898		60,121,899	1,019,947
2.	Alaska	AK	L	127,333	5,031,980	4,647		5,163,960	239,604
3.	Arizona	AZ	L	1,252,104	57,784,763	97,789		59,134,656	2,397,146
4.	Arkansas	AR	L	791,227	41,998,100	37,464		42,826,791	250,654
5.	California	CA	L	7,948,068	339,892,630	312,853		348,153,551	14,394,818
6.	Colorado	CO	L	1,697,214	118,497,690	26,521		120,221,425	3,296,543
7.	Connecticut	CT	L	2,727,547	921,335,682	113,496		924,176,725	3,532,918
8.	Delaware	DE	L	482,851	21,867,347	19,483		22,369,681	269,070
9.	District of Columbia	DC	L	560,956	95,215,019	75,688		95,851,663	1,807,189
10.	Florida	FL	L	3,880,416	199,932,875	424,390		204,237,681	6,257,479
11.	Georgia	GA	L	1,898,343	145,741,602	45,439		147,685,384	2,577,809
12.	Hawaii	HI	L	539,070	19,724,544	42,351		20,305,965	1,320,727
13.	Idaho	ID	L	312,844	16,813,870	23,326		17,150,040	1,474,640
14.	Illinois	IL	L	4,310,002	237,688,983	375,731		242,374,716	4,129,878
15.	Indiana	IN	L	1,892,809	97,236,266	114,483		99,243,558	3,285,056
16.	Iowa	IA	L	1,449,406	132,038,325	79,474		133,567,205	1,146,391
17.	Kansas	KS	L	674,360	52,865,920	59,241		53,599,521	411,294
18.	Kentucky	KY	L	1,229,523	50,069,360	71,172		51,370,055	1,133,104
19.	Louisiana	LA	L	872,953	23,533,521	31,552		24,438,026	580,575
20.	Maine	ME	L	761,098	28,294,196	67,335		29,122,629	2,135,340
21.	Maryland	MD	L	4,400,299	197,367,635	115,096		201,883,030	3,584,593
22.	Massachusetts	MA	L	6,528,086	310,288,832	383,954		317,200,872	7,959,042
23.	Michigan	MI	L	3,420,774	300,117,398	299,631		303,837,803	1,797,035
24.	Minnesota	MN	L	931,430	183,150,819	51,785		184,134,034	2,161,047
25.	Mississippi	MS	L	216,261	13,797,760	13,166		14,027,187	905,923
26.	Missouri	MO	L	1,400,007	80,409,567	145,141		81,954,715	2,076,824
27.	Montana	MT	L	283,160	5,999,130	4,599		6,286,889	751,412
28.	Nebraska	NE	L	661,960	35,779,381	22,764		36,464,105	1,129,023
29.	Nevada	NV	L	507,177	38,035,949	27,882		38,571,008	1,425,124
30.	New Hampshire	NH	L	1,049,316	36,503,733	53,738		37,606,787	913,506
31.	New Jersey	NJ	L	6,680,153	513,468,979	463,994		520,613,126	6,785,222
32.	New Mexico	NM	L	612,941	18,460,522	48,222		19,121,685	1,794,722
33.	New York	NY	L	15,830,434	1,499,327,618	798,094		1,515,956,146	14,958,388
34.	North Carolina	NC	L	3,305,027	142,162,940	85,416		145,553,383	4,470,225
35.	North Dakota	ND	L	248,662	17,082,617	13,409		17,344,688	10,121
36.	Ohio	OH	L	2,688,015	247,540,554	165,674		250,394,243	2,488,119
37.	Oklahoma	OK	L	769,147	25,796,005	55,160		26,620,312	2,623,250
38.	Oregon	OR	L	996,405	49,387,088	64,514		50,448,007	3,388,161
39.	Pennsylvania	PA	L	7,934,854	457,007,426	459,499		465,401,779	8,651,819
40.	Rhode Island	RI	L	858,238	41,907,368	9,755		42,775,361	222,045
41.	South Carolina	SC	L	1,095,613	35,587,350	11,876		36,694,839	554,127
42.	South Dakota	SD	L	164,296	5,635,263	5,700		5,805,259	564,766
43.	Tennessee	TN	L	2,010,894	63,343,401	111,054		65,465,349	1,307,226
44.	Texas	TX	L	3,747,510	193,260,787	123,464		197,131,761	4,402,449
45.	Utah	UT	L	717,965	64,696,400	55,668		65,470,033	868,898
46.	Vermont	VT	L	646,913	37,499,767	81,365		38,228,045	467,081
47.	Virginia	VA	L	3,666,671	171,881,470	297,396		175,845,537	7,540,527
48.	Washington	WA	L	1,974,714	133,664,783	190,977		135,830,474	7,515,208
49.	West Virginia	WV	L	638,815	41,246,662	94,828		41,980,305	3,293,851
50.	Wisconsin	WI	L	1,418,276	51,354,587	16,478		52,789,341	1,286,421
51.	Wyoming	WY	L	159,187	9,478,362	7,367		9,644,916	931,524
52.	American Samoa	AS	N						
53.	Guam	GU	N		291			291	
54.	Puerto Rico	PR	L	70,424	6,527,735			6,598,159	1,767,494
55.	U.S. Virgin Islands	VI	L	19,430	1,502,447			1,521,877	
56.	Northern Mariana Islands	MP	N						
57.	Canada	CAN	N	805	2,092,342			2,093,147	205,811
58.	Aggregate Other Aliens	OT	XXX	34,980	3,681,403			3,716,383	599,827
59.	Subtotal	XXX		110,375,908	7,699,360,100	6,389,999		7,816,126,007	151,060,993
90.	Reporting entity contributions for employee benefits plans	XXX			42,582,129			42,582,129	
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		4,701,742				4,701,742	
94.	Aggregate or other amounts not allocable by State	XXX							
95.	Totals (Direct Business)	XXX		115,077,650	7,741,942,229	6,389,999		7,863,409,878	151,060,993
96.	Plus Reinsurance Assumed	XXX							
97.	Totals (All Business)	XXX		115,077,650	7,741,942,229	6,389,999		7,863,409,878	151,060,993
98.	Less Reinsurance Ceded	XXX		73,559		6,388,588		6,462,147	
99.	Totals (All Business) less Reinsurance Ceded	XXX		115,004,091	7,741,942,229	1,411		7,856,947,731	151,060,993
DETAILS OF WRITE-INS									
58001.	ZZZ Other Alien	XXX		34,980	3,681,403			3,716,383	599,827
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		34,980	3,681,403			3,716,383	599,827
9401.		XXX							
9402.		XXX							
9403.		XXX							
9498.	Summary of remaining write-ins for Line 94 from overflow page	XXX							
9499.	Totals (Lines 9401 through 9403 plus 9498)(Line 94 above)	XXX							

(a) Active Status Counts:  
L - Licensed or Chartered - Licensed Insurance carrier or domiciled RRG.....53 R - Registered - Non-domiciled RRGs.....  
E - Eligible - Reporting entities eligible or approved to write surplus lines in the state..... Q - Qualified - Qualified or accredited reinsurer. ....  
N - None of the above - Not allowed to write business in the state.....4

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

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA  
SCHEDULE Y - INFORMATION CONCERNING ACTIVITIES OF INSURER MEMBERS OF A HOLDING COMPANY GROUP  
PART 1 - ORGANIZATIONAL CHART



STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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

PART 1 - ORGANIZATIONAL CHART

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

COMPANY	FEIN	RELATIONSHIP
L&C Special Member Holdco, LLC	81-1272900	SUBSIDIARY
GTR Special Member Holdco LLC	46-3889185	SUBSIDIARY
Teachers Personal Investors Services, Inc.	13-3752992	SUBSIDIARY
TIAA International GP LLC	81-4374969	SUBSIDIARY
TIAA-CREF Investment Management, LLC	13-3586142	SUBSIDIARY
Nuveen Alternative Holdings, LLC	46-3870972	SUBSIDIARY
AGR Partners LLC	81-1467545	SUBSIDIARY
AGR Services LLC	36-4853278	SUBSIDIARY
TGAM Agribusiness Fund GP LLC	81-1870559	SUBSIDIARY
Nuveen Agribusiness Fund III GP, LLC		SUBSIDIARY
AGR Services LLC	36-4853278	SUBSIDIARY
Beaver Investments Holdings, LLC	45-5558395	SUBSIDIARY
GreenWood Resources, Inc.	80-0026976	SUBSIDIARY
Greenwood Resources Brasil, Ltda.		SUBSIDIARY
GreenWood Resources Capital Management, LLC	45-1875074	SUBSIDIARY
GTFF GP, LLC	20-8501127	SUBSIDIARY
GWR-GTFF Investment, LLC	20-8955976	SUBSIDIARY
GWR International Ltd.		SUBSIDIARY
GWR China Ltd.	20-3188681	SUBSIDIARY
GreenWood Resources China Ltd.	98-0595429	SUBSIDIARY
GWR SA, Ltd.		SUBSIDIARY
GreenWood Resources Chile, S.A.		SUBSIDIARY
GWR Europe Ltd.	98-1016332	SUBSIDIARY
GreenWood Resources Poland sp. Z o.o.	98-1016335	SUBSIDIARY
GWR Property Management International, LLC	47-4557075	SUBSIDIARY
Greenwood Resources Brasil, Ltda.		SUBSIDIARY
GWR Uruguay S.A.		SUBSIDIARY
Greenwood Resources Colombia SAS		SUBSIDIARY
CAM HR Resources LLC	36-4851864	SUBSIDIARY
Churchill Asset Management LLC	47-3156644	SUBSIDIARY
CAM HR Resources LLC	36-4851864	SUBSIDIARY
Churchill Agency Services LLC		SUBSIDIARY
Churchill Feeder Fund GP II S.a.r.l.		SUBSIDIARY
Churchill Fund GP II LLC	83-1177850	SUBSIDIARY
Churchill Fund GP II Sarl	98-1449979	SUBSIDIARY
Churchill Special Member LLC	82-0735838	SUBSIDIARY
Churchill Warehouse LLC	82-3784142	SUBSIDIARY
Nuveen Churchill Administration LLC		SUBSIDIARY
TGAM Churchill Fund GP LLC	81-1817732	SUBSIDIARY
Global AG AIV (CN) GP, LLC	45-5044435	SUBSIDIARY
Global Agriculture AIV (CN), LP	45-5044681	SUBSIDIARY
Global Ag II AIV GP LLC		SUBSIDIARY
Global Agriculture II AIV, LP	47-1197292	SUBSIDIARY
Global Ag II US Corp.	47-1208275	SUBSIDIARY
Global Ag Properties II USA LLC	47-1069783	SUBSIDIARY
Oakville 38 Vineyard, LLC	81-3394580	SUBSIDIARY
Sugarloaf East Vineyard, LLC		SUBSIDIARY
True Oak Napa Vineyard, LLC	47-4945982	SUBSIDIARY

COMPANY	FEIN	RELATIONSHIP
Nuveen Alternative Holdings, LLC (continued)		
GTR Investor Fund GP LLC	47-1208361	SUBSIDIARY
NAP Investors GP, LLC	83-2245173	SUBSIDIARY
NCBDC Holdings LLC		SUBSIDIARY
Nuveen Churchill Advisors LLC		SUBSIDIARY
Nuveen Alternatives Advisors, LLC	45-4288013	SUBSIDIARY
TPS Investors GP, LLC		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 Global Farmland Fund GP, LLC		SUBSIDIARY
Nuveen Global Farmland Fund, LP		SUBSIDIARY
Nuveen Global Farmland Fund Lux, LP		SUBSIDIARY
Global Farmland US Holdco, LLC		SUBSIDIARY
Global Farmland US Properties, LLC		SUBSIDIARY
US Horticulture Farmland, LLC		SUBSIDIARY
US Row Farmland, LLC		SUBSIDIARY
US Viticulture Farmland, LLC		SUBSIDIARY
Nuveen International Holdings LLC	26-2719001	SUBSIDIARY
Nuveen Canada Company		SUBSIDIARY
Nuveen Investments Canada Co.		SUBSIDIARY
Nuveen Jagat, Limited		SUBSIDIARY
Nuveen UK, Limited		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 Asia LLC	81-4359164	SUBSIDIARY
TGAM HK HC LLC	81-4323796	SUBSIDIARY
TIAA International Subsidiary HC LLC	81-4390558	SUBSIDIARY
TGAM Asia LLC	81-4306975	SUBSIDIARY
TIAA International APAC LLC	81-4499397	SUBSIDIARY
TIAA International Asia LLC	81-4359164	SUBSIDIARY
TGAM APAC LLC	81-4290269	SUBSIDIARY
TIAA International APAC LLC	81-4499397	SUBSIDIARY
TIAA International Asia LLC	81-4359164	SUBSIDIARY
TGGA BT Aiv, LLC	46-5367344	SUBSIDIARY
TGGA Investor Fund GP, LLC	45-5139523	SUBSIDIARY
TGGA II Investor Fund GP, LLC	47-3001338	SUBSIDIARY
T-C U.S. Super Regional Mall Fund GP LLC	47-3126089	SUBSIDIARY
TGAM International GP LLC	81-4330570	SUBSIDIARY

COMPANY	FEIN	RELATIONSHIP
Nuveen Alternative Holdings, LLC (continued)		
Nuveen Real Estate Property Holdings L.L.C.	06-1217855	SUBSIDIARY
Casa Grande Investments I, LLC	06-1384746	SUBSIDIARY
Casa Grande Investments II, LP	01-0588041	SUBSIDIARY
Casa Partners VI GP, LLC	30-0794692	SUBSIDIARY
Casa Partners VII GP, LLC	47-5190671	SUBSIDIARY
CASA Partners VIII GP, LLC	82-4363605	SUBSIDIARY
Global Investors GP, L.L.C.	36-4477806	SUBSIDIARY
Global Investors GP II, L.L.C.	20-2537749	SUBSIDIARY
TIAA European Farmland Fund GP Member LLC	20-3070768	SUBSIDIARY
Nuveen Real Estate NYC Property Fund GP Member LLC	82-4266474	SUBSIDIARY
New York City Property Fund GP LLC	82-4213248	SUBSIDIARY
New York City Property Fund (T) LP	83-2335230	SUBSIDIARY
NYC Property Fund (T) Blocker 1, LLC	83-4678924	SUBSIDIARY
New York City Property Fund LP	82-4183425	SUBSIDIARY
NYC Property Fund Pooling LP	83-4671194	SUBSIDIARY
NYC Property Fund SPV 1 LLC	83-4653622	SUBSIDIARY
NYC Property Fund SPV 2 LLC	83-4701919	SUBSIDIARY
Nuveen Real Estate Global LLC	81-4262460	SUBSIDIARY
Nuveen Real Estate Global Cities Advisors LLC	82-3426937	SUBSIDIARY
Nuveen Australia Pty Ltd.	26-2748598	SUBSIDIARY
Nuveen GP Holding Company LLC	82-2986445	SUBSIDIARY
Nuveen CRED GP Member LLC	82-4598778	SUBSIDIARY
CRED GP LLC	82-3751722	SUBSIDIARY
U.S. Cities Retail Fund GP LLC	82-4054235	SUBSIDIARY
U.S. Cities Multifamily Fund GP LLC		SUBSIDIARY
U.S. Cities Multifamily Fund LP		SUBSIDIARY
U.S. Cities Multifamily Fund REIT LLC		SUBSIDIARY
U.S. Cities Multifamily Fund Operating GP LLC		SUBSIDIARY
U.S. Cities Multifamily Fund Operating LP		SUBSIDIARY
USCMF Avion on Legacy LLC	83-2344355	SUBSIDIARY
USCMF Boulder Creek LLC	83-2434879	SUBSIDIARY
USCMF District at Washington LLC	83-2486856	SUBSIDIARY
USCMF Gramercy at Buckhead, LLC	83-2447368	SUBSIDIARY
USCMF Marshall Park LLC	83-2531960	SUBSIDIARY
USCMF Metro 112 LLC	83-2409099	SUBSIDIARY
USCMF Stoneledge LLC	83-2422984	SUBSIDIARY
USCMF The Matisse LLC	83-2515243	SUBSIDIARY
USCMF The Reserve at Tysons Corner LLC	83-2459693	SUBSIDIARY
Nuveen Permian Investor Asset Manager Member LLC	81-5466713	SUBSIDIARY
Permian Investor Asset Manager LLC	82-0631410	SUBSIDIARY
TGAM Asia LLC	81-4306975	SUBSIDIARY
Permian Investor GP LLC	81-5433582	SUBSIDIARY

- (1) AGR Services LLC is ultimately controlled and owned entirely by TIAA, with 99% owned by AGR Partners LLC and 1% owned by Nuveen Alternative Holdings, LLC.
- (2) Greenwood Resources Brasil, Ltda. is ultimately controlled and owned entirely by TIAA, with 99% owned by GWR Property Management International, LLC and 1% owned by GreenWood Resources, Inc.
- (3) CAM HR Resources LLC is ultimately controlled and owned entirely by TIAA, with 99% owned by Churchill Asset Management LLC and 1% owned by Nuveen Alternative Holdings, LLC.
- (4) TIAA European Farmland Fund GP LP is ultimately controlled and owned entirely by TIAA, with 50% owned by Nuveen Alternative Services, LLC and 50% owned by TEFF Holdco LLC
- (5) TGAM APAC LLC is ultimately controlled and owned entirely by TIAA, with TGAM Subsidiary HC LLC, TIAA International Subsidiary HC LLC and Nuveen International Holdings LLC each owning 33.33%
- (6) TGAM HK HC LLC is ultimately controlled and owned entirely by TIAA, with TGAM APAC LLC, TGAM Asia LLC, TIAA International APAC LLC and TIAA International Asia LLC each owning 25%
- (7) TGAM Asia LLC is ultimately controlled and owned entirely by TIAA, with TGAM Subsidiary HC LLC, TIAA International Subsidiary HC LLC and Nuveen International Holdings LLC each owning 33.33%
- (8) TIAA International APAC LLC is ultimately controlled and owned entirely by TIAA, with TGAM Subsidiary HC LLC, TIAA International Subsidiary HC LLC and Nuveen International Holdings LLC each owning 33.33%
- (9) TIAA International Asia LLC is ultimately controlled and owned entirely by TIAA, with TGAM Subsidiary HC LLC, TIAA International Subsidiary HC LLC and Nuveen International Holdings LLC each owning 33.33%

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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

PART 1 - ORGANIZATIONAL CHART

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

COMPANY	FEIN	RELATIONSHIP
Nuveen Alternative Holdings, LLC (continued)		
TIAA International Holdings 1 Limited	98-1162850	SUBSIDIARY
Nuveen Real Estate Limited	98-1125673	SUBSIDIARY (10)
TIAA International Holdings 2 Limited	98-1163394	SUBSIDIARY
TIAA International Holdings 3 Limited	98-1163894	SUBSIDIARY
Nuveen Real Estate Limited	98-1125673	SUBSIDIARY (10)
Nuveen Administration Ltd	98-1127648	SUBSIDIARY
Nuveen Europe Holdings Limited	98-1128805	SUBSIDIARY
Henderson European Retail Property Fund Management Sarl		SUBSIDIARY
Nuveen Asset Management Europe S.à.r.l		SUBSIDIARY
Nuveen Fund (Europe) Management S.à.r.l		SUBSIDIARY
Nuveen Fund Management (Jersey) Limited		SUBSIDIARY
Nuveen Fund Management Vanquish (Jersey) Limited		SUBSIDIARY
Nuveen Fund Management Vanquish II (Jersey) Limited		SUBSIDIARY
Asia Pacific Cities Management S.à.r.l		SUBSIDIARY
Nuveen Management AIFM Limited		SUBSIDIARY
Nuveen Management Company (Luxembourg) No 1 S.à.r.l		SUBSIDIARY
Nuveen Property Management (Jersey) Limited		SUBSIDIARY
Nuveen FCACO Ltd	98-1128787	SUBSIDIARY
Nuveen Real Estate Management Ltd		SUBSIDIARY
Nuveen Shopping Centre Verwaltungs GmbH		SUBSIDIARY
TIAA-CREF Asset Management UK Ltd	98-0582851	SUBSIDIARY
Nuveen Group Holdings Ltd	98-1127632	SUBSIDIARY
AREFM (BVI) Limited		AFFILIATE
CLOF II (GP) Limited		SUBSIDIARY
CLOF II Vanquish Limited		SUBSIDIARY
CLOF II (No 1 GP) Limited		SUBSIDIARY
CLOF II (No1 Nominee) Limited		SUBSIDIARY
CLOF II (No 2 GP) Limited		SUBSIDIARY
CLOF II (No 3 GP) Limited	98-1165678	SUBSIDIARY
Enhanced Debt Carry (GP) S.à.r.l		SUBSIDIARY
ERES APAC II (GP) S.à.r.l		SUBSIDIARY
European Cities Partnership (GP) S.à.r.l		SUBSIDIARY
European Cities Partnership SCSp		AFFILIATE (11)
Henderson Joint Ventures Property Funds Management S.à.r.l		SUBSIDIARY
Islazul General Partner S.à.r.l		SUBSIDIARY
Matador LP General Partner Limited		SUBSIDIARY
Nuveen Beteiligung Verwaltungs GmbH		SUBSIDIARY
Nuveen Immobilien GmbH		AFFILIATE
Anglo-Sino Henderson Investment Consultancy (Beijing) Co Limited		SUBSIDIARY
Nuveen Consulting (Shanghai) Co Ltd		SUBSIDIARY
Nuveen Management Austria GmbH		SUBSIDIARY
Nuveen Management Finland Oy		SUBSIDIARY
Nuveen Real Estate Debt Partners (GP) Sarl		SUBSIDIARY
Nuveen Real Estate Debt Partners II (GP) S.à.r.l		SUBSIDIARY
Global Real Estate Debt Partners – Fund II (UK) SCSp		AFFILIATE (12)
Nuveen Real Estate Nominees Limited		SUBSIDIARY
Nuveen Singapore Private Limited		SUBSIDIARY
OMP (GP) Limited		SUBSIDIARY

(10) Nuveen Real Estate Limited is ultimately controlled and owned entirely by TIAA, with 99% owned by TIAA International Holdings 3, Ltd. and 1% owned by TIAA International Holdings 1, Ltd.

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

(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.à.r.l.

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

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

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

LISTING 2 (NUVEEN FINANCE, LLC):

COMPANY	FEIN	RELATIONSHIP
Nuveen Holdings 1, Inc.		
Nuveen Holdings, Inc.	81-3425820	SUBSIDIARY
Nuveen Investments, Inc.	26-0373324	SUBSIDIARY
Gresham Asset Management LLC	36-3817266	SUBSIDIARY
Gresham Investment Management LLC	26-0627593	SUBSIDIARY
Gresham Investment Management Asia Pte. Ltd.	20-1930384	SUBSIDIARY
Nuveen Alternative Investments, LLC		SUBSIDIARY
Nuveen Capital Markets LLC	36-4839486	SUBSIDIARY
Symphony Alternative Asset Management LLC	83-3751978	SUBSIDIARY
Nuveen Fund Advisors, LLC	83-4025630	SUBSIDIARY
Nuveen Asset Management, LLC	27-4357327	SUBSIDIARY
NIS/R&T, Inc.	31-0942504	SUBSIDIARY
Nuveen WCM Holdings, LLC	36-3293941	SUBSIDIARY
Winslow Capital Management, LLC	37-1695518	SUBSIDIARY
Growth Capital GP I, LLC	90-0860898	SUBSIDIARY
Nuveen NWQ Holdings, LLC	81-0730906	SUBSIDIARY
NWQ Partners, LLC	36-4709028	SUBSIDIARY
NWQ Investment Management Company, LLC	30-0892190	SUBSIDIARY
Nuveen Securities, LLC	47-0875103	SUBSIDIARY
Santa Barbara Asset Management, LLC	36-2639476	SUBSIDIARY
Nuveen Investments Holdings, Inc.	20-3432117	SUBSIDIARY (15)
Symphony Asset Management LLC	36-7364377	SUBSIDIARY
Symphony Risk Retention Finance LC	94-3252504	SUBSIDIARY (15)
SRR 1 LLC	30-1032009	SUBSIDIARY
Teachers Advisors, LLC	13-3760073	SUBSIDIARY
Colinvest Member LLC	82-1157427	SUBSIDIARY
CLO Colinvest I LLC		SUBSIDIARY



STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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

PART 1 - ORGANIZATIONAL CHART

LISTING 3:

COMPANY	FEIN	RELATIONSHIP
485 Properties, LLC	13-3987258	SUBSIDIARY
JWL Properties, Inc.	13-3371278	SUBSIDIARY
TPCPC Associates, LLC	16-1735872	SUBSIDIARY
730 Data Centers, LLC	81-3091169	SUBSIDIARY
730 Aviator, LLC	82-0793232	SUBSIDIARY
730 Databridge, LLC	81-3106043	SUBSIDIARY
730 Power Development, LLC	47-2616735	SUBSIDIARY
730 Carroll, LLC	47-2622825	SUBSIDIARY
730 Cricket, LLC		SUBSIDIARY
730 Telecom LLC	47-5363027	SUBSIDIARY
730 Texas Forest Holdings, Inc.	13-4042885	SUBSIDIARY
730 Texas Timberlands II, Ltd.	51-0494351	SUBSIDIARY
730 Texas Timberlands, Ltd.	13-4042888	SUBSIDIARY
730 Texas Timberlands II, Ltd.	51-0494351	SUBSIDIARY
TIAA Timberlands I, LLC	13-4040842	SUBSIDIARY
730 Texas Timberlands, Ltd.	13-4042888	SUBSIDIARY
TIAA Timberlands II, LLC	13-4085431	SUBSIDIARY
Active Extension Fund III, LLC	26-1870966	SUBSIDIARY
Actoil, LLC	38-3847245	SUBSIDIARY
Actoil Colorado, LLC	46-3373066	SUBSIDIARY
Great Western Petroleum LLC		AFFILIATE
Great Western Exploration & Development, Inc.		AFFILIATE
Almond Processors, LLC	45-2285816	SUBSIDIARY
ASC Holdings, LLC		AFFILIATE
Broadleaf Timberland Investments, LLC	46-1952974	SUBSIDIARY
Quercus Forestland Account, LLC	26-4647417	SUBSIDIARY
Quercus Panama, LLC		SUBSIDIARY
Quercus Algoma Corporation		SUBSIDIARY
Quercus Algoma Land Corporation		SUBSIDIARY
Quercus West Virginia, LLC	46-2916514	SUBSIDIARY
Casa Student Housing Fund Holdings, LLC	47-2167228	SUBSIDIARY
Shf-33d North Apts, LLC	47-4155469	SUBSIDIARY
Shf-Millennium One Apts, LLC	47-4155469	SUBSIDIARY
Shf-The Rocks Apts, LLC	81-2450195	SUBSIDIARY
PEP-TH CASA Student Housing, LLC	47-4455610	SUBSIDIARY
CSHF-PEP Purdue LLC	47-4455303	SUBSIDIARY
CSHF-PEP USF LLC	30-0965548	SUBSIDIARY

COMPANY	FEIN	RELATIONSHIP
CCM Series, LLC	13-1624203	SUBSIDIARY
CCAP Fund 6 - 2015, L.P.	47-4069196	SUBSIDIARY
CCAP Fund 6 - 2016, L.P.	81-1205888	SUBSIDIARY
CCAP Fund 6 - 2017, L.P.	81-4732595	SUBSIDIARY
CCAP Fund 6 - 2018, L.P.	82-3167398	SUBSIDIARY
CCAP Fund 6 - 2019, L.P.	83-2787412	SUBSIDIARY
CCAP Fund 8 - 2015, L.P.	47-4079472	SUBSIDIARY
CCAP Fund 8 - 2016, L.P.	81-1212188	SUBSIDIARY
CCAP Fund 8 - 2017, L.P.	81-3718876	SUBSIDIARY
CCAP Fund 8 - 2018, L.P.	82-3182368	SUBSIDIARY
CCAP Fund 8 - 2019, L.P.	83-2793857	SUBSIDIARY
CCAP Fund GE, L.P.	81-0784669	SUBSIDIARY
CCAP Fund HFD, L.P.	81-0821374	SUBSIDIARY
CCAP Fund HFND, L.P.	81-0758188	SUBSIDIARY
CCM Series 2, LLC	13-1624203	SUBSIDIARY
CCAP Fund FI, L.P.	81-0753491	SUBSIDIARY
Ceres Agricultural Properties, LLC	56-2672630	SUBSIDIARY
Premiere Agricultural Properties, LLC	37-1565322	SUBSIDIARY
Loma del Rio Vineyards, LLC	80-0843991	SUBSIDIARY
Premiere Columbia Properties, LLC	36-4620107	SUBSIDIARY
Premiere Farm Properties, LLC	30-0449681	SUBSIDIARY
Demeter Agricultural Properties II, LLC	26-3484719	SUBSIDIARY
International Agricultural Investors, LLC	26-0352203	SUBSIDIARY
IAI Australia Pty. Ltd.		SUBSIDIARY
IAI Australia Trust		SUBSIDIARY
IAI USA, LLC	26-0460488	SUBSIDIARY
International Agricultural Investors Fund II, LLC	26-2745365	SUBSIDIARY
IAI Australia Fund II, Pty. Ltd.		SUBSIDIARY
IAI Australia Fund II Trust		SUBSIDIARY
IAI USA Fund II, LLC	26-2747755	SUBSIDIARY
Churchill Middle Market CLO IV Ltd.	98-1402136	AFFILIATE
Demeter Agricultural Properties, LLC	26-3049305	SUBSIDIARY
Dionysus Properties, LLC	45-2632248	SUBSIDIARY
Silverado Premium Properties, LLC	94-3306131	SUBSIDIARY
Arroya Loma, LLC	68-0436609	SUBSIDIARY
Chalk Ridge Vineyard, LLC	75-3025596	SUBSIDIARY
Hobson Avenue Vineyard, LLC	20-3964695	SUBSIDIARY
Marsino Vineyard, LLC	26-1542713	SUBSIDIARY
Silverado Los Alamos Vineyards, LLC	20-2103733	SUBSIDIARY
Silverado SLO Vineyards, LLC	20-2490906	SUBSIDIARY
SPP Napa Vineyards, LLC	68-0466083	SUBSIDIARY
Stanly Ranch Vineyards, LLC	94-3361818	SUBSIDIARY
Suscol Mountain Vineyards, LLC	26-3774024	SUBSIDIARY
Terra Ventosa Vineyards, LLC	26-2766605	SUBSIDIARY

COMPANY	FEIN	RELATIONSHIP
Dionysus Properties, LLC (continued)		
Silverado Winegrowers Holdings, LLC	43-3997217	SUBSIDIARY
Silverado Winegrowers LLC	68-0443927	SUBSIDIARY
Alta Loma Vineyard, LLC	94-3357571	SUBSIDIARY
Oak Knoll Napa Vineyards, LLC	94-3312405	SUBSIDIARY
Silverado Suscol, LLC	91-1806950	SUBSIDIARY
SWG Paso Vineyard, LLC	45-4820104	SUBSIDIARY
Distressed Opportunities Fund, L.P.	26-3561447	SUBSIDIARY
DWM Inclusive Finance Equity Fund II		AFFILIATE
DWM Microcap Fund I	88-0580879	AFFILIATE
Envisage Information Systems, LLC	04-3718449	SUBSIDIARY
EPP LFG I, LLC	30-0701953	AFFILIATE
Global Real Estate Debt Partners – Fund I (UK)		SUBSIDIARY
Global Real Estate Debt Partners – Fund II (UK) SCSp		AFFILIATE
Gresham CMS Fund, LLC	20-1930384	SUBSIDIARY
GreshamQuant ACAR Fund LLC	32-0509812	SUBSIDIARY
Growth Capital Fund I, L.P.	81-0737062	SUBSIDIARY
Inception GP LLC		SUBSIDIARY
Inception Partners IV, LP	46-2031403	AFFILIATE
Inception Partners V, LP	46-2062147	AFFILIATE
Infra Alpha, LLC	27-4149157	SUBSIDIARY
EMG Investments, LLC	27-3900641	AFFILIATE
Lewis & Clark Timberlands, LLC	47-4169877	SUBSIDIARY
IAI Australia Fund II, LLC	47-4187541	SUBSIDIARY
L&C Tree Farms, LLC	47-4196668	SUBSIDIARY
L&C TRS LLC	47-5300478	SUBSIDIARY
Liberty M & R SPV II, LP	27-2007833	SUBSIDIARY
Mansilla Participacoes LTDA		SUBSIDIARY
Radar Propriedades Agricolas S.A.		AFFILIATE
Nova Amaralina S.A. Propriedades Agricolas		AFFILIATE
Nova Santa Barbara Agricola S.A.		AFFILIATE
Nova Agricola Ponte Alta S.A.		AFFILIATE
Terras da Ponte Alta S.A.		AFFILIATE
Radar II Propriedades Agricolas S.A.		AFFILIATE
Proud Participacoes S.A.		AFFILIATE
Vale De Ponte Alta S.A.		AFFILIATE
Bioinvestments Negocios e Participacoes		AFFILIATE
Aguas de Ponte Alta S.A.		AFFILIATE
MM Funding, LLC	13-1624203	SUBSIDIARY
MvVest Corporation	47-0902011	SUBSIDIARY

(16) 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%.

(17) 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.

(18) 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.

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

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

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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

PART 1 - ORGANIZATIONAL CHART

LISTING 3 (CONTINUED):

COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP
ND Properties, Inc.	11-3034756	SUBSIDIARY	ND Properties, Inc. (continued)			ND Properties, Inc. (continued)		
Norteshopping Retail and Leisure Centre BV		SUBSIDIARY	SMA Holding S.à r.l.		SUBSIDIARY	U.S. Cities Office CPF Fund LP	81-3814378	SUBSIDIARY
Norteshopping - Centro Commercial, S.A.		SUBSIDIARY	70 St Mary Axe Unit Trust		SUBSIDIARY	U.S. Cities Office CPF Fund REIT LLC	81-3911937	SUBSIDIARY
ND Europe S.à r.l.		SUBSIDIARY	HV Properties S.à r.l.		SUBSIDIARY	U.S. Cities Office CPF Fund Operating GP LLC	81-3881522	SUBSIDIARY
ND Europe Office Holding S.à r.l.		SUBSIDIARY	HV Freehold S.à r.l.		SUBSIDIARY	U.S. Cities Office CPF Fund Operating LP	81-3839479	SUBSIDIARY
Cityhold Nymphe S.à r.l.		SUBSIDIARY	TIAA Lux 9 S.à r.l.		SUBSIDIARY	T-C World Trade Center North LLC	35-2589573	SUBSIDIARY
Cityhold Propco 11 S.à r.l.		SUBSIDIARY	SAS Malachite		SUBSIDIARY	U.S. Cities Retail CPF Fund LP	81-3437405	SUBSIDIARY
Cityhold Euro S.à r.l.		SUBSIDIARY	SNC Garnet-TIAA		SUBSIDIARY	U.S. Cities Retail CPF Fund REIT LLC	81-3573421	SUBSIDIARY
Cityhold Office Partnership S.à r.l.		SUBSIDIARY	SNC La Defense		SUBSIDIARY	U.S. Cities Retail CPF Fund Operating GP LLC	81-3578259	SUBSIDIARY
CHOP OPCl		SUBSIDIARY	SNC LaZuli		SUBSIDIARY	CPF/UIR JV Member LLC	81-2914954	SUBSIDIARY
Cityhold Iconic Holding SAS	98-1435873	SUBSIDIARY	SNC Peridot		SUBSIDIARY	CPF/UIR Joint Venture LLC	81-2928112	SUBSIDIARY
Cityhold Iconic Hotel SNC	98-1433967	SUBSIDIARY	T-C Neuperlach Development S.à r.l.		SUBSIDIARY	CPF 636 Sixth Avenue LLC	81-2955427	SUBSIDIARY
Cityhold Iconic Office SCI	98-1433956	SUBSIDIARY	T-C Pep Holding S.à r.l.		SUBSIDIARY	T-C 636 Sixth Avenue Retail LLC	47-2264739	SUBSIDIARY
Cityhold Iconic Retail SNC	98-1433960	SUBSIDIARY	T-C Pep Property S.à r.l.		SUBSIDIARY	CPF 856 Market Street LLC	81-2982618	SUBSIDIARY
Cityhold Iconic Youth Hostel SNC	98-1433975	SUBSIDIARY	T-C Pep Asset S.à r.l.		SUBSIDIARY	CPF 1511 Third Avenue LLC	81-2973332	SUBSIDIARY
Cityhold Nymphe S.à r.l.		SUBSIDIARY	TIAA Lux 11 S.à r.l.		SUBSIDIARY	T-C 1608 Chestnut General Partner LLC		SUBSIDIARY
Cityhold Propco 6 S.à r.l.		SUBSIDIARY	Gropius Passagen Verwaltungs GmbH		SUBSIDIARY	1608 Chestnut Partners LP		SUBSIDIARY
Cityhold Iconic Hotel OPCO SAS	98-1433939	SUBSIDIARY	Gropius S.à r.l.		SUBSIDIARY	T-C 1608 Chestnut Limited Partner LLC		SUBSIDIARY
Cityhold Iconic Investment S.à r.l.	98-1435880	SUBSIDIARY	Gropius Passagen GmbH & Co KG		SUBSIDIARY	1608 Chestnut Partners LP		SUBSIDIARY
Cityhold Propco 9 S.à r.l.		SUBSIDIARY	TIAA Lux 5 S.à r.l.		SUBSIDIARY	TCAM Core Prop Fund REIT 2 LLC	47-4935916	SUBSIDIARY
SAS Roosevelt		SUBSIDIARY	Erlangen Arcaden GmbH & Co. KG		SUBSIDIARY	T-C 51 Sleeper Street LLC	47-4016470	SUBSIDIARY
SNC Roosevelt		SUBSIDIARY	Erlangen Arcaden Verwaltungs GmbH		SUBSIDIARY			
Roosevelt Participation S.à r.l.		SUBSIDIARY	U.S. Cities Fund, LP	20-1371171	SUBSIDIARY	Nuveen Municipal Opportunities Fund LP		SUBSIDIARY
SNC Roosevelt		SUBSIDIARY	U.S. Cities Fund REIT, LLC	20-1371379	SUBSIDIARY	Nuveen Real Estate U.S. Strategic Industrial Fund I LP	81-2429791	SUBSIDIARY
Courcelles 70 SAS		SUBSIDIARY	T-C Ocean Air, LLC	47-4841790	SUBSIDIARY	Occator Agricultural Properties, LLC	26-4750562	SUBSIDIARY
Cityhold Euro S.à r.l.		SUBSIDIARY	U.S. Cities Fund Operating GP, LLC	20-1364650	SUBSIDIARY	AGR Agricultural Investments, LLC	46-1768969	SUBSIDIARY
Cityhold Propco 7 S.à r.l.		SUBSIDIARY	U.S. Cities Fund Operating, LP	20-1371235	SUBSIDIARY	Ridley Corporation Limited		AFFILIATE
Cityhold Propco 10 S.à r.l.		SUBSIDIARY	T-C 3333 Wisconsin Avenue LLC	45-4768909	SUBSIDIARY	Mandala Food Co-Investment Holdings II SPV		SUBSIDIARY
Cityhold Gouden Bocht B.V.		SUBSIDIARY	T-C Ellington LLC	45-2612359	SUBSIDIARY	Materra, LLC	45-1125143	AFFILIATE
Cityhold Gouden Bocht Monumenten B.V.		SUBSIDIARY	T-C King Street Station LLC	26-1700245	SUBSIDIARY	Oleum Holding Company, Inc.	26-4248579	SUBSIDIARY
Redevelopment Property II B.V.	98-1438380	SUBSIDIARY	T-C Savier Street Flats LLC	47-2532161	SUBSIDIARY	Polar Star Canadian Oil and Gas Holding, Inc.		SUBSIDIARY
Cityhold Propco 12 S.à r.l.		SUBSIDIARY	T-C State House on Congress Apartments LLC	27-4180357	SUBSIDIARY	Adastra Management, Inc.		SUBSIDIARY
Cityhold EST Investment S.à r.l.		SUBSIDIARY	T-C Stonecrest LLC	14-2005711	SUBSIDIARY	Nova Star Oil and Gas Inc.		SUBSIDIARY
Cityhold GC Investment S.à r.l.		SUBSIDIARY	T-C Trio Apartments LLC	45-2892182	SUBSIDIARY			
Cityhold Cloud S.à r.l.		SUBSIDIARY	TCPF 300 SW 27 LLC	81-3629374	SUBSIDIARY			
Cityhold UK Holding S.à r.l.		SUBSIDIARY	U.S. Cities Industrial CPF Fund LP	81-3738136	SUBSIDIARY			
Cityhold UK Investment S.à r.l.		SUBSIDIARY	U.S. Cities Industrial CPF Fund REIT LLC	81-3681230	SUBSIDIARY			
London Belgrave Unit Trust		SUBSIDIARY	U.S. Cities Industrial CPF Fund Operating GP LLC	81-3671343	SUBSIDIARY			
New Fetter Lane Unit Trust		SUBSIDIARY	U.S. Cities Multifamily CPF Fund LP	81-3765537	SUBSIDIARY			
60 Great Portland Street Unit Trust		SUBSIDIARY	U.S. Cities Multifamily CPF Fund REIT LLC	81-3870674	SUBSIDIARY			
70 St Mary Axe Unit Trust		SUBSIDIARY	U.S. Cities Multifamily CPF Fund Operating GP LLC	81-3716920	SUBSIDIARY			
London Belgrave Unit Trust		SUBSIDIARY	U.S. Cities Multifamily CPF Fund Operating LP	81-3794611	SUBSIDIARY			
CLOF Victoria Nominee 1 Limited		SUBSIDIARY						
CLOF Victoria Nominee 2 Limited		SUBSIDIARY						
New Fetter Lane Unit Trust		SUBSIDIARY						
60 Great Portland Street Unit Trust		SUBSIDIARY						

(20) Cityhold Nymphe S.à r.l. (Nymphe) is ultimately controlled by TIAA via a 50% ownership of Cityhold Office Partnership S.à r.l., which owns 88% of Nymphe, and 6% owned by wholly-owned ND Europe Office Holding S.à r.l.

(21) Cityhold Euro S.à r.l. (CES) is ultimately controlled by TIAA via a 50% ownership of Cityhold Propco 9 S.à r.l., which owns 88% of CES, and 6% owned by wholly-owned ND Europe Office Holding S.à r.l.

(22) SNC Roosevelt is ultimately controlled by TIAA via a 50% 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%).

(23) London Belgrave Unit Trust (LBUT) is ultimately controlled by TIAA via a 50% 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%).

(24) New Fetter Lane Unit Trust (NFLUT) is ultimately controlled by TIAA via a 50% 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%).

(25) 60 Great Portland Street Unit Trust (60GPS) is ultimately controlled by TIAA via a 50% 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%).

(26) 70 St. Mary Axe Unit Trust (SMAUT) is ultimately controlled by TIAA via a 50% 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%).

(27) 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%.

(28) Erlangen Arcaden GmbH & Co. KG is controlled by TIAA, and partially owned by TIAA Lux 5 S.à r.l., which owns 94.9% and Erlangen Arcaden Verwaltungs GmbH which owns 5.1%.

(29) 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.

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA  
SCHEDULE Y - INFORMATION CONCERNING ACTIVITIES OF INSURER MEMBERS OF A HOLDING COMPANY GROUP  
PART 1 - ORGANIZATIONAL CHART

LISTING 3 (CONTINUED):

COMPANY	FEIN	RELATIONSHIP
Pinnacle Third Avenue, LP	26-3821015	AFFILIATE
Primary Residential Individual Mortgage Entity Trust	61-6646836	SUBSIDIARY
Renewable Timber Europe, LLC	45-2792614	SUBSIDIARY
Renewable Timber Netherlands B.V.		SUBSIDIARY
Topola Lasy Spolka z o.o.		SUBSIDIARY
Renewable Timber Resources, LLC	61-1640765	SUBSIDIARY
Forestal y Agrícola Silvologica Chile Limitada		SUBSIDIARY
Siguler Guff Third Avenue, L.P.	03-0543113	SUBSIDIARY
Social Infra, LLC		SUBSIDIARY
T-C 20 Hunter Street (AUS) Pty Ltd		SUBSIDIARY
T-C 20 Hunter Street (US), LLC	46-3922951	SUBSIDIARY
T-C 400 Montgomery, LLC	81-2525521	SUBSIDIARY
400 Montgomery Investors, LLC		SUBSIDIARY
T-C 685 Third Avenue Member, LLC	27-4123754	SUBSIDIARY
T-C 685 Third Avenue, LLC	27-3095569	SUBSIDIARY
T-C 685 Third Avenue Owner LLC	61-1754745	SUBSIDIARY
T-C 699 Bourke Street LLC	46-4969690	SUBSIDIARY
T-C Australia RE Holdings I, LLC	81-2490530	SUBSIDIARY
T-C Australia RE Holdings II, LLC	81-2506975	SUBSIDIARY
TIAA Australia Real Estate Trust		SUBSIDIARY
TIAA Melbourne Retail Holding 1 Trust		SUBSIDIARY
TGA Miller Street Trust		SUBSIDIARY
TIAA Melbourne Retail Holding 1 Trust		SUBSIDIARY
TGA Australia Real Estate Trust 2		SUBSIDIARY
TGA PBSA Hold Trust		SUBSIDIARY
TGA PBSA Asset Trust 1		SUBSIDIARY
T-C Europe Holding Inc.	47-2363168	SUBSIDIARY
T-C Europe LP	47-2369576	SUBSIDIARY
T-C Europe LP	47-2369576	SUBSIDIARY
T-C Europe S.à r.l.		SUBSIDIARY
Nightingale LuxCo S.à r.l.		SUBSIDIARY
T-C Nordics Investment AB		SUBSIDIARY
Sweden Nova Lund 1 AB		SUBSIDIARY
Sweden Nova Lund 2 AB		SUBSIDIARY
T-C Luxembourg Neptune Holdings S.à r.l.		SUBSIDIARY
T-C Neptune Holdings S. à r.l.		SUBSIDIARY
Neptune Property Venture S.à r.l.		SUBSIDIARY
Neptune Polish Property Venture BV		SUBSIDIARY
Neptune Krakow SP. z o.o.		SUBSIDIARY
Neptune Annapol SP. z o.o.		SUBSIDIARY
Neptune Poznan SP. z o.o.		SUBSIDIARY
Neptune Property Holding S.à r.l.		SUBSIDIARY
Nemab Sugar City B.V.		SUBSIDIARY
Silesia Outlet sp. z o.o		SUBSIDIARY
Promcat Alternativa, S.L.		SUBSIDIARY
Neptune OPCI SAS		SUBSIDIARY
Roppenheim Holding SAS		SUBSIDIARY
Roppenheim Outlet SNC		SUBSIDIARY
Neptune Polish HoldCo 2 B.V.		SUBSIDIARY
Neptune Ursus SP. z.o.o.		SUBSIDIARY

COMPANY	FEIN	RELATIONSHIP
T-C Europe, LP (continued)		
Neptune Roppenheim Holding S.à r.l.		SUBSIDIARY
Roppenheim Outlet SNC		SUBSIDIARY
Neptune Vicollungo I S.r.l.		SUBSIDIARY
Castel Gueffo I SRL		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
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	SUBSIDIARY
Nuveen Global Cities REIT LP, LLC	82-1502883	SUBSIDIARY
Nuveen Global Cities REIT OP, LP	82-1507998	SUBSIDIARY
NR 844 North LLC	82-3527067	SUBSIDIARY
NR APCF Investor Ltd.		SUBSIDIARY
NR Defoor Hills LLC	82-5519657	SUBSIDIARY
NR Denver Industrial Portfolio LLC	82-3539243	SUBSIDIARY
NR East Sego Lily LLC	83-3651003	SUBSIDIARY
NR Henderson 215 LLC	83-1495411	SUBSIDIARY
NR Kirkland Crossing LLC	82-3556058	SUBSIDIARY
NR Main Street at Kingwood LLC	83-1815798	SUBSIDIARY
NR Tacara at Steiner Ranch LLC	82-5503093	SUBSIDIARY
Nuveen Global Cities REIT Lending, LLC	83-4299885	SUBSIDIARY
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 33 Arch Street, LLC	45-2792699	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 470 Park Avenue South Owner LLC	46-1754243	SUBSIDIARY
T-C 475 Fifth Avenue Member, LLC	46-1839003	SUBSIDIARY
T-C 475 Fifth Avenue Venture 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 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 300 Broadway LLC	46-1220681	SUBSIDIARY
T-C Aspira LLC		SUBSIDIARY

(31)

COMPANY	FEIN	RELATIONSHIP
T-C GA Real Estate Holdings, LLC (continued)		
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 Hall of States Owner LLC	47-2034237	SUBSIDIARY
T-C Kings Crossing, LLC	45-4045658	SUBSIDIARY
T-C Legacy Place Member, LLC	46-1120016	SUBSIDIARY
Legacy Place Associa, LLC	46-0876833	SUBSIDIARY
300 Legacy Place Boulevard LLC		SUBSIDIARY
Legacy Place Properties, LLC		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	47-3091196	SUBSIDIARY
T-C Republic Square Owner LLC	47-2793452	SUBSIDIARY
The Flats Holding Company LLC	47-1379500	SUBSIDIARY
The Flats 130 DC Residential LLC	47-1347366	SUBSIDIARY
The Flats 140 DC Residential LLC	47-1363564	SUBSIDIARY
The Flats DC Grocery LLC	47-1367530	SUBSIDIARY
T-C JK I, LLC	46-4567368	SUBSIDIARY
Adeoti Empreendimentos Imobiliários Ltda		SUBSIDIARY
NR ECFY		SUBSIDIARY
Adeoti Empreendimentos Imobiliários Ltda		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)		SUBSIDIARY
T-C MV Member LLC	81-4583865	SUBSIDIARY
T-C M-T REIT LLC	81-4599024	SUBSIDIARY
T-C Mt. Ommaney Centre Holding Company LLC	47-1954609	SUBSIDIARY
T-C Mt. Ommaney Centre LLC	47-1828871	SUBSIDIARY
T-C Permian Investor LLC	82-1023309	SUBSIDIARY
T-C SBMC Joint Venture LLC	46-3007720	SUBSIDIARY
T-C SMA I, LLC	20-8309570	SUBSIDIARY
CPPIB-TIAA US Real Property Fund LP	20-8309587	SUBSIDIARY
C-T Shenandoah, LLC	20-8309622	SUBSIDIARY
T-C SMA 2, LLC	36-4620008	SUBSIDIARY
PennMuni-TIAA U.S. Real Estate Fund, LLC	36-4619998	SUBSIDIARY
T-C 526 Route 46 LLC	27-1508518	SUBSIDIARY
T-C Barton Springs LLC	26-2762767	SUBSIDIARY
T-C Century Plaza LLC	26-2719700	SUBSIDIARY
T-C Copley LLC	47-2569491	SUBSIDIARY
T-C Des Peres Corners LLC	27-4023559	SUBSIDIARY
T-C 800 17th Street NW Owner LLC	47-2724111	SUBSIDIARY
T-C RDC, LLC	46-3678318	SUBSIDIARY
T-C Scripps Ranch LLC	45-3525878	SUBSIDIARY
T-C Shoppes at Monarch Lakes LLC	27-3415834	SUBSIDIARY
T-C Uptown Apartments, LLC	46-4977129	SUBSIDIARY
T-C SMA III, LLC	27-7258182	SUBSIDIARY
T-C The Edge at Flagler Village, LLC	81-2204918	SUBSIDIARY

(30) 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.

(31) 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%).

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

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

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

(33) CPPIB-TIAA US Real Property Fund LP is controlled by TIAA, which owns 50%. T-C SMA I, LLC, which is 100% owned by TIAA, is the General Partner and owns 1%.

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA  
SCHEDULE Y - INFORMATION CONCERNING ACTIVITIES OF INSURER MEMBERS OF A HOLDING COMPANY GROUP  
PART 1 - ORGANIZATIONAL CHART

LISTING 3 (CONTINUED):

COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP	COMPANY	FEIN	RELATIONSHIP
T-C UK RE Holdings I, LLC	81-2676934	SUBSIDIARY	TEFF Holdco LLC	81-2146865	SUBSIDIARY	TGA Barnes Canyon Life Science LLC	83-1851559	SUBSIDIARY
T-C UK RE Holdings II, LLC	81-2691474	SUBSIDIARY				TGA Central Green LLC	83-3799476	SUBSIDIARY
Thurrock Retail Park Unit Trust		SUBSIDIARY	TIAA European Farmland Fund GP LP	98-1310748	SUBSIDIARY	TGA Connections at Athens Investor Member LLC	83-0780652	SUBSIDIARY
T-C UK RE Holdings III, LLC	81-3299073	SUBSIDIARY	TIAA European Farmland Fund LP	98-1310748	SUBSIDIARY	PEP-TH Athens, LLC	61-1892161	SUBSIDIARY
Thurrock Retail Park Unit Trust		SUBSIDIARY	TEFF Holding S.a.r.l		SUBSIDIARY	PEP Athens, LLC	83-1011298	SUBSIDIARY
T-C U.S. Super Regional Mall Fund LP	47-3148337	SUBSIDIARY	TEFF Investments B.V.		SUBSIDIARY	TGA FC Investor Member LLC		SUBSIDIARY
SRMF Baybrook REIT LLC	83-0977309	SUBSIDIARY	Areal III Spolka z o.o.		SUBSIDIARY	Fenway Center Holding 1-2, LLC	82-2708488	SUBSIDIARY
SRMF Baybrook Investor TRS LLC	83-0990258	SUBSIDIARY	Hodowla Zwierzat Zarodowych Choczewo Spolka z o.o.		SUBSIDIARY	Fenway Center Owner 1-2, LLC	82-2708488	SUBSIDIARY
SRMF Baybrook Investor Member LLC	83-1015425	SUBSIDIARY	Hodowla Zwierzat Zarodowych Wierzuchucino Spolka z o.o.		SUBSIDIARY	TGA European RE Holdings I, LLC	83-2810033	SUBSIDIARY
SRMF La Cantera REIT LLC	83-1028560	SUBSIDIARY	Hodowla Zwierzat Zarodowych Zarnowiec Spolka z o.o.		SUBSIDIARY			
SRMF La Cantera Investor Member LLC	83-1046807	SUBSIDIARY	Dangro Invest SA		SUBSIDIARY	Eagle Partnership SCSp		SUBSIDIARY
SRMF TMIC REIT LLC	83-1059934	SUBSIDIARY	AGRA Spolka z o.o.		SUBSIDIARY	Eagle JVCo S.a.r.l.		SUBSIDIARY
SRMF TMIC Investor Member LLC	83-1070532	SUBSIDIARY	AGAT Spolka z o.o.		SUBSIDIARY	CB Krieau Dzwel GmbH		SUBSIDIARY
SRMF Town Square Investor Member LLC	81-4717093	SUBSIDIARY	AGRAMAX Spolka z o.o.		SUBSIDIARY	Viertel Zwei Entwicklung GmbH & Co Studenthouse KG		SUBSIDIARY
SRMF Town Square Venture LLC		SUBSIDIARY	AGRIFARM Spolka z o.o.		SUBSIDIARY	Eagle Austria Holdings S.a.r.l.		SUBSIDIARY
SRMF Town Square Owner LLC		SUBSIDIARY	AGRO - DUBLINY SP. z o.o.		SUBSIDIARY	Viertel Zwei Entwicklung GmbH & Co Studenthouse KG		SUBSIDIARY
T-C Pearl Reit 2 LLC	47-4447657	SUBSIDIARY	AGROSERVICE Spolka z o.o.		SUBSIDIARY	Studenthouse Rua Manuel Pereira, S.A		SUBSIDIARY
T-C Waterford Blue Lagoon General Partner, LLC	47-5379777	SUBSIDIARY	AMAL Spolka z o.o.		SUBSIDIARY	TGA MKP Member LLC	82-1169084	SUBSIDIARY
Waterford Blue Lagoon LP	47-5392075	SUBSIDIARY	CISY Spolka z o.o.		SUBSIDIARY	TGA MKP Venture LLC	82-1198745	SUBSIDIARY
T-C Waterford Blue Lagoon, LLC	47-5375805	SUBSIDIARY	KOLNO Spolka z o.o.		SUBSIDIARY	TGA MKP REIT LLC	82-1187131	SUBSIDIARY
Waterford Blue Lagoon LP	81-0772154	SUBSIDIARY	MILKOWO Sp. Z o.o.		SUBSIDIARY	TGA Japan Holdings LLC		SUBSIDIARY
Westland At Waterford REIT General Partner LLC	81-0779817	SUBSIDIARY	SEE-AGRO SP. z o.o.		SUBSIDIARY	TGA Japan Holdings Pte Ltd		SUBSIDIARY
Westland At Waterford REIT LP	47-5321319	SUBSIDIARY	SATOPY Spolka z o.o.		SUBSIDIARY	TGA Japan GK Holdings Pte Ltd		SUBSIDIARY
Westland At Waterford General Partner LLC	47-5580924	SUBSIDIARY	Pszenrol SA		SUBSIDIARY			
Westland At Waterford Operating LP	47-5580924	SUBSIDIARY	AGROLAND Spolka z o.o.		SUBSIDIARY	TGA Ginza115 TMK		SUBSIDIARY
Waterford Blue Lagoon REIT General Partner LLC	47-5305678	SUBSIDIARY	AGROPOL Spolka z o.o.		SUBSIDIARY	TGA Ginza 115 Holdings Pte Ltd		SUBSIDIARY
Waterford Blue Lagoon REIT LP	47-5642524	SUBSIDIARY	BUDUS Spolka z o.o.		SUBSIDIARY	TGA Ginza115 TMK		SUBSIDIARY
5201-5301 Waterford General Partner LLC	47-5642524	SUBSIDIARY	CIESZYSLAW SP z o.o.		SUBSIDIARY	TGA Ginza115 ISH		SUBSIDIARY
5201-5301 Waterford Operating LP	47-5541032	SUBSIDIARY	FARMEX Spolka z o.o.		SUBSIDIARY	TGA Montague Investor Member, LLC	81-4232788	SUBSIDIARY
5200 Waterford General Partner LLC	47-5672651	SUBSIDIARY	JASIONNO Spolka z o.o.		SUBSIDIARY	RCD TGA Pierrepont Partners LLC		SUBSIDIARY
5200 Waterford Operating LP	47-5498897	SUBSIDIARY	ROLA Spolka z o.o.		SUBSIDIARY	TGA Montrose Residences Investor Member, LLC	81-3542251	SUBSIDIARY
1000 Waterford General Partner LLC	47-0722154	SUBSIDIARY	ROLPOL Spolka z o.o.		SUBSIDIARY	TGA MS Self Storage Investor Member LLC	83-1916152	SUBSIDIARY
1000 Waterford Operating LP	47-5479437	SUBSIDIARY	SOBIERADZ Spolka z o.o.		SUBSIDIARY	Morningstar NRE Self Storage Portfolio LLC	83-2379583	SUBSIDIARY
703 Waterford General Partner LLC	47-5445045	SUBSIDIARY	TELYN SP. z o.o.		SUBSIDIARY	MSC Tallahassee, LLC		SUBSIDIARY
703 Waterford Operating LP	47-5471474	SUBSIDIARY	TOKARY Sp. z o.o.		SUBSIDIARY	MSC Carolinas, LLC		SUBSIDIARY
701 Waterford General Partner LLC	47-5405436	SUBSIDIARY	TURKUS SP. z o.o.		SUBSIDIARY	MSC Bentonville, LLC		SUBSIDIARY
701 Waterford Operating LP	47-5471474	SUBSIDIARY	WALCHUD Spolka z o.o.		SUBSIDIARY	MSC Dam Storage, LLC		SUBSIDIARY
Waterford Core General Partner LLC	81-0733012	SUBSIDIARY	WEZINY SP. z o.o.		SUBSIDIARY	MSC Yorktown, LLC		SUBSIDIARY
Waterford Core Operating LP	47-5587163	SUBSIDIARY	ZIEMROL Spolka z o.o.		SUBSIDIARY	MSC Greenhouse, LLC		SUBSIDIARY
Waterford Core REIT LP	82-2646233	SUBSIDIARY	LOZICE SP. z o.o.		SUBSIDIARY	MSC Midtown Atlanta, LLC		SUBSIDIARY
Waterford Core REIT General Partner LLC	82-2631273	SUBSIDIARY	Adamas SA		SUBSIDIARY	MSC Midtown Atlanta, LLC		SUBSIDIARY
Waterford Core II General Partner LLC	82-2672297	SUBSIDIARY	JAROSLAWSKO I SP. z o.o.		SUBSIDIARY	MSC South End, LLC		SUBSIDIARY
TGA 127-137 Franklin LLC	82-1645257	SUBSIDIARY	JAROSLAWSKO II SP. z o.o.		SUBSIDIARY	MSC MTP, LLC		SUBSIDIARY
TGA 299 Franklin LLC	81-2769108	SUBSIDIARY	OGARDY SP. z o.o.		SUBSIDIARY	MSC Peachtree, LLC		SUBSIDIARY
TGA 600 College Road LLC	81-3988795	SUBSIDIARY	OPAL SP z o.o.		SUBSIDIARY	MSC Evans Rd, LLC		SUBSIDIARY
TGA 730 Third Avenue Office LLC	83-2957526	SUBSIDIARY	Gospodarstwo Okopy Sp. z o.o.		SUBSIDIARY	MSC Buda, LLC		SUBSIDIARY
TGA 3401 North Ashton Blvd LLC	82-4830474	SUBSIDIARY	Przedsiębiorstwo Rolne Okopy Sp. z o.o.		SUBSIDIARY	MSC Boerne, LLC		SUBSIDIARY
TGA APAC Fund Holdings, LLC	82-2225812	SUBSIDIARY	Agrohop Bellice Sp. z o.o.		SUBSIDIARY	MSC Spring Branch, LLC		SUBSIDIARY
Asia Pacific Cities Fund, FCP	83-2311300	SUBSIDIARY	Agrohop Service Sp. z o.o.		SUBSIDIARY	MSC Highway 521 Storage, LLC		SUBSIDIARY
Asia Pacific Cities Fund, FCP		SUBSIDIARY	Agrohop Bis Sp. z o.o.		SUBSIDIARY			

(34) Thurrock Retail Park Unit Trust is ultimately controlled and owned entirely by TIAA with 99.5% owned by T-C UK RE Holdings III, LLC and 0.5% owned by T-C UK RE Holdings II, LLC.  
(35) Waterford Blue Lagoon LP is controlled by TIAA, and partially owned indirectly by T-C Waterford Blue Lagoon LLC, which owns 50%, and T-C Waterford Blue Lagoon General Partner, LLC, which owns 1%.  
(36) Asia Pacific Cities Fund, FCP is owned 38.6% by TGA APAC Fund Holdings, LLC and 38.6% by TGA Real Estate Fund Holdings, LLC  
(4) TIAA European Farmland Fund GP LP is ultimately controlled and owned entirely by TIAA, with 50% owned by Nuveen Alternative Services, LLC and 50% owned by TEFF Holdco LLC  
(37) Viertel Zwei Entwicklung GmbH & Co Studenthouse KG is controlled by TIAA, and partially owned indirectly by Eagle Austria Holdings S.a.r.l., which owns 94%, and CB Krieau Dzwel GmbH, which owns 6%.  
(38) TGA Ginza115 TMK is ultimately controlled and owned entirely by TIAA, with 51% owned by TGA Japan GK Holdings Pte Ltd and 49% of owned by TGA Ginza 115 Holdings Pte Ltd.

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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

PART 1 - ORGANIZATIONAL CHART

LISTING 3 (CONTINUED):

COMPANY	FEIN	RELATIONSHIP
TGAM Agribusiness Fund LP	81-1994278	SUBSIDIARY
TGAM Agribusiness Fund Holdings LP	82-0646994	SUBSIDIARY
TGA SP-MPC Housing Investor Member LLC	83-2063402	SUBSIDIARY
TGA-SP Housing Venture I LLC	83-2147240	SUBSIDIARY
TGA SP-MPC Housing Venture I LLC	83-2123785	SUBSIDIARY
MPSP Ashwood MHC LLC	83-1869494	SUBSIDIARY
MPSP Ashwood Homes LLC	83-1869400	SUBSIDIARY
MPSP Center Grove MHC LLC	83-1076792	SUBSIDIARY
MPSP Center Grove Homes LLC	83-1088601	SUBSIDIARY
MPSP Fairlane Oaks MHC LLC	83-4241248	SUBSIDIARY
MPSP Fairlane Oaks Homes LLC	83-4260197	SUBSIDIARY
MPSP Fairlane Oaks Lender LLC	83-4283444	SUBSIDIARY
MPSP Lemon Tree MHC LLC	83-1205616	SUBSIDIARY
MPSP Lemon Tree Homes LLC	83-1213262	SUBSIDIARY
MPSP Mobile Gardens MHC LLC	83-1230714	SUBSIDIARY
MPSP Mobile Gardens Homes LLC	83-1230821	SUBSIDIARY
MPSP Shiloh MHC LLC	83-2700544	SUBSIDIARY
MPSP Shiloh Homes LLC	83-2700633	SUBSIDIARY
MPSP Shiloh Lender LLC	83-2725391	SUBSIDIARY
MPSP Stonegate MHC LLC		SUBSIDIARY
MPSP Stonegate Homes LLC		SUBSIDIARY
MPSP Stonegate Lender LLC		SUBSIDIARY
MPSP Windsong MHC LLC	83-2848324	SUBSIDIARY
MPSP Windsong Lender LLC	83-2848439	SUBSIDIARY
TIAA Administrative Services LLC	82-2826163	SUBSIDIARY
TIAA CLO I Ltd		SUBSIDIARY
TIAA CLO I LLC		SUBSIDIARY
TIAA CLO I Holding, LLC	84-1905731	SUBSIDIARY
TIAA CLO II Ltd		SUBSIDIARY
TIAA CLO II LLC		SUBSIDIARY
TIAA CLO II Holding, LLC	84-1921751	SUBSIDIARY
TIAA CLO III Ltd		SUBSIDIARY
TIAA CLO III LLC		SUBSIDIARY
TIAA CLO IV Ltd		SUBSIDIARY
TIAA CLO V Ltd		SUBSIDIARY
TIAA CMBS I, LLC	13-4173396	SUBSIDIARY
TIAA CMBS I Trust	13-4173396	SUBSIDIARY
TIAA Diversified Public Investments, LLC	47-4570655	SUBSIDIARY
TIAA FSB Holdings, Inc.	90-0615674	SUBSIDIARY
Everbank Funding, LLC	59-3531592	SUBSIDIARY
TIAA, FSB		SUBSIDIARY
AMC Holding, Inc.	59-3547521	SUBSIDIARY
Customerone Financial Network, Inc.	43-1823679	SUBSIDIARY
Business Property Lending, Inc.	36-1208070	SUBSIDIARY
Elite Lender Services, Inc.	61-1560018	SUBSIDIARY
Tygris Commercial Financial Group, Inc.	20-0716627	SUBSIDIARY
TIAA Commercial Finance, Inc.	26-2483629	SUBSIDIARY
TIAA GBS Holding LLC	81-1241294	SUBSIDIARY
TIAA GBS Singapore Holding Company Pte. Ltd.		SUBSIDIARY
TIAA Global Business Services (India) Private Limited		SUBSIDIARY

COMPANY	FEIN	RELATIONSHIP
TIAA Global Ag Holdco LLC	27-5551198	SUBSIDIARY
Global Agriculture AIV (US) LLC	45-5044364	SUBSIDIARY
Global Ag Properties USA LLC	45-1531685	SUBSIDIARY
Loma del Rio Vineyards, LLC	80-0843991	SUBSIDIARY
Sugarloaf Vineyard, LLC	46-2577906	SUBSIDIARY
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
Terraviva Brasil Participaco Ltda.		SUBSIDIARY
Tellus Brasil Participaco S.A.		SUBSIDIARY
Agrobio Investimentos e Participações S.A.		SUBSIDIARY
Ceron Participações S.A.		SUBSIDIARY
Nova Ibiajara Propriedades Agrícolas S.A.		SUBSIDIARY
Tellus Bahia Propriedades Agrícolas Ltda.		SUBSIDIARY
Jatobá Propriedades Agrícolas Ltda.		SUBSIDIARY
Terra do Sol Propriedades Agrícolas S.A.		SUBSIDIARY
Terrainvest Propriedades Agrícolas S.A.		SUBSIDIARY
Tparone Participações S.A.		SUBSIDIARY
Tpartwo Participações S.A.		SUBSIDIARY
Toptertwo Agrícola S.A.		SUBSIDIARY
Nova Gaia Brasil Participaco Ltda.	45-1502187	SUBSIDIARY
Terraviva Brasil Participaco Ltda.		SUBSIDIARY
Global Agriculture II AIV (US) LLC	47-1063514	SUBSIDIARY
Global Ag Properties II USA LLC	47-1069783	SUBSIDIARY
TIAA-CREF Global Agriculture II LLC	47-0974399	SUBSIDIARY
Agrícola AG II Limitada		SUBSIDIARY
Global Ag II FFI LLC	47-3459636	SUBSIDIARY
Global Ag Properties II Australia Pty. Ltd.		SUBSIDIARY
Global AG Properties II Australia Trust		SUBSIDIARY
Global Ag Properties II New Zealand LP		SUBSIDIARY
Helios Brasil Participacoes, Ltda.		SUBSIDIARY
Janus Brasil Participacoes, S.A.		SUBSIDIARY
Iris Brasil Participaco Ltda.		SUBSIDIARY
Janus Brasil Participacoes, S.A.		SUBSIDIARY
AGW Empreendimentos e Participações S.A.		SUBSIDIARY
Araucaria Propriedades Agrícolas Ltda		SUBSIDIARY
Aroeira Propriedades Agrícolas Ltda		SUBSIDIARY
Carnauba Propriedades Agrícolas LTDA		SUBSIDIARY
Carvalho Propriedades Agrícolas LTDA		SUBSIDIARY
Cedro Propriedades Agrícolas Ltda		SUBSIDIARY
Companhia Agrícola Botucatu		SUBSIDIARY
Embauba Propriedades Agrícolas Ltda		SUBSIDIARY
Esus Brasil Participações S.A.		SUBSIDIARY
Itauba Propriedades Agrícolas Ltda		SUBSIDIARY
Jacaranda Propriedades Agrícolas LTDA		SUBSIDIARY

COMPANY	FEIN	RELATIONSHIP
TIAA Global Ag Holdco LLC (continued)		
Jequitibá Propriedades Agrícolas Ltda		SUBSIDIARY
Mangueira Propriedades Agrícolas LTDA		SUBSIDIARY
Oiti Propriedades Agrícolas Ltda		SUBSIDIARY
Samambaia Propriedades Agrícolas Ltda		SUBSIDIARY
Seringueira Propriedades Agrícolas Ltda		SUBSIDIARY
Tapia Propriedades Agrícolas Ltda		SUBSIDIARY
TIAA-CREF Global Agriculture II BR, LLC	47-1062423	SUBSIDIARY
TIAA Global Equity Income, LLC	46-2860100	SUBSIDIARY
TIAA GTR HoldCo, LLC	46-3881813	SUBSIDIARY
Global Timber Resources LLC	46-3210500	SUBSIDIARY
Global Timber SA LLC	46-3909387	SUBSIDIARY
Global Timber International LLC	46-3899490	SUBSIDIARY
Global Timber Spain, SL		SUBSIDIARY
Forestal Monterrey Colombia SAS	98-1206384	SUBSIDIARY
Forestal GTR Chile Limitada		SUBSIDIARY
Global Timber Resources Colombia, S.A.S.		SUBSIDIARY
Monte Fresnos Asociacion Agraria de Responsabilidad LTDA		SUBSIDIARY
Monte Fresnos, S.A.		SUBSIDIARY
Taurion Asociacion Agraria de Responsabilidad LTDA		SUBSIDIARY
Taurion, S.A.		SUBSIDIARY
GT Europe Cooperatief U.A.		SUBSIDIARY
GTR Brasil Participacoes Ltda		SUBSIDIARY
Brasilwood Reforestamento S.A.		SUBSIDIARY
Brasilwood Terras Florestais S.A.		SUBSIDIARY
Khaya Woods Investimentos Florestais LTDA		SUBSIDIARY
Mamoneira Agropastoril S.A.		AFFILIATE
Jatoba Brasil Investimentos Florestais Ltda		SUBSIDIARY
Paineira Investimentos Florestais S.A.		SUBSIDIARY
IROPINIA Closed Investment Fund of Non-Public Assets		SUBSIDIARY
EKO Topola Sp. z o.o.		SUBSIDIARY
Brusno Resort Sp. z o.o.		SUBSIDIARY
TIAA Infrastructure Investments, LLC	45-3479281	SUBSIDIARY
730 Interpark, LLC	81-5307354	SUBSIDIARY
Aquila Sonnet LP		AFFILIATE
A-30 Canadian Transport Inc.		SUBSIDIARY
1867 Infrastructure Holdings Inc.		SUBSIDIARY
ACS NA30 Holding Inc.		SUBSIDIARY
Iridium Nouvelle Autoroute 30 Inc.		SUBSIDIARY
Nouvelle Autoroute 30, s.e.n.c.		SUBSIDIARY
TORO/EPP II, LLC	30-0701953	AFFILIATE
I 595 Toll Road, LLC	38-3857916	SUBSIDIARY
I 595 Express, LLC	26-4139252	SUBSIDIARY
North American Sustainable Energy Fund, L.P.		SUBSIDIARY
McCommas Bluff Holdings LLC		AFFILIATE
Dallas Clean Energy, LLC		AFFILIATE
Dallas Clean Energy McCommas Bluff, LLC		AFFILIATE
Energy Power Investment Company, LLC		SUBSIDIARY
EPP New Jersey Biogas, LLC		SUBSIDIARY
EPP New Jersey Solar, LLC		SUBSIDIARY
North American Sustainable Energy Fund GP, LLC	46-5268451	AFFILIATE
North American Sustainable Energy Manager, LLC	61-1734097	AFFILIATE

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

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

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

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

(42) Janus Brasil Participacoes, S.A. is owned 48.9% by Iris Brasil Participaco Ltda. and 0.47% by Helios Brasil Participacoes, Ltda.

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA  
SCHEDULE Y - INFORMATION CONCERNING ACTIVITIES OF INSURER MEMBERS OF A HOLDING COMPANY GROUP  
PART 1 - ORGANIZATIONAL CHART

LISTING 3 (CONTINUED):

COMPANY	FEIN	RELATIONSHIP
TIAA Oil and Gas Investments, LLC	45-2665869	SUBSIDIARY
Actgas, LLC	45-1286237	SUBSIDIARY
Actoil Bakken, LLC	46-3410649	SUBSIDIARY
Triangle Petroleum Corp	98-0430762	AFFILIATE
Actoil Utica, LLC	46-3628993	SUBSIDIARY
TIAA Realty, LLC	11-3519531	SUBSIDIARY
T-C 77 Central LLC	81-0902394	SUBSIDIARY
T-C 680 Belleville LLC	47-2249307	SUBSIDIARY
T-C Port Northwest Development, LLC	46-2678242	SUBSIDIARY
TGA 70 Federal Street LLC	81-3961919	SUBSIDIARY
TIAA RFS, LLC	82-2885306	SUBSIDIARY
TIAA Advisory, LLC	82-2335773	SUBSIDIARY
TIAA-CREF Insurance Agency, LLC	20-2904312	SUBSIDIARY
TIAA SMA Strategies, LLC	81-2755014	SUBSIDIARY
TIAA-Stonepeak Investments I, LLC	45-3029655	SUBSIDIARY
Stonepeak Infrastructure Fund LP	38-3849546	AFFILIATE
TIAA-Stonepeak Investments II, LLC	45-3030923	SUBSIDIARY
Stonepeak GP Holdings LP	30-0696099	SUBSIDIARY
Stonepeak Associates, LLC		SUBSIDIARY
Stonepeak Advisors Holdings LLC	37-1645802	AFFILIATE
Stonepeak Advisors LLC		AFFILIATE
TIAA Super Regional Mall Member Sub, LLC	45-3164600	SUBSIDIARY
T-C Super Regional Mall Venture, LLC	45-3164764	SUBSIDIARY
T-C International Plaza REIT LLC	46-4623586	SUBSIDIARY
T-C International Plaza Investor GP LLC	46-4653326	SUBSIDIARY
T-C International Plaza Investor LP LLC	46-4680948	SUBSIDIARY
Tampa Westshore Associates Limited Partnership	38-3173536	AFFILIATE
T-C Las Vegas Retail REIT LLC	46-2713521	SUBSIDIARY
T-C Las Vegas Retail Investor LLC	46-2726147	SUBSIDIARY
Grand Canal Shoppes Holdings, LLC		AFFILIATE
T-C Midwest REIT, LLC	45-3165203	SUBSIDIARY
T-C Midwest Retail, LLC	45-2211957	SUBSIDIARY
CBL/T-C, LLC		SUBSIDIARY
T-C Montgomery Mall REIT, LLC	45-3164998	SUBSIDIARY
T-C Montgomery Mall, LLC	27-4117159	SUBSIDIARY
Montgomery Mall of Maryland, LLC	95-4658637	SUBSIDIARY
TIAA SynGas, LLC	45-1286386	SUBSIDIARY
730 Catsolar, LLC	13-1624203	SUBSIDIARY
Catalina Solar Lessee Holdco, LLC		SUBSIDIARY
Catalina Solar Lessee, LLC		SUBSIDIARY
SG Solutions, LLC	56-2492641	AFFILIATE
AE Investor II, LLC	27-0195010	SUBSIDIARY
TIAA Wind Investments, LLC	45-4486211	SUBSIDIARY
Capistrano Wind Partners, LLC	45-3743502	AFFILIATE
TIAA-CREF LPHC, LLC	20-8384004	SUBSIDIARY
TCAM DOF GP, LLC	26-3561391	SUBSIDIARY
TIAA-CREF Real Property Fund GP, LLC	46-1191236	SUBSIDIARY
TIAA-CREF Individual & Institutional Services, LLC	55-0856733	SUBSIDIARY
TIAA-CREF Redwood, LLC	20-5591124	SUBSIDIARY
TIAA Endowment & Philanthropic Services, LLC	20-5631854	SUBSIDIARY
CCAP GP, LLC	35-2429521	SUBSIDIARY
TIAA-CREF Tuition Financing, Inc.	13-4026557	SUBSIDIARY
TIAA Union Place Phase I, LLC	20-8892977	SUBSIDIARY
Union Place Phase I, LLC	20-8281443	SUBSIDIARY

COMPANY	FEIN	RELATIONSHIP
UK PPP Investments, LP		SUBSIDIARY
Wigg (Holdings) Limited		SUBSIDIARY
Wigg Investments Limited		SUBSIDIARY
Merseylink (Holdings) Limited		AFFILIATE
Merseylink (Finance) Limited		AFFILIATE
Merseylink Limited		AFFILIATE
Merseylink (Issuer) plc		AFFILIATE
U.S. Cities Retail Fund LP		SUBSIDIARY
U.S. Cities Retail Fund REIT LLC		SUBSIDIARY
U.S. Cities Retail Fund Operating GP LLC		SUBSIDIARY
U.S. Cities Retail Fund Operating LP		SUBSIDIARY
T-C 919 N. Michigan Avenue Retail, LLC	46-0750331	SUBSIDIARY
USCRF KRG JV Investor Member LLC		SUBSIDIARY
KRG – USCRF Retail Portfolio LLC		SUBSIDIARY
U.S. Core-Plus Real Estate Debt Fund LP	82-3988257	SUBSIDIARY
CRED REIT LLC	82-3760575	SUBSIDIARY
CRED REIT Holdco LLC	47-1938723	SUBSIDIARY
CRED REIT Holdco Seller LLC	83-2024014	SUBSIDIARY
CRED REIT Holdco TRS LLC	81-1392434	SUBSIDIARY
CRED Sawtelle LLC	83-2267896	SUBSIDIARY
CRED Slabtown LLC	83-3184088	SUBSIDIARY
CRED West Coast Industrial LLC	83-4107560	SUBSIDIARY
WRC Properties, LLC	51-0141732	SUBSIDIARY
Stichting Bewaarder Ziezia Fund		AFFILIATE

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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
1216	Teachers Insurance and Annuity Association of America	69345	13-6110585	3792687			TIAA Board of Overseers	NY	UDP					N	
			13-1624203	1607170	315038		Teachers Insurance and Annuity Association of America	NY		TIAA Board of Overseers	Ownership	100.000	TIAA Board of Overseers	N	
			45-2401857	4618298			730 Holdings, LLC	DE	NIA	TIAA Board of Overseers	Ownership	100.000	TIAA Board of Overseers	N	
			13-6022042		777535		College Retirement Equities Fund	NY	NIA	CREF Board of Overseers	Board		CREF Board of Overseers	N	
1216	Teachers Insurance and Annuity Association of America	60142	13-3917848	4314415	1429401		TIAA-CREF Life Insurance Company	NY	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			47-1595484	4747826			Nuveen, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			81-3407371	5042621			Nuveen Services, LLC	DE	DS	Nuveen, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			13-3905273	4599865			TIAA-CREF Asset Management, LLC	DE	DS	Nuveen, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-1272900	4952732			L&C Special Member Holdco, LLC	DE	DS	TIAA-CREF Asset Management, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-3889185	4866932			GTR Special Member Holdco LLC	DE	DS	TIAA-CREF Asset Management, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			13-3752992	4313230	923530		Teachers Personal Investors Services, Inc.	DE	DS	TIAA-CREF Asset Management, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-4374969				TIAA International GP LLC	DE	DS	TIAA-CREF Asset Management, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			13-3586142	4314303	887793		TIAA-CREF Investment Management, LLC	DE	DS	TIAA-CREF Asset Management, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-3870972	4716541			Nuveen Alternative Holdings, LLC	DE	DS	TIAA-CREF Asset Management, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-1467545	4974190			AGR Partners LLC	DE	DS	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			36-4853278				AGR Services LLC	DE	DS	Nuveen Alternative Holdings, LLC	Ownership	1.000	TIAA Board of Overseers	N	100
			36-4853278				AGR Services LLC	DE	DS	AGR Partners LLC	Ownership	99.000	TIAA Board of Overseers	N	100
							Nuveen Agribusiness Fund III GP, LLC	DE	DS	AGR Partners LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-1870559	5010657			TGAM Agribusiness Fund GP LLC	DE	DS	AGR Partners LLC	Ownership	100.000	TIAA Board of Overseers	N	
			45-5558395	4724096			Beaver Investments Holdings, LLC	DE	DS	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			80-0026976	4724108	1392090		GreenWood Resources, Inc.	DE	DS	Beaver Investments Holdings, LLC	Ownership	88.000	TIAA Board of Overseers	N	
				4961006			Greenwood Resources Brasil, Ltda.	BRA	DS	GreenWood Resources, Inc.	Ownership	1.000	TIAA Board of Overseers	N	200
			45-1875074	4724153			GreenWood Resources Capital Management, LLC	DE	DS	GreenWood Resources, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			20-8501127	4868413			GTFE GP, LLC	DE	DS	GreenWood Resources, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			20-8955976	4867863			GWR-GTFE Investment, LLC	DE	DS	GreenWood Resources, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
				4724144			GWR International Ltd.	VGB	DS	GreenWood Resources, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			20-3188681	4724386			GWR China Ltd.	VGB	DS	GWR International Ltd.	Ownership	100.000	TIAA Board of Overseers	N	
			98-0595429	4868338			GreenWood Resources China Ltd.	HKG	DS	GWR China Ltd.	Ownership	100.000	TIAA Board of Overseers	N	
				4724377			GWR SA, Ltd.	VGB	DS	GWR International Ltd.	Ownership	100.000	TIAA Board of Overseers	N	
				4724395			GreenWood Resources Chile, S.A.	CHL	DS	GreenWood Resources SA, Ltd.	Ownership	95.000	TIAA Board of Overseers	N	
			98-1016332	4868392			GWR Europe Ltd.	GBR	DS	GWR International Ltd.	Ownership	100.000	TIAA Board of Overseers	N	
			98-1016335	4868404			GreenWood Resources Poland sp Z.o.o.	POL	DS	GWR Europe Ltd.	Ownership	100.000	TIAA Board of Overseers	N	
			47-4557075	4887580			GWR Property Management International, LLC	DE	DS	GreenWood Resources, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
				4961006			Greenwood Resources Brasil, Ltda.	BRA	DS	GWR Property Management International, LLC	Ownership	99.000	TIAA Board of Overseers	N	200
							GWR Uruguay S.A.	URY	DS		Ownership	100.000	TIAA Board of Overseers	N	
				4796600			Greenwood Resources Colombia SAS	COL	DS	GreenWood Resources, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			47-3158644	4844369			Churchill Asset Management LLC	DE	DS	Nuveen Alternative Holdings, LLC	Ownership	75.000	TIAA Board of Overseers	N	
			36-4851864	5083688			CAM HR Resources LLC	DE	DS	Nuveen Alternative Holdings, LLC	Ownership	1.000	TIAA Board of Overseers	N	300
			36-4851864	5083688			CAM HR Resources LLC	DE	DS	Churchill Asset Management LLC	Ownership	99.000	TIAA Board of Overseers	N	300
			82-3187734				Churchill Agency Services LLC	DE	DS	Churchill Asset Management LLC	Ownership	75.000	TIAA Board of Overseers	N	
							Churchill Feeder Fund GP II S.a.r.l.	LUX	DS	Churchill Asset Management LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-1177850				Churchill Fund GP II LLC	DE	DS	Churchill Asset Management LLC	Ownership	100.000	TIAA Board of Overseers	N	
			98-1449979				Churchill Fund GP II Sarl	LUX	DS	Churchill Asset Management LLC	Ownership	100.000	TIAA Board of Overseers	N	
			82-0735838				Churchill Special Member LLC	DE	DS	Churchill Asset Management LLC	Ownership	100.000	TIAA Board of Overseers	N	
			82-3784145				Churchill Warehouse LLC	DE	DS	Churchill Asset Management LLC	Ownership	100.000	TIAA Board of Overseers	N	
							Nuveen Churchill Administration LLC	DE	DS	Churchill Asset Management LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-1817732	5041615			TGAM Churchill Fund GP LLC	DE	DS	Churchill Asset Management LLC	Ownership	100.000	TIAA Board of Overseers	N	
			45-5044435	4867658			Global AG AIV (CN) GP, LLC	DE	DS	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			45-5044681	4867667			Global Agriculture AIV (CN), LP	DE	DS	Global AG AIV (CN) GP, LLC	Management		TIAA Board of Overseers	N	

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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
			47-1192644	4753564			Global Ag II AIV GP LLC	DE	DS	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-1197292	4754776			Global Agriculture II AIV, LP	DE	DS	Global Ag II AIV GP LLC	Management		TIAA Board of Overseers	N	
			47-1208275	4757030			Global Ag II US Corp.	DE	DS	Global Agriculture II AIV, LP	Management		TIAA Board of Overseers	N	
			47-1069783	4755438			Global Ag Properties II USA LLC	DE	DS	Global Ag II US Corp.	Management		TIAA Board of Overseers	N	
			81-3394580	5040560			Oakville 38 Vineyard, LLC	DE	DS	Global Ag Properties II USA LLC	Management		TIAA Board of Overseers	N	
			47-3001338	4843308			Sugarloaf East Vineyard, LLC	DE	DS	Global Ag Properties II USA LLC	Management		TIAA Board of Overseers	N	
			47-4945982	4904254			True Oak Napa Vineyard, LLC	DE	DS	Global Ag Properties II USA LLC	Management		TIAA Board of Overseers	N	
			47-1208361	4866969			GTR Investor Fund GP LLC	DE	DS	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-2245173				NAP Investors GP, LLC	DE	DS	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
							NCBDC Holdings LLC	DE	DS	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
							Nuveen Churchill Advisors LLC	DE	DS	NCBDC Holdings LLC	Ownership	100.000	TIAA Board of Overseers	N	
			45-4288013	4866941			Nuveen Alternatives Advisors, LLC	DE	DS	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
							TPS Investors GP, LLC	DE	DS	Nuveen Alternatives Advisors, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			45-4288091	4801858			Nuveen Alternatives Services, LLC	DE	DS	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
				5041697			GAP II NZ GP Limited	NZL	DS	Nuveen Alternatives Services, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			98-1310748	5041660			TIAA European Farmland Fund GP LP	CYM	DS	Nuveen Alternatives Services, LLC	Ownership	50.000	TIAA Board of Overseers	N	400
			47-1515836	4802819			TCAS Global Investments LLC	DE	DS	Nuveen Alternatives Services, LLC	Ownership	100.000	TIAA Board of Overseers	N	
							Nuveen Global Farmland Fund GP, LLC	DE	DS	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
							Nuveen Global Farmland Fund, LP	DE	DS	Nuveen Global Farmland Fund GP, LLC	Ownership	100.000	TIAA Board of Overseers	N	
							Nuveen Global Farmland Fund Lux, LP	DE	DS	Nuveen Global Farmland Fund, LP	Ownership	100.000	TIAA Board of Overseers	N	
							Global Farmland US Holdco, LLC	DE	DS	Nuveen Global Farmland Fund, LP	Ownership	100.000	TIAA Board of Overseers	N	
							Global Farmland US Properties, LLC	DE	DS	Nuveen Global Farmland Fund, LP	Ownership	100.000	TIAA Board of Overseers	N	
							US Horticulture Farmland, LLC	DE	DS	Global Farmland US Properties, LLC	Ownership	100.000	TIAA Board of Overseers	N	
							US Row Farmland, LLC	DE	DS	Global Farmland US Properties, LLC	Ownership	100.000	TIAA Board of Overseers	N	
							US Viticulture Farmland, LLC	DE	DS	Global Farmland US Properties, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			26-2719001	4313155			Nuveen International Holdings LLC	DE	DS	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
				4843296			Nuveen Australia Pty Ltd	AUS	DS	Nuveen International Holdings LLC	Ownership	100.000	TIAA Board of Overseers	N	
							Nuveen Canada Company	CAN	DS	Nuveen International Holdings LLC	Ownership	100.000	TIAA Board of Overseers	N	
							Nuveen Investments Canada Co.	CAN	DS	Nuveen International Holdings LLC	Ownership	100.000	TIAA Board of Overseers	N	
							Nuveen Japan Co., Limited	JPN	DS	Nuveen International Holdings LLC	Ownership	100.000	TIAA Board of Overseers	N	
				5040579			Nuveen UK, Limited	GBR	DS	Nuveen International Holdings LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-4349631	5079083			TGAM Subsidiary HC LLC	DE	DS	Nuveen International Holdings LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-4290269	5079104			TGAM APAC LLC	DE	DS	TGAM Subsidiary HC LLC	Ownership	33.300	TIAA Board of Overseers	N	500
			81-4323796	5083718			TGAM HK HC LLC	DE	DS	TGAM APAC LLC	Ownership	25.000	TIAA Board of Overseers	N	600
				4908355			Nuveen Hong Kong Limited	HKG	DS	TGAM HK HC LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-4306975	5079113			TGAM Asia LLC	DE	DS	TGAM Subsidiary HC LLC	Ownership	33.300	TIAA Board of Overseers	N	700
			81-4323796	5083718			TGAM HK HC LLC	DE	DS	TGAM Asia LLC	Ownership	25.000	TIAA Board of Overseers	N	600
			81-4499397	5079122			TIAA International APAC LLC	DE	DS	TGAM Subsidiary HC LLC	Ownership	33.300	TIAA Board of Overseers	N	800
			81-4323796	5083718			TGAM HK HC LLC	DE	DS	TIAA International APAC LLC	Ownership	25.000	TIAA Board of Overseers	N	600
			81-4359164	5079131			TIAA International Asia LLC	DE	DS	TGAM Subsidiary HC LLC	Ownership	33.300	TIAA Board of Overseers	N	900
			81-4323796	5083718			TGAM HK HC LLC	DE	DS	TIAA International Asia LLC	Ownership	25.000	TIAA Board of Overseers	N	600
			81-4390558	5079092			TIAA International Subsidiary HC LLC	DE	DS	Nuveen International Holdings LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-4290269	5079104			TGAM APAC LLC	DE	DS	TIAA International Subsidiary HC LLC	Ownership	33.300	TIAA Board of Overseers	N	500
			81-4306975	5079113			TGAM Asia LLC	DE	DS	TIAA International Subsidiary HC LLC	Ownership	33.300	TIAA Board of Overseers	N	700
			81-4499397	5079122			TIAA International APAC LLC	DE	DS	TIAA International Subsidiary HC LLC	Ownership	33.300	TIAA Board of Overseers	N	800
			81-4359164	5079131			TIAA International Asia LLC	DE	DS	TIAA International Subsidiary HC LLC	Ownership	33.300	TIAA Board of Overseers	N	900
			81-4290269	5079104			TGAM APAC LLC	DE	DS	Nuveen International Holdings LLC	Ownership	33.300	TIAA Board of Overseers	N	500
			81-4306975	5079113			TGAM Asia LLC	DE	DS	Nuveen International Holdings LLC	Ownership	33.300	TIAA Board of Overseers	N	700
			81-4499397	5079122			TIAA International APAC LLC	DE	DS	Nuveen International Holdings LLC	Ownership	33.300	TIAA Board of Overseers	N	800
			81-4359164	5079131			TIAA International Asia LLC	DE	DS	Nuveen International Holdings LLC	Ownership	33.300	TIAA Board of Overseers	N	900
			46-5367344	4747170			TCGA BT AIV, LLC	DE	DS	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			45-5139523	4867368			TCGA Investor Fund GP, LLC	DE	DS	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-3511076	4843278			TCGA II Investor Fund GP, LLC	DE	DS	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-3126089	4847388			T-C U.S. Super Regional Mall Fund GP LLC	DE	DS	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	



STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

**SCHEDULE Y**

**PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
			81-4330570 06-1217855	4680325			TGAM International GP LLC Nuveen Real Estate Property Holdings L.L.C.	DE DE	DS DS	Nuveen Alternative Holdings, LLC Nuveen Alternative Holdings, LLC Nuveen Real Estate Property Holdings L.L.C.	Ownership Ownership	100.000 100.000	TIAA Board of Overseers TIAA Board of Overseers	N N	
			06-1384746	4900359			Casa Grande Investments I, LLC	DE	DS	Nuveen Real Estate Property Holdings L.L.C.	Ownership	100.000	TIAA Board of Overseers	N	
			01-0588041	4900386			Casa Grande Investments II, LP	IL	DS	Nuveen Real Estate Property Holdings L.L.C.	Ownership	100.000	TIAA Board of Overseers	N	
			30-0794692	4683559			Casa Partners VI GP, LLC	DE	DS	Nuveen Real Estate Property Holdings L.L.C.	Ownership	100.000	TIAA Board of Overseers	N	
			47-5190671	4912772			Casa Partners VII GP, LLC	DE	DS	Nuveen Real Estate Property Holdings L.L.C.	Ownership	100.000	TIAA Board of Overseers	N	
			82-4363605				CASA Partners VIII GP, LLC	DE	DS	Nuveen Real Estate Property Holdings L.L.C.	Ownership	100.000	TIAA Board of Overseers	N	
			36-4477806	4681797			Global Investors GP, L.L.C.	DE	DS	Nuveen Real Estate Property Holdings L.L.C.	Ownership	100.000	TIAA Board of Overseers	N	
			20-2537749	4681809			Global Investors GP II, L.L.C.	DE	DS	Nuveen Real Estate Property Holdings L.L.C.	Ownership	100.000	TIAA Board of Overseers	N	
			20-3070768	4681818			Global Investors GP IV, L.L.C. Nuveen Real Estate NYC Property Fund GP Member LLC	DE DE	DS DS	Nuveen Real Estate Property Holdings L.L.C. Nuveen Alternative Holdings, LLC Nuveen Real Estate NYC Property Fund GP Member LLC	Ownership Ownership	100.000 100.000	TIAA Board of Overseers TIAA Board of Overseers	N N	
			82-4266474				New York City Property Fund GP LLC	DE	DS	New York City Property Fund GP LLC	Ownership	50.000	TIAA Board of Overseers	N	
			82-4213248				New York City Property Fund (T) LP	DE	DS	New York City Property Fund (T) LP	Ownership	100.000	TIAA Board of Overseers	N	
			83-2335230				NYC Property Fund (T) Blocker 1, LLC	DE	DS	NYC Property Fund (T) LP	Ownership	100.000	TIAA Board of Overseers	N	
			83-4678924				New York City Property Fund LP	DE	DS	New York City Property Fund GP LLC	Ownership	100.000	TIAA Board of Overseers	N	
			82-4183425				NYC Property Fund Pooling LP	DE	DS	New York City Property Fund LP	Ownership	100.000	TIAA Board of Overseers	N	
			83-4671194				NYC Property Fund SPV 1 LLC	DE	DS	NYC Property Fund Pooling LP	Ownership	100.000	TIAA Board of Overseers	N	
			83-4653622				NYC Property Fund SPV 2 LLC	DE	DS	NYC Property Fund Pooling LP	Ownership	100.000	TIAA Board of Overseers	N	
			83-4701919				Nuveen Real Estate Global LLC	DE	DS	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-4262460	5079074			Nuveen Real Estate Global Cities Advisors LLC	DE	DS	Nuveen Real Estate Global LLC	Ownership	100.000	TIAA Board of Overseers	N	
			82-3426937				Nuveen Global Investments LLC	DE	DS	Nuveen Real Estate Global LLC	Ownership	100.000	TIAA Board of Overseers	N	
			26-2748598	4601487			Nuveen GP Holding Company LLC	DE	DS	Nuveen Real Estate Global LLC	Ownership	100.000	TIAA Board of Overseers	N	
			82-2986445				Nuveen CRED GP Member LLC	DE	DS	Nuveen GP Holding Company LLC	Ownership	100.000	TIAA Board of Overseers	N	
			82-4598778				CRED GP LLC	DE	DS	Nuveen CRED GP Member LLC	Ownership	100.000	TIAA Board of Overseers	N	
			82-3751720				U.S. Cities Retail Fund GP LLC	DE	DS	Nuveen GP Holding Company LLC	Ownership	100.000	TIAA Board of Overseers	N	
			82-4054235				U.S. Cities Multifamily Fund GP LLC	DE	DS	Nuveen GP Holding Company LLC	Ownership	100.000	TIAA Board of Overseers	N	
							U.S. Cities Multifamily Fund LP	DE	DS	U.S. Cities Multifamily Fund GP LLC	Ownership	100.000	TIAA Board of Overseers	N	
							U.S. Cities Multifamily Fund REIT LLC	DE	DS	U.S. Cities Multifamily Fund LP	Ownership	100.000	TIAA Board of Overseers	N	
							U.S. Cities Multifamily Fund Operating GP LLC	DE	DS	U.S. Cities Multifamily Fund REIT LLC	Ownership	100.000	TIAA Board of Overseers	N	
							U.S. Cities Multifamily Fund Operating LP	DE	DS	U.S. Cities Multifamily Fund REIT LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-2344355				USCMF Avion on Legacy LLC	DE	DS	U.S. Cities Multifamily Fund Operating LP	Ownership	100.000	TIAA Board of Overseers	N	
			83-2434879				USCMF Boulder Creek LLC	DE	DS	U.S. Cities Multifamily Fund Operating LP	Ownership	100.000	TIAA Board of Overseers	N	
			83-2486856				USCMF District at Washington LLC	DE	DS	U.S. Cities Multifamily Fund Operating LP	Ownership	100.000	TIAA Board of Overseers	N	
			83-2447368				USCMF Gramercy at Buckhead LLC	DE	DS	U.S. Cities Multifamily Fund Operating LP	Ownership	100.000	TIAA Board of Overseers	N	
			83-2531960				USCMF Marshall Park LLC	DE	DS	U.S. Cities Multifamily Fund Operating LP	Ownership	100.000	TIAA Board of Overseers	N	
			83-2409099				USCMF Metro 112 LLC	DE	DS	U.S. Cities Multifamily Fund Operating LP	Ownership	100.000	TIAA Board of Overseers	N	
			83-2422984				USCMF Stoneledge LLC	DE	DS	U.S. Cities Multifamily Fund Operating LP	Ownership	100.000	TIAA Board of Overseers	N	
			83-2515243				USCMF The Matisse LLC	DE	DS	U.S. Cities Multifamily Fund Operating LP	Ownership	100.000	TIAA Board of Overseers	N	
			83-2459693				USCMF The Reserve at Tysons Corner LLC	DE	DS	U.S. Cities Multifamily Fund Operating LP	Ownership	100.000	TIAA Board of Overseers	N	
			81-5466713	5157909			Nuveen Permian Investor Asset Manager Member LLC	DE	DS	Nuveen Real Estate Global LLC	Ownership	100.000	TIAA Board of Overseers	N	

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
			82-0631410				Permian Investor Asset Manager LLC	.DE	.DS	Nuveen Permian Investor Asset Manager	Ownership	50.000	TIAA Board of Overseers	.N	
			82-0607358	5137929			Nuveen Permian Investor GP Member LLC	.DE	.DS	Nuveen Real Estate Global LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			81-5433582	5140303			Permian Investor GP LLC	.DE	.DS	Nuveen Permian Investor GP Member LLC	Ownership	50.000	TIAA Board of Overseers	.N	
			98-1162850	4617620			TIAA International Holdings 1 Limited	.GBR	.DS	Nuveen Real Estate Global LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			98-1163394	4617639			TIAA International Holdings 2 Limited	.GBR	.DS	Nuveen Real Estate Global LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			98-1163894	4618074			TIAA International Holdings 3 Limited	.GBR	.DS	TIAA International Holdings 2 Limited	Ownership	100.000	TIAA Board of Overseers	.N	
			98-1125673	4617705			Nuveen Real Estate Limited	.GBR	.DS	TIAA International Holdings 3 Limited	Ownership	99.000	TIAA Board of Overseers	.N	1000
			98-1125673	4617705			Nuveen Real Estate Limited	.GBR	.DS	TIAA International Holdings 1 Limited	Ownership	1.000	TIAA Board of Overseers	.N	1000
			98-1127648	4618195			Nuveen Administration Ltd	.GBR	.DS	Nuveen Real Estate Limited	Ownership	100.000	TIAA Board of Overseers	.N	
			98-1128905	4618216			Nuveen Europe Holdings Limited	.GBR	.DS	Nuveen Real Estate Limited	Ownership	100.000	TIAA Board of Overseers	.N	
				4715955			Henderson European Retail Property Fund Management Sarl	.LUX	.DS	Nuveen Europe Holdings Limited	Ownership	94.900	TIAA Board of Overseers	.N	
							Nuveen Alternatives Europe S.à.r.l	.LUX	.DS	Nuveen Europe Holdings Limited	Ownership	100.000	TIAA Board of Overseers	.N	
							Nuveen Asset Management Europe S.à.r.l	.LUX	.DS	Nuveen Europe Holdings Limited	Ownership	100.000	TIAA Board of Overseers	.N	
				4715937			Nuveen Fund (Europe) Management Sarl	.LUX	.DS	Nuveen Europe Holdings Limited	Ownership	100.000	TIAA Board of Overseers	.N	
				4716756			Nuveen Fund Management (Jersey) Limited	.JEY	.DS	Nuveen Europe Holdings Limited	Ownership	100.000	TIAA Board of Overseers	.N	
							Nuveen Fund Management Vanquish (Jersey) Limited	.JEY	.DS	Nuveen Fund Management (Jersey) Limited	Ownership	100.000	TIAA Board of Overseers	.N	
				4841331			Nuveen Fund Management Vanquish II (Jersey) Limited	.JEY	.DS	Nuveen Fund Management (Jersey) Limited	Ownership	100.000	TIAA Board of Overseers	.N	
				4841322			Asia Pacific Cities Management Sarl	.LUX	.DS	Nuveen Europe Holdings Limited	Ownership	100.000	TIAA Board of Overseers	.N	
				4715964			Nuveen Management AIFM Limited	.GBR	.DS	Nuveen Europe Holdings Limited	Ownership	100.000	TIAA Board of Overseers	.N	
				4716774			Nuveen Management Company (Luxembourg) No 1 Sarl	.LUX	.DS	Nuveen Europe Holdings Limited	Ownership	94.900	TIAA Board of Overseers	.N	
				4715946			Nuveen Property Management (Jersey) Limited	.JEY	.DS	Nuveen Europe Holdings Limited	Ownership	100.000	TIAA Board of Overseers	.N	
			98-1128787	4618243			Nuveen FCACO Ltd	.GBR	.DS	Nuveen Real Estate Limited	Ownership	100.000	TIAA Board of Overseers	.N	
				4716783			Nuveen Real Estate Management Ltd	.GBR	.DS	Nuveen FCACO Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4716868			Nuveen Shopping Centre Verwaltungs GmbH	.DEU	.DS	Nuveen Real Estate Management Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
			98-0582851	4313182			TIAA-CREF Asset Management UK Limited	.GBR	.DS	Nuveen FCACO Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
			98-1127632	4618261			Nuveen Group Holdings Ltd	.GBR	.DS	Nuveen Real Estate Limited	Ownership	100.000	TIAA Board of Overseers	.N	
				4715900			AREFM (BVI) Limited		.DS	Nuveen Group Holdings Ltd	Influence		TIAA Board of Overseers	.N	
				4715311			CLOF II (GP) Limited	.GBR	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				5154010			CLOF II Vanquish Limited	.JEY	.DS	CLOF II (GP) Limited	Ownership	100.000	TIAA Board of Overseers	.N	
				4715263			CLOF II (No 1 GP) Limited	.GBR	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4841304			CLOF II (No1 Nominee) Limited	.GBR	.DS	CLOF II (No 1 GP) Limited	Ownership	100.000	TIAA Board of Overseers	.N	
				4715281			CLOF II (No 2 GP) Limited	.GBR	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
			98-1165678	4715302			CLOF II (No 3 GP) Limited	.GBR	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4908328			Enhanced Debt Carry (GP) Sarl	.LUX	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4971863			Enhanced Debt Carry SCSp	.LUX	.DS	Enhanced Debt Carry (GP) Sarl	Ownership	100.000	TIAA Board of Overseers	.N	
				5147003			ERES APAC II (GP) S.à.r.l	.LUX	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4949116			European Cities Partnership (GP) S.à.r.l.	.LUX	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
							European Cities Partnership SCSp	.LUX	.DS	European Cities Partnership (GP) S.à.r.l.	Influence		TIAA Board of Overseers	.N	1100
				4715227			Henderson Joint Ventures Property Funds Management Sarl	.LUX	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4841247			Islazul General Partner Sarl	.LUX	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4715245			Matador LP General Partner Limited	.GBR	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4715366			Nuveen Beteiligung Verwaltungs GmbH	.DEU	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4715898			Nuveen Immobilien GmbH	.DEU	.DS	Nuveen Group Holdings Ltd	Influence		TIAA Board of Overseers	.N	
							Anglo-Sino Henderson Investment Consultancy (Beijing) Co Limited	.CHN	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4844015			Nuveen Consulting (Shanghai) Co Ltd	.CHN	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4912763			Nuveen Management Austria GmbH	.AUT	.DS	Nuveen Group Holdings Ltd	Ownership	65.000	TIAA Board of Overseers	.N	
				4715357											

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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Loca-tion	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
				4841256			Nuveen Management Finland Oy	.FIN	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
							Nuveen Real Estate Debt Partners (GP) Sarl	.LUX	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				5134816			Nuveen Real Estate Debt Partners II (GP) S.à.r.l	.LUX	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
							Global Real Estate Debt Partners Fund II (UK) SCSp	.LUX	.DS	Nuveen Real Estate Debt Partners II (GP) S.à.r.l	Influence		TIAA Board of Overseers	.N	1200
				4715348			Nuveen Real Estate Nominees Limited	.GBR	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4715919			Nuveen Singapore Private Limited	.SGP	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4715254			OMP (GP) Limited	.GBR	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4901235			T-C Lux Investments GP Sarl	.LUX	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4841265			Nuveen Real Estate (Australia) Ltd.	.AUS	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4715236			Nuveen (France) SAS	.FRA	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
							TH Real Estate Limited	.GBR	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4908337			TH Real Estate PELV GP Sarl	.LUX	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
							Nuveen Corporate Secretarial Services Limited	.GBR	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4747059			Nuveen Italy Srl	.ITA	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4901244			Nuveen Operations Limited	.GBR	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
			98-1014834	4747152			TIAA-CREF Luxembourg S.à.r.l.	.LUX	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4617675			Tokyo Multifamily GP PTE Ltd	.LUX	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4715272			UK OM (LP1) (GP) Limited	.GBR	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4841292			UK OM (LP1) Limited	.GBR	.DS	UK OM (LP1) (GP) Limited	Ownership	100.000	TIAA Board of Overseers	.N	
				4715290			UK OM (LP2) (GP) Limited	.GBR	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4841283			UK OM (LP2) Limited	.GBR	.DS	UK OM (LP2) (GP) Limited	Ownership	100.000	TIAA Board of Overseers	.N	
				4715320			UK OM (LP3) (GP) Limited	.GBR	.DS	Nuveen Group Holdings Ltd	Ownership	100.000	TIAA Board of Overseers	.N	
				4841274			UK OM (LP3) Limited	.GBR	.DS	UK OM (LP3) (GP) Limited	Ownership	100.000	TIAA Board of Overseers	.N	
							Nuveen Real Estate U.S. Strategic Industrial Fund I GP, LLC	.DE	.DS	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			81-2388576	5193381			TIAA Global Ag Special Member LLC	.DE	.DS	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			45-1532009	4801867			Global Agriculture AIV, LLC	.DE	.DS	TIAA Global Ag Special Member LLC	Management		TIAA Board of Overseers	.N	
			45-1502502	4801885			Global AG US Corp.	.DE	.DS	Global Agriculture AIV, LLC	Ownership	56.500	TIAA Board of Overseers	.N	
			45-1502684	4867845			TIAA Global Ag II Special Member LLC	.DE	.DS	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			81-1749609	4843287			TPS Investors Carry-Co, LLC	.DE	.DS	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			82-2126174				U.S. Cities Fund GP, LLC	.DE	.DS	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			20-1394681	4314255			U.S. Cities Industrial CPF Fund GP LLC	.DE	.DS	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			81-3647870	5116607			U.S. Cities Industrial Fund GP LLC	.DE	.DS	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
							U.S. Cities Industrial Fund LP	.DE	.DS	U.S. Cities Industrial Fund GP LLC	Ownership	100.000	TIAA Board of Overseers	.N	
							U.S. Cities Industrial Fund REIT LLC	.DE	.DS	U.S. Cities Industrial Fund LP	Ownership	100.000	TIAA Board of Overseers	.N	
							U.S. Cities Industrial Fund Operating GP LLC	.DE	.DS	U.S. Cities Industrial Fund REIT LLC	Ownership	100.000	TIAA Board of Overseers	.N	
							U.S. Cities Industrial Fund Operating LP	.DE	.DS	U.S. Cities Industrial Fund REIT LLC	Ownership	100.000	TIAA Board of Overseers	.N	
							USCIF Tri City Industrial LLC	.DE	.DS	U.S. Cities Industrial Fund Operating LP	Ownership	100.000	TIAA Board of Overseers	.N	
			81-3698954	5116616			U.S. Cities Multifamily CPF Fund GP LLC	.DE	.DS	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			81-3734470	5116625			U.S. Cities Office CPF Fund GP LLC	.DE	.DS	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			81-3493929	5057652			U.S. Cities Retail CPF Fund GP LLC	.DE	.DS	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
							Westchester Group Investment Management Holding Company, Inc.	.DE	.DS	Nuveen Alternative Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
							Westchester Group Investment Management, Inc.	.DE	.DS	Westchester Group Investment Management Holding Company, Inc.	Ownership	90.000	TIAA Board of Overseers	.N	
							International Agricultural Management, LLC	.DE	.DS	Westchester Group Investment Management, Inc.	Ownership	50.000	TIAA Board of Overseers	.N	
										Westchester Group Investment Management, Inc.	Management		TIAA Board of Overseers	.N	
			87-0735518	4746977			Plata Wine Partners, LLC	.CA	.DS	Inc.			TIAA Board of Overseers	.N	

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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Loca-tion	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
			26-2747489	4634038			Premiere Agricultural Management International, LLC	DE	DS	Westchester Group Investment Management, Inc.	Ownership	86.700	TIAA Board of Overseers	N	
			37-1261935	4617693			Terra Land Co.	IL	DS	Westchester Group Investment Management, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			37-6589484	4747200			The Plata Wine Partners Trust	CA	DS	Westchester Group Investment Management, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			37-1193972	4618122			Westchester Group Asset Management, Inc.	IL	DS	Westchester Group Investment Management, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			37-1193973	4618186			Westchester Group Farm Management, Inc.	IL	DS	Westchester Group Investment Management, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
				4618207			Westchester Group of Australia Pty Ltd.	AUS	DS	Westchester Group Investment Management, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
				4794482			Westchester Group of Europe Ltd.	GBR	DS	Westchester Group Investment Management, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
				4914730			Westchester Group SRL	ROU	DS	Westchester Group of Europe Ltd.	Ownership	99.000	TIAA Board of Overseers	N	1300
							Westchester Group of Poland Sp. Z.o.o.	POL	DS	Westchester Group of Europe Ltd.	Ownership	100.000	TIAA Board of Overseers	N	
							Westchester Group SRL	ROU	DS	Westchester Group of Poland Sp. Z.o.o.	Ownership	1.000	TIAA Board of Overseers	N	1300
			37-1194491	4618225			Westchester Group Real Estate, Inc.	IL	DS	Westchester Group Investment Management, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
							Westchester Group South America Gestao de Investimentos Ltda.	BRA	DS	Westchester Group Real Estate, Inc.	Ownership	1.000	TIAA Board of Overseers	N	1400
							Westchester Group South America Gestao de Investimentos Ltda.	BRA	DS	Westchester Group Investment Management, Inc.	Ownership	99.000	TIAA Board of Overseers	N	1400
			47-1563437	4749941			Nuveen Finance, LLC	DE	DS	Nuveen, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-3425820	5110025			Nuveen Holdings 1, Inc.	DE	DS	Nuveen Finance, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			26-0373324	4767758			Nuveen Holdings, Inc.	DE	DS	Nuveen Holdings 1, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			36-3817266	3707551	885708		Nuveen Investments, Inc.	DE	DS	Nuveen Holdings, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			26-0627593	4774710			Gresham Asset Management LLC	DE	DS	Nuveen Investments, Inc.	Ownership	78.900	TIAA Board of Overseers	N	
			20-1930384	4349828			Gresham Investment Management LLC	DE	DS	Nuveen Investments, Inc.	Ownership	78.900	TIAA Board of Overseers	N	
				4781941			Gresham Investment Management Asia Pte. Ltd.	SGP	DS	Gresham Investment Management LLC	Ownership	100.000	TIAA Board of Overseers	N	
			36-4839486	5153992			Nuveen Alternative Investments, LLC	DE	DS	Nuveen Investments, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			83-3751978				Nuveen Capital Markets LLC	DE	DS	Nuveen Investments, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			83-4025630				Symphony Alternative Asset Management LLC	DE	DS	Nuveen Capital Markets LLC	Ownership	100.000	TIAA Board of Overseers	N	
			31-0942504	4774792	1311016		Nuveen Fund Advisors, LLC	DE	DS	Nuveen Investments, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			27-4357327	4781624	1521019		Nuveen Asset Management, LLC	DE	DS	Nuveen Fund Advisors, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			36-3293941				NIS/R&T, Inc.	IL	DS	Nuveen Investments, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			37-1695518	4774831	1602161		Nuveen WCM Holdings, LLC	DE	DS	Nuveen Investments, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			90-0860898	4776527	900973		Winslow Capital Management, LLC	DE	DS	Nuveen WCM Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-0730906	5147021			Growth Capital GP I, LLC	DE	DS	Winslow Capital Management, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			36-4709028	4774868	1602171		Nuveen NIQ Holdings, LLC	DE	DS	Nuveen Investments, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			30-0892190	4981189	1661847		NIQ Partners, LLC	DE	DS	Nuveen NIQ Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-0875103	4776518	763848		NIQ Investment Management Company, LLC	DE	DS	NIQ Partners, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			36-2639476	4775137	73387		Nuveen Securities, LLC	DE	DS	Nuveen Investments, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			20-3432117	4774822	1109426		Santa Barbara Asset Management, LLC	DE	DS	Nuveen Investments, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			94-3252504	4774813	1030815		Symphony Asset Management LLC	CA	DS	Nuveen Investments, Inc.	Ownership	51.000	TIAA Board of Overseers	N	1500
			36-7364377	4774783			Nuveen Investments Holdings, Inc.	DE	DS	Nuveen Investments, Inc.	Ownership	100.000	TIAA Board of Overseers	N	
			94-3252504	4774813	1030815		Symphony Asset Management LLC	CA	DS	Nuveen Investments Holdings, Inc.	Ownership	49.000	TIAA Board of Overseers	N	1500
							Symphony Risk Retention Finance LLC	DE	DS	Symphony Asset Management LLC	Ownership	100.000	TIAA Board of Overseers	N	
			30-1032009				SRR 1 LLC	DE	DS	Symphony Risk Retention Finance LLC	Ownership	51.000	TIAA Board of Overseers	N	
			13-3760073	4313306	939222		Teachers Advisors, LLC	DE	DS	Nuveen Finance, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			82-1157427				ColInvest Member LLC	DE	DS	Teachers Advisors, LLC	Ownership	100.000	TIAA Board of Overseers	N	
							CLO ColInvest I LLC	DE	DS	Teachers Advisors, LLC	Ownership	100.000	TIAA Board of Overseers	N	

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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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			13-3987258	4599052			485 Properties, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			13-3371278	4601094			JWL Properties, Inc.	DE	DS	485 Properties, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			16-1735872	4601209			TCPC Associates, LLC	DE	DS	485 Properties, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-3091169	5026603			730 Data Centers, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			82-0793232	5154029			730 Aviator, LLC	DE	DS	730 Data Centers, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-3106043	5036303			730 Databridge, LLC	DE	DS	730 Data Centers, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-2616735	4801719			730 Power Development, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			47-2622825	4810784			730 Carroll, LLC	DE	DS	730 Power Development, LLC	Ownership	100.000	TIAA Board of Overseers	N	
				4949107			730 Cricket, LLC	DE	DS	730 Power Development, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-5363027	4936116			730 Telecom LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			13-4042885	4599801			730 Texas Forest Holdings, Inc.	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	Y	
			51-0494351	4599838			730 Texas Timberlands II, Ltd.	TX	DS	Teachers Insurance and Annuity Association of America	Ownership	99.500	TIAA Board of Overseers	N	1600
			51-0494351	4599838			730 Texas Timberlands II, Ltd.	TX	DS	730 Texas Forest Holdings, Inc.	Ownership	0.500	TIAA Board of Overseers	N	1600
			13-4040842	4601722			TIAA Timberlands I, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			13-4085431	4601740			TIAA Timberlands II, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			13-4042888	4601713			730 Texas Timberlands, Ltd.	TX	DS	TIAA Timberlands I, LLC	Ownership	99.500	TIAA Board of Overseers	N	1700
			13-4042888	4601713			730 Texas Timberlands, Ltd.	TX	DS	730 Texas Forest Holdings, Inc.	Ownership	0.500	TIAA Board of Overseers	N	1700
			26-1870966	4314808			Active Extension Fund III, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			38-3847245	4602840			Actoil, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			46-3373066	4602916			Actoil Colorado, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
				4651521			Great Western Petroleum LLC	DE	DS	Actoil Colorado, LLC	Influence		TIAA Board of Overseers	N	
							Great Western Exploration & Development, Inc.	DE	DS	Great Western Petroleum LLC	Ownership	100.000	TIAA Board of Overseers	N	
			45-2285816	4860501			Almond Processors, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
				4747134			ASC Holdings, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Overseers	N	
			46-1952974	4599940			Broadleaf Timberland Investments, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			26-4647417	4601768			Quercus Forestland Account, LLC	NC	DS	Broadleaf Timberland Investments, LLC	Ownership	99.000	TIAA Board of Overseers	N	
				4618346			Quercus Panama, LLC	DE	DS	Quercus Forestland Account, LLC	Ownership	100.000	TIAA Board of Overseers	N	
				4651503			Quercus Algoma Corporation	CAN	DS	Quercus Forestland Account, LLC	Ownership	100.000	TIAA Board of Overseers	N	
				4860538			Quercus Algoma Land Corporation	CAN	DS	Quercus Algoma Corporation	Ownership	100.000	TIAA Board of Overseers	N	
			46-2916514	4613426			Quercus West Virginia, LLC	DE	DS	Quercus Forestland Account, LLC	Ownership	99.900	TIAA Board of Overseers	N	
			47-2167228	4776451			Casa Student Housing Fund Holdings, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			47-3994280	4865047			Shf-33d North Apts, LLC	DE	DS	Casa Student Housing Fund Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-4155469	4865056			Shf-Millennium One Apts, LLC	DE	DS	Casa Student Housing Fund Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-2450195	4990958			Shf-The Rocks Apts, LLC	DE	DS	Casa Student Housing Fund Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-4455610	4990967			PEP-TH CASA Student Housing, LLC	DE	DS	Casa Student Housing Fund Holdings, LLC	Ownership	90.000	TIAA Board of Overseers	N	
			47-4455303	5194418			CSHF-PEP Purdue LLC	DE	DS	PEP-TH CASA Student Housing, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			30-0965548	5195237			CSHF-PEP USF LLC	DE	DS	PEP-TH CASA Student Housing, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			13-1624203	4600015			CCM Series, LLC	DE	DS	Casa Student Housing Fund Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	

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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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			47-4069196	4899604			CCAP Fund 6 – 2015, L.P.	DE	DS	CCM Series, LLC	Ownership.....	87.500	TIAA Board of Overseers	..N	
			81-1205888	5010648			CCAP Fund 6 – 2016, L.P.	DE	DS	CCM Series, LLC	Ownership.....	97.800	TIAA Board of Overseers	..N	
			81-4732595	5183485			CCAP Fund 6 – 2017, L.P.	DE	DS	CCM Series, LLC	Ownership.....	91.100	TIAA Board of Overseers	..N	
			82-3167398				CCAP FUND 6 – 2018, L.P.	DE	DS	CCM Series, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	
			83-2787412				CCAP FUND 6 – 2019, L.P.	DE	DS	CCM Series, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	
			47-4079472	4899613			CCAP Fund 8 – 2015, L.P.	DE	DS	CCM Series, LLC	Ownership.....	92.100	TIAA Board of Overseers	..N	
			81-1212188	5010639			CCAP Fund 8 – 2016, L.P.	DE	DS	CCM Series, LLC	Ownership.....	90.900	TIAA Board of Overseers	..N	
			81-3718876	5047596			CCAP Fund 8 – 2017, L.P.	DE	DS	CCM Series, LLC	Ownership.....	91.600	TIAA Board of Overseers	..N	
			82-3182368				CCAP FUND 8 – 2018, L.P.	DE	DS	CCM Series, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	
			83-2793857				CCAP FUND 8 – 2019, L.P.	DE	DS	CCM Series, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	
			81-0784669	4990882			CCAP Fund GE, L.P.	DE	DS	CCM Series, LLC	Ownership.....	89.000	TIAA Board of Overseers	..N	
			81-0821374	4990903			CCAP Fund HFD, L.P.	DE	DS	CCM Series, LLC	Ownership.....	98.600	TIAA Board of Overseers	..N	
			81-0758188	4990891			CCAP Fund HFND, L.P.	DE	DS	CCM Series, LLC	Ownership.....	93.600	TIAA Board of Overseers	..N	
			13-1624203	4600024			CCM Series 2, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	..N	
			81-0753491	4990930			CCAP Fund FI, L.P.	DE	DS	CCM Series 2, LLC	Ownership.....	90.800	TIAA Board of Overseers	..N	
			56-2672630	4600033			Ceres Agricultural Properties, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	..N	
			37-1555322	4601816			Premiere Agricultural Properties, LLC	DE	DS	Ceres Agricultural Properties, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	
			80-0843991	4628596			Loma del Rio Vineyards, LLC	DE	DS	Premiere Agricultural Properties, LLC	Ownership.....	45.000	TIAA Board of Overseers	..N	1800
			36-4620107	4601825			Premiere Columbia Properties, LLC	DE	DS	Ceres Agricultural Properties, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	
			30-0449681	4601834			Premiere Farm Properties, LLC	DE	DS	Ceres Agricultural Properties, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	
			26-3484719	4601843			Demeter Agricultural Properties II, LLC	DE	DS	Ceres Agricultural Properties, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	
			26-0352203	4628372			International Agricultural Investors, LLC	DE	DS	Ceres Agricultural Properties, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	
				4633321			IAI Australia Pty., Ltd.	AUS	DS	International Agricultural Investors, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	
				4633330			IAI Australia Trust	AUS	DS	International Agricultural Investors, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	
			26-0460488	4633358			IAI USA, LLC	DE	DS	International Agricultural Investors, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	
			26-2745365	4628363			International Agricultural Investors Fund II, LLC	DE	DS	Ceres Agricultural Properties, LLC	Ownership.....	99.000	TIAA Board of Overseers	..N	
				4633303			IAI Australia Fund II, Pty., Ltd.	AUS	DS	International Agricultural Investors Fund II, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	
				4633312			IAI Australia Fund II Trust	AUS	DS	International Agricultural Investors Fund II, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	
			26-2747755	4633349			IAI USA Fund II, LLC	DE	DS	International Agricultural Investors Fund II, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	
			98-1402136				Churchill Middle Market CLO IV Ltd.	CYM	DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	..N	
			81-1810508	5041624			Churchill Middle Market Senior Loan Fund, LP	DE	DS	Teachers Insurance and Annuity Association of America	Management.....		TIAA Board of Overseers	..N	
			26-3049305	4601928			Demeter Agricultural Properties, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	..N	
			45-2632248	4600770			Dionysus Properties, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	..N	
			94-3306131	4601861			Silverado Premium Properties, LLC	CA	DS	Dionysus Properties, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	
			68-0436609	4612764			Arroya Loma, LLC	DE	DS	Silverado Premium Properties, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	
			75-3025596	4612867			Chalk Ridge Vineyard, LLC	CA	DS	Silverado Premium Properties, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	
			20-3964695	4613314			Hobson Avenue Vineyard, LLC	CA	DS	Silverado Premium Properties, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	
			26-1542713	4613417			Marsino Vineyard, LLC	CA	DS	Silverado Premium Properties, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	
			20-2103733	4613864			Silverado Los Alamos Vineyards, LLC	CA	DS	Silverado Premium Properties, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	
			20-2490906	4613882			Silverado SLO Vineyards, LLC	CA	DS	Silverado Premium Properties, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	
			20-2103788	4613891			Silverado Sonoma Vineyard, LLC	CA	DS	Silverado Premium Properties, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	
			68-0466083	4613949			SPP Napa Vineyards, LLC	DE	DS	Silverado Premium Properties, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	
			94-3361818	4613967			Stanly Ranch Vineyards, LLC	CA	DS	Silverado Premium Properties, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	
			26-3774024	4613976			Suscol Mountain Vineyards, LLC	CA	DS	Silverado Premium Properties, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	

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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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			26-2766605 43-3997217 68-0443927 94-3357571 94-3312405 91-1806950 45-4820104	4614665 4601870 4613921 4614759 4615671 4615783 4617077			Terra Ventosa Vineyards, LLC Silverado Winegrowers Holdings, LLC Silverado Winegrowers LLC Alta Loma Vineyard, LLC Oak Knoll Napa Vineyards, LLC Silverado Suscol, LLC SWG Paso Vineyard, LLC	.CA .DE .CA .CA .CA .CA .CA	.DS .DS .DS .DS .DS .DS .DS	Silverado Premium Properties, LLC Dionysus Properties, LLC Silverado Winegrowers Holdings, LLC Silverado Winegrowers LLC Silverado Winegrowers LLC Silverado Winegrowers LLC Silverado Winegrowers LLC	Ownership Ownership Ownership Ownership Ownership Ownership Ownership	100.000 100.000 100.000 100.000 100.000 100.000 100.000	TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers	.N .N .N .N .N .N .N	
			26-3561447	4599708	1454640		Distressed Opportunities Fund, L.P.	.DE	.DS	Teachers Insurance and Annuity Association of America	Ownership	50.000	TIAA Board of Overseers	.N	
				4680307			DWM Inclusive Finance Equity Fund II	.LUX	.DS	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Overseers	.N	
			98-0580879	4633947			DWM Microfinance Equity Fund I	.LUX	.DS	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Overseers	.N	
			04-3718449	4643003			Envisage Information Systems, LLC	.NY	.DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			30-0701953	4633974			EPP LFG I, LLC	.DE	.DS	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Overseers	.N	
				4894805			Global Real Estate Debt Partners Fund I (UK)	.LUX	.DS	Teachers Insurance and Annuity Association of America	Ownership	36.500	TIAA Board of Overseers	.N	1900
							Global Real Estate Debt Partners Fund II (UK) SCSp	.LUX	.DS	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Overseers	.N	1200
			20-1930384		1684621		Gresham CMS Fund, LLC	.DE	.DS	Teachers Insurance and Annuity Association of America	Ownership	98.080	TIAA Board of Overseers	.N	
			32-0509812		1699398		GreshamQuant ACAR Fund LLC	.DE	.DS	Teachers Insurance and Annuity Association of America	Ownership	62.690	TIAA Board of Overseers	.N	
			81-0737062	4952750			Growth Capital Fund I, L.P.	.DE	.DS	Teachers Insurance and Annuity Association of America	Ownership	94.000	TIAA Board of Overseers	.N	
				4860556			Inception GP LLC	.DE	.DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			46-2031403	4860800			Inception Partners IV, LP	.DE	.DS	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Overseers	.N	
			46-2062147	4860819			Inception Partners V, LP	.DE	.DS	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Overseers	.N	
			27-4149157	4860846			Infra Alpha, LLC	.DE	.DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			27-3900641	4860855			EMG Investments, LLC	.DE	.DS	Infra Alpha, LLC	Influence		TIAA Board of Overseers	.N	
			47-4169877	4874656			Lewis & Clark Timberlands, LLC	.DE	.DS	Teachers Insurance and Annuity Association of America	Ownership	57.400	TIAA Board of Overseers	.N	
			47-4187541	4876436			L&C Log Co, LLC	.DE	.DS	Lewis & Clark Timberlands, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			47-4196668	4945967			L&C Tree Farms, LLC	.DE	.DS	Lewis & Clark Timberlands, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			47-5300478	4946384			L&C TRS LLC	.DE	.DS	L&C Tree Farms, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			27-2007833	4635334			Liberty M & R SPV II, LP	.DE	.DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
				4601852			Mansilla Participacoes LTDA	.BRA	.DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
				4634654			Radar Propriedades Agricolas S.A.	.BRA	.DS	Mansilla Participacoes LTDA	Influence		TIAA Board of Overseers	.N	
				4643049			Nova Amaralina S.A. Propriedades Agricolas	.BRA	.DS	Radar Propriedades Agricolas S.A.	Ownership	100.000	TIAA Board of Overseers	.N	
				4643320			Nova Agricola Ponte Alta S.A.	.BRA	.DS	Radar Propriedades Agricolas S.A.	Ownership	100.000	TIAA Board of Overseers	.N	
				4643058			Nova Santa Barbara Agricola S.A.	.BRA	.DS	Radar Propriedades Agricolas S.A.	Ownership	100.000	TIAA Board of Overseers	.N	
				4644523			Terras da Ponte Alta S.A.	.BRA	.DS	Radar Propriedades Agricolas S.A.	Ownership	100.000	TIAA Board of Overseers	.N	
				4634645			Radar II Propriedades Agricolas S.A.	.BRA	.DS	Mansilla Participacoes LTDA	Influence		TIAA Board of Overseers	.N	
				4643085			Proud Participacoes S.A.	.BRA	.DS	Radar II Propriedades Agricolas S.A.	Ownership	100.000	TIAA Board of Overseers	.N	
				4644336			Vale De Ponte Alta S.A.	.BRA	.DS	Radar II Propriedades Agricolas S.A.	Ownership	100.000	TIAA Board of Overseers	.N	
				4644318			Bioinvestments Negocios e Participacoes	.BRA	.DS	Radar II Propriedades Agricolas S.A.	Ownership	100.000	TIAA Board of Overseers	.N	

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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
				4644309			Aguas de Ponte Alta S.A.	.BRA	.DS	Radar II Propriedades Agricolas S.A.	Ownership	100.000	TIAA Board of Overseers	.N	
			13-1624203	5077137			MM Funding, LLC	.DE	.DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			47-0902011	5043075			MyVest Corporation	.DE	.DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.Y	
			11-3034756	4600789			ND Properties, Inc.	.DE	.DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.Y	
				4634917			Norteshopping Retail and Leisure Centre BV	.NLD	.DS	ND Properties, Inc.	Ownership	50.000	TIAA Board of Overseers	.N	
				4634926			Norteshopping - Centro Commercial, S.A.	.PRT	.DS	Norteshopping Retail and Leisure Centre BV	Ownership	100.000	TIAA Board of Overseers	.N	
				4611824			ND Europe S.a.r.l.	.LUX	.DS	ND Properties, Inc.	Ownership	100.000	TIAA Board of Overseers	.N	
				4912781			ND Europe Office Holding S.à r.l.	.LUX	.DS	ND Europe S.a.r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4925558			Cityhold Nymphe S.à r.l.	.LUX	.DS	ND Europe Office Holding S.à r.l.	Ownership	6.000	TIAA Board of Overseers	.N	2000
				4925530			Cityhold Propco 11 S.à r.l.	.LUX	.DS	ND Europe Office Holding S.à r.l.	Ownership	50.000	TIAA Board of Overseers	.N	
				4914776			Cityhold Euro S.à r.l.	.LUX	.DS	ND Europe Office Holding S.à r.l.	Ownership	6.000	TIAA Board of Overseers	.N	2100
				4913416			Cityhold Office Partnership S.à r.l.	.LUX	.DS	ND Europe Office Holding S.à r.l.	Ownership	50.000	TIAA Board of Overseers	.N	
							CHOP OPCl	.FRA	.DS	Cityhold Office Partnership S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
			98-1435873				Cityhold Iconic Holding SAS	.FRA	.DS	CHOP OPCl	Ownership	100.000	TIAA Board of Overseers	.N	
			98-1433967				Cityhold Iconic Hotel SNC	.FRA	.DS	Cityhold Iconic Holding SAS	Ownership	100.000	TIAA Board of Overseers	.N	
			98-1433956				Cityhold Iconic Office SCI	.FRA	.DS	Cityhold Iconic Holding SAS	Ownership	100.000	TIAA Board of Overseers	.N	
			98-1433960				Cityhold Iconic Retail SNC	.FRA	.DS	Cityhold Iconic Holding SAS	Ownership	100.000	TIAA Board of Overseers	.N	
			98-1433975				Cityhold Iconic Youth Hostel SNC	.FRA	.DS	Cityhold Iconic Holding SAS	Ownership	100.000	TIAA Board of Overseers	.N	
				4925558			Cityhold Nymphe S.à r.l.	.LUX	.DS	Cityhold Office Partnership S.à r.l.	Ownership	88.000	TIAA Board of Overseers	.N	2000
				4920094			Cityhold Propco 6 S.à r.l.	.LUX	.DS	Cityhold Office Partnership S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
			98-1433939				Cityhold Iconic Hotel OPCO SAS	.FRA	.DS	Cityhold Propco 6 S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
			98-1435880				Cityhold Iconic Investment S.à r.l.	.LUX	.DS	Cityhold Propco 6 S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4925521			Cityhold Propco 9 S.à r.l.	.LUX	.DS	Cityhold Office Partnership S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4612746			36 Rue La Fayette SAS	.FRA	.DS	Cityhold Propco 9 S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4613828			SAS Roosevelt	.FRA	.DS	Cityhold Propco 9 S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4914767			Roosevelt Participation S.à r.l.	.LUX	.DS	Cityhold Propco 9 S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4615578			SNC Roosevelt	.FRA	.DS	SAS Roosevelt	Ownership	99.990	TIAA Board of Overseers	.N	2200
				4615578			SNC Roosevelt	.FRA	.DS	Roosevelt Participation S.à r.l.	Ownership	0.010	TIAA Board of Overseers	.N	2200
				4612876			Courcelles 70 SAS	.FRA	.DS	Cityhold Propco 9 S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4914776			Cityhold Euro S.à r.l.	.LUX	.DS	Cityhold Propco 9 S.à r.l.	Ownership	88.000	TIAA Board of Overseers	.N	2100
				4925549			Cityhold Propco 7 S.à r.l.	.LUX	.DS	Cityhold Euro S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4925615			Cityhold Propco 10 S.à r.l.	.LUX	.DS	Cityhold Euro S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
							Cityhold Gouden Bocht B.V.	.NLD	.DS	Cityhold Propco 9 S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
							Cityhold Gouden Bocht Monumenten B.V.	.NLD	.DS	Cityhold Propco 9 S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
							IOM Monumentum BV	.NLD	.DS	Cityhold Gouden Bocht Monumenten B.V.	Ownership	100.000	TIAA Board of Overseers	.N	
			98-1438380				Redevelopment Property II B.V.	.LUX	.DS	Cityhold Propco 9 S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4925633			Cityhold Propco 12 S.à r.l.	.LUX	.DS	Cityhold Office Partnership S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
							Cityhold EST Investment S.à r.l.	.LUX	.DS	Cityhold Propco 12 S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
							Cityhold GC Investment S.à r.l.	.LUX	.DS	Cityhold Propco 12 S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
							OVG Cloud S.à r.l.	.LUX	.DS	Cityhold GC Investment S.à r.l.	Influence		TIAA Board of Overseers	.N	
				4914785			Cityhold Sterling S.à r.l.	.LUX	.DS	Cityhold Office Partnership S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4914758			Cityhold UK Holding S.à r.l.	.LUX	.DS	Cityhold Sterling S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4919753			Cityhold UK Investment S.à r.l.	.LUX	.DS	Cityhold UK Holding S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4651343			London Belgrave Unit Trust	.JEY	.DS	Cityhold UK Holding S.à r.l.	Ownership	99.800	TIAA Board of Overseers	.N	2300
				4651343			London Belgrave Unit Trust	.JEY	.DS	Cityhold UK Investment S.à r.l.	Ownership	0.200	TIAA Board of Overseers	.N	2300
				4949198			CLOF Victoria Nominee 1 Limited	.GBR	.DS	London Belgrave Unit Trust	Ownership	100.000	TIAA Board of Overseers	.N	
				4949228			CLOF Victoria Nominee 2 Limited	.GBR	.DS	London Belgrave Unit Trust	Ownership	100.000	TIAA Board of Overseers	.N	
				4844341			New Fetter Lane Unit Trust	.JEY	.DS	Cityhold UK Holding S.à r.l.	Ownership	99.900	TIAA Board of Overseers	.N	2400
				4844341			New Fetter Lane Unit Trust	.JEY	.DS	Cityhold UK Investment S.à r.l.	Ownership	0.100	TIAA Board of Overseers	.N	2400
				4919744			60 Great Portland Street Unit Trust	.JEY	.DS	Cityhold UK Holding S.à r.l.	Ownership	99.400	TIAA Board of Overseers	.N	2500



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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Loca-tion	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
				4919744			60 Great Portland Street Unit Trust .....	JEY	DS	Cityhold UK Investment S.à r.l. ....	Ownership.....	0.600	TIAA Board of Overseers .....	N	2500
				4920076			SMA Holding S.à r.l. ....	LUX	DS	Cityhold UK Investment S.à r.l. ....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
				4919744			70 St Mary Axe Unit Trust .....	JEY	DS	SMA Holding S.à r.l. ....	Ownership.....	99.900	TIAA Board of Overseers .....	N	2600
				4919744			70 St Mary Axe Unit Trust .....	JEY	DS	Cityhold UK Investment S.à r.l. ....	Ownership.....	0.100	TIAA Board of Overseers .....	N	2600
				4920067			HV Properties S.à r.l. ....	LUX	DS	Cityhold UK Holding S.à r.l. ....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
				4925763			HV Freehold S.à r.l. ....	LUX	DS	HV Properties S.à r.l. ....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
				4614704			TIAA Lux 9 S.à r.l. ....	LUX	DS	Cityhold Office Partnership S.à r.l. ....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
				4615738			SAS Malachite .....	FRA	DS	TIAA Lux 9 S.a.r.l. ....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
				4616847			SNC Garnet-TIAA .....	FRA	DS	SAS Malachite .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
				4616856			SNC La Defense .....	FRA	DS	SAS Malachite .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
				4616865			SNC Lazuli .....	FRA	DS	SAS Malachite .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
				4616874			SNC Peridot .....	FRA	DS	SAS Malachite .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
				4612997			T-C Neuperlach Development S.a.r.l. ....	LUX	DS	ND Europe S.a.r.l. ....	Ownership.....	51.000	TIAA Board of Overseers .....	N	
				4613015			T-C Pep Holding S.a.r.l. ....	LUX	DS	ND Europe S.a.r.l. ....	Ownership.....	51.000	TIAA Board of Overseers .....	N	
				4617497			T-C Pep Property S.a.r.l. ....	LUX	DS	T-C Pep Holding S.a.r.l. ....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
				4617488			T-C Pep Asset S.a.r.l. ....	LUX	DS	T-C Pep Holding S.a.r.l. ....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
				4614674			TIAA Lux 11 S.a.r.l. ....	LUX	DS	ND Europe S.a.r.l. ....	Ownership.....	51.000	TIAA Board of Overseers .....	N	
				4615635			Gropius Passagen Verwaltungs GmbH .....	DEU	DS	TIAA Lux 11 S.a.r.l. ....	Ownership.....	80.000	TIAA Board of Overseers .....	N	
				4615644			Gropius S.a.r.l. ....	LUX	DS	TIAA Lux 11 S.a.r.l. ....	Ownership.....	80.000	TIAA Board of Overseers .....	N	
				4615626			Gropius Passagen GmbH & Co KG .....	DEU	DS	Gropius S.a.r.l. ....	Ownership.....	99.800	TIAA Board of Overseers .....	N	2700
				4615626			Gropius Passagen GmbH & Co KG .....	DEU	DS	TIAA Lux 11 S.a.r.l. ....	Ownership.....	0.200	TIAA Board of Overseers .....	N	2700
				4611842			TIAA Lux 5 S.a.r.l. ....	LUX	DS	ND Properties, Inc. ....	Ownership.....	51.000	TIAA Board of Overseers .....	N	
				4612906			Erlangen Arcaden Verwaltungs GmbH .....	DEU	DS	TIAA Lux 5 S.a.r.l. ....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
				4612885			Erlangen Arcaden GmbH & Co. KG .....	DEU	DS	TIAA Lux 5 S.a.r.l. ....	Ownership.....	94.900	TIAA Board of Overseers .....	N	2800
				4612885			Erlangen Arcaden GmbH & Co. KG .....	DEU	DS	Erlangen Arcaden Verwaltungs GmbH .....	Ownership.....	5.100	TIAA Board of Overseers .....	N	2800
			20-1371171	4611851	1378575		U.S. Cities Fund, LP .....	DE	DS	ND Properties, Inc. ....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			20-1371379	4614638			U.S. Cities Fund REIT, LLC .....	DE	DS	U.S. Cities Fund, LP .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			47-4841790	4914721			T-C Ocean Air, LLC .....	DE	DS	U.S. Cities Fund REIT, LLC .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			20-1364650	4617590			U.S. Cities Fund Operating GP, LLC .....	DE	DS	U.S. Cities Fund REIT, LLC .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			20-1371235	4617602			U.S. Cities Fund Operating, LP .....	DE	DS	U.S. Cities Fund REIT, LLC .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			45-4768909	4618289			T-C 3333 Wisconsin Avenue, LLC .....	DE	DS	U.S. Cities Fund Operating, LP .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			45-2612359	4617723			T-C Ellington LLC .....	DE	DS	U.S. Cities Fund Operating, LP .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			46-5061808	4702928			T-C Falls Center Townhouses LLC .....	DE	DS	U.S. Cities Fund Operating, LP .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			26-1700245	4617853			T-C King Street Station LLC .....	DE	DS	U.S. Cities Fund Operating, LP .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			47-2532161	4793047			T-C Savier Street Flats LLC .....	DE	DS	U.S. Cities Fund Operating, LP .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			27-4180357	4618113			T-C State House on Congress Apartments LLC .....	DE	DS	U.S. Cities Fund Operating, LP .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			14-2005711	4618131			T-C Stonecrest LLC .....	DE	DS	U.S. Cities Fund Operating, LP .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			45-2892182	4618177			T-C Trio Apartments LLC .....	DE	DS	U.S. Cities Fund Operating, LP .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			81-3629374	5057670			TCPF 300 SW 27 LLC .....	DE	DS	U.S. Cities Fund Operating, LP .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			81-3738136	5115495			U.S. Cities Industrial CPF Fund LP .....	DE	DS	U.S. Cities Fund Operating, LP .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			81-3681230	5115972			U.S. Cities Industrial CPF Fund REIT LLC .....	DE	DS	U.S. Cities Industrial Fund LP .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
							U.S. Cities Industrial CPF Fund Operating GP LLC .....								
			81-3671343	5116755			U.S. Cities Industrial CPF Fund Operating LP .....	DE	DS	U.S. Cities Industrial Fund REIT LLC .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			81-3757117	5116250			U.S. Cities Industrial Fund REIT LLC .....	DE	DS	U.S. Cities Industrial Fund REIT LLC .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			81-3765537	5115507			U.S. Cities Multifamily CPF Fund LP .....	DE	DS	U.S. Cities Fund Operating, LP .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			81-3870674	5115963			U.S. Cities Multifamily CPF Fund REIT LLC .....	DE	DS	U.S. Cities Multifamily Fund LP .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
							U.S. Cities Multifamily CPF Fund Operating GP LLC .....								
			81-3716920	5116782			U.S. Cities Multifamily CPF Fund Operating LP .....	DE	DS	U.S. Cities Multifamily Fund REIT LLC .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			81-3794611	5116773			U.S. Cities Multifamily CPF Fund Operating LP .....	DE	DS	U.S. Cities Multifamily Fund REIT LLC .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			81-3814378	5115516			U.S. Cities Office CPF Fund LP .....	DE	DS	U.S. Cities Fund Operating, LP .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			81-3911937	5115945			U.S. Cities Office CPF Fund REIT LLC .....	DE	DS	U.S. Cities Office Fund LP .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
			81-3881522	5116595			U.S. Cities Office CPF Fund Operating GP LLC	.DE	.DS	U.S. Cities Office Fund REIT LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			81-3839479	5116791			U.S. Cities Office CPF Fund Operating LP	.DE	.DS	U.S. Cities Office Fund REIT LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			35-2589573	5117631			T-C World Trade Center North LLC	.DE	.DS	U.S. Cities Office Fund Operating LP	Ownership	100.000	TIAA Board of Overseers	.N	
			81-3437405	5057689			U.S. Cities Retail CPF Fund LP	.DE	.DS	U.S. Cities Fund Operating, LP	Ownership	100.000	TIAA Board of Overseers	.N	
			81-3573421	5066403			U.S. Cities Retail CPF Fund REIT LLC	.DE	.DS	U.S. Cities Retail Fund LP	Ownership	100.000	TIAA Board of Overseers	.N	
							U.S. Cities Retail CPF Fund Operating GP LLC								
			81-3578259	5086924				.DE	.DS	U.S. Cities Retail Fund REIT LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			81-3473773	5075713			U.S. Cities Retail CPF Fund Operating LP	.DE	.DS	U.S. Cities Retail Fund REIT LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			81-2914954	5106457			CPF/UIR JV Member LLC	.DE	.DS	U.S. Cities Retail Fund Operating LP	Ownership	100.000	TIAA Board of Overseers	.N	
			81-2928112	5110034			CPF/UIR Joint Venture LLC	.DE	.DS	CPF/UIR JV Member LLC	Ownership	51.000	TIAA Board of Overseers	.N	
			81-2955427	5110490			CPF 636 Sixth Avenue LLC	.DE	.DS	CPF/UIR Joint Venture LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			47-2264739	4785949			T-C 636 Sixth Avenue Retail LLC	.DE	.DS	CPF 636 Sixth Avenue LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			81-2982618	5110511			CPF 856 Market Street LLC	.DE	.DS	CPF/UIR Joint Venture LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			81-2973332	5110502			CPF 1511 Third Avenue LLC	.DE	.DS	CPF/UIR Joint Venture LLC	Ownership	100.000	TIAA Board of Overseers	.N	
				4785930			T-C 1608 Chestnut General Partner LLC	.DE	.DS	CPF/UIR Joint Venture LLC	Ownership	100.000	TIAA Board of Overseers	.N	
				4843371			1608 Chestnut Partners LP	.DE	.DS	T-C 1608 Chestnut General Partner LLC	Ownership	1.000	TIAA Board of Overseers	.N	2900
				4785958			T-C 1608 Chestnut Limited Partner LLC	.DE	.DS	CPF/UIR Joint Venture LLC	Ownership	100.000	TIAA Board of Overseers	.N	
				4843371			1608 Chestnut Partners LP	.DE	.DS	T-C 1608 Chestnut Limited Partner LLC	Ownership	99.000	TIAA Board of Overseers	.N	2900
			27-4116676	4618092			T-C Potomac Promenade LLC	.DE	.DS	U.S. Cities Retail Fund Operating LP	Ownership	100.000	TIAA Board of Overseers	.N	
			47-4935916	4952611			TCAM Core Prop Fund REIT 2 LLC	.DE	.DS	U.S. Cities Fund, LP	Ownership	100.000	TIAA Board of Overseers	.N	
			47-4016470	4865159			T-C 51 Sleeper Street LLC	.DE	.DS	TCAM Core Prop Fund REIT 2 LLC	Ownership	100.000	TIAA Board of Overseers	.N	
							Nuveen High Yield Municipal Opportunitites Fund LP	.DE	.DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
										Teachers Insurance and Annuity Association of America					
							Nuveen Municipal Opportunities Fund LP	.DE	.DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
			81-2429791	5194061			Nuveen Real Estate U.S. Strategic Industrial Fund I LP	.DE	.DS	Teachers Insurance and Annuity Association of America	Management		TIAA Board of Overseers	.N	
										Teachers Insurance and Annuity Association of America					
			26-4750562	4600846			Occator Agricultural Properties, LLC	.DE	.DS	Occator Agricultural Properties, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			46-1768969	4611860			AGR Agricultural Investments, LLC	.DE	.DS	Occator Agricultural Properties, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
				4643861			Ridley Corporation Limited	.AUS	.DS	AGR Agricultural Investments	Influence		TIAA Board of Overseers	.N	
				5106475			Mandala Food Co-Investment Holdings II SPV	.MUS	.DS	Occator Agricultural Properties, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			45-1125143	4628608			Materra, LLC	.CA	.DS	Occator Agricultural Properties, LLC	Influence		TIAA Board of Overseers	.N	
			26-4621336	4644475			Teays River Investments, LLC	.DE	.DS	Occator Agricultural Properties, LLC	Influence		TIAA Board of Overseers	.N	
										Teachers Insurance and Annuity Association of America					
			26-4248579	4313025			Oleum Holding Company, Inc.	.DE	.DS		Ownership	100.000	TIAA Board of Overseers	.Y	
				4313100			Polar Star Canadian Oil and Gas Holding, Inc	.CAN	.DS	Oleum Holding Company, Inc.	Ownership	100.000	TIAA Board of Overseers	.N	
				4612755			Adastra Management, Inc.	.CAN	.DS	Polar Star Canadian Oil and Gas Holding, Inc	Management		TIAA Board of Overseers	.N	
				4936095			Nova Star Oil and Gas Inc.	.CAN	.DS	Polar Star Canadian Oil and Gas Holding, Inc	Ownership	100.000	TIAA Board of Overseers	.N	
				4313128			Polar Star Canadian Oil and Gas, Inc.	.CAN	.DS	Polar Star Canadian Oil and Gas Holding, Inc	Ownership	100.000	TIAA Board of Overseers	.N	
										Teachers Insurance and Annuity Association of America					
			26-3821015	4630133			Pinnacle Third Avenue, LP	.DE	.DS	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Overseers	.N	
			81-6646838	5018644			Primary Residential Individual Mortgage Entity Trust	.DE	.DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	.N	
										Teachers Insurance and Annuity Association of America					
			45-2792614	4601142			Renewable Timber Europe, LLC	.DE	.DS		Ownership	100.000	TIAA Board of Overseers	.N	
				4990994			Renewable Timber Netherlands B.V.	.POL	.DS	Renewable Timber Europe, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
				4614713			Topola Lasy Spolka z.o.o.	.POL	.DS	Renewable Timber Netherlands B.V.	Ownership	100.000	TIAA Board of Overseers	.N	

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

**SCHEDULE Y**

**PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
			61-1640765	4601759			Renewable Timber Resources, LLC	.DE	.DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
				4611927			Forestal y Agrícola Silvicultura Chile Limitada	.CHL	.DS	Renewable Timber Resources, LLC	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
			03-0543113	4868637			Siguler Guff Third Avenue, L.P.	.DE	.DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
				4858629			Social Infra, LLC	.DE	.DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
				4599977			T-C 20 Hunter Street (AUS) Pty Ltd	.AUS	.DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
			46-3922951	4599968			T-C 20 Hunter Street (US), LLC	.DE	.DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
			81-2525521	4998468			T-C 400 Montgomery, LLC	.DE	.DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
				5077128			400 Montgomery Investors, LLC	.DE	.DS	T-C 400 Montgomery, LLC	Ownership.....	97.500	TIAA Board of Overseers .....	..N	
			27-4123754	4601777			T-C 685 Third Avenue Member, LLC	.DE	.DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
			27-3095569	4644000	1510620		T-C 685 Third Avenue, LLC	.DE	.DS	T-C 685 Third Avenue Member, LLC	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
			61-1754745	4843915			T-C 685 Third Avenue Owner LLC	.DE	.DS	T-C 685 Third Avenue, LLC	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
			46-4969690	4653972			T-C 699 Bourke Street LLC	.DE	.DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
			81-2490530	4998431			T-C Australia RE Holdings I, LLC	.DE	.DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
			81-2506975	5003426			T-C Australia RE Holdings II, LLC	.DE	.DS	T-C Australia RE Holdings I, LLC	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
				5084966			TIAA Australia Real Estate Trust	.AUS	.DS	T-C Australia RE Holdings II, LLC	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
				4868477			T-C 20 Hunter Street (AUS) Trust	.AUS	.DS	TIAA Australia Real Estate Trust	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
				5195255			TGA Miller Holding Trust	.AUS	.DS	TIAA Australia Real Estate Trust	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
				5201820			TGA Miller Street Trust	.AUS	.DS	TGA Miller Holding Trust	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
				5085749			TIAA Melbourne Retail Holding 1 Trust	.AUS	.DS	TIAA Australia Real Estate Trust	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
				5087891			TIAA Melbourne Retail Asset 1 Trust	.AUS	.DS	TIAA Melbourne Retail Holding 1 Trust	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
							TGA Australia Real Estate Trust 2	.AUS	.DS	T-C Australia RE Holdings II, LLC	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
							TGA PBSA Hold Trust	.AUS	.DS	TGA Australia Real Estate Trust 2	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
							TGA PBSA Asset Trust 1	.AUS	.DS	TGA PBSA Hold Trust	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
			47-2363168	4794503			T-C Europe Holding Inc.	.DE	.DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
			47-2369576	4794473			T-C Europe LP	.DE	.DS	T-C Europe Holding Inc.	Ownership.....	1.000	TIAA Board of Overseers .....	..N	3000
			47-2369576	4794473			T-C Europe LP	.DE	.DS	Teachers Insurance and Annuity Association of America	Ownership.....	99.000	TIAA Board of Overseers .....	..N	3000
				4843410			T-C Europe S.à r.l.	.LUX	.DS	T-C Europe LP	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
				4873501			Nightingale LuxCo S.à r.l.	.LUX	.DS	T-C Europe S.à r.l.	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
				4874665			T-C Nordics Investment AB	.SWE	.DS	Nightingale LuxCo S.à r.l.	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
				4908391			Sweden Nova Lund 1 AB	.SWE	.DS	T-C Nordics Investment AB	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
				4908403			Sweden Nova Lund 2 AB	.SWE	.DS	T-C Nordics Investment AB	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
				4841443			T-C Luxembourg Neptune Holdings S.à r.l.	.LUX	.DS	T-C Europe S.à r.l.	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
				4841993			T-C Neptune Holdings S. à r.l.	.LUX	.DS	T-C Luxembourg Neptune Holdings S.à r.l.	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
				4843401			Neptune Property Venture S.à r.l.	.LUX	.DS	T-C Neptune Holdings S. à r.l.	Ownership.....	61.800	TIAA Board of Overseers .....	..N	
				4908373			Neptune Polish Property Venture BV	.NLD	.DS	Neptune Property Venture S.à r.l.	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
				4912736			Neptune Krakow SP. z.o.o.	.POL	.DS	Neptune Polish Property Venture BV	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
				4912745			Neptune Annapol SP. z.o.o.	.POL	.DS	Neptune Polish Property Venture BV	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
				5083633			Neptune Poznan SP. z.o.o.	.POL	.DS	Neptune Polish Property Venture BV	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
							Neptune Property Holding S.à r.l.	.LUX	.DS	Neptune Property Venture S.à r.l.	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
							Nemab Sugar City B.V.	.NLD	.DS	Neptune Property Holding S.à r.l.	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
							Silesia Outlet sp. z o.o	.POL	.DS	Neptune Property Holding S.à r.l.	Ownership.....	100.000	TIAA Board of Overseers .....	..N	
				4908364			Neptune Holding Spain, S.L.	.ESP	.DS	Neptune Property Venture S.à r.l.	Ownership.....	100.000	TIAA Board of Overseers .....	..N	

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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Loca-tion	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
				4912709			Procomat Alternativa, S.L.	.ESP	.DS	Neptune Holding Spain, S.L.	Ownership	100.000	TIAA Board of Overseers	.N	
				4948687			Neptune OPCI SAS	.FRA	.DS	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4952648			Roppenheim Holding SAS	.FRA	.DS	Neptune OPCI SAS	Ownership	100.000	TIAA Board of Overseers	.N	
				4901383			Roppenheim Outlet SNC	.FRA	.DS	Roppenheim Holding SAS	Ownership	100.000	TIAA Board of Overseers	.N	3100
				5195291			Neptune Polish HoldCo 2 B.V.	.NLD	.DS	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				5198779			Neptune Ursus SP. z.o.o.	.POL	.DS	Neptune Polish HoldCo 2 B.V.	Ownership	100.000	TIAA Board of Overseers	.N	
				4949095			Neptune Roppenheim Holding S.à r.l	.FRA	.DS	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				4901383			Roppenheim Outlet SNC	.FRA	.DS	Neptune Roppenheim Holding S.à r.l	Ownership	0.000	TIAA Board of Overseers	.N	3100
				5083642			Neptune Vicolungo I S.r.l.	.ITA	.DS	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
							Castel Guelfo I SRL	.ITA	.DS	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				5083651			Neptune Madrid Holdco S.L.	.ESP	.DS	Neptune Property Venture S.à r.l.	Ownership	100.000	TIAA Board of Overseers	.N	
				5085691			Neptune Nassica Propco S.L.	.ESP	.DS	Neptune Madrid Holdco S.L.	Ownership	100.000	TIAA Board of Overseers	.N	
				5085703			Neptune Getafe Propco S.L.	.ESP	.DS	Neptune Madrid Holdco S.L.	Ownership	100.000	TIAA Board of Overseers	.N	
				5084920			Neptune Las Rozas Outlet S.L.	.ESP	.DS	Neptune Madrid Holdco S.L.	Ownership	100.000	TIAA Board of Overseers	.N	
				5084939			Neptune San Sebastian Outlet S.L.	.ESP	.DS	Neptune Madrid Holdco S.L.	Ownership	100.000	TIAA Board of Overseers	.N	
							Teachers Insurance and Annuity Association of America								
			45-2877772	4601786			T-C GA Real Estate Holdings, LLC	.DE	.DS	of America	Ownership	100.000	TIAA Board of Overseers	.N	
			46-0959792	4611936			8 Spruce Street GA Investor, LLC	.DE	.DS	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			46-1403221	4619567			FC 8 Spruce Holdings, LLC	.DE	.DS	8 Spruce Street GA Investor, LLC	Influence		TIAA Board of Overseers	.N	
				4511867			FC 8 Spruce Street Residential, LLC	.NY	.DS	FC 8 Spruce Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			84-2144204				2300 Broadway Storage Operator LLC	.DE	.DS	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			82-1419222	5194360			Nuveen Global Cities REIT, Inc.	.MD	.DS	T-C GA Real Estate Holdings, LLC	Ownership	97.140	TIAA Board of Overseers	.N	
			82-1502883	5198788			Nuveen Global Cities REIT LP, LLC	.DE	.DS	Nuveen Global Cities REIT, Inc.	Ownership	100.000	TIAA Board of Overseers	.N	
			82-1507998	5198797			Nuveen Global Cities REIT OP, LP	.DE	.DS	Nuveen Global Cities REIT, Inc.	Ownership	100.000	TIAA Board of Overseers	.N	
			82-3527067	5205060			NR 844 North LLC	.DE	.DS	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Overseers	.N	
							NR APCF Investor Ltd.	.CYM	.DS	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Overseers	.N	
			82-5519657				NR Defoor Hills LLC	.DE	.DS	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Overseers	.N	
			82-3539243	5205088			NR Denver Industrial Portfolio LLC	.DE	.DS	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Overseers	.N	
			83-3651003				NR East Sego Lily LLC	.DE	.DS	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Overseers	.N	
							NR ECF Investor Ltd.	.DE	.DS	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Overseers	.N	
			83-1495411				NR Henderson 215 LLC	.DE	.DS	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Overseers	.N	
			82-3556058	5205079			NR Kirkland Crossing LLC	.DE	.DS	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Overseers	.N	
			83-1815798				NR Main Street at Kingwood LLC	.DE	.DS	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Overseers	.N	
			82-5503093				NR Tacara at Steiner Ranch LLC	.DE	.DS	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Overseers	.N	
			83-4299885				Nuveen Global Cities REIT Lending, LLC	.DE	.DS	Nuveen Global Cities REIT OP, LP	Ownership	100.000	TIAA Board of Overseers	.N	
			47-1535030	4750022			T-C 2 Herald Square Member LLC	.DE	.DS	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			47-1650509	4751711			T-C 2 Herald Square Venture LLC	.DE	.DS	T-C 2 Herald Square Member LLC	Ownership	51.000	TIAA Board of Overseers	.N	
			47-1488131	4753573	1629144		T-C 2 Herald Square Owner LLC	.DE	.DS	T-C 2 Herald Square Venture LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			27-2952349	4612045			T-C 1101 Pennsylvania Avenue LLC	.DE	.DS	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			27-2952617	4651398			T-C 1101 Pennsylvania Avenue Venture LLC	.DE	.DS	T-C 1101 Pennsylvania Avenue LLC	Ownership	51.000	TIAA Board of Overseers	.N	
			27-2952860	4863472	1577584		T-C 1101 Pennsylvania Avenue Owner LLC	.DE	.DS	T-C 1101 Pennsylvania Avenue Venture LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			46-1851206	4611954			T-C 33 Arch Street Member, LLC	.DE	.DS	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			46-1805501	4613985			T-C 33 Arch Street Venture, LLC	.DE	.DS	T-C 33 Arch Street Member, LLC	Ownership	51.000	TIAA Board of Overseers	.N	
			45-2792699	4617198	1577586		T-C 33 Arch Street, LLC	.DE	.DS	T-C 33 Arch Street Venture, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			46-1754709	4612018			T-C 470 Park Avenue South Member LLC	.DE	.DS	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			46-1744112	4613994			T-C 470 Park Avenue South Venture LLC	.DE	.DS	T-C 470 Park Avenue South Member LLC	Ownership	51.000	TIAA Board of Overseers	.N	
			46-1754243	4617321	1577563		T-C 470 Park Avenue South Owner LLC	.DE	.DS	T-C 470 Park Avenue South Venture LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			46-1828055	4612036			T-C 475 Fifth Avenue Member, LLC	.DE	.DS	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			46-1839003	4614889			T-C 475 Fifth Avenue Venture LLC	.DE	.DS	T-C 475 Fifth Avenue Member, LLC	Ownership	51.000	TIAA Board of Overseers	.N	
			45-3229803	4617330	1577564		T-C 475 Fifth Avenue, LLC	.DE	.DS	T-C 475 Fifth Avenue Venture LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			47-2189075	4763312			T-C 800 17th Street NW Member LLC	.DE	.DS	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			47-2118640	4763787			T-C 800 17th Street NW Venture LLC	.DE	.DS	T-C 800 17th Street NW Member LLC	Ownership	50.100	TIAA Board of Overseers	.N	
			47-2069910	4767730	1629146		T-C 800 17th Street NW Owner LLC	.DE	.DS	T-C 800 17th Street NW Venture LLC	Ownership	100.000	TIAA Board of Overseers	.N	
			47-4665824	4904366			T-C 888 Brannan Member LLC	.DE	.DS	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	.N	

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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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			47-4684031	4904955			T-C 888 Brannan Venture LLC	DE	DS	T-C 888 Brannan Member LLC	Ownership	50.100	TIAA Board of Overseers	N	
			47-4674147	4908319			T-C 888 Brannan Owner LLC	DE	DS	T-C 888 Brannan Venture LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-5605380	4971845			T-C 888 Brannan TRS, LLC	DE	DS	T-C 888 Brannan Owner LLC	Ownership	100.000	TIAA Board of Overseers	N	
			45-3479701	4612081			T-C 2300 Broadway, LLC	DE	DS	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-1220681	4612139			T-C Aspira LLC	DE	DS	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-1791581	4612054			T-C Franklin Square Member, LLC	DE	DS	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-1794486	4615569			T-C Franklin Square Venture LLC	DE	DS	T-C Franklin Square Member, LLC	Ownership	51.000	TIAA Board of Overseers	N	
			26-0011770	4617611	1577581		TIAA Franklin Square, LLC	DE	DS	T-C Franklin Square Venture LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-2023405	4763303			T-C Hall of States Member LLC	DE	DS	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-2043468	4763796			T-C Hall of States Venture LLC	DE	DS	T-C Hall of States Member LLC	Ownership	50.100	TIAA Board of Overseers	N	
			47-2034237	4767749	1629145		T-C Hall of States Owner LLC	DE	DS	T-C Hall of States Venture LLC	Ownership	100.000	TIAA Board of Overseers	N	
			45-4045658	4612148			T-C Kings Crossing, LLC	DE	DS	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-1120016	4601973			T-C Legacy Place Member, LLC	DE	DS	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-0876833	4628550			Legacy Place Associates, LLC	MA	DS	T-C Legacy Place Member, LLC	Ownership	50.000	TIAA Board of Overseers	N	
							300 Legacy Place Boulevard LLC	DE	DS	Legacy Place Associates, LLC	Ownership	100.000	TIAA Board of Overseers	N	
							Legacy Place Properties, LLC	MA	DS	Legacy Place Associates, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-2903922	4843326			T-C Republic Square Member LLC	DE	DS	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-2867784	4843979			T-C Republic Square Venture LLC	DE	DS	T-C Republic Square Member LLC	Ownership	50.100	TIAA Board of Overseers	N	
			47-3033681	4844659			T-C Republic Square REIT LLC	DE	DS	T-C Republic Square Venture LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-3091198	4844798			T-C Republic Square Mezzanine LLC	DE	DS	T-C Republic Square REIT LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-2793452	4847735			T-C Republic Square Owner LLC	DE	DS	T-C Republic Square Mezzanine LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-1379500	4749969			The Flats Holding Company LLC	DE	DS	T-C GA Real Estate Holdings, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-1347366	4752503			The Flats 130 DC Residential LLC	DE	DS	The Flats Holding Company LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-1363564	4752512			The Flats 140 DC Residential LLC	DE	DS	The Flats Holding Company LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-1367530	4751766			The Flats DC Grocery LLC	DE	DS	The Flats Holding Company LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-4567368	4651473			T-C JK I, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
				4680316			Adeoti Empreendimentos Imobiliários Ltda	BRA	DS	T-C JK I, LLC	Ownership	51.000	TIAA Board of Overseers	N	3200
			46-4587620	4651482			T-C JK II, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
				4680316			Adeoti Empreendimentos Imobiliários Ltda	BRA	DS	T-C JK II, LLC	Ownership	49.000	TIAA Board of Overseers	N	3200
			47-4095803	4864022			T-C Lux Fund Holdings LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
							T-C Lux Investments Special Limited Partnership	LUX	DS		Ownership	100.000	TIAA Board of Overseers	N	
				4896256						T-C Lux Fund Holdings LLC	Ownership	100.000	TIAA Board of Overseers	N	
							European Cities Partnership SCSp	LUX	DS	T-C Lux Investments Special Limited Partnership	Influence		TIAA Board of Overseers	N	1100
				4894805			Global Real Estate Debt Partners Fund I (UK)	LUX	DS	T-C Lux Investments Special Limited Partnership	Ownership	24.300	TIAA Board of Overseers	N	1900
			81-4583865	5137956			T-C MV Member LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			81-4599024	5147049			T-C M-T REIT LLC	DE	DS	T-C M-T Venture LLC	Ownership	99.900	TIAA Board of Overseers	N	
			47-1954609	4759605			T-C Mt. Ommaney Centre Holding Company LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			47-1828871	4749905			T-C Mt. Ommaney Centre LLC	DE	DS	T-C Mt. Ommaney Centre Holding Company LLC	Ownership	100.000	TIAA Board of Overseers	N	
			82-1023309	5117800			T-C Permian Investor LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			46-3007720	4599874			T-C SBMC Joint Venture LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			20-8309570	4601795			T-C SMA I, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			20-8309587	4619790			CPPIB-TIAA US Real Property Fund LP	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	50.000	TIAA Board of Overseers	N	3300

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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			20-8309587 20-8309622	4619790 4644019			CPPIB-TIAA US Real Property Fund LP C-T Shenandoah, LLC	DE DE	DS DS	T-C SMA 1, LLC CPPIB-TIAA US Real Property Fund LP	Ownership Ownership	1.000 100.000	TIAA Board of Overseers TIAA Board of Overseers	N N	3300
			36-4620008 36-4619998 47-1508630 26-2762767 26-2719700 47-2569491 27-4023559 81-2272411 46-3678318 45-3525878 27-3415834 46-4977129	4599128 4634029 4746968 4644028 4644037 4843317 4644046 5010666 4644103 4644112 4644130 4653909			T-C SMA 2, LLC PennMuni-TIAA U.S. Real Estate Fund, LLC T-C 526 Route 46 LLC T-C Barton Springs LLC T-C Century Plaza LLC T-C Copley LLC T-C Des Peres Corners LLC T-C Fairway Center II LLC T-C RDC, LLC T-C Scripps Ranch LLC T-C Shoppes at Monarch Lakes LLC T-C Uptown Apartments, LLC	DE DE DE DE DE DE DE DE DE DE DE DE	DS DS DS DS DS DS DS DS DS DS DS DS	Teachers Insurance and Annuity Association of America T-C SMA 2, LLC PennMuni-TIAA U.S. Real Estate Fund, LLC PennMuni-TIAA U.S. Real Estate Fund, LLC PennMuni-TIAA U.S. Real Estate Fund, LLC PennMuni-TIAA U.S. Real Estate Fund, LLC PennMuni-TIAA U.S. Real Estate Fund, LLC PennMuni-TIAA U.S. Real Estate Fund, LLC PennMuni-TIAA U.S. Real Estate Fund, LLC PennMuni-TIAA U.S. Real Estate Fund, LLC PennMuni-TIAA U.S. Real Estate Fund, LLC PennMuni-TIAA U.S. Real Estate Fund, LLC	Ownership Management Ownership Ownership Ownership Ownership Ownership Ownership Ownership Ownership Ownership Ownership	100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000	TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers	N N N N N N N N N N N N	
			27-1858182 81-2204918	4599137 4990976			T-C SMA III, LLC T-C The Edge at Flagler Village, LLC	DE DE	DS DS	Teachers Insurance and Annuity Association of America Teachers Insurance and Annuity Association of America	Ownership Ownership	100.000 100.000	TIAA Board of Overseers TIAA Board of Overseers	N N	
			81-2676934 81-2691474 81-3299073	5012370 5014299 5018635 5044586 5044586			T-C UK RE Holdings I, LLC T-C UK RE Holdings II, LLC T-C UK RE Holdings III, LLC Thurrock Retail Park Unit Trust Thurrock Retail Park Unit Trust	DE DE DE JEY JEY	DS DS DS DS DS	Teachers Insurance and Annuity Association of America T-C UK RE Holdings I, LLC T-C UK RE Holdings II, LLC T-C UK RE Holdings III, LLC T-C UK RE Holdings III, LLC T-C UK RE Holdings II, LLC	Ownership Ownership Ownership Ownership Ownership	100.000 100.000 100.000 99.500 0.500	TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers	N N N N N	3400 3400
			47-3148337 83-0977309 83-0990258 83-1015425 83-1028560 83-1046807 83-1059934 83-1070532 81-4717093	4894869 5098459 5104547			T-C U.S. Super Regional Mall Fund LP SRMF Baybrook REIT LLC SRMF Baybrook Investor TRS LLC SRMF Baybrook Investor Member LLC SRMF La Cantera REIT LLC SRMF La Cantera Investor Member LLC SRMF TMIC REIT LLC SRMF TMIC Investor Member LLC SRMF Town Square Investor Member LLC SRMF Town Square Venture LLC SRMF Town Square Owner LLC	DE DE DE DE DE DE DE DE DE DE DE	DS DS DS DS DS DS DS DS DS DS DS	Teachers Insurance and Annuity Association of America T-C U.S. Super Regional Mall Fund LP SRMF Baybrook REIT LLC SRMF Baybrook REIT LLC T-C U.S. Super Regional Mall Fund LP SRMF La Cantera REIT LLC T-C U.S. Super Regional Mall Fund LP SRMF TMIC REIT LLC T-C U.S. Super Regional Mall Fund LP SRMF Town Square Investor Member LLC SRMF Town Square Venture LLC	Management Ownership Ownership Ownership Ownership Ownership Ownership Ownership Ownership Ownership Ownership	100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000 85.000 100.000	TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers	N N N N N N N N N N N	
			47-4447657 47-5379777 47-5392075	4896322 4925512 4927785			T-C Pearl Reit 2 LLC T-C Waterford Blue Lagoon General Partner, LLC Waterford Blue Lagoon LP	DE DE DE	DS DS DS	Teachers Insurance and Annuity Association of America T-C Waterford Blue Lagoon General Partner, LLC Teachers Insurance and Annuity Association of America	Ownership Ownership Ownership	100.000 100.000 1.000	TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers	N N N	3500
			47-5375805 47-5392075	4925503 4927785			T-C Waterford Blue Lagoon, LLC Waterford Blue Lagoon LP	DE DE	DS DS	Teachers Insurance and Annuity Association of America T-C Waterford Blue Lagoon, LLC	Ownership Ownership	100.000 50.000	TIAA Board of Overseers TIAA Board of Overseers	N N	3500
			81-0779817 47-5321319 47-5635267 47-5580924	4930226 4930196 4933003 4932994			Westland At Waterford REIT General Partner LLC Westland At Waterford REIT LP Westland At Waterford General Partner LLC Westland At Waterford Operating LP	DE DE DE DE	DS DS DS DS	Waterford Blue Lagoon LP Waterford Blue Lagoon LP Westland At Waterford REIT LP Westland At Waterford REIT LP	Ownership Ownership Ownership Ownership	100.000 100.000 100.000 100.000	TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers	N N N N	
			47-5305678 47-5642524	4930244 4930208 4933067			Waterford Blue Lagoon REIT General Partner LLC Waterford Blue Lagoon REIT LP 5201-5301 Waterford General Partner LLC	DE DE DE	DS DS DS	Waterford Blue Lagoon LP Waterford Blue Lagoon LP Waterford Blue Lagoon REIT LP	Ownership Ownership Ownership	100.000 100.000 100.000	TIAA Board of Overseers TIAA Board of Overseers TIAA Board of Overseers	N N N	

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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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			47-5541032	4933012			5201-5301 Waterford Operating LP	.DE	.DS	Waterford Blue Lagoon REIT LP	Ownership.....	100.000	TIAA Board of Overseers	.N	
			47-5672651	4933076			5200 Waterford General Partner LLC	.DE	.DS	Waterford Blue Lagoon REIT LP	Ownership.....	100.000	TIAA Board of Overseers	.N	
			47-5498897	4933021			5200 Waterford Operating LP	.DE	.DS	Waterford Blue Lagoon REIT LP	Ownership.....	100.000	TIAA Board of Overseers	.N	
			81-0722154	4933085			1000 Waterford General Partner LLC	.DE	.DS	Waterford Blue Lagoon REIT LP	Ownership.....	100.000	TIAA Board of Overseers	.N	
			47-5479437	4933030			1000 Waterford Operating LP	.DE	.DS	Waterford Blue Lagoon REIT LP	Ownership.....	100.000	TIAA Board of Overseers	.N	
			47-5445045	4933115			703 Waterford General Partner LLC	.DE	.DS	Waterford Blue Lagoon REIT LP	Ownership.....	100.000	TIAA Board of Overseers	.N	
			47-5471474	4933049			703 Waterford Operating LP	.DE	.DS	Waterford Blue Lagoon REIT LP	Ownership.....	100.000	TIAA Board of Overseers	.N	
			47-5405436	4933124			701 Waterford General Partner LLC	.DE	.DS	Waterford Blue Lagoon REIT LP	Ownership.....	100.000	TIAA Board of Overseers	.N	
			47-5417563	4933058			701 Waterford Operating LP	.DE	.DS	Waterford Blue Lagoon REIT LP	Ownership.....	100.000	TIAA Board of Overseers	.N	
			81-0733012	4930217			Waterford Core General Partner LLC	.DE	.DS	Waterford Blue Lagoon LP	Ownership.....	100.000	TIAA Board of Overseers	.N	
			47-5587163	4928661			Waterford Core Operating LP	.DE	.DS	Waterford Blue Lagoon LP	Ownership.....	100.000	TIAA Board of Overseers	.N	
			82-2631273	5165557			Waterford Core REIT General Partner LLC	.DE	.DS	Waterford Blue Lagoon LP	Ownership.....	100.000	TIAA Board of Overseers	.N	
			82-2646233	5165566			Waterford Core REIT LP	.DE	.DS	Waterford Blue Lagoon LP	Ownership.....	100.000	TIAA Board of Overseers	.N	
			82-2663579	5165548			Waterford Core II Operating LP	.DE	.DS	Waterford Blue Lagoon LP	Ownership.....	100.000	TIAA Board of Overseers	.N	
			82-2672297	5165539			Waterford Core II General Partner LLC	.DE	.DS	Waterford Blue Lagoon LP	Ownership.....	100.000	TIAA Board of Overseers	.N	
							Teachers Insurance and Annuity Association of America								
			81-2146865	5041688			TEFF Holdco LLC	.DE	.DS	of America	Ownership.....	100.000	TIAA Board of Overseers	.N	
			98-1310748	5041660			TIAA European Farmland Fund GP LP	.CYM	.DS	TEFF Holdco LLC	Ownership.....	50.000	TIAA Board of Overseers	.N	400
			98-1310748	5042658			TIAA European Farmland Fund LP	.CYM	.DS	TEFF Holdco LLC	Management.....		TIAA Board of Overseers	.N	
				5043066			TEFF Holding S.a.r.l	.LUX	.DS	TIAA European Farmland Fund LP	Ownership.....	100.000	TIAA Board of Overseers	.N	
				5044607			TEFF Investments B.V.	.NLD	.DS	TEFF Holding S.a.r.l	Ownership.....	100.000	TIAA Board of Overseers	.N	
							Areal III Spolka z o.o.	.POL	.DS	TEFF Investments B.V.	Ownership.....	100.000	TIAA Board of Overseers	.N	
							Hodowla Zwierząt Zarodowych Choczewo Spolka z o.o.	.POL	.DS	Areal III SP. z o.o.	Ownership.....	100.000	TIAA Board of Overseers	.N	
							Hodowla Zwierząt Zarodowych Wierzychucino Spolka z o.o.	.POL	.DS	Areal III SP. z o.o.	Ownership.....	100.000	TIAA Board of Overseers	.N	
							Hodowla Zwierząt Zarodowych Zarnowiec Spolka z o.o.	.POL	.DS	Areal III SP. z o.o.	Ownership.....	100.000	TIAA Board of Overseers	.N	
				5093856			Dangro Invest SA	.DNK	.DS	TEFF Investments B.V.	Ownership.....	100.000	TIAA Board of Overseers	.N	
				5117408			AGRA Spolka z o.o.	.POL	.DS	Dangro Invest SA	Ownership.....	100.000	TIAA Board of Overseers	.N	
				5116456			AGAT Spolka z o.o.	.POL	.DS	Dangro Invest SA	Ownership.....	100.000	TIAA Board of Overseers	.N	
				5116447			AGRAMAX Spolka z o.o.	.POL	.DS	Dangro Invest SA	Ownership.....	100.000	TIAA Board of Overseers	.N	
				5116429			AGRIFARM Spolka z o.o.	.POL	.DS	Dangro Invest SA	Ownership.....	100.000	TIAA Board of Overseers	.N	
				5117332			AGRO – DUBLINY SP. z o.o.	.POL	.DS	Dangro Invest SA	Ownership.....	100.000	TIAA Board of Overseers	.N	
				5117341			AGROSERVICE Spolka z o.o.	.POL	.DS	Dangro Invest SA	Ownership.....	100.000	TIAA Board of Overseers	.N	
				5117350			AMAL Spolka z o.o.	.POL	.DS	Dangro Invest SA	Ownership.....	100.000	TIAA Board of Overseers	.N	
							CISY Spolka z o.o.	.POL	.DS	Dangro Invest SA	Ownership.....	100.000	TIAA Board of Overseers	.N	
				5117369			KOLNO Spolka z o.o.	.POL	.DS	Dangro Invest SA	Ownership.....	100.000	TIAA Board of Overseers	.N	
				5117378			MILKOWO Sp. Z o.o.	.POL	.DS	Dangro Invest SA	Ownership.....	100.000	TIAA Board of Overseers	.N	
				5117387			SEE-AGRO SP. z o.o.	.POL	.DS	Dangro Invest SA	Ownership.....	100.000	TIAA Board of Overseers	.N	
				5117396			SATOPY Spolka z o.o.	.POL	.DS	Dangro Invest SA	Ownership.....	100.000	TIAA Board of Overseers	.N	
				5104556			Pszenrol SA	.POL	.DS	Dangro Invest SA	Ownership.....	100.000	TIAA Board of Overseers	.N	
				5117417			AGROLAND Spolka z o.o.	.POL	.DS	Pszenrol SA	Ownership.....	100.000	TIAA Board of Overseers	.N	
				5117426			AGROPOL Spolka z o.o.	.POL	.DS	Pszenrol SA	Ownership.....	100.000	TIAA Board of Overseers	.N	
				5117435			BUDUS Spolka z o.o.	.POL	.DS	Pszenrol SA	Ownership.....	100.000	TIAA Board of Overseers	.N	
				5117444			CIESZYSLAW SP z o.o.	.POL	.DS	Pszenrol SA	Ownership.....	100.000	TIAA Board of Overseers	.N	
				5117453			FARMEX Spolka z o.o.	.POL	.DS	Pszenrol SA	Ownership.....	100.000	TIAA Board of Overseers	.N	
				5117462			JASIONNO Spolka z o.o.	.POL	.DS	Pszenrol SA	Ownership.....	100.000	TIAA Board of Overseers	.N	
				5117640			ROLA Spolka z o.o.	.POL	.DS	Pszenrol SA	Ownership.....	100.000	TIAA Board of Overseers	.N	
				5117659			ROLPOL Spolka z o.o.	.POL	.DS	Pszenrol SA	Ownership.....	100.000	TIAA Board of Overseers	.N	
				5117668			ROLZBUD Spolka z o.o	.POL	.DS	Pszenrol SA	Ownership.....	100.000	TIAA Board of Overseers	.N	
				5117695			SOBIERADZ Spolka z o.o.	.POL	.DS	Pszenrol SA	Ownership.....	100.000	TIAA Board of Overseers	.N	
				5117677			TELYN SP. z o.o.	.POL	.DS	Pszenrol SA	Ownership.....	100.000	TIAA Board of Overseers	.N	
				5117686			TOKARY Sp. z o.o.	.POL	.DS	Pszenrol SA	Ownership.....	100.000	TIAA Board of Overseers	.N	

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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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				5117707			TURKUS Sp. z o.o.	.POL	DS	Pszenrol SA	Ownership.....	100.000	TIAA Board of Overseers	..N	
				5117761			WALICHNOWY Sp. z o.o.	.POL	DS	Pszenrol SA	Ownership.....	100.000	TIAA Board of Overseers	..N	
				5117770			WEZINY Sp. z o.o.	.POL	DS	Pszenrol SA	Ownership.....	100.000	TIAA Board of Overseers	..N	
				5117789			ZIEMROL Spolka z o.o.	.POL	DS	Pszenrol SA	Ownership.....	100.000	TIAA Board of Overseers	..N	
				5117798			LOZICE Sp. z o.o.	.POL	DS	Pszenrol SA	Ownership.....	100.000	TIAA Board of Overseers	..N	
				5098486			Adamas SA	.POL	DS	Pszenrol SA	Ownership.....	100.000	TIAA Board of Overseers	..N	
				5116586			AMBER Sp. z o.o.	.POL	DS	Adamas SA	Ownership.....	100.000	TIAA Board of Overseers	..N	
				5116522			JAROSLAWSKO I SP. z o.o.	.POL	DS	Adamas SA	Ownership.....	100.000	TIAA Board of Overseers	..N	
				5116513			JAROSLAWSKO II SP. z o.o.	.POL	DS	Adamas SA	Ownership.....	100.000	TIAA Board of Overseers	..N	
				5116492			OGARDY Sp. z o.o.	.POL	DS	Adamas SA	Ownership.....	100.000	TIAA Board of Overseers	..N	
				5116483			OPAL Sp z o.o.	.POL	DS	Adamas SA	Ownership.....	100.000	TIAA Board of Overseers	..N	
				5116465			SZAFIR Sp. z o.o.	.POL	DS	Adamas SA	Ownership.....	100.000	TIAA Board of Overseers	..N	
							Gospodarstwo Okopy Sp. z o.o.	.POL	DS	TEFF Investments B.V.	Ownership.....	100.000	TIAA Board of Overseers	..N	
							Przedsiębiorstwo Rolne Okopy Sp. z o.o.	.POL	DS	Gospodarstwo Okopy Sp. z o.o.	Ownership.....	100.000	TIAA Board of Overseers	..N	
							Agrohop Bielice Sp. z o.o.	.POL	DS	Gospodarstwo Okopy Sp. z o.o.	Ownership.....	100.000	TIAA Board of Overseers	..N	
							Agrohop Service Sp. z o.o.	.POL	DS	Agrohop Bielice Sp. z o.o.	Ownership.....	100.000	TIAA Board of Overseers	..N	
							Agrohop Sp. z o.o.	.POL	DS	Agrohop Service Sp. z o.o.	Ownership.....	100.000	TIAA Board of Overseers	..N	
							Agrohop Bis Sp. z o.o.	.POL	DS	Agrohop Sp. z o.o.	Ownership.....	100.000	TIAA Board of Overseers	..N	
			82-1645257	5183412			TGA 127-137 Franklin LLC	.DE	DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	..N	
			81-2769108	5012389			TGA 299 Franklin LLC	.DE	DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	..N	
			81-3988795	5049479			TGA 600 College Road LLC	.DE	DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	..N	
			83-2548459				TGA 730 Third Avenue Owner LLC	.DE	DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	..N	
			83-2957526				TGA 3401 North Ashton Blvd LLC	.DE	DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	..N	
			82-4830474				TGA 3851 Grandpine Way LLC	.DE	DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	..N	
			82-2225812				TGA APAC Fund Holdings, LLC	.DE	DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	..N	
			82-2311300				Asia Pacific Cities Fund, FCP	.LUX	DS	TGA APAC Fund Holdings, LLC	Ownership.....	38.640	TIAA Board of Overseers	..N	3600
							TGA Real Estate Fund Holdings, LLC	.DE	DS	TGA APAC Fund Holdings, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	
							Asia Pacific Cities Fund, FCP	.LUX	DS	TGA Real Estate Fund Holdings, LLC	Ownership.....	38.640	TIAA Board of Overseers	..N	3600
			83-1851559				TGA Barnes Canyon Life Science LLC	.DE	DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	..N	
			83-3799476				TGA Central Green LLC	.DE	DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	..N	
			83-0780652				TGA Connections at Athens Investor Member LLC	.DE	DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	..N	
			61-1892161				PEP-TH Athens, LLC	.DE	DS	TGA Connections at Athens Investor Member LLC	Ownership.....	98.000	TIAA Board of Overseers	..N	
			83-1011298				PEP Athens, LLC	.DE	DS	PEP-TH Athens, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	
				5049497			TGA FC Investor Member LLC	.DE	DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	..N	
			82-2708488				Fenway Center Holding 1-2, LLC	.DE	DS	TGA FC Investor Member LLC	Ownership.....	50.000	TIAA Board of Overseers	..N	
			82-2708488				Fenway Center Owner 1-2, LLC	.DE	DS	Fenway Center Holding 1-2, LLC	Ownership.....	100.000	TIAA Board of Overseers	..N	
			83-2810033				TGA European RE Holdings I, LLC	.DE	DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	..N	
							Eagle GPCo S.à r.l.	.LUX	DS	TGA European RE Holdings I, LLC	Ownership.....	89.500	TIAA Board of Overseers	..N	
							Eagle Partnership SCSp	.LUX	DS	TGA European RE Holdings I, LLC	Ownership.....	89.500	TIAA Board of Overseers	..N	
							Eagle JVCo S.à r.l.	.LUX	DS	Eagle Partnership SCSp	Ownership.....	100.000	TIAA Board of Overseers	..N	
							CB Krieau Dzwei GmbH	.AUT	DS	Eagle JVCo S.à r.l.	Ownership.....	100.000	TIAA Board of Overseers	..N	



STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

**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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							Viertel Zwei Entwicklung GmbH & Co Studenthouse KG	..AUT	..DS	CB Krieau Dzwei GmbH	Ownership.....	..6.000	TIAA Board of Overseers	..N	..3700
							Eagle Austria Holdings S.à r.l.	..LUX	..DS	Eagle JVCo S.à r.l.	Ownership.....	..100.000	TIAA Board of Overseers	..N	
							Viertel Zwei Entwicklung GmbH & Co Studenthouse KG	..AUT	..DS	Eagle Austria Holdings S.à r.l.	Ownership.....	..94.000	TIAA Board of Overseers	..N	..3700
							Studenthouse Rua Manuel Pereira, S.A	..PRT	..DS	Eagle JVCo S.à r.l.	Ownership.....	..100.000	TIAA Board of Overseers	..N	
			81-3602072	5040551			TGA Japan Holdings, LLC	..DE	..DS	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Overseers	..N	
			5047710				TGA Japan Holdings Pte Ltd	..SGP	..DS	TGA Japan Holdings, LLC	Ownership.....	..100.000	TIAA Board of Overseers	..N	
			5048771				TGA Japan GK Holdings Pte Ltd	..SGP	..DS	TGA Japan Holdings Pte Ltd	Ownership.....	..100.000	TIAA Board of Overseers	..N	
			5049929				TGA Ginza115 GK	..JPN	..DS	TGA Japan GK Holdings Pte Ltd	Ownership.....	..99.000	TIAA Board of Overseers	..N	
			5049938				TGA Ginza115 TMK	..JPN	..DS	TGA Japan GK Holdings Pte Ltd	Ownership.....	..51.000	TIAA Board of Overseers	..N	..3800
			5048762				TGA Ginza 115 Holdings Pte Ltd	..SGP	..DS	TGA Japan Holdings Pte Ltd	Ownership.....	..100.000	TIAA Board of Overseers	..N	
			5049938				TGA Ginza115 TMK	..JPN	..DS	TGA Ginza 115 Holdings Pte Ltd	Ownership.....	..49.000	TIAA Board of Overseers	..N	..3800
			5050064				TGA Ginza115 ISH	..JPN	..DS	TGA Ginza 115 Holdings Pte Ltd	Ownership.....	..100.000	TIAA Board of Overseers	..N	
			82-1169084				TGA MKP Member LLC	..DE	..DS	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Overseers	..N	
			82-1198745				TGA MKP Venture LLC	..DE	..DS	TGA MKP Member LLC	Ownership.....	..60.000	TIAA Board of Overseers	..N	
			82-1187131				TGA MKP REIT LLC	..DE	..DS	TGA MKP Venture LLC	Ownership.....	..100.000	TIAA Board of Overseers	..N	
			81-4232788	5075722			TGA Montague Investor Member, LLC	..DE	..DS	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Overseers	..N	
				5093780			RCD TGA Pierrepont Partners LLC	..DE	..DS	TGA Montague Investor Member, LLC	Ownership.....	..51.600	TIAA Board of Overseers	..N	
			81-3542251	5040542			TGA Montrose Residences Investor Member, LLC	..DE	..DS	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Overseers	..N	
			81-2872565	5047635			The Residences at La Colombe d'Or Investors LLC	..DE	..DS	TGA Montrose Residences Investor Member, LLC	Ownership.....	..90.000	TIAA Board of Overseers	..N	
			83-1916152				TGA MS Self Storage Investor Member LLC	..DE	..DS	Teachers Insurance and Annuity Association of America	Ownership.....	..100.000	TIAA Board of Overseers	..N	
			83-2379583				Morningstar NRE Self Storage Portfolio LLC	..DE	..DS	TGA MS Self Storage Investor Member LLC	Ownership.....	..90.000	TIAA Board of Overseers	..N	
							MSC Tallahassee, LLC	..DE	..DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	..100.000	TIAA Board of Overseers	..N	
							MSC Bentonville, LLC	..DE	..DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	..100.000	TIAA Board of Overseers	..N	
							MSC Carolinas, LLC	..DE	..DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	..100.000	TIAA Board of Overseers	..N	
							MSC Dam Storage, LLC	..DE	..DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	..100.000	TIAA Board of Overseers	..N	
							MSC Yorktown, LLC	..DE	..DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	..100.000	TIAA Board of Overseers	..N	
							MSC Greenhouse, LLC	..DE	..DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	..100.000	TIAA Board of Overseers	..N	
							MSC Midtown Atlanta, LLC	..DE	..DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	..100.000	TIAA Board of Overseers	..N	
							MSC Kems Landing, LLC	..DE	..DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	..100.000	TIAA Board of Overseers	..N	
							MSC South End, LLC	..DE	..DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	..100.000	TIAA Board of Overseers	..N	
							MSC MTP, LLC	..DE	..DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	..100.000	TIAA Board of Overseers	..N	
							MSC Peachtree, LLC	..DE	..DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	..100.000	TIAA Board of Overseers	..N	
							MSC Evans Rd, LLC	..DE	..DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	..100.000	TIAA Board of Overseers	..N	

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

**SCHEDULE Y**

**PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM**

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Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
							MSC SW Austin, LLC .....	DE	DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers .....	N	
							MSC Buda, LLC .....	DE	DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers .....	N	
							MSC Boerne, LLC .....	DE	DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers .....	N	
							MSC Spring Branch, LLC .....	DE	DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers .....	N	
							MSC Highway 521 Storage, LLC .....	DE	DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			83-4153778				TGA Near East LLC .....	DE	DS	Teachers Insurance and Annuity Association of America .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
							TGA NJAHP Investor Member LLC .....	DE	DS	Teachers Insurance and Annuity Association of America .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
							NJAHP Preservation Associates JV LLC .....	DE	DS	TGA NJAHP Investor Member LLC .....	Ownership.....	90.440	TIAA Board of Overseers .....	N	
			83-1934291				TGA Oak View Mall LLC .....	DE	DS	Teachers Insurance and Annuity Association of America .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			83-3250233				TGA Pleasant Prairie Center LLC .....	DE	DS	Teachers Insurance and Annuity Association of America .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			83-2938932				TGA Sandy Commerce Park LLC .....	DE	DS	Teachers Insurance and Annuity Association of America .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			83-2063402				TGA SP-MPC Housing Investor Member LLC .....	DE	DS	Teachers Insurance and Annuity Association of America .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			83-2147240				TGA-SP Housing Venture I LLC .....	DE	DS	TGA SP-MPC Housing Investor Member LLC .....	Ownership.....	87.500	TIAA Board of Overseers .....	N	
			83-2123785				TGA SP-MPC Housing Venture I LLC .....	DE	DS	TGA-SP Housing Venture I LLC .....	Ownership.....	97.000	TIAA Board of Overseers .....	N	
			83-1869494				MPSP Ashwood MHC LLC .....	DE	DS	TGA SP-MPC Housing Venture I LLC .....	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			83-1869400				MPSP Ashwood Homes LLC .....	DE	DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			83-1076792				MPSP Center Grove MHC LLC .....	DE	DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			83-1088601				MPSP Center Grove Homes LLC .....	DE	DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			83-2290040				MPSP Center Grove Lender LLC .....	DE	DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			83-4241248				MPSP Fairlane Oaks MHC LLC .....	DE	DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			83-4260197				MPSP Fairlane Oaks Homes LLC .....	DE	DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			83-4283444				MPSP Fairlane Oaks Lender LLC .....	DE	DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			83-1205616				MPSP Lemon Tree MHC LLC .....	DE	DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			83-1213262				MPSP Lemon Tree Homes LLC .....	DE	DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			83-1230714				MPSP Mobile Gardens MHC LLC .....	DE	DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			83-1230821				MPSP Mobile Gardens Homes LLC .....	DE	DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			83-2700544				MPSP Shiloh MHC LLC .....	DE	DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			83-2700633				MPSP Shiloh Homes LLC .....	DE	DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers .....	N	
			83-2725391				MPSP Shiloh Lender LLC .....	DE	DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers .....	N	

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

**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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			83-2725560				MPSP Stonegate MHC LLC	DE	DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
							MPSP Stonegate Homes LLC	DE	DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
							MPSP Stonegate Lender LLC	DE	DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
			83-2861026				MPSP Windsong MHC LLC	DE	DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
			83-2848324				MPSP Windsong Homes LLC	DE	DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
			83-2848439				MPSP Windsong Lender LLC	DE	DS	Morningstar NRE Self Storage Portfolio LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
			83-0723201				TGA Yorktown Trinity Groves LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
			81-1994278	5018626			TGAM Agribusiness Fund LP	DE	DS	Teachers Insurance and Annuity Association of America	Ownership.....	97.400	TIAA Board of Overseers	N	
			82-0646994	5077164			TGAM Agribusiness Fund Holdings LP	DE	DS	TGAM Agribusiness Fund LP	Ownership.....	86.800	TIAA Board of Overseers	N	
			82-2826183				TIAA Administrative Services LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
				4900500			TIAA CLO I Ltd	CYM	DS	Teachers Insurance and Annuity Association of America	Management.....		TIAA Board of Overseers	N	
				5049965			TIAA CLO I LLC	DE	DS	TIAA CLO I Ltd	Ownership.....	100.000	TIAA Board of Overseers	N	
			84-1905731				TIAA CLO I Holding, LLC	DE	DS	TIAA CLO I Ltd	Ownership.....	100.000	TIAA Board of Overseers	N	
							TIAA CLO II Ltd	CYM	DS	Teachers Insurance and Annuity Association of America	Management.....		TIAA Board of Overseers	N	
							TIAA CLO II LLC	DE	DS	TIAA CLO II Ltd	Ownership.....	100.000	TIAA Board of Overseers	N	
			84-1921751				TIAA CLO II Holding, LLC	DE	DS	TIAA CLO II Ltd	Ownership.....	100.000	TIAA Board of Overseers	N	
				5157860			TIAA CLO III Ltd	CYM	DS	Teachers Insurance and Annuity Association of America	Management.....		TIAA Board of Overseers	N	
							TIAA CLO III LLC	DE	DS	TIAA CLO III Ltd	Ownership.....	100.000	TIAA Board of Overseers	N	
							TIAA CLO IV Ltd	CYM	DS	Teachers Insurance and Annuity Association of America	Management.....		TIAA Board of Overseers	N	
							TIAA CLO V Ltd	CYM	DS	Teachers Insurance and Annuity Association of America	Management.....		TIAA Board of Overseers	N	
			13-4173396	4599203			TIAA CMBS I, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
			13-4173396	4602774			TIAA CMBS I Trust	DE	DS	TIAA CMBS I, LLC	Ownership.....	100.000	TIAA Board of Overseers	N	
			47-4570655	4900498			TIAA Diversified Public Investments, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
			90-0615674	3838857	1502749		TIAA FSB Holdings, Inc.	DE	DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	Y	
							Everbank Funding, LLC	DE	DS	TIAA FSB Holdings, Inc.	Ownership.....	100.000	TIAA Board of Overseers	N	
			59-3531592	2735146			TIAA, FSB	US	DS	TIAA FSB Holdings, Inc.	Ownership.....	100.000	TIAA Board of Overseers	N	
			59-3547521	4318057			AMC Holding, Inc.	FL	DS	TIAA, FSB	Ownership.....	100.000	TIAA Board of Overseers	N	
			43-1823879	4318066			Customerone Financial Network, Inc.	DE	DS	AMC Holding, Inc.	Ownership.....	100.000	TIAA Board of Overseers	N	
			36-1208070	4460817			Business Property Lending, Inc.	DE	DS	TIAA, FSB	Ownership.....	100.000	TIAA Board of Overseers	N	
			11-3642567	4318178			Elite Lender Services, Inc.	FL	DS	TIAA, FSB	Ownership.....	100.000	TIAA Board of Overseers	N	
			61-1560018	4318217	1436613		Tygris Commercial Financial Group, Inc.	DE	DS	TIAA, FSB	Ownership.....	100.000	TIAA Board of Overseers	N	
			20-0716627	4318226			TIAA Commercial Finance, Inc.	DE	DS	Tygris Commercial Financial Group, Inc.	Ownership.....	100.000	TIAA Board of Overseers	N	
			26-2483829	3867400			Tygris Asset Finance, Inc.	DE	DS	Tygris Commercial Financial Group, Inc.	Ownership.....	100.000	TIAA Board of Overseers	N	
			81-1241294	4979391			TIAA GBS Holding LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership.....	100.000	TIAA Board of Overseers	N	
				5003789			TIAA GBS Singapore Holding Company Pte. Ltd.	SGP	DS	TIAA GBS Holding LLC	Ownership.....	100.000	TIAA Board of Overseers	N	

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

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Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
				5006838			TIAA Global Business Services (India) Private Limited	IND	DS	TIAA GBS Singapore Holding Company Pte. Ltd.	Ownership	100.000	TIAA Board of Overseers	N	
			27-5551198	4599267			TIAA Global Ag Holdco LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			45-5044364	4627124			Global Agriculture AIV (US), LLC	DE	DS	TIAA Global Ag Holdco LLC	Ownership	98.100	TIAA Board of Overseers	N	
			45-1531685	4643580			Global Ag Properties USA LLC	DE	DS	Global Agriculture AIV (US), LLC	Management		TIAA Board of Overseers	N	
			80-0843991	4644877			Loma del Rio Vineyards, LLC	DE	DS	Global Ag Properties USA LLC	Ownership	55.000	TIAA Board of Overseers	N	1800
			46-2577906	4643973			Sugarloaf Vineyard, LLC	DE	DS	Global Ag Properties USA LLC	Ownership	100.000	TIAA Board of Overseers	N	
			27-5551341	4639994			TIAA-CREF Global Agriculture LLC	DE	DS	TIAA Global Ag Holdco LLC	Management		TIAA Board of Overseers	N	
				4643357			Global AG Properties Australia Pty, Ltd	AUS	DS	TIAA-CREF Global Agriculture LLC	Ownership	100.000	TIAA Board of Overseers	N	
				4643571			Global AG Properties Australia Trust	AUS	DS	TIAA-CREF Global Agriculture LLC	Ownership	100.000	TIAA Board of Overseers	N	
				4643094			Nova Gaia Brasil Participaco Ltda.	BRA	DS	TIAA-CREF Global Agriculture LLC	Ownership	100.000	TIAA Board of Overseers	N	3900
				4644493			Tellus Brasil Participaco S.A.	BRA	DS	Nova Gaia Brasil Participaco Ltda.	Management		TIAA Board of Overseers	N	4000
				4644484			Terraviva Brasil Participaco Ltda.	BRA	DS	Nova Gaia Brasil Participaco Ltda.	Ownership	100.000	TIAA Board of Overseers	N	4100
				4644493			Tellus Brasil Participaco S.A.	BRA	DS	Terraviva Brasil Participaco Ltda.	Management		TIAA Board of Overseers	N	4000
				4863490			Agrobio Investimentos e Participações S.A.	BRA	DS	Tellus Brasil Participaco S.A.	Ownership	100.000	TIAA Board of Overseers	N	
				4646321			Cerpon Participações S.A.	BRA	DS	Tellus Brasil Participaco S.A.	Ownership	100.000	TIAA Board of Overseers	N	
				4725758			Nova Ibiajara Propriedades Agrícolas S.A.	BRA	DS	Tellus Brasil Participaco S.A.	Ownership	100.000	TIAA Board of Overseers	N	
				4653954			Tellus Bahia Propriedades Agrícolas Ltda.	BRA	DS	Tellus Brasil Participaco S.A.	Ownership	100.000	TIAA Board of Overseers	N	
				4653981			Jatobá Propriedades Agrícolas Ltda.	BRA	DS	Tellus Brasil Participaco S.A.	Ownership	100.000	TIAA Board of Overseers	N	
				4644505			Terra do Sol Propriedades Agrícolas S.A.	BRA	DS	Tellus Brasil Participaco S.A.	Ownership	100.000	TIAA Board of Overseers	N	
				4644514			Terrainvest Propriedades Agrícolas S.A.	BRA	DS	Tellus Brasil Participaco S.A.	Ownership	100.000	TIAA Board of Overseers	N	
				4646282			Tparone Participações S.A.	BRA	DS	Tellus Brasil Participaco S.A.	Ownership	100.000	TIAA Board of Overseers	N	
				4646303			Toperone Agrícola S.A.	BRA	DS	Tparone Participações S.A.	Ownership	100.000	TIAA Board of Overseers	N	
				4646291			Tpartwo Participações S.A.	BRA	DS	Tellus Brasil Participaco S.A.	Ownership	100.000	TIAA Board of Overseers	N	
				4646312			Topertwo Agrícola S.A.	BRA	DS	Tpartwo Participações S.A.	Ownership	100.000	TIAA Board of Overseers	N	
			45-1502187	4640011			TIAA-CREF Global Agriculture BR, LLC	DE	DS	TIAA-CREF Global Agriculture LLC	Ownership	100.000	TIAA Board of Overseers	N	
				4643094			Nova Gaia Brasil Participaco Ltda.	BRA	DS	TIAA-CREF Global Agriculture BR, LLC	Ownership	0.000	TIAA Board of Overseers	N	3900
				4644484			Terraviva Brasil Participaco Ltda.	BRA	DS	TIAA-CREF Global Agriculture BR, LLC	Ownership	0.000	TIAA Board of Overseers	N	4100
			47-1083514	4753582			Global Agriculture II AIV (US) LLC	DE	DS	TIAA Global Ag Holdco LLC	Management		TIAA Board of Overseers	N	
			47-1069783	4755438			Global Ag Properties II USA LLC	DE	DS	Global Agriculture II AIV (US) LLC	Management		TIAA Board of Overseers	N	
			47-0974399	4753591	1616610		TIAA-CREF Global Agriculture II LLC	DE	DS	TIAA Global Ag Holdco LLC	Management		TIAA Board of Overseers	N	
				4900519			Agrícola Ag II Limitada	CHL	DS	TIAA-CREF Global Agriculture II LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-3459636	4845704			Global Ag II FFI LLC	DE	DS	TIAA-CREF Global Agriculture II LLC	Ownership	100.000	TIAA Board of Overseers	N	
				4894823			Global Ag Properties II Australia Pty, Ltd.	AUS	DS	TIAA-CREF Global Agriculture II LLC	Ownership	100.000	TIAA Board of Overseers	N	
				4794286			Global Ag Properties II Australia Trust	AUS	DS	TIAA-CREF Global Agriculture II LLC	Ownership	100.000	TIAA Board of Overseers	N	
				5040524			Global Ag Properties II New Zealand LP	NZL	DS	TIAA-CREF Global Agriculture II LLC	Ownership	100.000	TIAA Board of Overseers	N	
				4755456			Helios Brasil Participacoes, Ltda.	BRA	DS	TIAA-CREF Global Agriculture II LLC	Ownership	100.000	TIAA Board of Overseers	N	
				4794295			Janus Brasil Participacoes, S.A.	BRA	DS	Helios Brasil Participacoes, Ltda.	Management		TIAA Board of Overseers	N	4200
				4757012			Iris Brasil Participaco Ltda.	BRA	DS	Helios Brasil Participacoes, Ltda.	Ownership	100.000	TIAA Board of Overseers	N	
				4794295			Janus Brasil Participacoes, S.A.	BRA	DS	Iris Brasil Participaco Ltda.	Management		TIAA Board of Overseers	N	4200
				4801782			AGW Empreendimentos e Participações S.A.	BRA	DS	Janus Brasil Participacoes, S.A.	Ownership	100.000	TIAA Board of Overseers	N	
				5147030			Araucaria Propriedades Agrícolas Ltda	BRA	DS	Janus Brasil Participacoes, S.A.	Ownership	100.000	TIAA Board of Overseers	N	
				4901459			Aroeira Propriedades Agrícolas Ltda	BRA	DS	Janus Brasil Participacoes, S.A.	Ownership	100.000	TIAA Board of Overseers	N	
							Buriti Propriedades Agrícolas LTDA	BRA	DS	Janus Brasil Participacoes, S.A.	Ownership	100.000	TIAA Board of Overseers	N	
							Carnauba Propriedades Agrícolas LTDA	BRA	DS	Janus Brasil Participacoes, S.A.	Ownership	100.000	TIAA Board of Overseers	N	
							Carvalho Propriedades Agrícolas LTDA	BRA	DS	Janus Brasil Participacoes, S.A.	Ownership	100.000	TIAA Board of Overseers	N	
							Cedro Propriedades Agrícolas Ltda	BRA	DS	Janus Brasil Participacoes, S.A.	Ownership	100.000	TIAA Board of Overseers	N	
				4801700			Companhia Agrícola Botucatu	BRA	DS	Janus Brasil Participacoes, S.A.	Ownership	100.000	TIAA Board of Overseers	N	
							Copaiba Propriedades Agrícolas Ltda	BRA	DS	Janus Brasil Participacoes, S.A.	Ownership	100.000	TIAA Board of Overseers	N	
							Embauba Propriedades Agrícolas Ltda	BRA	DS	Janus Brasil Participacoes, S.A.	Ownership	100.000	TIAA Board of Overseers	N	
				4802145			Esus Brasil Participações S.A.	BRA	DS	Janus Brasil Participacoes, S.A.	Ownership	100.000	TIAA Board of Overseers	N	
				5087855			Itauba Propriedades Agrícolas Ltda	BRA	DS	Janus Brasil Participacoes, S.A.	Ownership	100.000	TIAA Board of Overseers	N	
							Jacaranda Propriedades Agrícolas LTDA	BRA	DS	Janus Brasil Participacoes, S.A.	Ownership	100.000	TIAA Board of Overseers	N	

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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
				4801773			Jatoba S.A. ....	.BRA	DS	Janus Brasil Participacoes, S.A. ....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
				4894832			Jequitibá Propriedades Agrícolas Ltda .....	.BRA	DS	Janus Brasil Participacoes, S.A. ....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
							Mangueira Propriedades Agrícolas LTDA .....	.BRA	DS	Janus Brasil Participacoes, S.A. ....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
							Oiti Propriedades Agrícolas Ltda .....	.BRA	DS	Janus Brasil Participacoes, S.A. ....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
				4901468			Samambaia Propriedades Agrícolas Ltda .....	.BRA	DS	Janus Brasil Participacoes, S.A. ....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
				4901477			Seringueira Propriedades Agrícolas Ltda .....	.BRA	DS	Janus Brasil Participacoes, S.A. ....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
							Tapia Propriedades Agrícolas Ltda .....	.BRA	DS	Janus Brasil Participacoes, S.A. ....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
			47-1062423	4755447			TIAA-CREF Global Agriculture II BR, LLC .....	.DE	DS	TIAA-CREF Global Agriculture II LLC .....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
							Teachers Insurance and Annuity Association of America .....			Teachers Insurance and Annuity Association of America .....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
			46-2860100	4599276			TIAA Global Equity Income, LLC .....	.DE	DS	Teachers Insurance and Annuity Association of America .....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
			26-3594208	4863502			TIAA Global Public Investments, LLC .....	.DE	DS	Teachers Insurance and Annuity Association of America .....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
							Teachers Insurance and Annuity Association of America .....			Teachers Insurance and Annuity Association of America .....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
			46-3881813	4599892			TIAA GTR HoldCo, LLC .....	.DE	DS	TIAA GTR HoldCo, LLC .....	Ownership.....	50.000	TIAA Board of Overseers .....	.N	
			46-3210500	4724023			Global Timber Resources LLC .....	.DE	DS	Global Timber Resources LLC .....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
			46-3909387	4868431			Global Timber SA LLC .....	.DE	DS	Global Timber Resources LLC .....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
			46-3899490	4801906			Global Timber International LLC .....	.DE	DS	Global Timber Resources LLC .....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
				4802789			Global Timber Spain, SL .....	.ESP	DS	Global Timber International LLC .....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
				4868440			Forestal GTR Chile Limitada .....	.CHL	DS	Global Timber Spain, SL .....	Ownership.....	99.900	TIAA Board of Overseers .....	.N	
			98-1206384	4803151			Forestal Monterrey Colombia SAS .....	.COL	DS	Global Timber Spain, SL .....	Ownership.....	82.400	TIAA Board of Overseers .....	.N	
				5165454			Global Timber Resources Colombia, S.A.S. ....	.COL	DS	Global Timber Spain, SL .....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
							Monte Fresno Asociacion Agraria de Responsabilidad LTDA .....	.URY	DS	Global Timber Spain, SL .....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
				5183458			Monte Fresno, S.A. ....	.URY	DS	Global Timber Spain, SL .....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
				5183421			Taurion Asociacion Agraria de Responsabilidad LTDA .....	.URY	DS	Global Timber Spain, SL .....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
				5183430			Taurion, S.A. ....	.URY	DS	Global Timber Spain, SL .....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
				5183449			GT Europe Cooperatief U.A. ....	.NLD	DS	Global Timber International LLC .....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
				4866905			Global Timber NL, B.V. ....	.NLD	DS	GT Europe Cooperatief U.A. ....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
				4900425			GTR Brasil Participacoes Ltda .....	.BRA	DS	Global Timber NL, B.V. ....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
				4901543			Brasilwood Reflorestamento S.A. ....	.BRA	DS	GTR Brasil Participacoes Ltda .....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
				4902380			Brasilwood Terras Florestais S.A. ....	.BRA	DS	GTR Brasil Participacoes Ltda .....	Ownership.....	96.300	TIAA Board of Overseers .....	.N	
							Khaya Woods Investimentos Florestais LTDA. ....	.BRA	DS	GTR Brasil Participacoes Ltda .....	Ownership.....	80.000	TIAA Board of Overseers .....	.N	
							Mamoneira Agropastoril S.A. ....	.BRA	DS	GTR Brasil Participacoes Ltda .....	Influence.....		TIAA Board of Overseers .....	.N	
				5198809			Jatoba Brasil Investimentos Florestais Ltda .....	.BRA	DS	GTR Brasil Participacoes Ltda .....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
				5198818			Paineira Investimentos Florestais S.A. ....	.BRA	DS	GTR Brasil Participacoes Ltda .....	Ownership.....	97.000	TIAA Board of Overseers .....	.N	
							IPOPEMA 95 Closed Investment Fund of Non-Public Assets .....	.POL	DS	Global Timber NL, B.V. ....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
				4801915			EKO Topola Sp. z.o.o. ....	.POL	DS	IPOPEMA 95 Closed Investment Fund of Non-Public Assets .....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
				4868422			Brusno Resort Sp. z.o.o. ....	.POL	DS	IPOPEMA 95 Closed Investment Fund of Non-Public Assets .....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
				4802800			Teachers Insurance and Annuity Association of America .....			Teachers Insurance and Annuity Association of America .....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
			45-3479281	4599306			TIAA Infrastructure Investments, LLC .....	.DE	DS	TIAA Infrastructure Investments, LLC .....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
			81-5307354	51539833			730 Parking LLC .....	.DE	DS	730 Parking LLC .....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
			81-5302296	5157879			730 Interpark, LLC .....	.DE	DS	TIAA Infrastructure Investments, LLC .....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
				4626109			Aquila Sonnet LP .....	.CAN	DS	TIAA Infrastructure Investments, LLC .....	Influence.....		TIAA Board of Overseers .....	.N	
				4936107			A-30 Canadian Transport Inc. ....	.CAN	DS	TIAA Infrastructure Investments, LLC .....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
				4887571			1867 Infrastructure Holdings Inc. ....	.CAN	DS	A-30 Canadian Transport Inc. ....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
				4946843			ACS NA30 Holding Inc. ....	.CAN	DS	1867 Infrastructure Holdings Inc. ....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
				4947327			Iridium Nouvelle Autoroute 30 Inc. ....	.CAN	DS	ACS NA30 Holding Inc. ....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	
				4645847			Nouvelle Autoroute 30, s.e.n.c. ....	.CAN	DS	Iridium Nouvelle Autoroute 30 Inc. ....	Ownership.....	50.000	TIAA Board of Overseers .....	.N	
			30-0701953	4619530			TORO/EPP II, LLC .....	.DE	DS	TIAA Infrastructure Investments, LLC .....	Influence.....		TIAA Board of Overseers .....	.N	
			38-3857916	4602813			I 595 Toll Road, LLC .....	.DE	DS	TIAA Infrastructure Investments, LLC .....	Ownership.....	100.000	TIAA Board of Overseers .....	.N	

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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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			26-4139252	4643339			I 595 Express, LLC	DE	DS	I 595 Toll Road, LLC	Ownership	50.000	TIAA Board of Overseers	N	
			46-5279686	4810775			North American Sustainable Energy Fund, L.P.	DE	DS	TIAA Infrastructure Investments, LLC	Ownership	100.000	TIAA Board of Overseers	N	
				4895660			McCommas Bluff Holdings LLC	DE	DS	North American Sustainable Energy Fund, L.P.	Influence		TIAA Board of Overseers	N	
				4896331			Dallas Clean Energy, LLC	DE	DS	McCommas Bluff Holdings LLC	Ownership	51.000	TIAA Board of Overseers	N	
				4900407			Dallas Clean Energy McCommas Bluff, LLC	DE	DS	Dallas Clean Energy, LLC	Ownership	100.000	TIAA Board of Overseers	N	
				4946852			Energy Power Investment Company, LLC	DE	DS	North American Sustainable Energy Fund, L.P.	Ownership	90.500	TIAA Board of Overseers	N	
				4947318			EPP Renewable Energy, LLC	DE	DS	Energy Power Investment Company, LLC	Ownership	100.000	TIAA Board of Overseers	N	
							EPP New Jersey Biogas, LLC	DE	DS	EPP Renewable Energy, LLC	Ownership	100.000	TIAA Board of Overseers	N	
							EPP New Jersey Solar, LLC	DE	DS	EPP Renewable Energy, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-5268451	4810597			North American Sustainable Energy Fund GP, LLC	DE	DS	TIAA Infrastructure Investments, LLC	Influence		TIAA Board of Overseers	N	
			61-1734097	4810551			North American Sustainable Energy Manager, LLC	DE	DS	TIAA Infrastructure Investments, LLC	Influence		TIAA Board of Overseers	N	
			45-2665869	4601115			TIAA Oil and Gas Investments, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			45-1286237	4602877			Actgas, LLC	DE	DS	TIAA Oil and Gas Investments, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-3410649	4602925			Actoil Bakken, LLC	DE	DS	TIAA Oil and Gas Investments, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			98-0430762	4651530			Triangle Petroleum Corp	CO	DS	Actoil Bakken, LLC	Influence		TIAA Board of Overseers	N	
			46-3628993	4602934			Actoil Utica, LLC	DE	DS	TIAA Oil and Gas Investments, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			11-3519531	4601133			TIAA Realty, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			81-0902394	4949125			T-C 77 Central LLC	DE	DS	TIAA Realty, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			47-2249307	4763161			T-C 680 Belleville LLC	DE	DS	TIAA Realty, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-2678242	4611721			T-C Port Northwest Development, LLC	DE	DS	TIAA Realty, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-3961919	5047626			TGA 70 Federal Street LLC	DE	DS	TIAA Realty, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			82-2885306				TIAA RFS, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			82-2335773				TIAA Advisory, LLC	DE	DS	TIAA RFS, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			20-2904312	4314479			TIAA-CREF Insurance Agency, LLC	DE	DS	TIAA RFS, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			81-2755014	5011346			TIAA SMA Strategies, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			45-3029655	4601197			TIAA-Stonepeak Investments I, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			38-3849546	4603155			Stonepeak Infrastructure Fund LP	DE	DS	TIAA-Stonepeak Investments I, LLC	Influence		TIAA Board of Overseers	N	
			45-3030923	4601245			TIAA-Stonepeak Investments II, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			30-0696099	4643955			Stonepeak GP Holdings LP	DE	DS	TIAA-Stonepeak Investments II, LLC	Ownership	50.000	TIAA Board of Overseers	N	
				4643964			Stonepeak Associates, LLC	DE	DS	Stonepeak GP Holdings LP	Ownership	100.000	TIAA Board of Overseers	N	
			37-1645802	4643919			Stonepeak Advisors Holdings LLC	DE	DS	TIAA-Stonepeak Investments II, LLC	Influence		TIAA Board of Overseers	N	
				4643946			Stonepeak Advisors LLC	DE	DS	Stonepeak Advisors Holdings LLC	Ownership	100.000	TIAA Board of Overseers	N	
			45-3164600	4601348			TIAA Super Regional Mall Member Sub, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
			45-3164764	4644055			T-C Super Regional Mall Venture, LLC	DE	DS	TIAA Super Regional Mall Member Sub, LLC	Ownership	51.000	TIAA Board of Overseers	N	
			46-4623585	4801821	1614181		T-C International Plaza REIT LLC	DE	DS	T-C Super Regional Mall Venture, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-4653326	4801830			T-C International Plaza Investor GP LLC	DE	DS	T-C International Plaza REIT LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-4680948	4801849			T-C International Plaza Investor LP LLC	DE	DS	T-C International Plaza REIT LLC	Ownership	100.000	TIAA Board of Overseers	N	
			38-3173536	2884259			Tampa Westshore Associates Limited Partnership	DE	DS	T-C International Plaza Investor LP LLC	Influence		TIAA Board of Overseers	N	
			46-2713521	4604116	1595474		T-C Las Vegas Retail REIT LLC	DE	DS	T-C Super Regional Mall Venture, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-2726147	4612979			T-C Las Vegas Retail Investor LLC	DE	DS	T-C Las Vegas Retail REIT LLC	Ownership	100.000	TIAA Board of Overseers	N	
				4615617			Grand Canal Shoppes Holdings, LLC	DE	DS	T-C Las Vegas Retail Investor LLC	Influence		TIAA Board of Overseers	N	

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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
			45-3165203	4644064	1544129		T-C Midwest REIT, LLC	DE	DS	T-C Super Regional Mall Venture, LLC	Ownership	99.800	TIAA Board of Overseers	N	
			45-2211957	4644073			T-C Midwest Retail, LLC	DE	DS	T-C Midwest REIT, LLC	Ownership	100.000	TIAA Board of Overseers	N	
				4644288			CBL/T-C, LLC	DE	DS	T-C Midwest Retail, LLC	Ownership	50.000	TIAA Board of Overseers	N	
			45-3164998	4644082	1544127		T-C Montgomery Mall REIT, LLC	DE	DS	T-C Super Regional Mall Venture, LLC	Ownership	99.800	TIAA Board of Overseers	N	
			27-4117159	4644091			T-C Montgomery Mall, LLC	DE	DS	T-C Montgomery Mall REIT, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			95-4658637	4644886			Montgomery Mall of Maryland, LLC	MD	DS	T-C Montgomery Mall, LLC	Ownership	50.000	TIAA Board of Overseers	N	
							Teachers Insurance and Annuity Association								
			45-1286386	4601526			TIAA SynGas, LLC	DE	DS	of America	Ownership	100.000	TIAA Board of Overseers	N	
			13-1624203	4741758			730 Catsolar, LLC	DE	DS	TIAA SynGas, LLC	Ownership	100.000	TIAA Board of Overseers	N	
				4747835			Catalina Solar Lessee Holdco, LLC	CA	DS	730 Catsolar, LLC	Ownership	50.000	TIAA Board of Overseers	N	
				4749866			Catalina Solar Lessee, LLC	CA	DS	Catalina Solar Lessee Holdco, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			56-2492641	4643900			SG Solutions, LLC	DE	DS	TIAA SynGas, LLC	Influence		TIAA Board of Overseers	N	
			27-0195010	4626088			AE Investor II, LLC	DE	DS	TIAA SynGas, LLC	Ownership	57.000	TIAA Board of Overseers	N	
							Teachers Insurance and Annuity Association								
			45-4486211	4602886			TIAA Wind Investments, LLC	DE	DS	of America	Ownership	100.000	TIAA Board of Overseers	N	
			45-3743502	4626136			Capistrano Wind Partners, LLC	DE	DS	TIAA Wind Investments, LLC	Influence		TIAA Board of Overseers	N	
							Teachers Insurance and Annuity Association								
			20-8384004	4599490			TIAA-CREF LPHC, LLC	DE	DS	of America	Ownership	100.000	TIAA Board of Overseers	N	
			26-3561391	4863539			TCAM DOF GP, LLC	DE	DS	TIAA-CREF LPHC, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-1191235	5018671	1611288		TIAA-CREF Real Property Fund GP, LLC	DE	DS	TCAM DOF GP, LLC	Ownership	100.000	TIAA Board of Overseers	N	
							TIAA-CREF Individual & Institutional Services, LLC			Teachers Insurance and Annuity Association					
			55-0856733	4314349	882928			DE	DS	of America	Ownership	100.000	TIAA Board of Overseers	N	
							Teachers Insurance and Annuity Association								
			20-5591124	4314273			TIAA-CREF Redwood, LLC	DE	DS	of America	Ownership	100.000	TIAA Board of Overseers	N	
							TIAA Endowment & Philanthropic Services, LLC								
			20-5631854	4314282				DE	DS	TIAA-CREF Redwood, LLC	Ownership	100.000	TIAA Board of Overseers	N	
							CCAP GP, LLC			TIAA Endowment & Philanthropic Services, LLC					
			35-2429521	4612858				DE	DS	Teachers Insurance and Annuity Association	Ownership	100.000	TIAA Board of Overseers	N	
							TIAA-CREF Tuition Financing, Inc.			of America	Ownership	100.000	TIAA Board of Overseers	N	
			13-4026557	4314116	1627236			DE	DS	Teachers Insurance and Annuity Association					
							TIAA Union Place Phase I, LLC			of America	Ownership	100.000	TIAA Board of Overseers	N	
			20-8892977	4599810			Union Place Phase I, LLC	DE	DS	TIAA Union Place Phase I, LLC	Ownership	100.000	TIAA Board of Overseers	N	
			20-8281443	4640066				DE	DS	Teachers Insurance and Annuity Association					
							UK PPP Investments, LP	GBR	DS	of America	Ownership	100.000	TIAA Board of Overseers	N	
				4844163			Wigg (Holdings) Limited	GBR	DS	UK PPP Investments, LP	Ownership	100.000	TIAA Board of Overseers	N	
				4848590			Wigg Investments Limited	GBR	DS	Wigg (Holdings) Limited	Ownership	100.000	TIAA Board of Overseers	N	
				4848983			Merseylink (Holdings) Limited	GBR	DS	Wigg Investments Limited	Influence		TIAA Board of Overseers	N	
				4849739			Merseylink (Finance) Limited	GBR	DS	Merseylink (Holdings) Limited	Ownership	100.000	TIAA Board of Overseers	N	
				4852298			Merseylink Limited	GBR	DS	Merseylink (Finance) Limited	Ownership	100.000	TIAA Board of Overseers	N	
				4860239			Merseylink (Issuer) plc	GBR	DS	Merseylink (Finance) Limited	Ownership	100.000	TIAA Board of Overseers	N	
				4858638						Teachers Insurance and Annuity Association					
							U.S. Cities Retail Fund LP			of America	Ownership	100.000	TIAA Board of Overseers	N	
							U.S. Cities Retail Fund REIT LLC	DE	DS	U.S. Cities Retail Fund LP	Ownership	100.000	TIAA Board of Overseers	N	
							U.S. Cities Retail Fund Operating GP LLC	DE	DS	U.S. Cities Retail Fund REIT LLC	Ownership	100.000	TIAA Board of Overseers	N	
							U.S. Cities Retail Fund Operating LP	DE	DS	U.S. Cities Retail Fund REIT LLC	Ownership	100.000	TIAA Board of Overseers	N	
			46-0750331	4612111			T-C 919 N. Michigan Avenue Retail, LLC	DE	DS	U.S. Cities Retail Fund Operating LP	Ownership	100.000	TIAA Board of Overseers	N	
							USCRF KRG JV Investor Member LLC	DE	DS	U.S. Cities Retail Fund Operating LP	Ownership	100.000	TIAA Board of Overseers	N	
							KRG USCRF Retail Portfolio LLC	DE	DS	USCRF KRG JV Investor Member LLC	Ownership	100.000	TIAA Board of Overseers	N	
							U.S. Core-Plus Real Estate Debt Fund LP			Teachers Insurance and Annuity Association					
			82-3988257				CRED REIT LLC	DE	DS	of America	Management		TIAA Board of Overseers	N	
			82-3760575				CRED REIT Holdco LLC	DE	DS	U.S. Core+ Real Estate Debt Fund LP	Ownership	100.000	TIAA Board of Overseers	N	
			47-1938723				CRED REIT Holdco Seller LLC	DE	DS	CRED REIT LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-2024014					DE	DS	CRED REIT Holdco LLC	Ownership	100.000	TIAA Board of Overseers	N	

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domi-ciliary Location	Relation-ship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Owner-ship Provide Percen-tage	Ultimate Controlling Entity(ies)/Person(s)	Is an SCA Filing Re-quired? (Y/N)	*
			81-1392434				CRED REIT Holdco TRS LLC	DE	DS	CRED REIT Holdco LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-2267896				CRED Sawtelle LLC	DE	DS	CRED REIT Holdco LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-3184068				CRED Slabtown LLC	DE	DS	CRED REIT Holdco LLC	Ownership	100.000	TIAA Board of Overseers	N	
			83-4107560				CRED West Coast Industrial LLC	DE	DS	CRED REIT Holdco LLC	Ownership	100.000	TIAA Board of Overseers	N	
			51-0141732	4599829			WRC Properties, LLC	DE	DS	Teachers Insurance and Annuity Association of America	Ownership	100.000	TIAA Board of Overseers	N	
				4630601			Stichting Bewaarder Ziemia Fund	NLD	DS	Teachers Insurance and Annuity Association of America	Influence		TIAA Board of Overseers	N	

Asterisk	Explanation
0100	AGR Services LLC is ultimately controlled and owned entirely by TIAA, with 99% owned by AGR Partners LLC and 1% owned by Nuveen Alternative Holdings, LLC.
0200	Greenwood Resources Brasil, Ltda. is ultimately controlled and owned entirely by TIAA, with 99% owned by GWR Property Management International, LLC and 1% owned by GreenWood Resources, Inc.
0300	CAM HR Resources LLC is ultimately controlled and owned entirely by TIAA, with 99% owned by Churchill Asset Management LLC and 1% owned by Nuveen Alternative Holdings, LLC.
0400	TIAA European Farmland Fund GP LP is ultimately controlled and owned entirely by TIAA, with 50% owned by Nuveen Alternative Services, LLC and 50% owned by TEFF Holdco LLC
0500	TGAM APAC LLC is ultimately controlled and owned entirely by TIAA, with TGAM Subsidiary HC LLC, TIAA International Subsidiary HC LLC and Nuveen International Holdings LLC each owning 33.33%
0600	TGAM HK HC LLC is ultimately controlled and owned entirely by TIAA, with TGAM APAC LLC, TGAM Asia LLC, TIAA International APAC LLC and TIAA International Asia LLC each owning 25%
0700	TGAM Asia LLC is ultimately controlled and owned entirely by TIAA, with TGAM Subsidiary HC LLC, TIAA International Subsidiary HC LLC and Nuveen International Holdings LLC each owning 33.33%
0800	TIAA International APAC LLC is ultimately controlled and owned entirely by TIAA, with TGAM Subsidiary HC LLC, TIAA International Subsidiary HC LLC and Nuveen International Holdings LLC each owning 33.33%
0900	TIAA International Asia LLC is ultimately controlled and owned entirely by TIAA, with TGAM Subsidiary HC LLC, TIAA International Subsidiary HC LLC and Nuveen International Holdings LLC each owning 33.33%
1000	Nuveen Real Estate Limited is ultimately controlled and owned entirely by TIAA, with 99% owned by TIAA International Holdings 3, Ltd. and 1% owned by TIAA International Holdings 1, Ltd.
1100	European Cities Partnership SCSp is owned 29.8% by T-C Lux Investments Special Limited Partnership and 1% by European Cities Partnership (GP) S.à.r.l.
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	Westchester Group SRL is controlled and owned entirely by TIAA, with 99% owned by Westchester Group of Europe Ltd. and 1% owned by Westchester Group of Poland Sp. Z.o.o.
1400	Westchester Group South America Gestao de Investimentos Ltda. is controlled and owned entirely by TIAA, with 99% owned by Westchester Group Investment Management, Inc. and 1% owned by Westchester Group Real Estate, Inc.
1500	Symphony Asset Management, LLC is ultimately controlled and owned entirely by TIAA, with 51% owned by Nuveen Investments, Inc. and 49% owned by Nuveen Investments Holdings, Inc.
1600	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%.
1700	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.
1800	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.
1900	Global Real Estate Debt Partners Fund I (UK) is controlled by TIAA, which owns 36.3%. T-C Lux Investments Special Limited Partnership, which is 100% owned by TIAA, owns 24.3%.
2000	Cityhold Nymphe S.à r.l. (Nymphe) is ultimately controlled by TIAA via a 50% ownership of Cityhold Office Partnership S.à r.l., which owns 88% of Nymphe, and 6% owned by wholly-owned ND Europe Office Holding S.à r.l.
2100	Cityhold Euro S.à r.l. (CES) is ultimately controlled by TIAA via a 50% ownership of Cityhold Propco 9 S.à r.l., which owns 88% of CES, and 6% owned by wholly-owned ND Europe Office Holding S.à r.l.
2200	SNC Roosevelt is ultimately controlled by TIAA via a 50% 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%).
2300	London Belgrave Unit Trust (LBUT) is ultimately controlled by TIAA via a 50% 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%).
2400	New Fetter Lane Unit Trust (NFLUT) is ultimately controlled by TIAA via a 50% 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%).
2500	60 Great Portland Street Unit Trust (60GPS) is ultimately controlled by TIAA via a 50% 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%).
2600	70 St. Mary Axe Unit Trust (SMAUT) is ultimately controlled by TIAA via a 50% 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%).
2700	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%.
2800	Erlangen Arcaden GmbH & Co. KG is controlled by TIAA, and partially owned by TIAA Lux 5 S.à r.l., which owns 94.9% and Erlangen Arcaden Verwaltungs GmbH which owns 5.1%.
2900	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.
3000	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.
3100	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%).
3200	Adeoti Empreendimentos Imobiliários Ltda is ultimately controlled and owned entirely by TIAA, with 51% of ownership with T-C JK I, LLC and 49% of ownership with T-C JK II, LLC
3300	CPPIB-TIAA US Real Property Fund LP is controlled by TIAA, which owns 50%. T-C SMA I, LLC, which is 100% owned by TIAA, is the General Partner and owns 1%.
3400	Thurrock Retail Park Unit Trust is ultimately controlled and owned entirely by TIAA with 99.5% owned by T-C UK RE Holdings III, LLC and 0.5% owned by T-C UK RE Holdings II, LLC.
3500	Waterford Blue Lagoon LP is controlled by TIAA, and partially owned indirectly by T-C Waterford Blue Lagoon LLC, which owns 50%, and T-C Waterford Blue Lagoon General Partner, LLC, which owns 1%.
3600	Asia Pacific Cities Fund, FCP is owned 38.6% by TGA APAC Fund Holdings, LLC and 38.6% by TGA Real Estate Fund Holdings, LLC
3700	Viertel Zwei Entwicklung GmbH & Co Studenthouse KG is controlled by TIAA, and partially owned indirectly by Eagle Austria Holdings S.à r.l., which owns 94%, and CB Krieau Dzwei GmbH, which owns 6%.



STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

Asterisk	Explanation
3800 .....	TGA Ginza115 TMK is ultimately controlled and owned entirely by TIAA, with 51% owned by TGA Japan GK Holdings Pte Ltd and 49% of owned by TGA Ginza 115 Holdings Pte Ltd. ....
3900 .....	Nova Gaia Brasil Participaco Ltda. is owned 99.99% by TIAA-CREF Global Agriculture LLC and 0.01% by TIAA-CREF Global Agriculture BR, LLC. ....
4000 .....	Tellus Brasil Participaco S.A. is owned 48.9% by Terraviva Brasil Participaco Ltda. and 0.47% by Nova Gaia Brasil Participaco Ltda. ....
4100 .....	Terraviva Brasil Participaco Ltda. is owned 99.99% by Nova Gaia Brasil Participaco Ltda. and 0.01% by TIAA-CREF Global Agriculture BR, LLC. ....
4200 .....	Janus Brasil Participacoes, S.A. is owned 48.9% by Iris Brasil Participaco Ltda. and 0.47% by Helios Brasil Participacoes, Ltda. ....

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SUPPLEMENTAL EXHIBITS AND SCHEDULES INTERROGATORIES

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

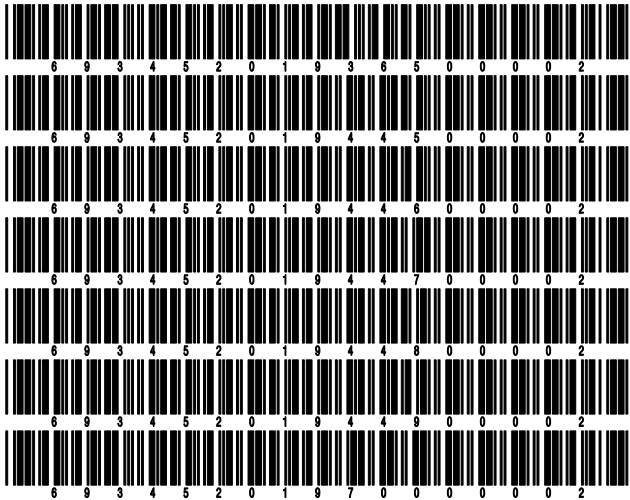
	Response
1. Will the Trusteed Surplus Statement be filed with the state of domicile and the NAIC with this statement? .....	SEE EXPLANATION
2. Will the Medicare Part D Coverage Supplement be filed with the state of domicile and the NAIC with this statement? .....	NO
3. Will the Reasonableness of Assumptions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

Explanation:

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

Bar Code:

2. Medicare Part D Coverage Supplement [Document Identifier 365]
3. Reasonableness of Assumptions Certification required by Actuarial Guideline XXXV [Document Identifier 445]
4. Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXV [Document Identifier 446]
5. Reasonableness of Assumptions Certification for Implied Guaranteed Rate Method required by Actuarial Guideline XXXVI [Document Identifier 447]
6. Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXVI [Document Identifier 448]
7. Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXVI (Updated Market Value) [Document Identifier 449]
8. Life PBR Statement of Exemption (2nd Quarter Only) [Document Identifier 700]



STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

OVERFLOW PAGE FOR WRITE-INS

Additional Write-ins for Liabilities Line 25

	1 Current Statement Date	2 December 31 Prior Year
2504. Post retirement benefit obligation liability .....	(54,187,333)	(55,730,419)
2597. Summary of remaining write-ins for Line 25 from overflow page	(54,187,333)	(55,730,419)

Additional Write-ins for Summary of Operations Line 8.3

	1 Current Year To Date	2 Prior Year To Date	3 Prior Year Ended December 31
08.304. Policyholder reinvestment of annuity benefits .....	40,494,480	40,605,086	79,268,296
08.397. Summary of remaining write-ins for Line 8.3 from overflow page	40,494,480	40,605,086	79,268,296

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 .....	2,151,883,008	2,078,326,041
2. Cost of acquired:		
2.1 Actual cost at time of acquisition .....	76,589,477	264,784,998
2.2 Additional investment made after acquisition .....	10,693,433	17,615,949
3. Current year change in encumbrances .....		(39,039,300)
4. Total gain (loss) on disposals .....		22,286,635
5. Deduct amounts received on disposals .....		136,358,643
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 .....	30,611,169	55,732,672
9. Book/adjusted carrying value at the end of current period (Lines 1+2+3+4-5+6-7-8) .....	2,208,554,749	2,151,883,008
10. Deduct total nonadmitted amounts .....		
11. Statement value at end of current period (Line 9 minus Line 10) .....	2,208,554,749	2,151,883,008

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 .....	29,958,575,697	26,602,236,111
2. Cost of acquired:		
2.1 Actual cost at time of acquisition .....	2,694,444,772	6,173,633,984
2.2 Additional investment made after acquisition .....	60,117,592	328,078,284
3. Capitalized deferred interest and other .....	199,680	2,778,231
4. Accrual of discount .....	1,303,660	765,625
5. Unrealized valuation increase (decrease) .....		
6. Total gain (loss) on disposals .....	18,480	(10,216,804)
7. Deduct amounts received on disposals .....	610,876,162	2,871,425,955
8. Deduct amortization of premium and mortgage interest points and commitment fees .....	1,736,225	3,583,593
9. Total foreign exchange change in book value/recorded investment excluding accrued interest .....	(15,177,982)	(208,592,918)
10. Deduct current year's other than temporary impairment recognized .....		55,097,268
11. Book value/recorded investment excluding accrued interest at end of current period (Lines 1+2+3+4+5+6-7-8+9-10) .....	32,086,869,511	29,958,575,697
12. Total valuation allowance .....		
13. Subtotal (Line 11 plus Line 12) .....	32,086,869,511	29,958,575,697
14. Deduct total nonadmitted amounts .....		
15. Statement value at end of current period (Line 13 minus Line 14) .....	32,086,869,511	29,958,575,697

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 .....	30,440,283,015	29,910,137,558
2. Cost of acquired:		
2.1 Actual cost at time of acquisition .....	269,395,352	891,046,244
2.2 Additional investment made after acquisition .....	889,052,863	3,703,151,308
3. Capitalized deferred interest and other .....		
4. Accrual of discount .....	11,380	21,634
5. Unrealized valuation increase (decrease) .....	168,997,764	(593,744,345)
6. Total gain (loss) on disposals .....	(3,748,684)	13,430,882
7. Deduct amounts received on disposals .....	907,537,859	2,679,658,928
8. Deduct amortization of premium and depreciation .....	79,252	151,993
9. Total foreign exchange change in book/adjusted carrying value .....	11,020,536	(142,759,866)
10. Deduct current year's other than temporary impairment recognized .....	89,227,381	661,189,479
11. Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5+6-7-8+9-10) .....	30,778,167,734	30,440,283,015
12. Deduct total nonadmitted amounts .....	102,076,727	123,594,203
13. Statement value at end of current period (Line 11 minus Line 12) .....	30,676,091,007	30,316,688,812

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 .....	193,512,945,771	190,925,380,722
2. Cost of bonds and stocks acquired .....	12,427,775,286	24,859,902,461
3. Accrual of discount .....	147,171,137	385,599,156
4. Unrealized valuation increase (decrease) .....	178,626,207	124,170,924
5. Total gain (loss) on disposals .....	92,622,912	428,743,920
6. Deduct consideration for bonds and stocks disposed of .....	10,808,935,419	22,720,884,302
7. Deduct amortization of premium .....	88,365,363	181,618,163
8. Total foreign exchange change in book/adjusted carrying value .....	15,666,655	(193,717,850)
9. Deduct current year's other than temporary impairment recognized .....	185,006,900	197,874,013
10. Total investment income recognized as a result of prepayment penalties and/or acceleration fees .....	23,802,765	83,242,916
11. Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5-6-7+8-9+10) .....	195,316,303,051	193,512,945,771
12. Deduct total nonadmitted amounts .....	28,821,350	43,519,351
13. Statement value at end of current period (Line 11 minus Line 12) .....	195,287,481,701	193,469,426,420

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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) .....	119,127,380,049	5,195,268,355	4,646,768,491	163,839,702	119,127,380,049	119,839,719,615		118,674,580,898
2. NAIC 2 (a) .....	51,205,144,893	2,823,240,446	2,138,689,368	(307,348,847)	51,205,144,893	51,582,347,124		50,376,158,138
3. NAIC 3 (a) .....	9,501,043,031	135,258,037	532,731,313	(76,956,818)	9,501,043,031	9,026,612,937		9,847,044,912
4. NAIC 4 (a) .....	6,052,424,628	479,408,246	391,939,583	204,941,302	6,052,424,628	6,344,834,593		6,308,890,542
5. NAIC 5 (a) .....	2,042,043,682	46,620,877	296,341,665	30,946,824	2,042,043,682	1,823,269,718		2,152,265,611
6. NAIC 6 (a) .....	634,402,101	8,546,812	236,723,827	97,279,357	634,402,101	503,504,443		472,576,739
7. Total Bonds	188,562,438,384	8,688,342,773	8,243,194,247	112,701,520	188,562,438,384	189,120,288,430		187,831,516,840
PREFERRED STOCK								
8. NAIC 1 .....	29,000,000				29,000,000	29,000,000		29,000,000
9. NAIC 2 .....	14,770,393				14,770,393	14,770,393		14,770,393
10. NAIC 3 .....		20,202,228		383,397		20,585,625		
11. NAIC 4 .....	81,776,310	528,133		(11,249,997)	81,776,310	71,054,446		61,250,000
12. NAIC 5 .....	74,631,880	43,015,330		11,330,399	74,631,880	128,977,609		68,166,117
13. NAIC 6 .....	71,874,563	14,800,000			71,874,563	86,674,563		71,874,563
14. Total Preferred Stock .....	272,053,145	78,545,691		463,799	272,053,145	351,062,635		245,061,072
15. Total Bonds and Preferred Stock	188,834,491,529	8,766,888,464	8,243,194,247	113,165,319	188,834,491,529	189,471,351,065		188,076,577,912

(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 \$ .....37,853,667 ; NAIC 2 \$ ..... ; NAIC 3 \$ ..... NAIC 4 \$ ..... ; NAIC 5 \$ ..... ; NAIC 6 \$ .....2,440,451

SCHEDULE DA - PART 1

Short-Term Investments

	1	2	3	4	5
	Book/Adjusted Carrying Value	Par Value	Actual Cost	Interest Collected Year-to-Date	Paid for Accrued Interest Year-to-Date
9199999 Totals	2,440,451	xxx	2,440,451		

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 .....		42,804,493
2. Cost of short-term investments acquired .....	2,440,451	
3. Accrual of discount .....		
4. Unrealized valuation increase (decrease) .....		
5. Total gain (loss) on disposals .....		1,948,375
6. Deduct consideration received on disposals .....		44,578,943
7. Deduct amortization of premium .....		12,012
8. Total foreign exchange change in book/adjusted carrying value .....		(161,913)
9. Deduct current year's other than temporary impairment recognized .....		
10. Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5-6-7+8-9) .....	2,440,451	
11. Deduct total nonadmitted amounts .....		
12. Statement value at end of current period (Line 10 minus Line 11)	2,440,451	

SCHEDULE DB - PART A - VERIFICATION

Options, Caps, Floors, Collars, Swaps and Forwards

1.	Book/Adjusted Carrying Value, December 31, prior year (Line 9, prior year)	803,408,059
2.	Cost Paid/(Consideration Received) on additions	(8,938)
3.	Unrealized Valuation increase/(decrease)	115,885,864
4.	Total gain (loss) on termination recognized	63,243,644
5.	Considerations received/(paid) on terminations	63,164,311
6.	Amortization	(60,481,811)
7.	Adjustment to the Book/Adjusted Carrying Value of hedged item	
8.	Total foreign exchange change in Book/Adjusted Carrying Value	(41,601,642)
9.	Book/Adjusted Carrying Value at End of Current Period (Lines 1+2+3+4-5+6+7+8)	817,280,865
10.	Deduct nonadmitted assets	
11.	Statement value at end of current period (Line 9 minus Line 10)	817,280,865

SCHEDULE DB - PART B - VERIFICATION

Futures Contracts

1.	Book/Adjusted carrying value, December 31 of prior year (Line 6, prior year)	
2.	Cumulative cash change (Section 1, Broker Name/Net Cash Deposits Footnote - Cumulative Cash Change column)	
3.1	Add:	
	Change in variation margin on open contracts - Highly Effective Hedges	
3.11	Section 1, Column 15, current year to date minus	
3.12	Section 1, Column 15, prior year	
	Change in variation margin on open contracts - All Other	
3.13	Section 1, Column 18, current year to date minus	
3.14	Section 1, Column 18, prior year	
3.2	Add:	
	Change in adjustment to basis of hedged item	
3.21	Section 1, Column 17, current year to date minus	
3.22	Section 1, Column 17, prior year	
	Change in amount recognized	
3.23	Section 1, Column 19, current year to date minus	
3.24	Section 1, Column 19, prior year	
3.3	Subtotal (Line 3.1 minus Line 3.2)	
4.1	Cumulative variation margin on terminated contracts during the year	
4.2	Less:	
	4.21 Amount used to adjust basis of hedged item	
	4.22 Amount recognized	
4.3	Subtotal (Line 4.1 minus Line 4.2)	
5.	Dispositions gains (losses) on contracts terminated in prior year:	
	5.1 Total gain (loss) recognized for terminations in prior year	
	5.2 Total gain (loss) adjusted into the hedged item(s) for terminations in prior year	
6.	Book/Adjusted carrying value at end of current period (Lines 1+2+3.3-4.3-5.1-5.2)	
7.	Deduct total nonadmitted amounts	
8.	Statement value at end of current period (Line 6 minus Line 7)	

NONE

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART C - SECTION 1

Replication (Synthetic Asset) Transactions Open as of Current Statement Date

Replication (Synthetic Asset) Transactions								Components of the Replication (Synthetic Asset) Transactions							
1	2	3	4	5	6	7	8	Derivative Instrument(s) Open			Cash Instrument(s) Held				
		NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9	10	11	12	13	14 NAIC Designation or Other Description	15 Book/Adjusted Carrying Value	16 Fair Value
Number	Description							Description	Book/Adjusted Carrying Value	Fair Value	CUSIP	Description			
12518*HN3 .....	CDX.NA.IG25 SR. TRANCHE .....	1 .....	50,000,000	50,082,358	69,566,292	06/20/2016 .....	12/20/2020 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG25 SR. TRANCHE, REC. 1% FIXED RATE .....	33,964	734,339	912810-QA-9 ..	US TREASURY N/B United States Treasury Nt, 3.5% due 02/15/2039 ..	1 .....	50,048,394	68,831,953
12518*HP8 .....	CDX.NA.IG25 SR. TRANCHE .....	1 .....	50,000,000	55,094,098	62,078,089	07/29/2016 .....	12/20/2020 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG25 SR. TRANCHE, REC. 1% FIXED RATE .....	47,436	734,339	912810-QS-0 ..	US TREASURY N/B United States Treasury Nt, 3.75% due 08/15/2041	1 .....	55,046,662	61,343,750
12518*HQ6 .....	CDX.NA.IG25 SR. TRANCHE .....	1 .....	50,000,000	48,726,349	55,524,378	07/29/2016 .....	12/20/2020 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG25 SR. TRANCHE, REC. 1% FIXED RATE .....	50,840	734,339	912810-QT-8 ..	US TREASURY N/B United States Treasury Nt, 3.125% due 11/15/2041	1 .....	48,675,509	54,790,039
.....	.....	.....	.....	1,724,208	2,373,516	.....	.....	.....	.....	.....	912810-QA-9 ..	US TREASURY N/B United States Treasury Nt, 3.5% due 02/15/2039 ..	1 .....	1,724,208	2,373,516
12518*HL7 .....	CDX.NA.IG25 SR. TRANCHE .....	1 .....	50,000,000	50,041,898	56,817,152	07/30/2016 .....	12/20/2020 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG25 SR. TRANCHE, REC. 1% FIXED RATE .....	47,939	734,339	912810-QU-5 ..	US TREASURY N/B United States Treasury Nt, 3.125% due 02/15/2042	1 .....	49,993,959	56,082,813
12518*HM5 .....	CDX.NA.IG25 SR. TRANCHE .....	1 .....	50,000,000	50,460,209	63,128,870	06/20/2016 .....	12/20/2020 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG25 SR. TRANCHE, REC. 1% FIXED RATE .....	51,170	734,339	912810-QK-7 ..	US TREASURY N/B United States Treasury Nt, 3.875% due 08/15/2040	1 .....	50,409,039	62,394,531
12518*JF8 .....	CDX.NA.IG25 SR. TRANCHE .....	1 .....	50,000,000	50,154,892	62,063,432	06/20/2016 .....	12/20/2020 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG25 SR. TRANCHE, REC. 1% FIXED RATE .....	166,072	734,339	912810-RE-0 ..	US TREASURY N/B United States Treasury Nt, 3.625% due 02/15/2044	1 .....	49,988,820	61,329,093
12518*JK7 .....	CDX.NA.IG25 SR. TRANCHE .....	1 .....	50,000,000	50,116,791	61,942,706	06/20/2016 .....	12/20/2020 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG25 SR. TRANCHE, REC. 1% FIXED RATE .....	182,308	734,339	912810-RE-0 ..	US TREASURY N/B United States Treasury Nt, 3.625% due 02/15/2044	1 .....	49,934,483	61,208,367
12518*JE1 .....	CDX.NA.IG25 SR. TRANCHE .....	1 .....	50,000,000	50,126,128	57,152,308	06/20/2016 .....	12/20/2020 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG25 SR. TRANCHE, REC. 1% FIXED RATE .....	150,454	734,339	912810-QU-5 ..	US TREASURY N/B United States Treasury Nt, 3.125% due 02/15/2042	1 .....	49,975,674	56,417,969
12518*JL5 .....	CDX.NA.IG25 SR. TRANCHE .....	1 .....	25,000,000	20,139,820	22,967,873	06/20/2016 .....	12/20/2020 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG25 SR. TRANCHE, REC. 1% FIXED RATE .....	67,342	367,170	912810-QU-5 ..	US TREASURY N/B United States Treasury Nt, 3.125% due 02/15/2042	1 .....	20,072,478	22,600,703
.....	.....	.....	.....	4,926,998	6,036,328	.....	.....	.....	.....	.....	912810-RE-0 ..	US TREASURY N/B United States Treasury Nt, 3.625% due 02/15/2044	1 .....	4,926,998	6,036,328
12518*JG6 .....	CDX.NA.IG25 SR. TRANCHE .....	1 .....	25,000,000	25,029,000	28,464,436	06/20/2016 .....	12/20/2020 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG25 SR. TRANCHE, REC. 1% FIXED RATE .....	64,616	367,170	912810-QU-5 ..	US TREASURY N/B United States Treasury Nt, 3.125% due 02/15/2042	1 .....	24,964,384	28,097,266
12518*JT8 .....	CDX.NA.IG27 SR. TRANCHE .....	1 .....	25,000,000	26,010,354	28,353,548	09/28/2016 .....	12/20/2021 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE .....	85,032	505,135	3136A6-UR-3 ..	FNR 2012-63 ZA Z SEQ 4% due 06/25/2042	1 .....	25,925,322	27,848,413
12518*JQ4 .....	CDX.NA.IG27 SR. TRANCHE .....	1 .....	25,000,000	25,779,851	27,883,653	09/28/2016 .....	12/20/2021 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE .....	92,504	505,135	3136A6-P4-0 ..	FNR 2012-76 DZ Z SEQ 4% due 07/25/2042	1 .....	25,687,347	27,378,518
12518*JI1 .....	CDX.NA.IG27 SR. TRANCHE .....	1 .....	50,000,000	51,568,137	55,767,304	09/29/2016 .....	12/20/2021 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE .....	193,442	1,010,269	3136A6-P4-0 ..	FNR 2012-76 DZ Z SEQ 4% due 07/25/2042	1 .....	51,374,695	54,757,035
12518*JM3 .....	CDX.NA.IG27 SR. TRANCHE .....	1 .....	50,000,000	50,450,024	67,148,472	09/20/2016 .....	12/20/2021 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE .....	198,698	1,010,269	912810-QK-7 ..	US TREASURY N/B United States Treasury Nt, 3.875% due 08/15/2040	1 .....	50,251,326	66,138,203
12518*JS0 .....	CDX.NA.IG27 SR. TRANCHE .....	1 .....	50,000,000	50,162,454	57,091,226	09/20/2016 .....	12/20/2021 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE .....	171,747	1,010,269	912810-QX-9 ..	US TREASURY N/B United States Treasury Nt, 2.75% due 08/15/2042	1 .....	49,990,707	56,080,957
12518*JR2 .....	CDX.NA.IG27 SR. TRANCHE .....	1 .....	50,000,000	50,510,921	56,042,984	09/20/2016 .....	12/20/2021 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE .....	171,747	1,010,269	912810-QX-9 ..	US TREASURY N/B United States Treasury Nt, 2.75% due 08/15/2042	1 .....	50,339,174	55,032,715
12518*JP6 .....	CDX.NA.IG27 SR. TRANCHE .....	1 .....	40,000,000	27,823,868	30,294,491	09/30/2016 .....	12/20/2021 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE .....	158,958	808,215	3136A6-P4-0 ..	FNR 2012-76 DZ Z SEQ 4% due 07/25/2042	1 .....	27,664,910	29,486,276
.....	.....	.....	.....	16,636,371	17,870,425	.....	.....	.....	.....	.....	3136A6-UR-3 ..	FNR 2012-63 ZA Z SEQ 4% due 06/25/2042	1 .....	16,636,371	17,870,425
12518*JN1 .....	CDX.NA.IG27 SR. TRANCHE .....	1 .....	50,000,000	58,395,364	68,123,550	10/05/2016 .....	12/20/2021 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE .....	235,304	1,010,269	912810-PP-8 ..	US TREASURY N/B United States Treasury Nt, 5.375% due 02/15/2031	1 .....	58,160,060	67,113,281
12518*KL3 .....	CDX.NA.IG27 SR. TRANCHE .....	1 .....	50,000,000	50,216,922	55,827,125	10/15/2016 .....	12/20/2021 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE .....	258,537	1,010,269	912810-RB-6 ..	US TREASURY N/B United States Treasury Nt, 2.875% due 05/15/2043	1 .....	49,958,385	54,816,856
12518*LG3 .....	CDX.NA.IG27 SR. TRANCHE .....	1 .....	50,000,000	50,731,107	58,712,222	10/20/2016 .....	12/20/2021 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE .....	300,309	1,010,269	912810-RB-6 ..	US TREASURY N/B United States Treasury Nt, 2.875% due 05/15/2043	1 .....	50,430,798	57,701,953



STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART C - SECTION 1

Replication (Synthetic Asset) Transactions Open as of Current Statement Date

Replication (Synthetic Asset) Transactions								Components of the Replication (Synthetic Asset) Transactions							
1	2	3	4	5	6	7	8	Derivative Instrument(s) Open			Cash Instrument(s) Held				
		NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9	10	11	12	13	14 NAIC Designation or Other Description	15 Book/Adjusted Carrying Value	16 Fair Value
Number	Description	Description						Description	Book/Adjusted Carrying Value	Fair Value	CUSIP	Description	Description		
12518*MK3	CDX.NA.IG27 SR. TRANCHE	1	50,000,000	50,470,230	56,040,836	09/20/2016	12/20/2021	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE	298,800	1,010,269	912810-RB-6	US TREASURY N/B United States Treasury Nt, 2.875% due 05/15/2043	1	50,171,430	55,030,567
12518*LMO	CDX.NA.IG27 SR. TRANCHE	1	50,000,000	50,629,307	56,040,836	10/20/2016	12/20/2021	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE	301,214	1,010,269	912810-RB-6	US TREASURY N/B United States Treasury Nt, 2.875% due 05/15/2043	1	50,328,093	55,030,567
12518*LQ1	CDX.NA.IG27 SR. TRANCHE	1	50,000,000	50,641,463	61,917,886	10/21/2016	12/20/2021	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE	311,704	1,010,269	912810-RB-6	US TREASURY N/B United States Treasury Nt, 2.875% due 05/15/2043	1	50,329,759	60,907,617
12518*LF5	CDX.NA.IG27 SR. TRANCHE	1	50,000,000	50,505,424	62,986,441	10/22/2016	12/20/2021	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE	309,516	1,010,269	912810-RB-6	US TREASURY N/B United States Treasury Nt, 2.875% due 05/15/2043	1	50,195,908	61,976,172
12518*LL2	CDX.NA.IG27 SR. TRANCHE	1	50,000,000	51,101,247	61,917,886	10/22/2016	12/20/2021	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE	309,516	1,010,269	912810-RB-6	US TREASURY N/B United States Treasury Nt, 2.875% due 05/15/2043	1	50,791,731	60,907,617
12518*MG2	CDX.NA.IG27 SR. TRANCHE	1	50,000,000	51,000,356	61,917,886	10/22/2016	12/20/2021	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE	309,517	1,010,269	912810-RB-6	US TREASURY N/B United States Treasury Nt, 2.875% due 05/15/2043	1	50,690,839	60,907,617
12518*LN8	CDX.NA.IG27 SR. TRANCHE	1	50,000,000	50,501,701	60,849,332	10/22/2016	12/20/2021	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE	309,516	1,010,269	912810-RB-6	US TREASURY N/B United States Treasury Nt, 2.875% due 05/15/2043	1	50,192,185	59,839,063
12518*MHO	CDX.NA.IG27 SR. TRANCHE	1	50,000,000	50,711,793	61,383,609	10/22/2016	12/20/2021	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE	309,517	1,010,269	912810-RB-6	US TREASURY N/B United States Treasury Nt, 2.875% due 05/15/2043	1	50,402,276	60,373,340
12518*LJ7	CDX.NA.IG27 SR. TRANCHE	1	50,000,000	50,585,171	59,780,777	10/25/2016	12/20/2021	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE	320,758	1,010,269	912810-RB-6	US TREASURY N/B United States Treasury Nt, 2.875% due 05/15/2043	1	50,264,413	58,770,508
12518*LH1	CDX.NA.IG27 SR. TRANCHE	1	30,000,000	31,433,348	39,074,130	10/25/2016	12/20/2021	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE	192,455	606,161	912810-RB-6	US TREASURY N/B United States Treasury Nt, 2.875% due 05/15/2043	1	31,240,893	38,467,969
12518*MJ6	CDX.NA.IG27 SR. TRANCHE	1	50,000,000	50,390,755	61,383,609	10/25/2016	12/20/2021	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE	320,758	1,010,269	912810-RB-6	US TREASURY N/B United States Treasury Nt, 2.875% due 05/15/2043	1	50,069,997	60,373,340
12518*MF4	CDX.NA.IG27 SR. TRANCHE	1	100,000,000	100,758,441	117,958,722	10/26/2016	12/20/2021	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE	643,194	2,020,538	912810-RB-6	US TREASURY N/B United States Treasury Nt, 2.875% due 05/15/2043	1	100,115,247	115,938,184
12518*LS7	CDX.NA.IG27 SR. TRANCHE	1	125,000,000	126,729,170	154,260,439	10/26/2016	12/20/2021	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE	803,993	2,525,673	912810-RB-6	US TREASURY N/B United States Treasury Nt, 2.875% due 05/15/2043	1	125,925,177	151,734,766
12518*LK4	CDX.NA.IG27 SR. TRANCHE	1	150,000,000	152,829,488	184,685,104	10/27/2016	12/20/2021	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE	913,808	3,030,807	912810-RB-6	US TREASURY N/B United States Treasury Nt, 2.875% due 05/15/2043	1	151,915,680	181,654,297
12518*LE8	CDX.NA.IG27 SR. TRANCHE	1	100,000,000	100,766,171	133,114,288	10/29/2016	12/20/2021	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE	564,010	2,020,538	912810-QL-5	US TREASURY N/B United States Treasury Nt, 4.25% due 11/15/2040	1	100,202,161	131,093,750
12518*LR9	CDX.NA.IG27 SR. TRANCHE	1	100,000,000	105,178,229	124,708,038	11/01/2016	12/20/2021	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE	505,200	2,020,538	912810-QS-0	US TREASURY N/B United States Treasury Nt, 3.75% due 08/15/2041	1	104,673,029	122,687,500
12518*LV0	CDX.NA.IG27 SR. TRANCHE	1	100,000,000	100,033,505	111,995,733	11/16/2016	12/20/2021	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE	598,115	2,020,538	912810-QY-7	US TREASURY N/B United States Treasury Nt, 2.75% due 11/15/2042	1	99,435,390	109,975,195
12518*LX6	CDX.NA.IG27 SR. TRANCHE	1	80,000,000	80,230,163	90,120,278	11/17/2016	12/20/2021	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE	496,018	1,616,431	912810-QY-7	US TREASURY N/B United States Treasury Nt, 2.75% due 11/15/2042	1	79,734,145	88,503,847
12518*MA5	CDX.NA.IG27 SR. TRANCHE	1	100,000,000	125,660,700	143,032,257	11/11/2016	12/20/2021	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE	615,138	2,020,538	912810-FM-5	US TREASURY N/B United States Treasury Nt, 6.25% due 05/15/2030	1	125,045,562	141,011,719
12518*MB3	CDX.NA.IG27 SR. TRANCHE	1	125,000,000	156,335,794	178,790,322	11/11/2016	12/20/2021	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE	738,374	2,525,673	912810-FM-5	US TREASURY N/B United States Treasury Nt, 6.25% due 05/15/2030	1	155,597,420	176,264,649
12518*W8	CDX.NA.IG27 SR. TRANCHE	1	100,000,000	100,423,594	111,995,733	11/15/2016	12/20/2021	CREDIT DEFAULT SWAP ON CDX.NA.IG27 SR. TRANCHE, REC. 1% FIXED RATE	478,991	2,020,538	912810-QY-7	US TREASURY N/B United States Treasury Nt, 2.75% due 11/15/2042	1	99,944,603	109,975,195

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART C - SECTION 1

Replication (Synthetic Asset) Transactions Open as of Current Statement Date

Replication (Synthetic Asset) Transactions								Components of the Replication (Synthetic Asset) Transactions							
1	2	3	4	5	6	7	8	Derivative Instrument(s) Open			Cash Instrument(s) Held				
								9	10	11	12	13	14	15	16
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	Description	Book/Adjusted Carrying Value	Fair Value	CUSIP	Description	NAIC Designation or Other Description	Book/Adjusted Carrying Value	Fair Value
12518*PF1 .....	CDX.NA.HY27 SR. TRANCHE .....	1 .....	48,308,654 .....	54,312,563 .....	58,604,637 .....	04/07/2017 .....	12/20/2021 .....	CREDIT DEFAULT SWAP ON CDX.NA.HY27 SR. TRANCHE, REC. 5% FIXED RATE .....	5,072,610 .....	5,712,159 .....	3136A6-UR-3 .....	FNR 2012-63 ZA Z SEQ 4% due 06/25/2042 .....	1 .....	49,239,953 .....	52,892,478 .....
12518*PG9 .....	CDX.NA.HY27 SR. TRANCHE .....	1 .....	48,308,654 .....	54,329,345 .....	58,604,637 .....	04/11/2017 .....	12/20/2021 .....	CREDIT DEFAULT SWAP ON CDX.NA.HY27 SR. TRANCHE, REC. 5% FIXED RATE .....	5,089,392 .....	5,712,159 .....	3136A6-UR-3 .....	FNR 2012-63 ZA Z SEQ 4% due 06/25/2042 .....	1 .....	49,239,953 .....	52,892,478 .....
12518*PH7 .....	CDX.NA.HY27 SR. TRANCHE .....	1 .....	48,308,654 .....	52,737,573 .....	56,255,441 .....	04/13/2017 .....	12/20/2021 .....	CREDIT DEFAULT SWAP ON CDX.NA.HY27 SR. TRANCHE, REC. 5% FIXED RATE .....	5,090,195 .....	5,712,159 .....	38378D-CV-5 .....	GNR 2012-16 VZ Z SEQ 3.5% due 02/20/2042 .....	1 .....	47,647,378 .....	50,543,282 .....
12518*PE4 .....	CDX.NA.HY27 SR. TRANCHE .....	1 .....	48,308,654 .....	53,683,314 .....	57,271,744 .....	04/13/2017 .....	12/20/2021 .....	CREDIT DEFAULT SWAP ON CDX.NA.HY27 SR. TRANCHE, REC. 5% FIXED RATE .....	5,077,863 .....	5,712,159 .....	38378D-CV-5 .....	GNR 2012-16 VZ Z SEQ 3.5% due 02/20/2042 .....	1 .....	48,605,451 .....	51,559,585 .....
12518*PK0 .....	CDX.NA.HY27 SR. TRANCHE .....	1 .....	48,308,654 .....	54,909,160 .....	58,676,511 .....	04/18/2017 .....	12/20/2021 .....	CREDIT DEFAULT SWAP ON CDX.NA.HY27 SR. TRANCHE, REC. 5% FIXED RATE .....	5,108,366 .....	5,712,159 .....	3136A6-ST-7 .....	FNR 2012-73 ZM EXCH Z SEQ 4% due 07/25/2042 .....	1 .....	49,800,794 .....	52,964,352 .....
12518*PJ3 .....	CDX.NA.HY27 SR. TRANCHE .....	1 .....	48,308,654 .....	54,908,000 .....	58,676,511 .....	04/19/2017 .....	12/20/2021 .....	CREDIT DEFAULT SWAP ON CDX.NA.HY27 SR. TRANCHE, REC. 5% FIXED RATE .....	5,107,206 .....	5,712,159 .....	3136A6-ST-7 .....	FNR 2012-73 ZM EXCH Z SEQ 4% due 07/25/2042 .....	1 .....	49,800,794 .....	52,964,352 .....
12518*RY8 .....	CDX.NA.IG29 SR. TRANCHE .....	1 .....	50,000,000 .....	52,304,535 .....	63,557,791 .....	09/20/2017 .....	12/20/2022 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE .....	589,911 .....	1,163,260 .....	912810-QK-7 .....	US TREASURY N/B United States Treasury Nt, 3.875% due 08/15/2040 .....	1 .....	51,714,624 .....	62,394,531 .....
12518*RX0 .....	CDX.NA.IG29 SR. TRANCHE .....	1 .....	60,000,000 .....	60,606,017 .....	77,205,267 .....	09/20/2017 .....	12/20/2022 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE .....	722,667 .....	1,395,912 .....	912810-QK-7 .....	US TREASURY N/B United States Treasury Nt, 3.875% due 08/15/2040 .....	1 .....	59,883,350 .....	75,809,355 .....
12518*SC5 .....	CDX.NA.IG29 SR. TRANCHE .....	1 .....	50,000,000 .....	50,584,578 .....	53,869,210 .....	09/20/2017 .....	12/20/2022 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE .....	610,636 .....	1,163,260 .....	38378C-NL-7 .....	GNR 2012-7 PE PAC-1-11 3.5% due 01/20/2042 .....	1 .....	49,973,942 .....	52,705,950 .....
12518*SD3 .....	CDX.NA.IG29 SR. TRANCHE .....	1 .....	50,000,000 .....	51,749,639 .....	54,941,664 .....	09/20/2017 .....	12/20/2022 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE .....	595,070 .....	1,163,260 .....	38378M-BD-6 .....	GNR 2013-23 ZC Z SEQ 3% due 02/20/2043 .....	1 .....	51,154,569 .....	53,778,404 .....
12518*SB7 .....	CDX.NA.IG29 SR. TRANCHE .....	1 .....	50,000,000 .....	51,704,642 .....	57,062,768 .....	09/20/2017 .....	12/20/2022 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE .....	595,070 .....	1,163,260 .....	3137BG-JS-9 .....	FHR 4444 CZ Z SEQ 3% due 02/15/2045 .....	1 .....	51,109,572 .....	55,899,508 .....
12518*SA9 .....	CDX.NA.IG29 SR. TRANCHE .....	1 .....	50,000,000 .....	52,480,891 .....	58,748,313 .....	09/20/2017 .....	12/20/2022 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE .....	609,531 .....	1,163,260 .....	3137BW-V5-0 .....	FHR 4663 ZK Z SEQ 3.5% due 06/15/2046 .....	1 .....	51,871,360 .....	57,585,053 .....
12518*RZ5 .....	CDX.NA.IG29 SR. TRANCHE .....	1 .....	50,000,000 .....	51,317,639 .....	56,663,368 .....	09/20/2017 .....	12/20/2022 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE .....	609,531 .....	1,163,260 .....	3137BW-HK-3 .....	FHR 4665 NZ Z SEQ 3.5% due 02/15/2047 .....	1 .....	50,708,108 .....	55,500,108 .....
12518*SE1 .....	CDX.NA.IG29 SR. TRANCHE .....	1 .....	50,000,000 .....	51,476,251 .....	56,351,827 .....	09/20/2017 .....	12/20/2022 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE .....	620,682 .....	1,163,260 .....	3137BD-C5-3 .....	FHR 4377 LZ Z SEQ 3% due 08/15/2044 .....	1 .....	50,855,569 .....	55,188,567 .....
12518*SM3 .....	CDX.NA.IG29 SR. TRANCHE .....	1 .....	100,000,000 .....	52,972,229 .....	57,167,916 .....	10/26/2017 .....	12/20/2022 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE .....	1,249,772 .....	2,326,520 .....	3136A9-LM-8 .....	FNR 2012-114 ZG Z SEQ 3.5% due 10/25/2042 .....	1 .....	51,722,457 .....	54,841,396 .....
.....	.....	.....	.....	49,333,710 .....	52,543,336 .....	.....	.....	.....	.....	.....	3136AW-U8-8 .....	FNR 2014-53 VZ Z SEQ 3.5% due 06/25/2047 .....	1 .....	49,333,710 .....	52,543,336 .....
12518* SX9 .....	CDX.NA.IG29 SR. TRANCHE .....	1 .....	100,000,000 .....	45,361,937 .....	50,927,116 .....	11/08/2017 .....	12/20/2022 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE .....	1,281,589 .....	2,326,520 .....	3136AK-S5-3 .....	FNR 2017-43 B SEQ 3.5% due 09/25/2044 .....	1 .....	44,080,348 .....	48,600,596 .....
.....	.....	.....	.....	57,608,539 .....	59,008,916 .....	.....	.....	.....	.....	.....	3137B0-GG-3 .....	FHR 4174 Z EXCH Z SEQ 3.5% due 03/15/2043 .....	1 .....	57,608,539 .....	59,008,916 .....
12518* SY7 .....	CDX.NA.IG29 SR. TRANCHE .....	1 .....	50,000,000 .....	50,656,347 .....	58,171,466 .....	11/08/2017 .....	12/20/2022 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE .....	630,579 .....	1,163,260 .....	38377M-TH-9 .....	GNR 2010-144 DC EXCH PAC-1-11 4% due 11/16/2040 .....	1 .....	50,025,768 .....	57,008,206 .....
12518* SU5 .....	CDX.NA.IG29 SR. TRANCHE .....	1 .....	50,000,000 .....	51,584,662 .....	55,202,359 .....	10/26/2017 .....	12/20/2022 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE .....	630,579 .....	1,163,260 .....	3137BV-EK-8 .....	FHR 4655 HZ EXCH Z SEQ 3.5% due 02/15/2047 .....	1 .....	50,954,083 .....	54,039,099 .....
12518* ST8 .....	CDX.NA.IG29 SR. TRANCHE .....	1 .....	100,000,000 .....	49,169,643 .....	53,539,460 .....	10/26/2017 .....	12/20/2022 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE .....	1,258,222 .....	2,326,520 .....	3136AK-6N-8 .....	FNR 2014-65 OB SEQ 3% due 10/25/2044 .....	1 .....	47,911,421 .....	51,212,940 .....
.....	.....	.....	.....	53,299,119 .....	55,224,243 .....	.....	.....	.....	.....	.....	3136A7-RT-1 .....	FNR 2012-90 ZE Z SEQ 3.5% due 08/25/2042 .....	1 .....	53,299,119 .....	55,224,243 .....
12518* SW1 .....	CDX.NA.IG29 SR. TRANCHE .....	1 .....	30,000,000 .....	31,513,527 .....	36,097,020 .....	10/26/2017 .....	12/20/2022 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE .....	377,466 .....	697,956 .....	3136AJ-K9-6 .....	FNR 2014-28 ZA Z SEQ 3% due 05/25/2044 .....	1 .....	31,136,061 .....	35,399,064 .....
12518* SZ4 .....	CDX.NA.IG29 SR. TRANCHE .....	1 .....	50,000,000 .....	41,966,017 .....	43,832,167 .....	11/10/2017 .....	12/20/2022 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE .....	613,325 .....	1,163,260 .....	38378M-BJ-3 .....	GNR 2013-23 ZU SC Z SEQ 2.5% due 11/20/2042 .....	1 .....	41,352,692 .....	42,668,907 .....
.....	.....	.....	.....	11,403,584 .....	11,846,175 .....	.....	.....	.....	.....	.....	3136A7-UU-4 .....	FNR 2012-80 AZ Z SEQ 3.5% due 08/25/2042 .....	1 .....	11,403,584 .....	11,846,175 .....
12518* TA8 .....	CDX.NA.IG29 SR. TRANCHE .....	1 .....	50,000,000 .....	46,544,346 .....	52,211,201 .....	11/15/2017 .....	12/20/2022 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE .....	619,043 .....	1,163,260 .....	3136AH-3L-2 .....	FNR 2014-7 Z Z SEQ 3.5% due 02/25/2044 .....	1 .....	45,925,303 .....	51,047,941 .....
.....	.....	.....	.....	4,373,635 .....	4,543,383 .....	.....	.....	.....	.....	.....	3136A7-UU-4 .....	FNR 2012-80 AZ Z SEQ 3.5% due 08/25/2042 .....	1 .....	4,373,635 .....	4,543,383 .....
12518* SS0 .....	CDX.NA.IG29 SR. TRANCHE .....	1 .....	50,000,000 .....	47,354,699 .....	52,133,770 .....	11/15/2017 .....	12/20/2022 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE .....	619,043 .....	1,163,260 .....	38377W-BA-1 .....	GNR 2011-73 LB PAC-11 4% due 05/20/2041 .....	1 .....	46,735,656 .....	50,970,510 .....
.....	.....	.....	.....	3,371,385 .....	3,502,234 .....	.....	.....	.....	.....	.....	3136A7-UU-4 .....	FNR 2012-80 AZ Z SEQ 3.5% due 08/25/2042 .....	1 .....	3,371,385 .....	3,502,234 .....
12518* SR2 .....	CDX.NA.IG29 SR. TRANCHE .....	1 .....	50,000,000 .....	43,175,217 .....	48,048,561 .....	11/15/2017 .....	12/20/2022 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE .....	619,043 .....	1,163,260 .....	3137BW-DZ-4 .....	FHR 4668 ZA Z SEQ 3.5% due 02/15/2047 .....	1 .....	42,556,174 .....	46,885,301 .....

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART C - SECTION 1

Replication (Synthetic Asset) Transactions Open as of Current Statement Date

Replication (Synthetic Asset) Transactions								Components of the Replication (Synthetic Asset) Transactions							
1	2	3	4	5	6	7	8	Derivative Instrument(s) Open			Cash Instrument(s) Held				
		NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9	10	11	12	13	14 NAIC Designation or Other Description	15 Book/Adjusted Carrying Value	16 Fair Value
Number	Description	Description						Description	Book/Adjusted Carrying Value	Fair Value	CUSIP	Description	Description		
12518* TB6	CDX.NA.IG29 SR. TRANCHE	1	50,000,000	19,223,318	21,649,722	11/16/2017	12/20/2022	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE	603,853	1,163,260	3136A7-UU-4	FNR 2012-80 AZ Z SEQ 3.5% due 08/25/2042	1	7,747,717	8,048,418
				32,663,507	34,752,536						3136A9-2X-5	FNR 2012-118 ZV Z SEQ 3% due 11/25/2042	1	18,619,465	20,486,462
12518* SV3	CDX.NA.IG29 SR. TRANCHE	1	30,000,000	31,729,167	34,559,472	11/16/2017	12/20/2022	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE	362,312	697,956	3136AL-NX-5	FNR 2014-76 Z Z SEQ 3.5% due 11/25/2044	1	32,663,507	34,752,536
12518*UX6	CDX.NA.IG29 SR. TRANCHE	1	50,000,000	19,874,221	22,011,391	02/03/2018	12/20/2022	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE	700,469	1,163,260	3136AF-ZE-7	FNR 2013-80 ZV Z SEQ 4% due 08/25/2043	1	31,366,855	33,861,516
				33,049,559	34,700,825						3136AG-TQ-5	FNR 2013-100 CZ Z SEQ 4% due 10/25/2043	1	19,173,752	20,848,131
12518*UW8	CDX.NA.IG29 SR. TRANCHE	1	50,000,000	27,846,253	28,755,624	02/06/2018	12/20/2022	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE	703,835	1,163,260	3136A5-ST-9	FNR 2012-51 AY EXCH PAC-11 3.5% due 05/25/2042	1	33,049,559	34,700,825
				23,663,010	26,809,792						38378F-T6-7	GNR 2013-18 GY PAC-1-11 2.5% due 02/20/2043	1	27,142,418	27,592,364
12518*UY4	CDX.NA.IG29 SR. TRANCHE	1	50,000,000	34,012,577	38,036,526	02/06/2018	12/20/2022	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE	689,536	1,163,260	3136AK-VH-3	FNR 2014-46 DZ EXCH Z SEQ 3% due 08/25/2044	1	23,663,010	26,809,792
				17,812,313	20,325,868						3136AE-EX-1	FNR 2013-53 ZC Z SEQ 3% due 06/25/2043	1	33,323,041	36,873,266
12518*VA5	CDX.NA.IG29 SR. TRANCHE	1	25,000,000	25,907,985	27,551,428	02/06/2018	12/20/2022	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE	328,678	581,630	38377M-E9-3	GNR 2010-147 PB AD PAC-11 4% due 11/20/2040	1	17,812,313	20,325,868
12518*VF4	CDX.NA.IG29 SR. TRANCHE	1	50,000,000	26,824,167	29,768,155	02/06/2018	12/20/2022	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE	603,706	1,163,260	3137B2-BB-5	FNR 2013-53 ZC Z SEQ 3% due 10/25/2044	1	26,220,461	28,604,895
				24,786,460	28,207,212						3136AL-DZ-1	FNR 2013-79 UZ Z SEQ 3.5% due 07/25/2043	1	24,786,460	28,207,212
12518*VN7	CDX.NA.IG29 SR. TRANCHE	1	25,000,000	25,792,128	27,418,687	02/06/2018	12/20/2022	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE	305,430	581,630	3136AF-AQ-7	FNR 2013-15 MZ Z SEQ 3.5% due 03/25/2043	1	25,486,698	26,837,057
12518*VS6	CDX.NA.IG29 SR. TRANCHE	1	25,000,000	26,138,266	27,795,081	02/07/2018	12/20/2022	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE	318,622	581,630	3136AC-S8-5	FNR 2017-31 GB PAC 3% due 05/25/2047	1	25,819,844	27,213,451
12518*VW9	CDX.NA.IG29 SR. TRANCHE	1	25,000,000	25,767,312	27,677,280	02/07/2018	12/20/2022	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE	313,254	581,630	3136AW-KH-9	FNR 2013-15 LZ EXCH SC Z PAC SEQ 3% due 03/25/2043	1	25,454,058	27,095,650
12518*VR8	CDX.NA.IG29 SR. TRANCHE	1	25,000,000	27,154,307	28,876,751	02/07/2018	12/20/2022	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE	309,675	581,630	3136AC-W9-8	FNR 2012-98 VZ Z SEQ 4% due 09/25/2042	1	26,844,632	28,295,121
12518*VQ0	CDX.NA.IG29 SR. TRANCHE	1	25,000,000	25,986,233	28,936,548	02/08/2018	12/20/2022	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE	312,480	581,630	3136A8-AZ-3	GNR 2013-170 LB EXCH SEQ 2.5% due 11/20/2043	1	25,673,753	28,354,918
12518*VG2	CDX.NA.IG29 SR. TRANCHE	1	25,000,000	26,447,800	30,355,303	02/09/2018	12/20/2022	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE	297,008	581,630	38378U-7W-1	FHR 4385 HZ Z SEQ 3% due 09/15/2044	1	26,150,792	29,773,673
12518*VL1	CDX.NA.IG29 SR. TRANCHE	1	25,000,000	26,839,544	28,780,082	02/09/2018	12/20/2022	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE	314,945	581,630	3137BD-SR-8	FNR 2012-56 ZM Z SEQ 4% due 06/25/2042	1	26,524,599	28,198,452
12518*VT4	CDX.NA.IG29 SR. TRANCHE	1	25,000,000	27,568,186	28,910,403	02/09/2018	12/20/2022	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE	295,214	581,630	3136A6-XD-1	FNR 2011-110 EW EXCH AD PAC-11 4.5% due 11/25/2041	1	27,272,972	28,328,773
12518*VP2	CDX.NA.IG29 SR. TRANCHE	1	25,000,000	26,025,074	29,062,904	02/09/2018	12/20/2022	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE	273,684	581,630	3136A2-CX-9	FNR 2013-32 ZB Z SEQ 4% due 04/25/2043	1	25,751,390	28,481,274
12518*VD9	CDX.NA.IG29 SR. TRANCHE	1	25,000,000	26,098,008	29,395,091	02/09/2018	12/20/2022	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE	293,421	581,630	3136AD-HQ-5	FHR 4661 GZ Z SEQ 3% due 02/15/2047	1	25,804,587	28,813,461
12518*VC1	CDX.NA.IG29 SR. TRANCHE	1	25,000,000	26,112,997	27,805,240	02/09/2018	12/20/2022	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE	273,684	581,630	3137BV-XQ-4	FHR 4122 ZJ Z SEQ 3.5% due 10/15/2042	1	25,839,313	27,223,610
12518*VK3	CDX.NA.IG29 SR. TRANCHE	1	25,000,000	26,451,235	28,447,624	02/10/2018	12/20/2022	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE	250,988	581,630	3137AV-3V-7	GNR 2012-16 ZP Z PAC-11 3.5% due 02/20/2042	1	26,200,247	27,865,994
12518*VJ6	CDX.NA.IG29 SR. TRANCHE	1	25,000,000	27,414,995	28,616,412	02/10/2018	12/20/2022	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE	242,006	581,630	38378D-DK-8	FHR 4440 ZX SC Z PT 4% due 01/15/2045	1	27,172,989	28,034,782
12518*UZ1	CDX.NA.IG29 SR. TRANCHE	1	25,000,000	26,157,352	27,302,508	02/10/2018	12/20/2022	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE	250,988	581,630	3137BG-FZ-7	GNR 2011-93 PE PAC-1-11 4% due 07/20/2041	1	25,906,364	26,720,878
12518*VB3	CDX.NA.IG29 SR. TRANCHE	1	25,000,000	26,515,210	28,481,328	02/10/2018	12/20/2022	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE	268,947	581,630	38377X-GA-4	FNR 2017-30 ZG Z SEQ 3% due 05/25/2047	1	26,246,263	27,899,698
12518*WQ0	CDX.NA.IG29 SR. TRANCHE	1	75,000,000	22,043,643	24,405,536	03/23/2018	12/20/2022	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE	860,802	1,744,890	3136AW-QN-0	FNR 2017-41 Z Z SEQ 3% due 06/25/2047	1	21,182,841	22,660,646
				26,984,469	29,076,630						3136AW-XM-4	FNR 2014-55 MZ Z SEQ 3% due 09/25/2044	1	26,984,469	29,076,630
				28,411,186	30,373,426						3136AK-V5-9	FNR 2017-18 CZ Z SEQ 3% due 03/25/2047	1	28,411,186	30,373,426
											3136AV-QN-2				

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART C - SECTION 1

Replication (Synthetic Asset) Transactions Open as of Current Statement Date

Replication (Synthetic Asset) Transactions								Components of the Replication (Synthetic Asset) Transactions							
1	2	3	4	5	6	7	8	Derivative Instrument(s) Open			Cash Instrument(s) Held				
		NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9	10	11	12	13	14 NAIC Designation or Other Description	15	16
Number	Description							Description	Book/Adjusted Carrying Value	Fair Value	CUSIP	Description		Book/Adjusted Carrying Value	Fair Value
12518*WD8 .....	CDX.NA.IG29 SR. TRANCHE .....	1 .....	25,000,000	25,331,158	26,269,619	03/23/2018 .....	12/20/2022 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE .....	286,934	581,630	3136A6-R3-0 .....	FNR 2012-75 OE PAC-11 3% due 07/25/2042 .....	1 .....	25,044,224	25,687,989
12518*W4 .....	CDX.NA.IG29 SR. TRANCHE .....	1 .....	75,000,000	30,480,711	32,886,780	03/24/2018 .....	12/20/2022 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE .....	791,113	1,744,890	3137B9-FE-0 .....	FHR 4314 GZ Z SEQ 3% due 03/15/2044 .....	1 .....	29,689,598	31,141,890
				28,316,952	31,048,111						3136AK-ZL-0 .....	FNR 2014-59 ZB Z SEQ 3% due 09/25/2044 .....	1 .....	28,316,952	31,048,111
				18,071,605	20,664,065						3837BU-SA-6 .....	GNR 2013-160 BY EXCH SEQ 2.5% due 10/16/2043 .....	1 .....	18,071,605	20,664,065
12518*WB2 .....	CDX.NA.IG29 SR. TRANCHE .....	1 .....	25,000,000	26,482,179	29,019,320	03/24/2018 .....	12/20/2022 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE .....	254,508	581,630	3136AB-2N-2 .....	FNR 2013-11 Z Z SEQ 3% due 02/25/2043 .....	1 .....	26,227,671	28,437,690
12518*VZ0 .....	CDX.NA.IG29 SR. TRANCHE .....	1 .....	80,000,000	18,694,016	20,887,349	03/29/2018 .....	12/20/2022 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG29 SR. TRANCHE, REC. 1% FIXED RATE .....	795,439	1,861,216	3136AW-QN-0 .....	FNR 2017-30 ZG Z SEQ 3% due 05/25/2047 .....	1 .....	17,898,577	19,026,133
				39,340,092	45,569,310						3837BP-KX-5 .....	GNR 2013-188 DZ Z SEQ 2.5% due 12/20/2043 .....	1 .....	39,340,092	45,569,310
				24,095,473	27,552,087						3837BU-SA-6 .....	GNR 2013-160 BY EXCH SEQ 2.5% due 10/16/2043 .....	1 .....	24,095,473	27,552,087
12518*YQ7 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	25,000,000	25,576,253	26,602,800	10/04/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	354,883	502,136	3137BV-K7-0 .....	FHR 4660 LA SEQ 3% due 02/15/2047 .....	1 .....	25,221,370	26,100,664
12518*YR5 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	50,000,000	51,106,852	53,668,540	10/05/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	688,639	1,004,271	3137BV-K7-0 .....	FHR 4660 LA SEQ 3% due 02/15/2047 .....	1 .....	50,418,213	52,664,269
												US TREASURY N/B United States Treasury Nt, 3.875% due 08/15/2040 .....	1 .....	24,918,058	31,197,266
12518*YS3 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	25,000,000	25,261,303	31,699,402	10/05/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	343,245	502,136	912810-QK-7 .....	FNR 2017-4 ZA Z SEQ 3.5% due 02/25/2047 .....	1 .....	25,267,114	26,344,773
12518*YT1 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	25,000,000	25,596,387	26,846,909	10/05/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	329,273	502,136	3136AV-HM-4 .....	FNR 2017-11 ZE Z SEQ 3% due 03/25/2047 .....	1 .....	50,865,325	54,266,462
12518*YU8 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	50,000,000	51,500,552	55,270,733	10/06/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	635,227	1,004,271	3136AV-SF-7 .....	US TREASURY N/B United States Treasury Nt, 3.125% due 11/15/2041 .....	1 .....	24,734,067	27,954,102
12518*ZY9 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	25,000,000	25,061,359	28,456,238	10/06/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	327,292	502,136	912810-QT-8 .....	FHR 4663 Z Z SEQ 3% due 03/15/2047 .....	1 .....	25,982,254	28,139,065
12518*YV6 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	25,000,000	26,289,749	28,641,201	10/10/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	307,495	502,136	3137BW-V3-5 .....	FHR 4663 Z Z SEQ 3% due 03/15/2047 .....	1 .....	25,899,323	28,049,250
12518*YU4 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	25,000,000	26,206,818	28,551,386	10/10/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	307,495	502,136	3137BW-V3-5 .....	US TREASURY N/B United States Treasury Nt, 3.125% due 11/15/2041 .....	1 .....	24,840,768	27,954,102
12518*YX2 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	25,000,000	25,143,030	28,456,238	10/11/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	302,262	502,136	912810-QT-8 .....	US TREASURY N/B United States Treasury Nt, 3.125% due 11/15/2041 .....	1 .....	24,877,378	27,954,102
12518*YV0 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	25,000,000	25,179,640	28,456,238	10/11/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	302,262	502,136	912810-QT-8 .....	US TREASURY N/B United States Treasury Nt, 3.125% due 11/15/2041 .....	1 .....	25,187,435	27,954,102
12518*YZ7 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	25,000,000	25,476,756	28,456,238	10/11/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	289,321	502,136	912810-QT-8 .....	US TREASURY N/B United States Treasury Nt, 3.125% due 11/15/2041 .....	1 .....	24,883,057	27,954,102
12518*ZA1 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	25,000,000	25,163,750	28,456,238	10/11/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	280,693	502,136	912810-QT-8 .....	US TREASURY N/B United States Treasury Nt, 3.125% due 11/15/2041 .....	1 .....	24,883,057	27,954,102
12518*ZB9 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	25,000,000	25,157,421	28,456,238	10/12/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	274,364	502,136	912810-QT-8 .....	US TREASURY N/B United States Treasury Nt, 3.125% due 11/15/2041 .....	1 .....	24,923,613	27,954,102
12518*ZC7 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	25,000,000	25,195,819	28,456,238	10/12/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	272,206	502,136	912810-QT-8 .....	GNR 2013-124 BZ Z SEQ 3.5% due 08/20/2043 .....	1 .....	25,801,176	29,453,514
12518*ZF0 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	25,000,000	26,082,015	29,955,650	10/12/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	280,839	502,136	3837BW-VN-0 .....	FNR 2017-17 ZL Z SEQ 3% due 03/25/2047 .....	1 .....	25,956,912	27,601,657
12518*ZE3 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	25,000,000	26,237,751	28,103,793	10/12/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	280,839	502,136	3136AV-H9-3 .....	US TREASURY N/B United States Treasury Nt, 3.75% due 08/15/2041 .....	1 .....	12,040,566	13,495,625
12518*ZG8 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	25,000,000	12,304,138	13,997,761	10/12/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	263,572	502,136	912810-QS-0 .....	FHR 4660 LA SEQ 3% due 02/15/2047 .....	1 .....	13,580,738	14,054,204
12518*ZD5 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	25,000,000	25,870,319	29,459,848	10/12/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	280,839	502,136	3137BV-K7-0 .....	GNR 2014-12 AY EXCH SEQ 3% due 01/20/2044 .....	1 .....	25,589,480	28,957,712

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART C - SECTION 1

Replication (Synthetic Asset) Transactions Open as of Current Statement Date

Replication (Synthetic Asset) Transactions								Components of the Replication (Synthetic Asset) Transactions							
1	2	3	4	5	6	7	8	Derivative Instrument(s) Open			Cash Instrument(s) Held				
								9	10	11	12	13	14	15	16
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	Description	Book/Adjusted Carrying Value	Fair Value	CUSIP	Description	NAIC Designation or Other Description	Book/Adjusted Carrying Value	Fair Value
12518*ZH6	CDX.NA.IG31 SR. TRANCHE	1	25,000,000	25,130,126	28,100,694	10/16/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	291,155	502,136	38377R-KQ-7	GNR 2010-163 DC EXCH PAC-1-11 4% due 12/16/2040	1	24,838,971	27,598,558
12518*ZJ2	CDX.NA.IG31 SR. TRANCHE	1	25,000,000	25,137,694	28,100,694	10/16/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	298,723	502,136	38377R-KQ-7	GNR 2010-163 DC EXCH PAC-1-11 4% due 12/16/2040	1	24,838,971	27,598,558
12518*Z26	CDX.NA.IG31 SR. TRANCHE	1	25,000,000	25,780,348	28,456,238	10/16/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	298,723	502,136	912810-QT-8	US TREASURY N/B United States Treasury Nt, 3.125% due 11/15/2041	1	25,481,625	27,954,102
12518*ZL7	CDX.NA.HY31 SR. TRANCHE	1	73,172,596	47,262,186	50,411,822	10/16/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE	12,786,662	14,165,506	3137B1-VG-4	FNR 2013-67 VZ Z SEQ 4% due 07/25/2043	1	34,475,524	36,246,316
				42,231,502	46,373,783						3136AF-FB-5	GNR 2014-12 NZ Z SEQ 3% due 01/20/2044	1	42,231,502	46,373,783
12518*ZM5	CDX.NA.IG31 SR. TRANCHE	1	50,000,000	45,956,118	54,206,240	10/18/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	615,384	1,004,271	38378P-F7-8	GNR 2010-146 EL PAC-11 4% due 11/16/2040	1	45,340,734	53,201,969
				5,789,426	6,342,242						38377M-UF-1	FHR 4028 ZA Z SEQ 4% due 04/15/2042	1	5,789,426	6,342,242
12518*ZK9	CDX.NA.HY31 SR. TRANCHE	1	48,781,731	59,858,715	64,276,933	10/18/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE	8,574,913	9,443,671	3137AP-EN-6	FHR 3751 PE PAC-11 4.5% due 11/15/2040	1	51,283,802	54,833,262
12518*ZP8	CDX.NA.IG31 SR. TRANCHE	1	25,000,000	27,156,199	28,127,824	10/19/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	303,521	502,136	3137A3-HY-8	GNR 2012-13 2K Z SEQ 3.5% due 01/20/2042	1	26,852,678	27,625,688
12518*ZN3	CDX.NA.HY31 SR. TRANCHE	1	73,172,596	45,665,029	49,292,138	10/19/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE	12,812,470	14,165,506	38378C-LR-6	GNR 2013-124 BZ Z SEQ 3.5% due 08/20/2043	1	32,852,559	35,126,632
				38,576,762	44,037,574						38378W-VN-0	FHR 3751 PE PAC-11 4.5% due 11/15/2040	1	38,576,762	44,037,574
12518*Z06	CDX.NA.IG31 SR. TRANCHE	1	25,000,000	27,154,033	28,127,824	10/19/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	301,355	502,136	3137A3-HY-8	GNR 2009-116 LN PAC-1-11 5% due 12/16/2039	1	26,852,678	27,625,688
12518*ZP4	CDX.NA.IG31 SR. TRANCHE	1	50,000,000	50,604,374	57,300,091	10/19/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	576,720	1,004,271	38376P-ZK-9	FNR 2017-11 B EXCH SEQ 3% due 03/25/2047	1	50,027,654	56,295,820
12518*ZS2	CDX.NA.IG31 SR. TRANCHE	1	50,000,000	47,313,407	50,537,591	10/19/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	542,062	1,004,271	3136AV-TB-5	GNR 2009-108 IY EXCH PAC-1-11 5% due 11/20/2039	1	46,771,345	49,533,320
				3,503,919	3,782,958						38376E-TL-9	GNR 2014-12 AY EXCH SEQ 3% due 01/20/2044	1	3,503,919	3,782,958
12518*ZU7	CDX.NA.IG31 SR. TRANCHE	1	50,000,000	7,432,528	8,781,759	10/20/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	559,683	1,004,271	38378P-G7-7	FHR 4212 ZX Z SEQ 4% due 06/15/2043	1	6,872,845	7,777,488
				46,218,928	47,589,871						3137B2-P8-7	FHR 4267 ZY Z SEQ 4.5% due 11/15/2043	1	46,218,928	47,589,871
12518*ZV5	CDX.NA.HY31 SR. TRANCHE	1	97,563,462	65,922,915	71,962,879	10/20/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE	17,058,524	18,887,341	3137B5-YC-1	FNR 2012-89 Z Z SEQ 4% due 08/25/2042	1	48,864,391	53,075,538
				47,485,936	50,277,042						3136A7-V9-0	FNR 2017-4 ZA Z SEQ 3.5% due 02/25/2047	1	47,485,936	50,277,042
				8,585,653	8,951,836						3136AV-HM-4	FNR 2017-46 ZA Z SEQ 3% due 06/25/2047	1	8,585,653	8,951,836
12518*ZT0	CDX.NA.HY31 SR. TRANCHE	1	97,563,462	62,364,588	67,226,126	10/20/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE	17,058,524	18,887,341	3136AII-F5-1	GNR 2010-109 GN EXCH PAC-1-11 4% due 08/20/2040	1	45,306,064	48,338,785
				42,839,474	45,474,605						38377J-FB-4	FNR 2017-17 ZL Z SEQ 3% due 03/25/2047	1	42,839,474	45,474,605
				11,592,852	12,327,426						3136AV-H9-3	FHR 4354 GL EXCH SEQ 3.5% due 06/15/2044	1	11,592,852	12,327,426
12518*ZW3	CDX.NA.IG31 SR. TRANCHE	1	50,000,000	12,733,310	14,232,026	10/23/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	590,945	1,004,271	3137BB-CR-9	FHR 4073 HZ EXCH Z SEQ 4% due 07/15/2042	1	12,142,365	13,227,755
				40,921,242	42,897,875						3137AR-WY-8	FHR 4354 GL EXCH SEQ 3.5% due 06/15/2044	1	40,921,242	42,897,875
12518*ZX1	CDX.NA.IG31 SR. TRANCHE	1	25,000,000	25,568,783	28,046,416	10/23/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	284,620	502,136	3137BB-CR-9	US TREASURY N/B United States Treasury Nt, 5.375% due 02/15/2031	1	25,284,163	27,544,280
12518*A34	CDX.NA.HY31 SR. TRANCHE	1	97,563,462	74,208,235	84,669,972	10/23/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE	17,088,833	18,887,341	912810-FP-8	US TREASURY N/B United States Treasury Nt, 4.25% due 11/15/2040	1	57,119,402	65,782,631
				47,549,632	64,247,282						912810-QL-5	US TREASURY N/B United States Treasury Nt, 3.125% due 11/15/2041	1	47,549,632	64,247,282
12518*A42	CDX.NA.HY31 SR. TRANCHE	1	97,563,462	76,499,853	84,499,202	10/23/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE	17,084,642	18,887,341	912810-QT-8		1	59,415,211	65,611,861

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART C - SECTION 1

Replication (Synthetic Asset) Transactions Open as of Current Statement Date

Replication (Synthetic Asset) Transactions								Components of the Replication (Synthetic Asset) Transactions							
1	2	3	4	5	6	7	8	Derivative Instrument(s) Open			Cash Instrument(s) Held				
								9	10	11	12	13	14	15	16
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	Description	Book/Adjusted Carrying Value	Fair Value	CUSIP	Description	NAIC Designation or Other Description	Book/Adjusted Carrying Value	Fair Value
				43,060,458	48,264,161						912810-QS-0	US TREASURY N/B United States Treasury Nt, 3.75% due 08/15/2041	1	43,060,458	48,264,161
12518*A59	CDX.NA.HY31 SR. TRANCHE	1	97,563,462	124,634,320	139,142,326	10/23/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE	17,034,344	18,887,341	912810-QS-0	US TREASURY N/B United States Treasury Nt, 3.75% due 08/15/2041	1	107,599,976	120,254,985
12518*A75	CDX.NA.IG31 SR. TRANCHE	1	25,000,000	26,633,699	28,661,089	10/23/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	282,449	502,136	3137AP-BW-9	FHR 4033 ZE Z SEQ 4% due 04/15/2042	1	26,351,250	28,158,953
12518*A67	CDX.NA.IG31 SR. TRANCHE	1	25,000,000	22,406,044	25,209,988	10/23/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	282,450	502,136	3137AU-FJ-3	FHR 4107 HY EXCH PAC-11 3% due 09/15/2042	1	22,123,594	24,707,852
				4,040,653	4,276,767						38377R-LU-7	GNR 2010-160 ZY Z PAC-11 4.5% due 12/20/2040	1	4,040,653	4,276,767
12518*A83	CDX.NA.IG31 SR. TRANCHE	1	25,000,000	25,217,003	29,237,755	10/23/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	278,108	502,136	3137BA-G6-3	FHR 4323 VZ Z SEQ 4% due 04/15/2044	1	24,938,895	28,735,619
12518*B41	CDX.NA.IG31 SR. TRANCHE	1	25,000,000	23,733,779	25,438,469	10/24/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	256,534	502,136	3137BW-P5-7	FHR 4666 VZ Z SEQ 3% due 03/15/2047	1	23,477,245	24,936,333
				2,017,187	2,148,350						38377J-FV-0	GNR 2010-107 PY AD PAC-1-11 4.5% due 08/20/2040	1	2,017,187	2,148,350
12518*B25	CDX.NA.HY31 SR. TRANCHE	1	48,781,731	49,137,534	51,701,734	10/24/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE	8,454,411	9,443,671	3136A2-CX-9	FNR 2011-110 EW EXCH AD PAC-11 4.5% due 11/25/2041	1	40,683,123	42,258,063
				11,489,290	12,518,431						3136AP-FS-6	FNR 2015-44 JL SEQ 3.5% due 07/25/2045	1	11,489,290	12,518,431
12518*B58	CDX.NA.HY31 SR. TRANCHE	1	48,781,731	46,195,761	49,061,137	10/24/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE	8,441,827	9,443,671	3137AR-M2-9	FHR 4057 ZB Z SEQ 3.5% due 06/15/2042	1	37,753,934	39,617,466
				12,148,215	12,803,763						3137BL-2V-9	FHR 4503 ZA Z SEQ 3.5% due 08/15/2045	1	12,148,215	12,803,763
12518*B33	CDX.NA.HY31 SR. TRANCHE	1	48,781,731	46,351,208	49,341,801	10/24/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE	8,454,412	9,443,671	3136A8-D6-4	FNR 2012-103 ZC EXCH Z SEQ 3.5% due 09/25/2042	1	37,896,796	39,898,130
				11,934,699	13,141,689						38377M-P9-1	GNR 2010-149 LB AD PAC-11 4.5% due 11/16/2040	1	11,934,699	13,141,689
12518*B66	CDX.NA.IG31 SR. TRANCHE	1	25,000,000	25,030,600	27,772,762	10/25/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	271,880	502,136	38377R-BJ-3	GNR 2010-158 DG PAC-11 4% due 12/20/2040	1	24,758,720	27,270,626
12518*B82	CDX.NA.HY31 SR. TRANCHE	1	48,781,731	45,782,007	48,696,023	10/25/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE	8,488,106	9,443,671	3136A6-N4-2	FNR 2012-76 ZG Z SEQ 4% due 07/25/2042	1	37,293,901	39,252,352
				13,093,043	13,818,581						3136AV-FU-8	FNR 2017-13 AB PAC-11 3% due 02/25/2047	1	13,093,043	13,818,581
12518*B74	CDX.NA.HY31 SR. TRANCHE	1	97,563,462	54,946,712	58,666,898	10/25/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE	16,984,605	18,887,341	38375G-QP-9	GNR 2012-94 BZ Z SEQ 3.5% due 07/20/2042	1	37,962,107	39,779,557
				38,659,620	42,635,516						3137FE-ZW-5	FHR 4793 ZK EXCH Z SEQ 4.5% due 06/15/2048	1	38,659,620	42,635,516
				25,499,161	27,319,783						3136AV-ST-2	FNR 2017-20 BP PAC 3.5% due 04/25/2047	1	25,499,161	27,319,783
12518*C24	CDX.NA.IG31 SR. TRANCHE	1	25,000,000	25,360,734	27,878,405	10/25/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	254,495	502,136	38377N-GC-2	GNR 2010-151 DG PAC-1-11 4% due 11/20/2040	1	25,106,239	27,376,269
12518*C32	CDX.NA.HY31 SR. TRANCHE	1	97,563,462	75,538,698	79,742,230	10/25/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE	16,938,441	18,887,341	3137BT-CW-9	FHR 4639 AZ Z SEQ 3% due 12/15/2046	1	58,600,257	60,854,889
				41,385,122	42,985,336						38378C-Z9-1	GNR 2012-12 NY EXCH PAC-11 3.5% due 01/20/2042	1	41,385,122	42,985,336
12518*C40	CDX.NA.HY31 SR. TRANCHE	1	48,781,731	45,633,049	50,374,918	10/25/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE	8,427,249	9,443,671	3136AJ-PR-1	FNR 2014-19 ZJ Z SEQ 4.5% due 04/25/2044	1	37,205,800	40,931,247
				13,716,792	14,726,652						3136AX-U7-8	FNR 2017-72 PZ Z PAC 3% due 09/25/2047	1	13,716,792	14,726,652
12518*C81	CDX.NA.IG31 SR. TRANCHE	1	50,000,000	26,851,705	28,328,622	10/26/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	517,952	1,004,271	3136AB-Q2-2	FNR 2013-6 ZW Z SEQ 3.5% due 02/25/2043	1	26,333,753	27,324,351
				22,919,763	25,753,716						3136B0-U6-1	FNR 2018-9 AL EXCH SC PT 3.5% due 12/25/2047	1	22,919,763	25,753,716
				966,845	1,040,394						38377N-L4-4	GNR 2010-157 EL EXCH PAC-11 4% due 12/20/2040	1	966,845	1,040,394
12518*D23	CDX.NA.HY31 SR. TRANCHE	1	48,781,731	31,732,032	35,318,119	10/26/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE	8,469,626	9,443,671	3136AL-EY-3	FNR 2014-66 VZ Z SEQ 3% due 10/25/2044	1	23,262,406	25,874,448
				21,751,925	25,246,460						3137BA-3W-0	FHR 4329 KZ Z SEQ 3% due 04/15/2044	1	21,751,925	25,246,460

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART C - SECTION 1

Replication (Synthetic Asset) Transactions Open as of Current Statement Date

Replication (Synthetic Asset) Transactions								Components of the Replication (Synthetic Asset) Transactions							
1	2	3	4	5	6	7	8	Derivative Instrument(s) Open			Cash Instrument(s) Held				
								9	10	11	12	13	14	15	16
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	Description	Book/Adjusted Carrying Value	Fair Value	CUSIP	Description	NAIC Designation or Other Description	Book/Adjusted Carrying Value	Fair Value
12518*D49 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	50,000,000	27,611,787	29,785,226	10/27/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	466,008	1,004,271	3137BG-Y7-8 .....	FHR 4447 ZX SC Z PT 4% due 01/15/2045 .....	1 .....	27,145,779	28,780,955
.....	.....	.....	.....	25,298,500	26,217,642	.....	.....	.....	.....	.....	3136AC-P6-2 .....	FNR 2013-15 VZ Z SEQ 3.5% due 03/25/2043 .....	1 .....	25,298,500	26,217,642
12518*D31 .....	CDX.NA.HY31 SR. TRANCHE .....	1 .....	48,781,731	32,464,526	37,021,694	10/27/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE .....	8,419,216	9,443,671	38378W-CN-3 .....	GNR 2013-122 BM EXCH PAC-1-11 3.5% due 08/16/2043 .....	1 .....	24,045,310	27,578,023
.....	.....	.....	.....	23,777,318	25,082,060	.....	.....	.....	.....	.....	38380C-K7-7 .....	GNR 2017-26 QL SC SEQ 3% due 02/20/2040 .....	1 .....	23,777,318	25,082,060
12518*D56 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	25,000,000	25,389,996	28,781,472	10/30/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	259,517	502,136	912810-QY-7 .....	US TREASURY N/B United States Treasury Nt, 2.75% due 11/15/2042 .....	1 .....	25,130,479	28,279,336
12518*D64 .....	CDX.NA.HY31 SR. TRANCHE .....	1 .....	97,563,462	110,895,421	123,625,622	10/30/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE .....	16,952,345	18,887,341	912810-QY-7 .....	US TREASURY N/B United States Treasury Nt, 2.75% due 11/15/2042 .....	1 .....	93,943,076	104,738,281
12518*D72 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	25,000,000	24,356,678	26,554,834	10/31/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	240,031	502,136	3137BD-SII-2 .....	FHR 4378 EZ EXCH Z SEQ 3% due 08/15/2044 .....	1 .....	24,116,647	26,052,698
.....	.....	.....	.....	1,185,082	1,273,510	.....	.....	.....	.....	.....	38377R-AN-5 .....	GNR 2010-158 PE PAC-1-11 4% due 12/20/2040 .....	1 .....	1,185,082	1,273,510
12518*D80 .....	CDX.NA.HY31 SR. TRANCHE .....	1 .....	48,781,731	57,723,117	71,838,202	10/31/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE .....	8,463,670	9,443,671	912810-QK-7 .....	US TREASURY N/B United States Treasury Nt, 3.875% due 08/15/2040 .....	1 .....	49,259,447	62,394,531
12518*E22 .....	CDX.NA.HY31 SR. TRANCHE .....	1 .....	48,781,731	70,123,737	78,551,616	10/31/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE .....	8,455,248	9,443,671	912810-FII-5 .....	US TREASURY N/B United States Treasury Nt, 6.25% due 05/15/2030 .....	1 .....	61,668,489	69,107,945
12518*D98 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	50,000,000	62,596,626	71,510,131	10/31/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	466,981	1,004,271	912810-FII-5 .....	US TREASURY N/B United States Treasury Nt, 6.25% due 05/15/2030 .....	1 .....	62,129,645	70,505,860
12518*E30 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	25,000,000	25,171,622	29,353,113	11/03/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	286,260	502,136	912810-RB-6 .....	US TREASURY N/B United States Treasury Nt, 2.875% due 05/15/2043 .....	1 .....	24,885,362	28,850,977
12518*J43 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	25,000,000	25,275,370	29,246,257	11/10/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	311,413	502,136	912810-RB-6 .....	US TREASURY N/B United States Treasury Nt, 2.875% due 05/15/2043 .....	1 .....	24,963,957	28,744,121
12518*E48 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	25,000,000	25,256,388	29,353,113	11/10/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	313,604	502,136	912810-RB-6 .....	US TREASURY N/B United States Treasury Nt, 2.875% due 05/15/2043 .....	1 .....	24,942,784	28,850,977
12518*J50 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	25,000,000	25,198,284	29,353,113	11/10/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	304,840	502,136	912810-RB-6 .....	US TREASURY N/B United States Treasury Nt, 2.875% due 05/15/2043 .....	1 .....	24,893,444	28,850,977
12518*J68 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	25,000,000	25,261,859	29,353,113	11/10/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	296,076	502,136	912810-RB-6 .....	US TREASURY N/B United States Treasury Nt, 2.875% due 05/15/2043 .....	1 .....	24,965,783	28,850,977
12518*J76 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	25,000,000	25,846,237	30,421,667	11/14/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	252,779	502,136	912810-RB-6 .....	US TREASURY N/B United States Treasury Nt, 2.875% due 05/15/2043 .....	1 .....	25,593,458	29,919,531
12518*J84 .....	CDX.NA.HY31 SR. TRANCHE .....	1 .....	48,781,731	55,920,025	61,812,812	11/14/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE .....	8,537,573	9,443,671	912810-QY-7 .....	US TREASURY N/B United States Treasury Nt, 2.75% due 11/15/2042 .....	1 .....	47,382,452	52,369,141
12518*J92 .....	CDX.NA.HY31 SR. TRANCHE .....	1 .....	48,781,731	55,940,434	61,812,812	11/14/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE .....	8,499,375	9,443,671	912810-QY-7 .....	US TREASURY N/B United States Treasury Nt, 2.75% due 11/15/2042 .....	1 .....	47,441,059	52,369,141
12518*K25 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	25,000,000	25,531,276	28,781,472	11/14/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	243,994	502,136	912810-QY-7 .....	US TREASURY N/B United States Treasury Nt, 2.75% due 11/15/2042 .....	1 .....	25,287,282	28,279,336
12518*K33 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	25,000,000	25,968,149	27,184,908	11/15/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	237,530	502,136	38378G-AF-5 .....	GNR 2012-134 PM PAC-11 3% due 11/20/2042 .....	1 .....	25,730,619	26,682,772
12518*K41 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	25,000,000	26,037,821	29,832,726	11/15/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	233,134	502,136	3137A3-4Y-2 .....	FHR 3763 ZW Z PAC-11 4.5% due 11/15/2040 .....	1 .....	25,804,687	29,330,590
12518*K58 .....	CDX.NA.IG31 SR. TRANCHE .....	1 .....	25,000,000	25,500,068	26,094,542	11/15/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE .....	232,035	502,136	3136A7-FII-9 .....	FNR 2012-70 HB PAC-11 3% due 07/25/2042 .....	1 .....	25,268,033	25,592,406
12518*K66 .....	CDX.NA.HY31 SR. TRANCHE .....	1 .....	48,781,731	25,466,221	27,415,590	11/15/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE .....	8,440,058	9,443,671	3137AP-IMI-9 .....	FHR 4030 PE PAC-1-11 3.5% due 04/15/2042 .....	1 .....	17,026,163	17,971,919

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART C - SECTION 1

Replication (Synthetic Asset) Transactions Open as of Current Statement Date

Replication (Synthetic Asset) Transactions								Components of the Replication (Synthetic Asset) Transactions							
1	2	3	4	5	6	7	8	Derivative Instrument(s) Open			Cash Instrument(s) Held				
		NAIC Designation or Other		Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9	10	11	12	13	14 NAIC Designation or Other	15	16
Number	Description	Description	Notional Amount					Description	Book/Adjusted Carrying Value	Fair Value	CUSIP	Description	Description	Book/Adjusted Carrying Value	Fair Value
				33,313,365	35,647,368						3137AQ-JU-3	FHR 4050 CZ Z SEQ 4% due 05/15/2042	1	33,313,365	35,647,368
12518*K74	CDX.NA.IG31 SR. TRANCHE	1	25,000,000	26,481,304	28,033,451	11/15/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	208,959	502,136	3136AO-DQ-7	FNR 2011-77 PC PAC-11 4% due 08/25/2041	1	26,272,345	27,531,315
12518*K82	CDX.NA.IG31 SR. TRANCHE	1	25,000,000	21,516,299	25,641,395	11/16/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	171,680	502,136	38378U-L2-1	GNR 2013-144 YM EXCH SEQ 2.5% due 10/20/2043	1	21,344,619	25,139,259
				5,857,708	6,413,528						38377R-HU-2	GNR 2010-163 MC PAC-1-11 4% due 12/16/2040	1	5,857,708	6,413,528
12518*K90	CDX.NA.IG31 SR. TRANCHE	1	50,000,000	24,202,839	26,688,066	11/16/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	330,162	1,004,271	3136AB-YK-3	FNR 2013-1 ZV Z SEQ 3% due 02/25/2043	1	23,872,677	25,683,795
				26,184,442	28,149,209						38377N-MK-7	GNR 2010-151 KE AD PAC-11 4.25% due 11/16/2040	1	26,184,442	28,149,209
12518*L24	CDX.NA.IG31 SR. TRANCHE	1	25,000,000	26,852,112	28,375,988	11/16/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	151,882	502,136	3136A4-3X-5	FNR 2012-38 ZB Z SEQ 4% due 04/25/2042	1	26,700,230	27,873,852
12518*L32	CDX.NA.HY31 SR. TRANCHE	1	48,781,731	55,708,917	61,638,693	11/17/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE	8,402,006	9,443,671	38376Y-3N-9	GNR 2010-53 PB PAC-1-11 5% due 04/20/2040	1	47,306,911	52,195,022
				2,097,978	2,398,154						38377M-NA-4	GNR 2010-149 MB AD PAC-11 4.5% due 11/16/2040	1	2,097,978	2,398,154
12518*L40	CDX.NA.IG31 SR. TRANCHE	1	50,000,000	8,835,211	10,159,688	11/20/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	209,598	1,004,271	38377K-LE-8	GNR 2010-114 NC EXCH PAC-11 4.5% due 09/20/2040	1	8,625,613	9,155,417
				35,641,744	37,637,345						38374Y-AT-0	GNR 2010-93 LP PAC-1-11 4.5% due 07/20/2040	1	35,641,744	37,637,345
				6,487,560	6,783,301						3136A5-HH-2	FNR 2012-31 MN PAC-11 3.5% due 04/25/2042	1	6,487,560	6,783,301
12518*L65	CDX.NA.IG31 SR. TRANCHE	1	25,000,000	25,452,560	27,415,006	11/20/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	97,081	502,136	38377K-LE-8	GNR 2010-114 NC EXCH PAC-11 4.5% due 09/20/2040	1	25,355,479	26,912,870
12518*L57	CDX.NA.HY31 SR. TRANCHE	1	48,781,731	46,689,524	49,885,416	11/20/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE	8,380,971	9,443,671	38376L-AH-2	GNR 2010-91 PE PAC-1-11 4.5% due 07/20/2040	1	38,308,553	40,441,745
				12,272,454	13,588,449						3136AV-R6-8	FNR 2017-24 Z Z SEQ 3% due 04/25/2047	1	12,272,454	13,588,449
12518*L73	CDX.NA.IG31 SR. TRANCHE	1	25,000,000	25,143,852	29,418,779	11/20/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	81,645	502,136	38376P-4G-2	GNR 2009-127 PB PAC-1-11 5% due 12/20/2039	1	25,062,207	28,916,643
12518*L81	CDX.NA.IG31 SR. TRANCHE	1	25,000,000	25,971,806	27,812,605	11/20/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	72,824	502,136	3136A5-MB-9	FNR 2012-35 DB PAC-11 3.5% due 04/25/2042	1	25,898,982	27,310,469
12518*L99	CDX.NA.IG31 SR. TRANCHE	1	50,000,000	25,443,081	27,182,043	11/21/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	110,416	1,004,271	3136A8-V9-8	FNR 2012-113 EM PAC-11 3% due 10/25/2042	1	25,332,665	26,177,772
				25,984,728	27,058,934						3136AF-6F-6	FNR 2013-90 AZ Z SEQ 4% due 09/25/2043	1	25,984,728	27,058,934
12518*M23	CDX.NA.IG31 SR. TRANCHE	1	25,000,000	26,536,933	30,457,020	11/21/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	55,208	502,136	3137B1-KL-5	FHR 4194 ZE Z SEQ 4% due 04/15/2043	1	26,481,725	29,954,884
12518*M31	CDX.NA.HY31 SR. TRANCHE	1	48,781,731	32,380,825	35,361,428	11/21/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE	8,312,838	9,443,671	3136AV-TV-1	FNR 2017-12 TZ Z SEQ 3% due 03/25/2047	1	24,067,987	25,917,757
				24,253,689	25,608,648						3136A7-WY-4	FNR 2012-87 VZ Z SEQ 3% due 08/25/2042	1	24,253,689	25,608,648
12518*M49	CDX.NA.IG31 SR. TRANCHE	1	75,000,000	7,286,477	8,761,257	11/21/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	124,246	1,506,407	3137AV-4E-4	FHR 4121 AZ Z SEQ 3% due 10/15/2042	1	7,162,231	7,254,850
				68,527,938	72,048,370						38377R-NH-4	GNR 2010-160 PT EXCH PAC-11 4% due 12/20/2040	1	68,527,938	72,048,370
12518*M64	CDX.NA.IG31 SR. TRANCHE	1	25,000,000	26,166,079	30,490,011	11/27/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	37,668	502,136	38376T-DV-1	GNR 2010-2 PZ Z PAC-1 5% due 01/20/2040	1	26,128,411	29,987,875
12518*M72	CDX.NA.IG31 SR. TRANCHE	1	50,000,000	25,813,342	28,398,614	11/27/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	75,336	1,004,271	3136AK-6J-7	FNR 2014-65 DZ Z SEQ 3.5% due 10/25/2044	1	25,738,006	27,394,343
				24,809,621	25,512,283						3137AR-MM-5	FHR 4068 CE PAC-1-11 3% due 06/15/2042	1	24,809,621	25,512,283
12518*M56	CDX.NA.HY31 SR. TRANCHE	1	97,563,462	117,480,525	122,759,399	11/27/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE	16,711,683	18,887,341	38378E-NB-5	GNR 2012-66 CY EXCH SEQ 3.5% due 05/20/2042	1	100,768,842	103,872,058
12518*M80	CDX.NA.IG31 SR. TRANCHE	1	25,000,000	25,926,074	30,258,168	11/27/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.IG31 SR. TRANCHE, REC. 1% FIXED RATE	11,098	502,136	38376V-3Z-8	GNR 2010-26 PZ SC Z SEQ 5% due 01/20/2040	1	25,914,976	29,756,032
12518*M98	CDX.NA.HY31 SR. TRANCHE	1	73,172,596	86,764,837	92,424,279	11/28/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE	12,431,122	14,165,506	38377R-V6-9	GNR 2010-165 PC PAC-1-11 4% due 12/20/2040	1	74,333,715	78,258,773
12518*M22	CDX.NA.HY31 SR. TRANCHE	1	24,390,865	29,832,003	34,204,281	11/28/2018	12/20/2023	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE	4,143,707	4,721,835	38376X-ST-9	GNR 2010-51 WZ Z PAC-1-11 5% due 04/20/2040	1	25,688,296	29,482,440



SCHEDULE DB - PART C - SECTION 1

Replication (Synthetic Asset) Transactions Open as of Current Statement Date

Replication (Synthetic Asset) Transactions								Components of the Replication (Synthetic Asset) Transactions							
1	2	3	4	5	6	7	8	Derivative Instrument(s) Open			Cash Instrument(s) Held				
								9	10	11	12	13	14 NAIC Designation or Other	15	16
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	Description	Book/Adjusted Carrying Value	Fair Value	CUSIP	Description	Designation or Other Description	Book/Adjusted Carrying Value	Fair Value
12518*N30 .....	CDX.NA.HY31 SR. TRANCHE .....	1 .....	48,781,731	33,090,122	36,953,938	11/29/2018 .....	12/20/2023 .....	CREDIT DEFAULT SWAP ON CDX.NA.HY31 SR. TRANCHE, REC. 5% FIXED RATE .....	8,364,530	9,443,671	38376E-TZ-8 ..	GNR 2009-110 KA PAC-1-11 5% due 11/20/2039 .....	1 .....	24,725,592	27,510,267
.....	.....	.....	.....	25,317,112	26,391,592	.....	.....	.....	.....	.....	38374Y-WK-5 ..	GNR 2010-85 NE EXCH PAC-1-11 4.5% due 07/20/2040 .....	1 .....	25,317,112	26,391,592
91283#AE3 .....	10yr U.S. Treasury Note .....	1 .....	10,000,000	10,068,800	9,458,111	07/15/2016 .....	07/15/2026 .....	CREDIT DEFAULT SWAP ON 10yr U.S. Treasury Note, REC. 0.125% FIXED RATE .....	.....	(474,445)	912828-S5-0 ..	TSY INFL IX N/B United States Treasury In .125 0.125% due 07/15/2026 .....	1 .....	10,068,800	9,932,556
9999999999 - Totals				9,433,567,778	10,561,692,773	XXX	XXX	XXX	424,558,894	546,276,686	XXX	XXX	XXX	9,009,008,884	10,015,416,087

SCHEDULE DB - PART C - SECTION 2

Replication (Synthetic Asset) Transactions Open

	First Quarter		Second Quarter		Third Quarter		Fourth Quarter		Year To Date	
	1 Number of Positions	2 Total Replication (Synthetic Asset) Transactions Statement Value	3 Number of Positions	4 Total Replication (Synthetic Asset) Transactions Statement Value	5 Number of Positions	6 Total Replication (Synthetic Asset) Transactions Statement Value	7 Number of Positions	8 Total Replication (Synthetic Asset) Transactions Statement Value	9 Number of Positions	10 Total Replication (Synthetic Asset) Transactions Statement Value
1. Beginning Inventory .....	188	9,165,432,645	187	9,426,953,446					188	9,165,432,645
2. Add: Opened or Acquired Transactions.....										
3. Add: Increases in Replication (Synthetic Asset) Transactions Statement Value.....	XXX	267,325,176	XXX	6,614,327	XXX		XXX		XXX	273,939,503
4. Less: Closed or Disposed of Transactions.....	1	5,804,375							1	5,804,375
5. Less: Positions Disposed of for Failing Effectiveness Criteria.....										
6. Less: Decreases in Replication (Synthetic Asset) Transactions Statement Value	XXX		XXX		XXX		XXX		XXX	
7. Ending Inventory	187	9,426,953,446	187	9,433,567,773					187	9,433,567,773

SCHEDULE DB - VERIFICATION

Verification of Book/Adjusted Carrying Value, Fair Value and Potential Exposure of all Open Derivative Contracts

		Book/Adjusted Carrying Value Check
1.	Part A, Section 1, Column 14.....	817,280,861
2.	Part B, Section 1, Column 15 plus Part B, Section 1 Footnote - Total Ending Cash Balance.....	
3.	Total (Line 1 plus Line 2) .....	817,280,861
4.	Part D, Section 1, Column 5 .....	981,421,599
5.	Part D, Section 1, Column 6 .....	(164,140,735)
6.	Total (Line 3 minus Line 4 minus Line 5) .....	(3)
		Fair Value Check
7.	Part A, Section 1, Column 16 .....	966,327,188
8.	Part B, Section 1, Column 13 .....	
9.	Total (Line 7 plus Line 8) .....	966,327,188
10.	Part D, Section 1, Column 8 .....	1,138,128,850
11.	Part D, Section 1, Column 9 .....	(171,801,678)
12.	Total (Line 9 minus Line 10 minus Line 11) .....	16
		Potential Exposure Check
13.	Part A, Section 1, Column 21 .....	8,876,378,518
14.	Part B, Section 1, Column 20 .....	
15.	Part D, Section 1, Column 11 .....	8,876,378,515
16.	Total (Line 13 plus Line 14 minus Line 15) .....	3

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 .....	480,413,504	316,991,099
2. Cost of cash equivalents acquired .....	7,286,305,570	35,531,452,968
3. Accrual of discount .....	1,094,413	7,207,478
4. Unrealized valuation increase (decrease) .....		
5. Total gain (loss) on disposals .....	282	(2,050)
6. Deduct consideration received on disposals .....	7,729,960,102	35,375,235,991
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) .....	37,853,667	480,413,504
11. Deduct total nonadmitted amounts .....		
12. Statement value at end of current period (Line 10 minus Line 11)	37,853,667	480,413,504

## SCHEDULE A - PART 2

1	4		5	6	7	8	9	
	Location	3						
Description of Property	City	State	Date Acquired	Name of Vendor	Actual Cost at Time of Acquisition	Amount of Encumbrances	Book/Adjusted Carrying Value Less Encumbrances	Additional Investment Made After Acquisition
One Brickell Square .....	Miami .....	FL .....	08/28/2002 .....	Various .....	.....	.....	.....	1,070,775 .....
Kent Valley Industrial .....	Renton .....	WA .....	12/30/2002 .....	Various .....	.....	.....	.....	95,230 .....
Emerald Corporate Park .....	Auburn .....	WA .....	08/23/2005 .....	Various .....	.....	.....	.....	4,999 .....
Westlake Tower .....	Seattle .....	WA .....	08/17/2011 .....	Various .....	.....	.....	.....	349,217 .....
Empire Landing .....	Burbank .....	CA .....	04/30/2013 .....	Various .....	.....	.....	.....	255,907 .....
Cyan PDX .....	Portland .....	OR .....	05/21/2013 .....	Various .....	.....	.....	.....	36,023 .....
The Edge at Flagler Village .....	Fort Lauderdale .....	FL .....	04/14/2016 .....	Various .....	.....	.....	.....	40,393 .....
Franklin 299 .....	Redwood City .....	CA .....	06/03/2016 .....	Various .....	.....	.....	.....	61,200 .....
600-650 College Road .....	Princeton .....	NJ .....	11/03/2016 .....	Various .....	.....	.....	.....	89,042 .....
Sole at Casselberry .....	Casselberry .....	FL .....	05/03/2018 .....	Various .....	.....	.....	.....	4,599 .....
Yorktown Trinity Groves .....	Dallas .....	TX .....	07/25/2018 .....	Various .....	.....	.....	.....	3,626 .....
Oak View Mall .....	Omaha .....	NE .....	11/01/2018 .....	Various .....	.....	.....	.....	495,488 .....
Sandy Commerce Park .....	Sandy .....	UT .....	01/23/2019 .....	Various .....	363,438 .....	.....	.....	22,718 .....
3401 North Ashton Blvd .....	Lehi .....	UT .....	01/24/2019 .....	Various .....	174,667 .....	.....	.....	(174,667) .....
Pleasant Prairie Center .....	Pleasant Prairie .....	WI .....	03/20/2019 .....	Various .....	.....	.....	.....	247 .....
730 Third Avenue .....	New York .....	NY .....	01/01/1973 .....	Various .....	.....	.....	.....	3,370,237 .....
0199999. Acquired by Purchase .....					538,105 .....	.....	.....	5,725,034 .....
Residential Foreclosure Transfer Assets .....	Houston .....	TX .....	06/28/2019 .....	Foreclosure .....	901,371 .....	.....	.....	.....
0299999. Acquired by Internal Transfer .....					901,371 .....	.....	.....	.....
0399999 - Totals .....					1,439,476 .....	.....	.....	5,725,034 .....

Showing All Real Estate DISPOSED During the Quarter, Including Payments During the Final Year on "Sales Under Contract"

[illegible]

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE B - PART 2

Showing All Mortgage Loans ACQUIRED AND ADDITIONS MADE During the Current Quarter

1  Loan Number	Location		4  Loan Type	5  Date Acquired	6  Rate of Interest	7  Actual Cost at Time of Acquisition	8  Additional Investment Made After Acquisition	9  Value of Land and Buildings
	2  City	3  State						
0855500 (GBP 3,137,832)	LONDON	GBR		03/14/2018	5.475		3,984,968	128,595,484
0869600	BROOKLYN PARK	MIN		01/31/2019	4.577		39,000,000	142,789,955
0870100	MAPLE GROVE	MIN		04/18/2019	4.400	51,100,000		83,600,000
0870600	MAPLEWOOD	NJ		04/16/2019	4.550	32,000,000		50,400,000
0874400	NEW YORK	NY		04/11/2019	4.800	298,178,293	4,379,744	580,000,000
0879400 (GBP 55,560,000)	LONDON	GBR		04/15/2019	2.950	72,450,350		120,726,969
0881900 (AUD 200,000,000)	NORTH STRATHFIELD	AUS		04/16/2019	4.450	143,459,673		256,122,028
0883300	SAN FRANCISCO	CA		06/06/2019	4.210	92,000,000		160,000,000
0884100	WATERFORD	MI		06/03/2019	3.880	166,650,000		295,000,000
0599999. Mortgages in good standing - Commercial mortgages-all other						855,838,316	47,364,712	1,817,234,436
0845801	WASHINGTON	DC		11/01/2017	10.209		390,410	46,921,259
0848301	NEW YORK	NY		12/13/2017	7.923		648,136	174,800,000
0881901 (AUD 50,000,000)	NORTH STRATHFIELD	AUS		04/16/2019	9.500	35,864,918		
0699999. Mortgages in good standing - Mezzanine Loans						35,864,918	1,038,546	221,721,259
0899999. Total Mortgages in good standing						891,703,234	48,403,258	2,038,955,695
1699999. Total - Restructured Mortgages								
2499999. Total - Mortgages with overdue interest over 90 days								
3299999. Total - Mortgages in the process of foreclosure								
3399999 - Totals						891,703,234	48,403,258	2,038,955,695

SCHEDULE B - PART 3

Showing All Mortgage Loans DISPOSED, Transferred or Repaid During the Current Quarter

1  Loan Number	Location		4  Loan Type	5  Date Acquired	6  Disposal Date	7  Book Value/Recorded Investment Excluding Accrued Interest Prior Year	Change in Book Value/Recorded Investment					14  Book Value/Recorded Investment Excluding Accrued Interest on Disposal	15  Consid-eration	16  Foreign Exchange Gain (Loss) on Disposal	17  Realized Gain (Loss) on Disposal	18  Total Gain (Loss) on Disposal
	2  City	3  State					8  Unrealized Valuation Increase (Decrease)	9  Current Year's (Amortization) /Accretion	10  Current Year's Other Than Temporary Impairment Recognized	11  Capitalized Deferred Interest and Other	12  Total Change in Book Value (8+9-10+11)	13  Total Foreign Exchange Change in Book Value				
0121303	TALLAHASSEE	FL		12/11/2008	04/09/2019	46,488,463						45,751,386	45,961,441			
0841600	CAMBRIDGE	MA		05/23/2017	05/01/2019	55,000,000						55,000,000	55,000,000			
EB1216002088	MIAMI	FL		09/18/2015	06/01/2019	880,266		(8,685)			(8,685)	855,971	862,230			
EB1221066194	FERNNANDINA BEACH	FL		06/24/2016	06/01/2019	471,326		(4,802)			(4,802)	463,333	464,135			
EB1223009696	MELBOURNE	FL		07/17/2015	05/01/2019	402,225		621			621	399,865	400,614			
EB1259002019	STEAMBOAT SPRINGS	CO		06/24/2016	04/01/2019	501,621		(4,889)			(4,889)	493,285	494,151			
EB1276000516	ENGLEWOOD	CO		08/19/2016	06/01/2019	710,401		(7,069)			(7,069)	698,522	699,730			
EB1367010663	DEL MAR	CA		07/17/2015	04/01/2019	928,452		1,439			1,439	924,591	927,244			
EB1371005322	ALEXANDRIA	VA		08/07/2015	05/01/2019	409,371		(2,634)			(2,634)	402,625	403,658		2,653	2,653
EB1400002748	CHANDLER	AZ		12/18/2015	05/01/2019	574,752		(4,906)			(4,906)	561,769	563,927			
EB1540094421	NEW YORK	NY		12/16/2016	05/01/2019	587,281		(12,481)			(12,481)	571,117	572,043			
EB1540094633	BETHESDA	MD		12/16/2016	06/01/2019	710,278		11,513			11,513	715,105	717,791			
EB1541038507	MASSILLON	OH		10/09/2015	05/01/2019	425,663		(4,280)			(4,280)	415,338	421,383			
EB1541039479	MARANA	AZ		08/07/2015	05/01/2019	1,324,184		4,266			4,266	1,318,854	1,321,265			
EB1596048737	DELRAY BEACH	FL		12/18/2015	06/01/2019	1,267,104		(18,961)			(18,961)	1,237,465	1,241,761			
EB1596048934	CHINO HILLS	CA		12/18/2015	06/01/2019	499,263		(4,504)			(4,504)	489,434	492,110			
EB1596051269	STUDIO CITY	CA		08/07/2015	05/01/2019	663,716		(4,428)			(4,428)	654,592	656,948			
EB1596053030	APTOS	CA		06/24/2016	06/01/2019	1,461,318		(40,851)			(40,851)	1,409,452	1,413,883			
EB1596053095	SAN JOSE	CA		06/24/2016	05/01/2019	698,654		(13,314)			(13,314)	680,858	681,984			
EB1596053369	WHEAT RIDGE	CO		08/19/2016	06/01/2019	508,761		(5,053)			(5,053)	499,402	501,133			
EB1596053604	ALEXANDRIA	VA		12/16/2016	04/01/2019	678,165		904			904	674,237	675,450			
EB1786002666	SAN MATEO	CA		03/24/2016	05/01/2019	973,144		(2,184)			(2,184)	965,530	967,337			
EB1791002779	REHOBOTH BEACH	DE		07/17/2015	04/01/2019	589,058		(92)			(92)	585,229	585,229			

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE B - PART 3

Showing All Mortgage Loans DISPOSED, Transferred or Repaid During the Current Quarter

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	2	3					8	9	10	11	12	13					
Loan Number	City	State	Loan Type	Date Acquired	Disposal Date	Book Value/Recorded Investment Excluding Accrued Interest Prior Year	Unrealized Valuation Increase (Decrease)	Current Year's (Amortization) /Accretion	Current Year's Other Than Temporary Impairment Recognized	Capitalized Deferred Interest and Other	Total Change in Book Value (8+9-10+11)	Total Foreign Exchange Change in Book Value	Book Value/Recorded Investment Excluding Accrued Interest on Disposal	Consid-eration	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal
EB1793000986	ARLINGTON	VA		08/07/2015	04/01/2019	843,156		(5,406)			(5,406)		832,685		832,685		
FR125712427	BOSTON	MA		10/21/2016	05/01/2019	541,927		1,569			1,569		537,672		539,134		
FR125764253	PALO ALTO	CA		12/02/2016	05/01/2019	1,262,158		6,276			6,276		1,259,484		1,261,731		
PH7118861454	MINNETONKA	MN		09/18/2015	05/01/2019	394,147		(521)			(521)		390,796		391,507		
PH7131394269	JACKSONVILLE BEACH	FL		02/26/2015	06/01/2019	409,965		(1,486)			(1,486)		404,689		406,212		
PH7131865449	SAMMAMISH	WA		10/24/2014	05/01/2019	767,305		(4,829)			(4,829)		756,933		758,326		
PH7132361465	POTOMAC	MD		11/07/2014	05/01/2019	766,929		8,765			8,765		769,967		771,406		
PH7132698023	PHILADELPHIA	PA		02/13/2015	05/01/2019	421,414		(2,139)			(2,139)		415,318		416,305		
PH7134018097	LONGMONT	CO		08/07/2015	05/01/2019	976,566		(1,873)			(1,873)		967,687		969,447		
PH7134999361	RAYNHAM	MA		02/12/2016	06/01/2019	428,342		(2,045)			(2,045)		422,700		424,146		
PH7136101644	MIAMI	FL		02/26/2016	04/01/2019	422,884		2,579			2,579		423,245		423,245		
0199999. Mortgages closed by repayment						123,988,259		(119,500)			(119,500)		122,949,136	123,219,591		2,653	2,653
0331002	SHELTON	CT		12/22/2005		23,348,118							685,251		685,251		
0374201	SANTA ANA	CA		07/01/2003		4,847,509							88,305		88,305		
0374401	SANTA ANA	CA		07/01/2003		5,938,199							108,173		108,173		
0416002	BOSTON	MA		07/23/2014		40,520,744							203,208		203,208		
0433901	ST PETERSBURG	FL		12/13/2002		2,994,823							170,293		170,293		
0433902	ST PETERSBURG	FL		12/13/2002		11,380,325							647,112		647,112		
0433903	ST PETERSBURG	FL		01/30/2004		8,335,887							474,013		474,013		
0450203	CORALVILLE	IA		08/03/2012		105,202,058							426,382		426,382		
0463803	ARLINGTON	TX		08/03/2012		238,483,538							988,684		988,684		
0473203	FRIENDSWOOD	TX		08/03/2012		238,383,970							996,264		996,264		
0499002	LEXINGTON	KY		04/26/2011		76,132,057							671,268		671,268		
0524201	SACRAMENTO	CA		01/28/2011		27,647,004							505,070		505,070		
0534705	PALMYRA	PA		10/15/2013		51,565,523							224,986		224,986		
0534706	DALLAS	TX		10/15/2013		38,805,241							169,311		169,311		
0545702	SAN DIEGO	CA		02/11/2013		74,235,496							402,073		402,073		
0548901	ATLANTA	GA		05/03/2013		69,734,318							404,866		404,866		
0552604	RICHMOND	VA		08/30/2013		94,423,964							440,854		440,854		
0552701	NEW YORK	NY		09/13/2013		47,212,449							239,048		239,048		
0556101	BETHESDA	MD		12/23/2011		28,834,808							161,640		161,640		
0582812	DFW AIRPORT	TX		06/03/2014		56,756,103							266,325		266,325		
0582813	SOUTHAVEN	MS		06/03/2014		18,149,723							85,167		85,167		
0582814	SAN BERNARDINO	CA		06/03/2014		50,029,865							234,762		234,762		
0582815	SAN BERNARDINO	CA		06/03/2014		45,721,737							214,547		214,547		
0584501	SEATTLE	WA		12/29/2011		72,678,524							375,118		375,118		
0584502	SEATTLE	WA		12/29/2011		37,949,731							254,051		254,051		
0587001	SEATTLE	WA		03/30/2011		37,506,496							153,384		153,384		
0587200	LONG BEACH	CA		07/23/2004		30,014,096							503,384		503,384		
0587201	LONG BEACH	CA		10/25/2007		3,756,021							139,953		139,953		
0596800	PALO ALTO	CA		12/22/2004		16,794,731							160,207		160,207		
0598900	SCOTTSDALE	AZ		07/20/2005		3,491,679							530,867		530,867		
0606801	WILLOW GROVE	PA		09/21/2015		79,950,034							429,835		429,835		
0611500	LAS VEGAS	NV		09/27/2005		8,604,362							266,392		266,392		
0613100	LAS VEGAS	NV		12/20/2006		10,297,417							255,267		255,267		
0617003	SANTA CLARA	CA		06/12/2013		84,907,847							480,786		480,786		
0624600	CHICAGO	IL		01/03/2006		96,052,404							384,590		384,590		
0626400	LANDOWNE	VA		05/30/2007		31,723,365							249,315		249,315		
0627000	WASHINGTON	DC		04/27/2006		114,034,210							733,296		733,296		
0635601	SAN ANTONIO	TX		09/05/2007		8,850,595							169,263		169,263		
0638900	LAUREL	MD		11/30/2007		43,368,018							209,112		209,112		
0642800	HOUSTON	TX		09/27/2007		35,752,530							244,576		244,576		
0642801	HOUSTON	TX		07/28/2016		2,399,187							16,412		16,412		
0663700	NEW YORK	NY		04/01/2008		31,312,044							432,513		432,513		
0675400	SAN ANTONIO	TX		09/21/2010		22,489,372							136,115		136,115		
0677101	SAN DIEGO	CA		08/27/2013		91,088,002							488,684		488,684		
0677102	SAN DIEGO	CA		12/20/2017		29,533,132							131,847		131,847		
0680300	HOUSTON	TX		12/29/2010		28,056,018							147,630		147,630		
0680500	DALLAS	TX		12/23/2010		23,530,854							123,819		123,819		
0682700	ATLANTA	GA		04/02/2012		38,493,155							213,858		213,858		

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE B - PART 3

Showing All Mortgage Loans DISPOSED, Transferred or Repaid During the Current Quarter

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0683100	NORFOLK	VA		05/06/2011		52,584,263							306,507	306,507			
0684800	RICHARDSON	TX		06/29/2011		30,473,374							166,561	166,561			
0685700	FRANKLIN	TN		09/15/2011		46,501,123							249,838	249,838			
0686400	ANNAPOLIS	MD		12/30/2011		21,683,412							140,543	140,543			
0686700	DALLAS	TX		11/07/2011		55,265,862							325,533	325,533			
0687100	NEW YORK	NY		12/05/2011		208,550,145							1,146,694	1,146,694			
0688000	CHARLOTTE	NC		12/29/2011		71,974,524							414,442	414,442			
0688600	VENTURA	CA		03/30/2012		121,541,508							800,315	800,315			
0689300	DURHAM	NC		04/06/2012		119,331,490							652,450	652,450			
0689700	PHILADELPHIA	PA		09/27/2012		24,433,367							214,135	214,135			
0689800	HOUSTON	TX		09/28/2012		83,706,775							756,448	756,448			
0690400	POTOMAC	MD		09/14/2012		19,250,945							91,914	91,914			
0691200	CHERRY HILL	NJ		08/15/2012		137,558,276							788,961	788,961			
0691300	HOUSTON	TX		02/21/2013		72,334,910							556,933	556,933			
0691500	KIRKLAND	WA		08/22/2012		18,835,114							107,824	107,824			
0691600	PORTLAND	OR		08/22/2012		21,132,079							120,974	120,974			
0691700	LOS ANGELES	CA		08/22/2012		40,426,587							231,428	231,428			
0693400	NEW YORK	NY		11/09/2012		78,581,729							332,827	332,827			
0693900	DALLAS	TX		12/21/2012		34,264,593							220,716	220,716			
0694400	FAIRFAX	VA		02/28/2013		80,292,371							460,104	460,104			
0696400	NEW YORK	NY		07/31/2013		84,523,636							445,913	445,913			
0696500	NEW YORK	NY		07/31/2013		75,132,121							396,368	396,368			
0696900	LOS ANGELES	CA		06/27/2013		124,008,919							606,858	606,858			
0697600	NEW YORK	NY		08/01/2013		19,846,859							114,788	114,788			
0698700	ATLANTA	GA		08/22/2013		16,629,610							89,640	89,640			
0698800	MCLEAN	VA		08/30/2013		255,198,289							1,511,897	1,511,897			
0698900	RICHMOND	TX		11/04/2013		19,192,047							80,151	80,151			
0699300	DENVER	CO		10/30/2013		74,510,265							417,939	417,939			
0699500	HOUSTON	TX		09/06/2013		113,909,307							656,270	656,270			
0699800	BLOOMFIELD	CT		01/13/2014		33,000,000							119,508	119,508			
0700300	ANDOVER	MA		12/20/2013		35,910,042							168,059	168,059			
0700400	HAPEVILLE	GA		12/06/2013		56,636,721							399,297	399,297			
0700700	BROOKLYN	NY		11/14/2013		34,458,622							196,893	196,893			
0700800	BROOMFIELD	CO		11/08/2013		116,409,274							980,802	980,802			
0701500	PHILADELPHIA	PA		12/06/2013		47,663,263							218,501	218,501			
0702500	WARWICK	RI		01/13/2014		22,000,000							79,672	79,672			
0702900	GLENDALE	CA		07/30/2014		42,231,593							148,882	148,882			
0703600	NEW YORK	NY		03/12/2014		69,380,293							251,670	251,670			
0703700	MCLEAN	VA		04/29/2014		97,744,568							509,188	509,188			
0703900	GLENVIEW	IL		07/01/2014		40,826,269							186,192	186,192			
0704400	PORTLAND	OR		07/07/2014		37,399,295							131,810	131,810			
0704800	HOUSTON	TX		05/30/2014		252,679,800							1,362,466	1,362,466			
0706100	BOLTON	GBR		07/10/2014		133,878,732							841,657	841,657			
0708400	MANTECA	CA		08/19/2014		4,912,629							21,772	21,772			
0708401	SAN JUAN CAPISTRANO	CA		08/19/2014		1,695,734							9,161	9,161			
0708402	LOS ANGELES	CA		08/19/2014		2,027,180							11,547	11,547			
0708403	LOS ANGELES	CA		08/19/2014		1,355,552							7,937	7,937			
0708404	SAN DIEGO	CA		08/19/2014		914,388							6,491	6,491			
0708405	HEALSBURG	CA		08/19/2014		461,279							12,296	12,296			
0708406	SANGER	CA		10/16/2014		464,456							3,970	3,970			
0708407	VAN NUYS	CA		10/16/2014		4,684,032							20,565	20,565			
0708408	GAINESVILLE	GA		09/29/2015		2,187,707							8,803	8,803			
0708800	AUSTIN	TX		10/14/2014		81,676,471							420,444	420,444			
0711100	BEL AIR	MD		12/05/2014		48,387,596							228,785	228,785			
0713000	ALEXANDRIA	VA		02/17/2015		34,338,658							158,392	158,392			
0714201	CHARLOTTE	NC		07/10/2017		84,121,791							395,754	395,754			
0715200	KEARNY	NJ		10/21/2015		42,426,571							223,780	223,780			
0716400	WALNUT CREEK	CA		08/26/2015		99,564,771							443,962	443,962			
0717800	MANDAN	ND		10/08/2015		1,054,981							7,107	7,107			
0718200	ORLANDO	FL		09/16/2015		43,374,440							191,820	191,820			



STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE B - PART 3

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0718400	ATLANTA	GA		09/16/2015		48,425,622							238,503	238,503			
0719700	CAMBRIDGE	GBR		12/11/2015		64,836,661							538,492	538,492			
0721800	FRISCO	TX		03/11/2016		39,350,000							117,678	117,678			
0722400	KANSAS CITY	MO		03/28/2016		320,000,000							948,559	948,559			
0722500	ALPHARETTA	GA		05/20/2016		49,680,000							75,489	75,489			
0803100	AUSTIN	TX		09/07/2016		34,377,133							182,087	182,087			
0803200	POTTSTOWN	PA		11/02/2016		59,408,309							279,249	279,249			
0833600	HARRISBURG	PA		12/29/2016		49,350,000							212,067	212,067			
0833800	ATLANTA	GA		12/20/2016		45,754,724							198,434	198,434			
0841900	SANDSTON	VA		09/08/2017		371,030,000							8,500,000	8,500,000			
0853300	NOVI	MI		03/14/2018		98,938,216							363,128	363,128			
0856300	HACKENSACK	NJ		05/22/2018		42,625,157							192,156	192,156			
0863400	KIRKLAND	WA		08/01/2018		49,717,499							216,672	216,672			
A881619	NORMAN	OK		04/18/1997		65,207							1,783	1,783			
EB1027549259	CHARLOTTE	NC		12/16/2016		491,926							2,521	2,521			
EB1028548196	VENTURA	CA		12/16/2016		605,960							3,160	3,160			
EB1028600849	SIMI VALLEY	CA		10/07/2016		535,467							4,321	4,321			
EB1028601459	MOORPARK	CA		12/16/2016		614,064							3,162	3,162			
EB1104004375	DALLAS	TX		12/18/2015		525,948							3,809	3,809			
EB1104004417	FORT WORTH	TX		12/18/2015		407,323							2,243	2,243			
EB1140000543	WASHINGTON	DC		06/24/2016		670,836							3,548	3,548			
EB1143010219	CEDAR GROVE	NJ		07/17/2015		594,291							4,830	4,830			
EB1143010341	MILLSTONE TOWNSHIP	NJ		08/07/2015		626,396							3,659	3,659			
EB1143010864	WARREN	NJ		07/17/2015		595,889							3,338	3,338			
EB1143010869	ROSELAND	NJ		08/07/2015		444,913							2,539	2,539			
EB1143012022	OLD TAPPAN	NJ		12/18/2015		441,034							2,306	2,306			
EB1143013484	WYCKOFF	NJ		12/16/2016		615,609							3,509	3,509			
EB1143014124	ALEXANDRIA	VA		08/19/2016		415,806							2,193	2,193			
EB1143015254	CHATHAM	NJ		12/16/2016		694,365							3,906	3,906			
EB1143015364	GREENWICH	CT		12/16/2016		657,567							4,591	4,591			
EB1144000074	NEW YORK	NY		10/09/2015		719,525							4,139	4,139			
EB1144000089	NEW YORK	NY		08/07/2015		1,014,706							5,760	5,760			
EB1144000105	NEW YORK	NY		08/07/2015		740,780							4,228	4,228			
EB1144000106	NEW YORK	NY		06/24/2016		380,163							2,015	2,015			
EB1144000136	BROOKLYN	NY		11/20/2015		395,005							2,177	2,177			
EB1144000174	ARDSLEY	NY		12/18/2015		518,706							2,746	2,746			
EB1144000183	NEW YORK	NY		12/18/2015		503,787							2,767	2,767			
EB1144000252	WOODLAND HILLS	CA		06/24/2016		595,063							3,307	3,307			
EB1144000257	NEW YORK	NY		12/18/2015		777,885							4,175	4,175			
EB1144000275	WASHINGTON	DC		12/18/2015		664,932							3,485	3,485			
EB1144000327	MIDDLE VILLAGE	NY		06/24/2016		459,614							2,498	2,498			
EB1144000357	NEW YORK	NY		06/24/2016		505,726							2,735	2,735			
EB1144000396	HAMPTON BAYS	NY		06/24/2016		402,843							2,056	2,056			
EB1144000435	NEW YORK	NY		06/24/2016		494,944							2,598	2,598			
EB1170010773	SEATTLE	WA		07/17/2015		620,601							3,365	3,365			
EB1170011354	MARINA DEL REY	CA		08/07/2015		611,584							6,073	6,073			
EB1170012747	SEATTLE	WA		06/24/2016		466,786							2,543	2,543			
EB1170015086	VANCOUVER	WA		12/16/2016		364,190							13,281	13,281			
EB1170015220	SAN RAFAEL	CA		12/16/2016		905,301							4,855	4,855			
EB1171009230	SEATTLE	WA		08/07/2015		464,969							2,489	2,489			
EB1171010092	SEATTLE	WA		10/09/2015		615,502							3,541	3,541			
EB1171010255	CARMEL VALLEY	CA		11/20/2015		426,156							2,655	2,655			
EB1171010551	BELLEVUE	WA		10/09/2015		568,916							3,174	3,174			
EB1171010808	SEATTLE	WA		07/17/2015		554,617							4,363	4,363			
EB1171010825	SNOQUALMIE	WA		07/17/2015		455,179							3,504	3,504			
EB1171010935	ISSAQUAH	WA		10/09/2015		478,887							2,767	2,767			
EB1171010943	SEATTLE	WA		07/17/2015		798,043							4,550	4,550			
EB1171011107	SNOQUALMIE	WA		10/09/2015		419,778							2,231	2,231			
EB1171011283	BELLEVUE	WA		12/18/2015		395,885							2,085	2,085			
EB1171011491	BOTHELL	WA		12/18/2015		413,299							2,351	2,351			

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE B - PART 3

Showing All Mortgage Loans DISPOSED, Transferred or Repaid During the Current Quarter

1	Location		4	5	6	7	Change in Book Value/Recorded Investment						14	15	16	17	18
	2	3					8	9	10	11	12	13					
Loan Number	City	State	Loan Type	Date Acquired	Disposal Date	Book Value/Recorded Investment Excluding Accrued Interest Prior Year	Unrealized Valuation Increase (Decrease)	Current Year's (Amortization) /Accretion	Current Year's Other Than Temporary Impairment Recognized	Capitalized Deferred Interest and Other	Total Change in Book Value (8+9-10+11)	Total Foreign Exchange Change in Book Value	Book Value/Recorded Investment Excluding Accrued Interest on Disposal	Consid-eration	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal
EB1171012158	BOTHELL	WA		12/18/2015		412,198							2,272	2,272			
EB1171012415	BOTHELL	WA		12/18/2015		356,496							5,608	5,608			
EB1171012482	BELLEVUE	WA		12/18/2015		534,853							2,856	2,856			
EB1171012494	SNOQUALMIE	WA		12/18/2015		429,104							2,576	2,576			
EB1171012511	SNOHOMISH	WA		12/18/2015		600,608							6,254	6,254			
EB1171013196	SEATTLE	WA		06/24/2016		630,897							3,328	3,328			
EB1171013474	SEATTLE	WA		03/24/2016		580,033							2,821	2,821			
EB1171013513	BOTHELL	WA		06/24/2016		380,668							7,117	7,117			
EB1171013853	BAINBRIDGE ISLAND	WA		08/19/2016		643,482							3,394	3,394			
EB1171014557	BELLEVUE	WA		08/19/2016		454,639							2,713	2,713			
EB1171014892	BELLEVUE	WA		10/12/2016		914,248							5,358	5,358			
EB1171015259	CLYDE HILL	WA		12/16/2016		1,141,251							5,549	5,549			
EB1171015379	GREENBANK	WA		12/16/2016		590,490							2,925	2,925			
EB1171015609	KIRKLAND	WA		12/16/2016		967,458							5,420	5,420			
EB1171015700	BOTHELL	WA		12/16/2016		523,184							2,969	2,969			
EB1171015727	KIRKLAND	WA		12/16/2016		415,771							2,295	2,295			
EB1215001434	ISLAMORADA	FL		12/18/2015		564,935							3,166	3,166			
EB1215002642	RANCHO MISSION VIEJO	CA		10/09/2015		410,489							3,005	3,005			
EB1215002936	PALM BEACH GARDENS	FL		11/20/2015		485,478							2,950	2,950			
EB1215003015	MIAMI	FL		12/18/2015		659,475							4,046	4,046			
EB1215003036	FT LAUDERDALE	FL		12/18/2015		453,532							3,124	3,124			
EB1215003152	MIAMI BEACH	FL		03/24/2016		584,106							3,134	3,134			
EB1216002172	MIAMI	FL		07/30/2015		628,519							3,523	3,523			
EB1216002421	CORAL GABLES	FL		09/25/2015		444,764							4,660	4,660			
EB1216002512	MIAMI	FL		07/17/2015		543,443							3,016	3,016			
EB1216002726	CORAL GABLES	FL		12/18/2015		783,009							4,328	4,328			
EB1216002733	TAVERNIER	FL		12/18/2015		895,126							6,213	6,213			
EB1216002934	CORAL GABLES	FL		06/24/2016		396,272							2,143	2,143			
EB1216002977	SOUTH MIAMI	FL		06/24/2016		792,555							4,287	4,287			
EB1216003194	NORTH MIAMI BEACH	FL		08/19/2016		769,294							3,958	3,958			
EB1216003216	SOUTH MIAMI	FL		08/19/2016		541,392							2,710	2,710			
EB1216003287	SOUTH MIAMI	FL		08/17/2016		522,490							4,274	4,274			
EB1216003368	CORAL GABLES	FL		08/19/2016		444,793							2,395	2,395			
EB1216003433	CORAL GABLES	FL		12/16/2016		629,718							3,401	3,401			
EB1216003574	GALVESTON	TX		12/16/2016		222,322							12,905	12,905			
EB1216003655	COCONUT GROVE	FL		12/16/2016		440,097							2,258	2,258			
EB1216003663	HILTON HEAD	SC		12/16/2016		458,484							2,540	2,540			
EB1216003667	MIAMI	FL		12/16/2016		1,034,957							5,706	5,706			
EB1221058473	PONTE VEDRA	FL		12/18/2015		395,114							2,170	2,170			
EB1221058703	JACKSONVILLE	FL		12/18/2015		481,414							3,175	3,175			
EB1221059223	PONTE VEDRA BEACH	FL		12/18/2015		418,826							2,289	2,289			
EB1221060185	TAMPA	FL		09/18/2015		595,321							3,276	3,276			
EB1221060742	PONTE VEDRA BEACH	FL		09/18/2015		792,075							4,296	4,296			
EB1221062495	JACKSONVILLE BEACH	FL		11/20/2015		468,903							3,355	3,355			
EB1221062515	SAINT JOHNS	FL		12/18/2015		488,346							2,729	2,729			
EB1221062749	PONTE VEDRA BEACH	FL		09/25/2015		615,843							3,363	3,363			
EB1221062901	JACKSONVILLE	FL		07/17/2015		1,069,721							5,844	5,844			
EB1221062977	PONTE VEDRA	FL		06/24/2016		491,213							2,959	2,959			
EB1221063073	JACKSONVILLE	FL		09/25/2015		1,159,674							6,552	6,552			
EB1221063111	PONTE VEDRA	FL		08/19/2016		475,513							2,523	2,523			
EB1221063483	PONTE VEDRA BEACH	FL		08/07/2015		618,895							3,607	3,607			
EB1221063494	SANTA ANA	CA		07/17/2015		769,382							4,161	4,161			
EB1221064120	SAINT AUGUSTINE	FL		08/07/2015		399,216							1,447	1,447			
EB1221064384	PONTE VEDRA BEACH	FL		11/20/2015		595,132							3,199	3,199			
EB1221064451	PONTE VEDRA BEACH	FL		11/20/2015		434,960							4,330	4,330			
EB1221064452	PONTE VEDRA BEACH	FL		11/20/2015		301,616							1,637	1,637			
EB1221064560	SAINT AUGUSTINE	FL		12/18/2015		643,835							3,454	3,454			
EB1221064647	ATLANTIC BEACH	FL		12/18/2015		725,970							3,886	3,886			
EB1221064680	JACKSONVILLE	FL		11/20/2015		993,436							6,172	6,172			
EB1221064842	FERNANDINA BEACH	FL		12/18/2015		457,120							2,287	2,287			

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE B - PART 3

Showing All Mortgage Loans DISPOSED, Transferred or Repaid During the Current Quarter

1	Location		4	5	6	7	Change in Book Value/Recorded Investment						14	15	16	17	18
	2	3					8	9	10	11	12	13					
Loan Number	City	State	Loan Type	Date Acquired	Disposal Date	Book Value/Recorded Investment Excluding Accrued Interest Prior Year	Unrealized Valuation Increase (Decrease)	Current Year's (Amortization)/Accretion	Current Year's Other Than Temporary Impairment Recognized	Capitalized Deferred Interest and Other	Total Change in Book Value (8+9-10+11)	Total Foreign Exchange Change in Book Value	Book Value/Recorded Investment Excluding Accrued Interest on Disposal	Consid-eration	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal
EB1221064860	SAINT AUGUSTINE	FL		12/18/2015		720,078							3,798	3,798			
EB1221065084	FERNANDINA BEACH	FL		11/20/2015		421,728							2,288	2,288			
EB1221065212	JACKSONVILLE	FL		12/18/2015		469,353							1,679	1,679			
EB1221065631	JACKSONVILLE	FL		12/18/2015		407,534							2,241	2,241			
EB1221065736	JACKSONVILLE	FL		06/24/2016		429,661							2,066	2,066			
EB1221065773	TOWN OF NOCATEE	FL		10/07/2016		408,695							2,652	2,652			
EB1221065805	ST JOHNS	FL		06/24/2016		440,801							3,469	3,469			
EB1221065863	PONTE VEDRA BEACH	FL		06/24/2016		497,585							2,847	2,847			
EB1221066003	JACKSONVILLE	FL		06/24/2016		338,773							1,788	1,788			
EB1221066087	PONTE VEDRA BEACH	FL		06/24/2016		491,672							2,483	2,483			
EB1221066207	JACKSONVILLE	FL		06/24/2016		582,802							3,290	3,290			
EB1221066755	PONTE VEDRA BEACH	FL		08/19/2016		605,840							3,309	3,309			
EB1221066796	PONTE VEDRA BEACH	FL		06/24/2016		428,262							2,973	2,973			
EB1221066985	JACKSONVILLE	FL		06/24/2016		574,251							3,020	3,020			
EB1221067634	JACKSONVILLE	FL		08/19/2016		436,195							7,082	7,082			
EB1221067810	PONTE VEDRA BEACH	FL		08/19/2016		513,505							3,283	3,283			
EB1221068366	PONTE VEDRA BEA	FL		10/07/2016		434,521							2,223	2,223			
EB1221068604	PONTE VEDRA BEA	FL		10/07/2016		662,924							3,548	3,548			
EB1221069102	FERNANDINA BEACH	FL		12/16/2016		358,882							9,473	9,473			
EB1221070134	ATLANTIC BEACH	FL		12/16/2016		493,365							2,646	2,646			
EB1222513948	SANTA ROSA	CA		07/30/2015		408,436							2,320	2,320			
EB1222515740	SPARKS	MD		12/18/2015		456,633							2,522	2,522			
EB1222516505	SAN GABRIEL	CA		12/18/2015		698,855							3,846	3,846			
EB1222529321	EL SEGUNDO	CA		09/25/2015		624,049							4,342	4,342			
EB1222529693	BONITA SPRINGS	FL		07/17/2015		433,828							3,525	3,525			
EB1222530047	BOCA RATON	FL		08/07/2015		876,056							4,910	4,910			
EB1222530332	CEDAR HILL	TX		07/17/2015		793,388							4,313	4,313			
EB1222530507	MANHATTAN BEACH	CA		08/07/2015		1,079,042							6,006	6,006			
EB1222530963	SAN FRANCISCO	CA		07/17/2015		623,429							3,366	3,366			
EB1222530971	KNOXVILLE	TN		12/18/2015		789,469							4,216	4,216			
EB1222531331	ALLEN	TX		08/07/2015		628,983							3,427	3,427			
EB1222531773	WESTPORT	CT		08/07/2015		574,700							3,429	3,429			
EB1222531963	SUNNY ISLES BEACH	FL		11/20/2015		994,698							8,319	8,319			
EB1222532436	GREENWOOD VILLAGE	CO		08/07/2015		606,138							3,321	3,321			
EB1222532516	HIGHLANDS	NC		08/07/2015		463,290							2,592	2,592			
EB1222532592	CHATHAM	MA		12/18/2015		568,936							2,997	2,997			
EB1222532600	REDWOOD CITY	CA		08/07/2015		817,037							8,057	8,057			
EB1222532623	LA QUINTA	CA		06/24/2016		454,369							2,456	2,456			
EB1222532760	KANEHOE	HI		08/07/2015		640,373							5,426	5,426			
EB1222532870	MILTON	DE		12/18/2015		520,895							4,069	4,069			
EB1222534409	MORRISTOWN	NJ		12/18/2015		570,921							1,988	1,988			
EB1222534755	SAN JOSE	CA		03/24/2016		680,757							3,447	3,447			
EB1222534882	ENGLEWOOD	CO		12/18/2015		861,158							4,504	4,504			
EB1222535315	NORTHFIELD	IL		12/18/2015		528,020							2,834	2,834			
EB1222535686	TENAFLY	NJ		12/18/2015		526,624							3,453	3,453			
EB1222535815	FOSTER CITY	CA		10/12/2016		521,285							2,706	2,706			
EB1222535958	NEW ORLEANS	LA		12/18/2015		447,867							3,062	3,062			
EB1222536135	SEATTLE	WA		12/18/2015		760,204							4,019	4,019			
EB1222536927	CHILMARK	MA		12/16/2015		429,572							3,070	3,070			
EB1222537861	SOLANA BEACH	CA		03/24/2016		563,672							5,387	5,387			
EB1222538558	SAINT CHARLES	IL		06/24/2016		534,864							2,912	2,912			
EB1222539405	BELLEVUE	WA		03/24/2016		690,706							3,532	3,532			
EB1222540366	ALBANY	CA		10/12/2016		551,170							2,812	2,812			
EB1222540457	WASHINGTON	DC		06/24/2016		706,060							5,032	5,032			
EB1222541085	SCOTTSDALE	AZ		08/19/2016		572,307							3,019	3,019			
EB1222541566	SEATTLE	WA		08/19/2016		599,538							3,137	3,137			
EB1222543094	RICHMOND	TX		10/12/2016		441,326							2,390	2,390			
EB1222544392	ROCKVILLE	MD		08/19/2016		632,489							3,336	3,336			
EB1222545020	SAN DIEGO	CA		08/17/2016		591,710							3,163	3,163			
EB1222545282	FORT COLLINS	CO		08/17/2016		442,111							2,355	2,355			

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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EB1222546150	CARLSBAD	CA		08/17/2016		628,084							3,357	3,357			
EB1222546556	GLENDALE	CA		10/12/2016		830,067							4,959	4,959			
EB1222549417	NASHVILLE	TN		12/16/2016		459,953							9,979	9,979			
EB1222550563	LOS ANGELES	CA		12/16/2016		746,203							3,961	3,961			
EB1222601332	LAFAYETTE	LA		12/16/2016		453,097							2,257	2,257			
EB1222601666	ENGLEWOOD	CO		12/16/2016		869,267							4,537	4,537			
EB1223005888	MELBOURNE BEACH	FL		09/19/2015		697,123							4,052	4,052			
EB1223010400	COCOA	FL		12/18/2015		454,390							2,393	2,393			
EB1223010541	MELBOURNE	FL		06/24/2016		221,390							13,052	13,052			
EB1223010648	MALABAR	FL		11/20/2015		461,568							2,519	2,519			
EB1223010671	COCOA BEACH	FL		12/18/2015		380,549							5,306	5,306			
EB1223011816	MELBOURNE	FL		06/24/2016		551,232							2,924	2,924			
EB1223011951	MALABAR	FL		08/19/2016		673,135							3,543	3,543			
EB1223012170	OAK HILL	VA		12/16/2016		917,763							5,109	5,109			
EB1223012229	INDIALANTIC	FL		10/12/2016		485,488							2,562	2,562			
EB1223012725	SATELLITE BEACH	FL		12/16/2016		608,888							3,477	3,477			
EB1223013138	ORLANDO	FL		12/16/2016		454,895							2,520	2,520			
EB1224001529	WINDERMERE	FL		08/17/2016		1,042,374							5,713	5,713			
EB1247002613	BOCA RATON	FL		10/09/2015		414,259							2,254	2,254			
EB1247002648	DAVIE	FL		07/17/2015		394,359							2,222	2,222			
EB1247002667	DELRAY BEACH	FL		07/17/2015		413,927							1,755	1,755			
EB1247002743	JUPITER	FL		12/18/2015		1,275,983							7,581	7,581			
EB1247002767	BOCA RATON	FL		11/20/2015		924,005							7,124	7,124			
EB1247002781	PARKLAND	FL		07/17/2015		630,385							3,444	3,444			
EB1247002803	BOCA RATON	FL		07/17/2015		495,281							2,259	2,259			
EB1247002862	BOCA RATON	FL		12/18/2015		286,965							32,940	32,940			
EB1247003086	DAVIE	FL		12/18/2015		421,554							2,144	2,144			
EB1248001432	TAMPA	FL		08/07/2015		401,504							2,373	2,373			
EB1248002419	TAMPA	FL		12/16/2016		436,743							4,350	4,350			
EB1249002270	NAPLES	FL		11/20/2015		567,581							3,066	3,066			
EB1249002396	NAPLES	FL		06/24/2016		507,235							2,702	2,702			
EB1249002576	NAPLES	FL		12/18/2015		485,127							3,540	3,540			
EB1249002805	VENICE	FL		08/19/2016		419,432							2,913	2,913			
EB1249003192	LAFAYETTE	CA		12/16/2016		1,125,847							6,237	6,237			
EB1249003388	NAPLES	FL		12/16/2016		926,889							4,899	4,899			
EB1249003492	SHELTER ISLAND	NY		12/16/2016		789,417							4,132	4,132			
EB1249003962	NAPLES	FL		12/16/2016		436,073							2,350	2,350			
EB1249003968	PUNTA GORDA	FL		12/16/2016		739,474							6,769	6,769			
EB1259000771	AVON	CO		07/30/2015		383,777							3,404	3,404			
EB1259000940	TELLURIDE	CO		10/09/2015		926,414							5,078	5,078			
EB1259001254	VAIL	CO		09/25/2015		1,188,231							6,521	6,521			
EB1259001331	AVON	CO		07/17/2015		496,858							2,694	2,694			
EB1259001343	EDWARDS	CO		07/17/2015		869,135							4,856	4,856			
EB1259001363	ASPEN	CO		08/07/2015		944,266							3,497	3,497			
EB1259001421	EDWARDS	CO		08/07/2015		660,696							3,771	3,771			
EB1259001468	EDWARDS	CO		08/07/2015		474,311							2,813	2,813			
EB1259001476	KENSINGTON	MD		11/20/2015		452,139							2,481	2,481			
EB1259001548	EAGLE	CO		12/18/2015		409,592							2,198	2,198			
EB1259001610	PARK CITY	UT		12/18/2015		591,428							3,134	3,134			
EB1259001805	STEAMBOAT SPRINGS	CO		12/18/2015		557,294							2,976	2,976			
EB1259001827	PARK CITY	UT		12/18/2015		505,852							2,773	2,773			
EB1259001927	CASTLE ROCK	CO		12/18/2015		588,219							3,082	3,082			
EB1259002143	MINTURN	CO		06/24/2016		1,167,426							6,219	6,219			
EB1259002243	ASPEN	CO		08/19/2016		1,871,910							9,679	9,679			
EB1259002337	PARK CITY	UT		08/19/2016		424,214							2,238	2,238			
EB1259002374	WASHINGTON	DC		08/19/2016		477,711							2,520	2,520			
EB1259002723	NAPERVILLE	IL		12/16/2016		436,935							2,448	2,448			
EB1259002799	MOUNTAIN VILLAGE	CO		12/16/2016		715,497							3,747	3,747			
EB1259002866	ROCKVILLE	MD		12/16/2016		623,755							3,738	3,738			
EB1259002907	EAGLE	CO		12/16/2016		562,304							3,030	3,030			

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE B - PART 3

Showing All Mortgage Loans DISPOSED, Transferred or Repaid During the Current Quarter

1	Location		4	5	6	7	Change in Book Value/Recorded Investment						14	15	16	17	18
	2	3					8	9	10	11	12	13					
Loan Number	City	State	Loan Type	Date Acquired	Disposal Date	Book Value/Recorded Investment Excluding Accrued Interest Prior Year	Unrealized Valuation Increase (Decrease)	Current Year's (Amortization) /Accretion	Current Year's Other Than Temporary Impairment Recognized	Capitalized Deferred Interest and Other	Total Change in Book Value (8+9-10+11)	Total Foreign Exchange Change in Book Value	Book Value/Recorded Investment Excluding Accrued Interest on Disposal	Consid-eration	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal
EB12590002939	AVON	CO.		12/16/2016		661,702							3,364	3,364			
EB1276000547	HIGHLANDS RANCH	CO.		12/16/2016		546,352							2,934	2,934			
EB1341001587	PARKLAND	FL		12/18/2015		413,952							2,389	2,389			
EB1341001635	PARKLAND	FL		12/18/2015		656,824							3,601	3,601			
EB1341001770	PARKLAND	FL		12/18/2015		511,269							5,221	5,221			
EB1341001773	DAVIE	FL		12/18/2015		564,080							3,045	3,045			
EB1341001869	DELRAY BEACH	FL		12/16/2016		708,914							3,802	3,802			
EB1341001906	HUNTINGTON BEACH	CA		03/24/2016		500,238							2,589	2,589			
EB1341001961	BOCA RATON	FL		06/24/2016		938,215							5,314	5,314			
EB1349001031	MIAMI	FL		12/18/2015		417,957							2,190	2,190			
EB1351002030	NEW YORK	NY		07/30/2015		687,632							3,886	3,886			
EB1351002305	EAST MEADOW	NY		07/30/2015		387,717							2,253	2,253			
EB1351002469	ROSLYN	NY		09/18/2015		713,167							3,802	3,802			
EB1351002957	BROOKLYN	NY		10/09/2015		541,045							3,576	3,576			
EB1351003190	BROOKLYN	NY		08/07/2015		870,424							4,721	4,721			
EB1351003265	NEW YORK	NY		10/09/2015		631,954							4,781	4,781			
EB1351003327	BROOKLYN	NY		08/07/2015		1,093,729							5,795	5,795			
EB1351003376	NEW YORK	NY		07/17/2015		1,298,552							7,407	7,407			
EB1351003524	NEW YORK	NY		11/20/2015		791,329							4,393	4,393			
EB1351003600	BROOKLYN HEIGHTS	NY		11/20/2015		572,301							3,495	3,495			
EB1351003611	NEW YORK	NY		07/17/2015		483,124							2,704	2,704			
EB1351003676	NEW YORK	NY		11/20/2015		404,287							2,255	2,255			
EB1351003711	CHATHAM	NJ		08/07/2015		673,986							3,735	3,735			
EB1351003762	SOUTH ORANGE	NJ		10/09/2015		547,577							4,194	4,194			
EB1351003774	NEW YORK	NY		11/20/2015		550,913							6,257	6,257			
EB1351003811	MANHASSET	NY		08/07/2015		1,137,267							6,298	6,298			
EB1351003819	LONG ISLAND CITY	NY		10/09/2015		372,170							5,472	5,472			
EB1351003847	NEW YORK	NY		11/20/2015		1,433,858							7,958	7,958			
EB1351003888	NEW YORK	NY		12/18/2015		768,370							4,032	4,032			
EB1351003899	NEW YORK	NY		12/18/2015		1,328,757							6,959	6,959			
EB1351003905	NEW YORK	NY		08/07/2015		530,517							2,868	2,868			
EB1351003915	NEW YORK	NY		12/18/2015		1,036,293							5,681	5,681			
EB1351003930	NEW YORK	NY		11/20/2015		2,547,650							21,137	21,137			
EB1351004009	MONROE TOWNSHIP	NJ		11/20/2015		521,156							2,773	2,773			
EB1351004102	NEW YORK	NY		10/12/2016		689,030							3,541	3,541			
EB1351004168	TRURO	MA		12/18/2015		446,238							2,324	2,324			
EB1351004235	HOWARD BEACH	NY		12/18/2015		406,157							2,169	2,169			
EB1351004344	NEW YORK	NY		11/20/2015		902,626							4,950	4,950			
EB1351004353	NEW YORK	NY		12/18/2015		1,203,637							7,361	7,361			
EB1351004418	GARDEN CITY	NY		12/18/2015		750,609							4,097	4,097			
EB1351004460	NEW YORK	NY		12/18/2015		424,111							2,265	2,265			
EB1351004649	BROOKLYN	NY		06/24/2016		714,176							4,514	4,514			
EB1351004683	BELLMORE	NY		06/24/2016		690,589							22,782	22,782			
EB1351004817	STATEN ISLAND	NY		08/19/2016		801,151							4,050	4,050			
EB1351005094	NEW YORK	NY		06/24/2016		957,764							5,130	5,130			
EB1351005144	NEW YORK	NY		08/19/2016		1,796,223							9,475	9,475			
EB1351005342	NEW YORK	NY		08/19/2016		624,906							3,815	3,815			
EB1351005372	BROOKLYN	NY		08/17/2016		1,026,477							5,492	5,492			
EB1351005791	ARLINGTON	VA		12/16/2016		633,580							3,347	3,347			
EB1351005922	PLAINVIEW	NY		12/16/2016		433,288							3,273	3,273			
EB1352003839	REMSENBURG	NY		07/17/2015		923,160							5,007	5,007			
EB1352003843	HAMPTON BAYS	NY		07/17/2015		1,826,910							9,964	9,964			
EB1352003934	SETAUKET	NY		11/20/2015		473,831							2,547	2,547			
EB1352004188	QUIGUE	NY		12/18/2015		920,939							4,918	4,918			
EB1352004264	STONY BROOK	NY		12/18/2015		771,307							5,504	5,504			
EB1352004267	LARCHMONT	NY		12/18/2015		974,914							7,031	7,031			
EB1352004379	DOUGLASTON	NY		06/24/2016		953,478							4,980	4,980			
EB1352004398	HOBOKEN	NJ		06/24/2016		519,188							9,368	9,368			
EB1352004646	LLOYD HARBOR	NY		08/19/2016		645,136							3,491	3,491			
EB1353003184	MOUNT ARLINGTON	NJ		12/18/2015		827,327							4,642	4,642			

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE B - PART 3

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	2	3					8	9	10	11	12	13					
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EB1353003379	BRIDGEWATER	NJ		12/18/2015		402,831							2,213	2,213			
EB1353003620	MIDDLETOWN	NJ		07/30/2015		553,228							3,122	3,122			
EB1353004479	SOUTH ORANGE	NJ		07/17/2015		651,085							3,557	3,557			
EB1353004490	BOONTON TOWNSHIP	NJ		10/09/2015		638,333							5,779	5,779			
EB1353004664	MADISON	NJ		08/07/2015		593,959							3,390	3,390			
EB1353004669	RARITAN	NJ		08/19/2016		142,068							8,826	8,826			
EB1353004672	MAHWAH	NJ		09/25/2015		465,066							2,495	2,495			
EB1353004683	MENDHAM	NJ		08/07/2015		562,515							4,917	4,917			
EB1353004874	RANDOLPH	NJ		08/07/2015		533,744							2,975	2,975			
EB1353004988	BOONTON TOWNSHIP	NJ		08/07/2015		525,215							37,186	37,186			
EB1353005038	AUSTIN	TX		08/07/2015		559,512							3,066	3,066			
EB1353005061	SUMMIT	NJ		07/17/2015		1,033,353							5,865	5,865			
EB1353005122	DENVILLE	NJ		12/18/2015		616,347							3,246	3,246			
EB1353005185	LIVINGSTON	NJ		12/18/2015		411,081							3,042	3,042			
EB1353005217	MORRISTOWN	NJ		12/18/2015		430,335							3,443	3,443			
EB1353005230	ALBERTSON	NY		11/20/2015		346,802							2,584	2,584			
EB1353005260	CEDAR KNOLLS	NJ		12/18/2015		593,689							3,111	3,111			
EB1353005303	CRANFORD	NJ		12/18/2015		825,099							9,028	9,028			
EB1353006638	MADISON	NJ		12/16/2016		421,804							2,267	2,267			
EB1353006687	TOWACO	NJ		12/16/2016		675,032							3,846	3,846			
EB1354007606	ARDSLEY	NY		07/30/2015		419,960							2,366	2,366			
EB1354012258	RIVERSIDE	CT		11/20/2015		594,480							3,148	3,148			
EB1354014367	MOUNT KISCO	NY		08/19/2016		898,111							6,307	6,307			
EB1357000557	BROOKLINE	MA		07/17/2015		706,736							3,931	3,931			
EB1357000692	NEWTON	MA		11/20/2015		805,512							4,329	4,329			
EB1357000780	GEORGETOWN	SC		11/20/2015		475,507							2,530	2,530			
EB1357000849	MARSHFIELD	MA		12/18/2015		413,793							2,755	2,755			
EB1357000907	BEDFORD	MA		12/18/2015		487,597							2,744	2,744			
EB1357000940	NEWTON	MA		10/12/2016		548,796							3,162	3,162			
EB1357000968	LEXINGTON	MA		06/24/2016		1,559,311							8,312	8,312			
EB1357000970	UPTON	MA		06/24/2016		412,551							2,341	2,341			
EB1357000975	SOUTHBOROUGH	MA		08/19/2016		921,658							5,132	5,132			
EB1357001084	BROOKLINE	MA		08/19/2016		702,060							3,799	3,799			
EB1357001173	BROOKLINE	MA		12/16/2016		614,371							3,462	3,462			
EB1358013411	CARLSBAD	CA		03/24/2016		921,603							408,706	408,706			
EB1365004217	LUCAS	TX		09/18/2015		708,344							3,902	3,902			
EB1367010379	SAN DIEGO	CA		11/20/2015		960,707							5,458	5,458			
EB1367010707	MANHATTAN BEACH	CA		10/09/2015		1,244,963							7,162	7,162			
EB1367010886	SAN DIEGO	CA		08/07/2015		578,387							3,301	3,301			
EB1367010906	SAN DIEGO	CA		08/07/2015		440,749							2,567	2,567			
EB1367011253	VALLEY CENTER	CA		08/07/2015		433,622							2,376	2,376			
EB1367011389	CARLSBAD	CA		08/07/2015		656,131							3,601	3,601			
EB1367011403	SAN DIEGO	CA		03/24/2016		501,617							2,691	2,691			
EB1367011870	CARLSBAD	CA		03/24/2016		857,049							4,497	4,497			
EB1367012826	SAN DIEGO	CA		03/24/2016		563,038							3,029	3,029			
EB1367013146	CARLSBAD	CA		03/24/2016		495,600							2,669	2,669			
EB1367013902	SCOTTSDALE	AZ		08/19/2016		550,961							2,783	2,783			
EB1367014011	NEWPORT BEACH	CA		10/12/2016		1,269,751							13,587	13,587			
EB1367014476	SAN DIEGO	CA		08/17/2016		728,371							4,518	4,518			
EB1367014488	SAN DIEGO	CA		08/17/2016		706,859							3,879	3,879			
EB1367014513	VISTA	CA		10/12/2016		561,373							3,137	3,137			
EB1367014620	CARLSBAD	CA		08/17/2016		735,936							4,053	4,053			
EB1367014748	CARLSBAD	CA		08/17/2016		639,573							3,419	3,419			
EB1367015025	SAN DIEGO	CA		08/17/2016		861,700							4,606	4,606			
EB1367015224	SAN DIEGO	CA		12/16/2016		509,700							2,602	2,602			
EB1367015277	SAN DIEGO	CA		12/16/2016		597,144							3,134	3,134			
EB1367015285	SAN DIEGO	CA		12/16/2016		743,378							3,899	3,899			
EB1367015328	CARLSBAD	CA		12/16/2016		493,530							9,403	9,403			
EB1369002397	SARASOTA	FL		07/17/2015		463,620							2,649	2,649			
EB1369002500	SARASOTA	FL		08/07/2015		468,649							2,547	2,547			

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE B - PART 3

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	2	3					8	9	10	11	12	13					
Loan Number	City	State	Loan Type	Date Acquired	Disposal Date	Book Value/Recorded Investment Excluding Accrued Interest Prior Year	Unrealized Valuation Increase (Decrease)	Current Year's (Amortization) /Accretion	Current Year's Other Than Temporary Impairment Recognized	Capitalized Deferred Interest and Other	Total Change in Book Value (8+9-10+11)	Total Foreign Exchange Change in Book Value	Book Value/Recorded Investment Excluding Accrued Interest on Disposal	Consid-eration	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal
EB1369002572	SARASOTA	FL		12/18/2015		500,696							2,567	2,567			
EB1369002632	USEPPA ISLAND	FL		12/18/2015		576,360							9,381	9,381			
EB1369002796	WINTER PARK	FL		06/24/2016		1,305,721							6,893	6,893			
EB1369002856	LAKEWOOD RANCH	FL		06/24/2016		532,163							7,431	7,431			
EB1369002956	FORT LAUDERDALE	FL		08/19/2016		1,196,208							6,310	6,310			
EB1369003121	SARASOTA	FL		08/19/2016		458,950							2,549	2,549			
EB1369003147	SARASOTA	FL		12/16/2016		1,851,796							9,438	9,438			
EB1369003362	SAN FRANCISCO	CA		10/07/2016		808,813							4,219	4,219			
EB1369003522	SARASOTA	FL		12/16/2016		500,449							3,413	3,413			
EB1369003702	LAKEWOOD RANCH	FL		12/16/2016		831,742							4,586	4,586			
EB1371004891	CHATHAM	NJ		11/20/2015		507,072							3,764	3,764			
EB1371005172	FAIRFAX	VA		08/07/2015		423,315							2,390	2,390			
EB1371005455	SEATTLE	WA		11/20/2015		251,055							15,993	15,993			
EB1371005596	ASHBURN	VA		11/20/2015		478,473							2,559	2,559			
EB1373010395	CHEVY CHASE	MD		08/07/2015		537,072							2,918	2,918			
EB1373010876	NORWALK	CT		12/18/2015		697,929							6,286	6,286			
EB1373011773	BRONX	NY		11/20/2015		713,189							2,535	2,535			
EB1380002070	SKILLMAN	NJ		07/30/2015		465,322							2,635	2,635			
EB1380002340	MOUNTAIN LAKES	NJ		12/18/2015		621,934							3,339	3,339			
EB1380003155	LAVALLETTE	NJ		12/16/2016		738,952							3,944	3,944			
EB1381009632	LINWOOD	NJ		08/07/2015		441,684							2,787	2,787			
EB1381010081	LOWER GWYNEDD	PA		12/18/2015		456,984							2,500	2,500			
EB1381010210	PHILADELPHIA	PA		12/18/2015		610,363							3,419	3,419			
EB1381010223	MOORESTOWN	NJ		06/24/2016		630,513							4,968	4,968			
EB1381010364	MARGATE CITY	NJ		06/24/2016		1,404,129							7,394	7,394			
EB1382002217	SAN DIEGO	CA		12/18/2015		652,485							3,603	3,603			
EB1382002284	MURRIETA	CA		07/30/2015		577,170							3,291	3,291			
EB1382002319	SAN MARCOS	CA		07/30/2015		439,963							2,474	2,474			
EB1382002656	CARDIFF BY THE SEA	CA		09/25/2015		943,856							5,054	5,054			
EB1382002734	ANAHEIM	CA		11/20/2015		432,622							2,384	2,384			
EB1382002751	DEL MAR	CA		07/17/2015		382,901							5,227	5,227			
EB1382002755	SAN DIEGO	CA		07/17/2015		708,073							5,419	5,419			
EB1382002787	RANCHO SANTA FE	CA		07/17/2015		894,911							6,462	6,462			
EB1382002829	AUSTIN	TX		08/07/2015		1,035,752							5,621	5,621			
EB1382002837	SAN DIEGO	CA		08/07/2015		653,933							3,570	3,570			
EB1382002872	SAN DIEGO	CA		03/24/2016		604,358							3,327	3,327			
EB1382002930	SAN DIEGO	CA		06/24/2016		595,092							3,040	3,040			
EB1382003034	BIG BEAR LAKE	CA		06/24/2016		480,123							3,981	3,981			
EB1382003035	WALNUT CREEK	CA		03/24/2016		599,436							2,971	2,971			
EB1382003063	BOULDER	CO		06/24/2016		504,121							2,666	2,666			
EB1382003084	SCOTTSDALE	AZ		06/24/2016		1,337,058							7,126	7,126			
EB1382003174	FRESNO	CA		12/16/2016		821,717							4,231	4,231			
EB1382003273	PHOENIX	AZ		12/16/2016		521,476							2,933	2,933			
EB1382003292	AUSTIN	TX		12/16/2016		523,130							2,783	2,783			
EB1382003306	RANCHO PALOS VERDES	CA		12/16/2016		825,287							4,447	4,447			
EB1382003308	CAMARILLO	CA		12/16/2016		458,235							2,390	2,390			
EB1382003322	REDONDO BEACH	CA		12/16/2016		501,567							2,782	2,782			
EB1386000300	LEESBURG	VA		07/17/2015		425,226							2,317	2,317			
EB1386000417	OAK HILL	VA		11/20/2015		521,753							2,790	2,790			
EB1386000455	CENTREVILLE	VA		11/20/2015		401,808							2,875	2,875			
EB1386000486	ARLINGTON	VA		12/18/2015		438,445							2,353	2,353			
EB1386000514	POTOMAC	MD		12/18/2015		707,210							4,184	4,184			
EB1386000602	COLUMBIA	MD		06/24/2016		464,827							2,579	2,579			
EB1387006392	ROSLYN	NY		09/18/2015		920,564							5,071	5,071			
EB1389003067	RICHBORO	PA		12/18/2015		400,045							2,206	2,206			
EB1389003979	PHILADELPHIA	PA		12/18/2015		433,240							6,028	6,028			
EB1389004187	HOLLAND	PA		12/18/2015		429,915							2,906	2,906			
EB1389004258	COLLEGEVILLE	PA		06/24/2016		427,522							2,490	2,490			
EB1389004582	PHILADELPHIA	PA		08/19/2016		433,243							2,335	2,335			
EB1393005777	NEWTOWN	CT		09/18/2015		487,914							5,942	5,942			

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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EB1393006607	STAMFORD	CT		12/18/2015		389,036							2,159	2,159			
EB1393008629	NEW CITY	NY		12/18/2015		1,025,895							5,376	5,376			
EB1393008686	BRIDGEWATER	CT		12/18/2015		430,723							2,300	2,300			
EB1393008998	BROOKLYN	NY		06/24/2016		659,025							3,519	3,519			
EB1393009198	MOUNT LAUREL	NJ		08/19/2016		465,702							2,508	2,508			
EB1393009862	IRVINGTON	NY		12/16/2016		916,791							5,062	5,062			
EB1395005332	WALPOLE	MA		12/18/2015		397,804							2,215	2,215			
EB1400000584	GILBERT	AZ		09/18/2015		721,587							3,975	3,975			
EB1400001316	SCOTTSDALE	AZ		12/18/2015		542,659							2,999	2,999			
EB1400001351	PEORIA	AZ		09/18/2015		700,206							3,857	3,857			
EB1400001470	SCOTTSDALE	AZ		07/30/2015		737,955							2,753	2,753			
EB1400002166	PHOENIX	AZ		09/25/2015		797,578							4,258	4,258			
EB1400002446	CAVE CREEK	AZ		07/17/2015		622,386							3,476	3,476			
EB1400002540	PHOENIX	AZ		10/09/2015		634,381							3,557	3,557			
EB1400002575	SCOTTSDALE	AZ		09/25/2015		362,765							6,550	6,550			
EB1400002680	SCOTTSDALE	AZ		08/07/2015		956,233							56,846	56,846			
EB1400002685	FLAGSTAFF	AZ		08/07/2015		695,904							3,678	3,678			
EB1400002808	SCOTTSDALE	AZ		12/18/2015		545,230							2,872	2,872			
EB1400002973	PARADISE VALLEY	AZ		12/18/2015		906,212							4,844	4,844			
EB1400002998	SCOTTSDALE	AZ		08/19/2016		959,846							4,853	4,853			
EB1400003015	PHOENIX	AZ		12/18/2015		851,783							4,606	4,606			
EB1400003141	FLAGSTAFF	AZ		12/18/2015		445,863							2,497	2,497			
EB1400003231	PHOENIX	AZ		06/24/2016		1,165,447							5,941	5,941			
EB1400003354	SCOTTSDALE	AZ		08/19/2016		401,284							2,117	2,117			
EB1400003481	CAVE CREEK	AZ		06/24/2016		474,563							2,528	2,528			
EB1400003619	CAVE CREEK	AZ		08/19/2016		534,659							2,751	2,751			
EB1400003651	SCOTTSDALE	AZ		08/19/2016		567,934							3,083	3,083			
EB1400003664	SCOTTSDALE	AZ		08/19/2016		492,497							3,265	3,265			
EB1400003749	CAVE CREEK	AZ		08/19/2016		498,967							2,687	2,687			
EB1400003771	SCOTTSDALE	AZ		08/19/2016		554,058							2,998	2,998			
EB1400003819	FLAGSTAFF	AZ		10/12/2016		415,015							2,262	2,262			
EB1400003822	WEST HOLLYWOOD	CA		12/16/2016		400,299							2,044	2,044			
EB1400004234	PHOENIX	AZ		12/16/2016		622,694							3,339	3,339			
EB1400004257	SCOTTSDALE	AZ		12/16/2016		867,319							4,527	4,527			
EB1400004272	CAVE CREEK	AZ		12/16/2016		493,413							2,584	2,584			
EB1518002332	HONOLULU	HI		07/30/2015		1,184,565							7,268	7,268			
EB1518004686	MECHANICSBURG	PA		12/18/2015		709,483							3,542	3,542			
EB1518005224	LOS RANCHOS DE ALBUQ	NM		12/18/2015		1,357,295							8,234	8,234			
EB1538115814	CINCINNATI	OH		12/18/2015		858,985							5,031	5,031			
EB1538513177	CARMEL VALLEY	CA		12/18/2015		875,995							6,437	6,437			
EB1538516620	HOUSTON	TX		07/30/2015		458,551							2,557	2,557			
EB1538529345	NORTH BARRINGTON	IL		08/07/2015		550,301							3,141	3,141			
EB1538531325	ALISO VIEJO	CA		11/20/2015		586,896							3,334	3,334			
EB1538541301	KAMAS	UT		08/19/2016		904,793							4,872	4,872			
EB1538542524	HOUSTON	TX		12/16/2016		198,052							34,994	34,994			
EB1540091565	CENTER VALLEY	PA		12/18/2015		408,772							2,345	2,345			
EB1540091604	NEWTOWN SQUARE	PA		09/18/2015		728,013							3,990	3,990			
EB1540091681	JAMAICA	NY		09/18/2015		678,174							3,716	3,716			
EB1540091858	HILTON HEAD ISLAND	SC		09/18/2015		665,494							3,647	3,647			
EB1540091888	NORWELL	MA		09/18/2015		758,448							4,220	4,220			
EB1540092187	NORTHVILLE	MI		10/09/2015		482,427							2,750	2,750			
EB1540092196	SOUTH BARRINGTON	IL		08/07/2015		682,141							5,440	5,440			
EB1540092401	NEWTON SQUARE	PA		10/09/2015		1,160,151							6,297	6,297			
EB1540092407	NEW YORK	NY		10/09/2015		937,981							5,105	5,105			
EB1540092432	ELLICOTT CITY	MD		08/07/2015		611,922							3,252	3,252			
EB1540092451	BROOKLYN	NY		03/24/2016		422,451							2,104	2,104			
EB1540092608	DAVIDSONVILLE	MD		08/07/2015		666,721							3,561	3,561			
EB1540092759	WALPOLE	MA		12/18/2015		477,739							2,490	2,490			
EB1540092761	PHILADELPHIA	PA		12/18/2015		690,010							3,502	3,502			
EB1540092773	MCKEES ROCK	PA		09/25/2015		392,594							7,186	7,186			



STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE B - PART 3

Showing All Mortgage Loans DISPOSED, Transferred or Repaid During the Current Quarter

1	Location		4	5	6	7	Change in Book Value/Recorded Investment					14	15	16	17	18	
	2	3					8	9	10	11	12	13					
Loan Number	City	State	Loan Type	Date Acquired	Disposal Date	Book Value/Recorded Investment Excluding Accrued Interest Prior Year	Unrealized Valuation Increase (Decrease)	Current Year's (Amortization) /Accretion	Current Year's Other Than Temporary Impairment Recognized	Capitalized Deferred Interest and Other	Total Change in Book Value (8+9-10+11)	Total Foreign Exchange Change in Book Value	Book Value/Recorded Investment Excluding Accrued Interest on Disposal	Consid-eration	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal
EB1540092775	MARS	PA		09/25/2015		553,098							4,930	4,930			
EB1540092791	CANONSBURG	PA		10/09/2015		487,966							3,825	3,825			
EB1540092809	DENVER	CO		03/24/2016		1,176,463							4,901	4,901			
EB1540092827	GARNET VALLEY	PA		10/09/2015		499,917							2,666	2,666			
EB1540092836	BOTHELL	WA		10/09/2015		576,294							9,289	9,289			
EB1540092861	CENTER VALLEY	PA		12/18/2015		525,058							2,752	2,752			
EB1540092866	PONTE VEDRA	FL		12/18/2015		432,849							2,874	2,874			
EB1540092913	LANSDALE	PA		10/09/2015		528,672							9,942	9,942			
EB1540092931	ASHBURN	VA		12/18/2015		547,684							2,864	2,864			
EB1540092934	PHILADELPHIA	PA		10/09/2015		470,569							2,722	2,722			
EB1540092935	GLEN MILLS	PA		12/18/2015		490,820							3,967	3,967			
EB1540092959	ALDIE	VA		11/20/2015		483,229							2,597	2,597			
EB1540092960	HOLLISTON	MA		06/24/2016		630,210							4,779	4,779			
EB1540093009	RIDGEFIELD	CT		09/25/2015		1,054,096							6,823	6,823			
EB1540093049	NAPLES	FL		10/09/2015		1,291,382							6,923	6,923			
EB1540093058	MARVIN	NC		12/18/2015		523,697							2,725	2,725			
EB1540093067	VIRGINIA BEACH	VA		09/25/2015		885,778							6,875	6,875			
EB1540093068	WARRINGTON	PA		11/20/2015		526,677							3,991	3,991			
EB1540093070	POTTSTOWN	PA		10/09/2015		472,142							2,581	2,581			
EB1540093085	WINDERMERE	FL		11/20/2015		672,401							15,000	15,000			
EB1540093086	SPRING CITY	PA		12/18/2015		454,739							3,904	3,904			
EB1540093088	ELLICOTT CITY	MD		10/09/2015		509,539							11,907	11,907			
EB1540093090	PITTSBURGH	PA		12/18/2015		480,647							3,443	3,443			
EB1540093103	ARLINGTON	VA		10/09/2015		616,289							7,224	7,224			
EB1540093109	VIRGINIA BEACH	VA		10/09/2015		576,910							3,061	3,061			
EB1540093115	SANIBEL	FL		10/09/2015		505,838							4,180	4,180			
EB1540093119	WILMINGTON	DE		12/18/2015		709,906							15,437	15,437			
EB1540093138	ODESSA	FL		08/07/2015		561,059							2,745	2,745			
EB1540093146	JENKS	OK		09/25/2015		469,189							13,844	13,844			
EB1540093153	WHITE STONE	VA		08/07/2015		532,267							4,211	4,211			
EB1540093154	CANTON	MA		10/07/2016		646,704							2,160	2,160			
EB1540093158	CARY	NC		08/07/2015		526,494							4,958	4,958			
EB1540093166	MOSLEY	VA		11/20/2015		443,398							2,359	2,359			
EB1540093178	MARS	PA		09/25/2015		635,183							3,468	3,468			
EB1540093187	CANONSBURG	PA		08/07/2015		504,307							2,763	2,763			
EB1540093211	SHARON	MA		10/09/2015		551,324							3,014	3,014			
EB1540093222	LAKEWOOD RANCH	FL		08/07/2015		494,235							2,708	2,708			
EB1540093224	FALLS CHURCH	VA		08/07/2015		620,603							3,406	3,406			
EB1540093238	CHANTILLY	VA		08/07/2015		614,203							3,458	3,458			
EB1540093251	NEW YORK	NY		08/07/2015		751,465							4,022	4,022			
EB1540093259	NEW YORK	NY		10/09/2015		582,379							2,989	2,989			
EB1540093286	WILLIAMSBURG	VA		08/07/2015		827,917							4,439	4,439			
EB1540093287	GLASTONBURY	CT		06/24/2016		599,396							3,075	3,075			
EB1540093290	SWARTHMORE	PA		08/07/2015		446,709							2,880	2,880			
EB1540093297	YARDLEY	PA		08/07/2015		452,700							2,801	2,801			
EB1540093300	CANONSBURG	PA		08/07/2015		492,226							2,684	2,684			
EB1540093310	EAST GREENWICH	RI		08/07/2015		406,579							2,228	2,228			
EB1540093314	BETHESDA	MD		10/09/2015		1,091,701							5,878	5,878			
EB1540093346	WINCHESTER	MA		08/07/2015		617,291							3,292	3,292			
EB1540093352	LARGO	FL		10/09/2015		529,729							2,926	2,926			
EB1540093368	PLYMOUTH	MN		11/20/2015		435,338							7,681	7,681			
EB1540093370	SPANISH FORT	AL		08/07/2015		415,330							2,270	2,270			
EB1540093412	CHANTILLY	VA		11/20/2015		951,107							6,985	6,985			
EB1540093419	NAPLES	FL		10/09/2015		607,459							3,880	3,880			
EB1540093457	OCEAN CITY	NJ		11/20/2015		529,834							6,873	6,873			
EB1540093541	MARS	PA		12/18/2015		540,410							2,757	2,757			
EB1540093569	BATAVIA	IL		06/24/2016		439,953							3,327	3,327			
EB1540093571	FRISCO	TX		06/24/2016		712,475							5,229	5,229			
EB1540093653	GLEN ALLEN	VA		06/24/2016		550,802							5,816	5,816			
EB1540093666	GREENWOOD	IN		12/18/2015		421,497							2,079	2,079			

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE B - PART 3

Showing All Mortgage Loans DISPOSED, Transferred or Repaid During the Current Quarter

1	Location		4	5	6	7	Change in Book Value/Recorded Investment						14	15	16	17	18
	2	3					8	9	10	11	12	13					
Loan Number	City	State	Loan Type	Date Acquired	Disposal Date	Book Value/Recorded Investment Excluding Accrued Interest Prior Year	Unrealized Valuation Increase (Decrease)	Current Year's (Amortization) /Accretion	Current Year's Other Than Temporary Impairment Recognized	Capitalized Deferred Interest and Other	Total Change in Book Value (8+9-10+11)	Total Foreign Exchange Change in Book Value	Book Value/Recorded Investment Excluding Accrued Interest on Disposal	Consid-eration	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal
EB1540093754	ENGLEWOOD	FL		12/18/2015		1,138,036							5,694	5,694			
EB1540093775	KATY	TX		12/18/2015		541,209							2,845	2,845			
EB1540093776	BLUFFTON	SC		12/18/2015		565,324							6,344	6,344			
EB1540093780	ANDOVER	MA		12/18/2015		832,081							4,361	4,361			
EB1540093798	GLEN ALLEN	VA		08/19/2016		485,094							3,038	3,038			
EB1540093807	PALMETTO BAY	FL		12/18/2015		366,992							3,570	3,570			
EB1540093817	ELIZABETH	CO		12/18/2015		504,413							2,560	2,560			
EB1540093846	HARLEYSVILLE	PA		12/18/2015		491,652							2,639	2,639			
EB1540093857	KENNETT SQUARE	PA		06/24/2016		446,180							3,039	3,039			
EB1540093863	NEWTOWN SQUARE	PA		08/17/2016		753,781							4,047	4,047			
EB1540093912	WINDERMERE	FL		12/18/2015		1,061,500							3,510	3,510			
EB1540094013	MARS	PA		12/18/2015		578,338							8,743	8,743			
EB1540094121	CLARKSVILLE	MD		06/24/2016		885,782							4,626	4,626			
EB1540094137	MARTINEZ	CA		06/24/2016		1,159,075							6,078	6,078			
EB1540094189	WARRINGTON	PA		08/19/2016		506,309							2,875	2,875			
EB1540094196	WINTER PARK	FL		06/24/2016		1,027,404							7,273	7,273			
EB1540094216	CHANTILLY	VA		12/16/2016		614,936							3,102	3,102			
EB1540094221	INDIALANTIC	FL		06/24/2016		501,907							2,496	2,496			
EB1540094228	HAYMARKET	VA		08/17/2016		487,616							2,842	2,842			
EB1540094234	FORT LAUDERDALE	FL		06/24/2016		948,109							4,830	4,830			
EB1540094291	HADDONFIELD	NJ		06/24/2016		740,491							4,399	4,399			
EB1540094353	NEW YORK	NY		08/19/2016		891,619							4,522	4,522			
EB1540094354	SAN DIEGO	CA		10/12/2016		729,800							3,582	3,582			
EB1540094366	AVON	NC		08/19/2016		494,444							5,026	5,026			
EB1540094368	INDIALANTIC	FL		08/19/2016		736,361							3,679	3,679			
EB1540094372	DALLAS	TX		08/19/2016		1,056,559							5,812	5,812			
EB1540094376	ALEXANDRIA	VA		08/19/2016		750,061							3,859	3,859			
EB1540094384	WARRINGTON	PA		12/16/2016		755,310							5,299	5,299			
EB1540094392	DALLAS	TX		08/19/2016		786,841							4,157	4,157			
EB1540094399	MERCER ISLAND	WA		08/17/2016		927,230							5,455	5,455			
EB1540094402	BRADENTON	FL		08/17/2016		577,881							9,252	9,252			
EB1540094405	EAST HAMPTON	NY		08/19/2016		411,552							2,160	2,160			
EB1540094407	ANNAPOLIS	MD		12/16/2016		1,155,394							5,899	5,899			
EB1540094410	CYPRESS	TX		08/19/2016		947,034							5,149	5,149			
EB1540094418	DENVER	CO		08/19/2016		363,013							4,974	4,974			
EB1540094428	SARASOTA	FL		08/19/2016		506,148							8,319	8,319			
EB1540094432	WILLIAMSBURG	VA		08/17/2016		573,480							2,727	2,727			
EB1540094439	BOCA RATON	FL		08/17/2016		690,487							3,435	3,435			
EB1540094484	FORT LAUDERDALE	FL		08/19/2016		765,679							4,025	4,025			
EB1540094622	TAMPA	FL		12/16/2016		602,425							4,478	4,478			
EB1540094628	IRVING	TX		12/16/2016		500,048							2,849	2,849			
EB1540094630	ORLANDO	FL		12/16/2016		541,769							6,267	6,267			
EB1540094632	WINDERMERE	FL		12/16/2016		870,655							4,123	4,123			
EB1540094649	CARROLLTON	TX		12/16/2016		436,545							2,470	2,470			
EB1540094657	NAPLES	FL		12/16/2016		817,397							4,155	4,155			
EB1540094665	BERNARDSVILLE	NJ		12/16/2016		883,335							6,329	6,329			
EB1540094677	NEWPORT BEACH	CA		12/16/2016		1,250,485							6,187	6,187			
EB1540094689	FALLS CHURCH	VA		12/16/2016		799,356							4,101	4,101			
EB1540094693	NAPLES	FL		12/16/2016		461,783							2,443	2,443			
EB1540094744	JERSEY CITY	NJ		12/16/2016		944,473							4,592	4,592			
EB1541035350	HEATH	TX		12/18/2015		205,083							18,551	18,551			
EB1541037328	SEDONA	AZ		12/18/2015		534,563							2,842	2,842			
EB1541037414	AUSTIN	TX		09/18/2015		702,462							3,716	3,716			
EB1541037473	BARTONVILLE	TX		09/18/2015		1,191,486							7,224	7,224			
EB1541037654	APOLLO BEACH	FL		12/18/2015		463,034							3,251	3,251			
EB1541037678	NASHVILLE	TN		09/18/2015		814,856							4,310	4,310			
EB1541037686	BRENTWOOD	TN		12/18/2015		542,948							2,803	2,803			
EB1541037694	LOS ALAMOS	NM		12/18/2015		345,120							50,323	50,323			
EB1541037762	CHICAGO	IL		12/18/2015		469,669							2,531	2,531			
EB1541037784	NASHVILLE	TN		10/09/2015		568,016							2,984	2,984			

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE B - PART 3

Showing All Mortgage Loans DISPOSED, Transferred or Repaid During the Current Quarter

1	Location		4	5	6	7	Change in Book Value/Recorded Investment						14	15	16	17	18
	2	3					8	9	10	11	12	13					
Loan Number	City	State	Loan Type	Date Acquired	Disposal Date	Book Value/Recorded Investment Excluding Accrued Interest Prior Year	Unrealized Valuation Increase (Decrease)	Current Year's (Amortization)/Accretion	Current Year's Other Than Temporary Impairment Recognized	Capitalized Deferred Interest and Other	Total Change in Book Value (8+9-10+11)	Total Foreign Exchange Change in Book Value	Book Value/Recorded Investment Excluding Accrued Interest on Disposal	Consid-eration	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal
EB1541037893	AUSTIN	TX		12/18/2015		623,518							3,444	3,444			
EB1541037903	SCOTTSDALE	AZ		09/18/2015		591,506							10,893	10,893			
EB1541037934	MONTGOMERY	TX		09/18/2015		834,352							5,053	5,053			
EB1541037953	NASHVILLE	TN		12/18/2015		492,731							2,706	2,706			
EB1541037969	SAN ANTONIO	TX		07/30/2015		574,357							4,430	4,430			
EB1541038009	THE WOODLANDS	TX		07/30/2015		443,121							2,492	2,492			
EB1541038051	PALM SPRINGS	CA		03/24/2016		438,674							2,246	2,246			
EB1541038421	DALLAS	TX		10/09/2015		578,012							3,033	3,033			
EB1541038468	NORTH HUNTINGDON	PA		10/09/2015		514,184							893	893			
EB1541038819	NISSWA	MN		08/07/2015		1,158,230							6,001	6,001			
EB1541038886	WINTER PARK	CO		09/25/2015		327,918							2,668	2,668			
EB1541038971	GARFIELD	AR		08/07/2015		768,016							4,236	4,236			
EB1541039016	TUJUNGA	CA		10/09/2015		1,072,049							5,375	5,375			
EB1541039030	BRENTWOOD	TN		09/25/2015		1,888,913							10,100	10,100			
EB1541039039	NASHVILLE	TN		10/09/2015		1,020,131							5,577	5,577			
EB1541039057	BEVERLY HILLS	MI		09/25/2015		417,547							3,123	3,123			
EB1541039074	SANTA ROSA BEACH	FL		09/25/2015		501,646							4,027	4,027			
EB1541039088	DEERFIELD	IL		08/19/2016		888,027							4,803	4,803			
EB1541039096	BONITA SPRINGS	FL		09/25/2015		1,302,554							7,113	7,113			
EB1541039144	SPRING LAKE	MI		08/07/2015		555,380							7,402	7,402			
EB1541039156	NAPERVILLE	IL		10/09/2015		1,291,813							8,127	8,127			
EB1541039188	CHICAGO	IL		10/09/2015		585,495							3,112	3,112			
EB1541039227	WESTERN SPRINGS	IL		12/18/2015		597,389							3,894	3,894			
EB1541039250	HOUSTON	TX		08/07/2015		619,958							3,318	3,318			
EB1541039265	BRENTWOOD	TN		10/09/2015		402,027							2,187	2,187			
EB1541039282	ARCADIA	OK		10/09/2015		1,437,725							6,861	6,861			
EB1541039287	WILMETTE	IL		10/09/2015		1,339,563							7,371	7,371			
EB1541039288	NASHVILLE	TN		08/07/2015		851,472							8,769	8,769			
EB1541039289	KATY	TX		08/07/2015		656,608							3,568	3,568			
EB1541039302	NASHVILLE	TN		10/09/2015		618,742							3,371	3,371			
EB1541039303	CHICAGO	IL		10/09/2015		437,718							2,381	2,381			
EB1541039333	LONG BEACH TOWNSHIP	NJ		08/07/2015		943,768							5,039	5,039			
EB1541039340	LOCUST VALLEY	NY		10/09/2015		749,351							4,097	4,097			
EB1541039356	NASHVILLE	TN		10/09/2015		525,618							8,224	8,224			
EB1541039357	BRENTWOOD	TN		11/20/2015		485,203							2,608	2,608			
EB1541039365	WAXHAW	NC		08/07/2015		831,807							4,558	4,558			
EB1541039380	SANTA FE	NM		12/18/2015		783,892							3,999	3,999			
EB1541039388	WILMETTE	IL		08/07/2015		1,356,606							7,316	7,316			
EB1541039409	WESTERN SPRINGS	IL		08/07/2015		458,178							2,537	2,537			
EB1541039418	FRANKLIN	TN		08/07/2015		470,705							3,755	3,755			
EB1541039448	AUSTIN	TX		12/18/2015		539,481							2,910	2,910			
EB1541039463	MOUND	MN		08/07/2015		600,420							3,214	3,214			
EB1541039473	SAN JOSE	CA		10/12/2016		706,324							3,436	3,436			
EB1541039478	NASHVILLE	TN		10/09/2015		563,350							3,194	3,194			
EB1541039497	ROXBORO	NC		08/19/2016		774,308							4,993	4,993			
EB1541039627	MONACA	PA		11/20/2015		462,081							3,289	3,289			
EB1541039644	LAKE FOREST	IL		12/18/2015		683,157							3,591	3,591			
EB1541039674	SPICEWOOD	TX		12/18/2015		512,368							2,693	2,693			
EB1541039693	LONGWOOD	FL		12/18/2015		724,074							3,729	3,729			
EB1541039699	THE WOODLANDS	TX		06/24/2016		1,349,568							6,606	6,606			
EB1541039737	MAGNOLIA	TX		12/18/2015		384,688							2,119	2,119			
EB1541039743	FREDERICKSBURG	TX		12/18/2015		544,153							2,860	2,860			
EB1541039745	ESSEX	CT		12/18/2015		412,152							2,037	2,037			
EB1541039746	DOWNERS GROVE	IL		12/18/2015		569,843							3,017	3,017			
EB1541039760	PITTSBURGH	PA		12/18/2015		556,393							2,925	2,925			
EB1541039769	BLAINE	MN		12/18/2015		633,604							3,109	3,109			
EB1541039799	MCKINNEY	TX		12/18/2015		627,128							3,199	3,199			
EB1541039816	TELLURIDE	CO		12/18/2015		863,945							5,744	5,744			
EB1541039869	SCOTTSDALE	AZ		12/18/2015		624,646							3,065	3,065			
EB1541039889	EVERGREEN	CO		12/18/2015		461,218							2,355	2,355			

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE B - PART 3

Showing All Mortgage Loans DISPOSED, Transferred or Repaid During the Current Quarter

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	2	3					8	9	10	11	12	13					
Loan Number	City	State	Loan Type	Date Acquired	Disposal Date	Book Value/Recorded Investment Excluding Accrued Interest Prior Year	Unrealized Valuation Increase (Decrease)	Current Year's (Amortization) /Accretion	Current Year's Other Than Temporary Impairment Recognized	Capitalized Deferred Interest and Other	Total Change in Book Value (8+9-10+11)	Total Foreign Exchange Change in Book Value	Book Value/Recorded Investment Excluding Accrued Interest on Disposal	Consid-eration	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal
EB1541040031	MAGNOLIA	TX		12/18/2015		521,792							2,715	2,715			
EB1541040248	HOUSTON	TX		06/24/2016		1,136,024							6,021	6,021			
EB1541040272	TEMECULA	CA		06/24/2016		440,703							2,337	2,337			
EB1541040283	PARADISE VALLEY	AZ		06/24/2016		999,243							5,086	5,086			
EB1541040297	CLEMMONS	NC		06/24/2016		560,920							2,704	2,704			
EB1541040302	PLANO	TX		06/24/2016		908,731							8,232	8,232			
EB1541040394	HUDSON	OH		08/19/2016		438,812							3,598	3,598			
EB1541040423	CHICAGO	IL		08/19/2016		676,584							2,459	2,459			
EB1541040428	RIDGEFIELD	CT		08/19/2016		431,171							3,013	3,013			
EB1541040432	NASHVILLE	TN		08/19/2016		519,273							2,672	2,672			
EB1541040437	DALLAS	TX		08/19/2016		878,356							4,589	4,589			
EB1541040454	HOUSTON	TX		08/19/2016		963,256							9,238	9,238			
EB1541040459	SUGAR LAND	TX		08/19/2016		489,176							2,580	2,580			
EB1541040460	VESTAVIA	AL		08/19/2016		516,196							2,656	2,656			
EB1541040463	BRENTWOOD	TN		08/17/2016		466,192							2,374	2,374			
EB1541040466	MANCHESTER	MA		08/19/2016		757,159							4,825	4,825			
EB1541040473	LEAGUE CITY	TX		08/19/2016		598,479							3,157	3,157			
EB1541040477	NASHVILLE	TN		08/19/2016		877,643							5,481	5,481			
EB1541040482	NASHVILLE	TN		08/19/2016		456,822							2,868	2,868			
EB1541040483	BRENTWOOD	TN		10/12/2016		739,520							5,832	5,832			
EB1541040488	PLYMOUTH	MN		08/19/2016		494,830							2,735	2,735			
EB1541040501	SARASOTA	FL		08/17/2016		675,716							3,315	3,315			
EB1541040502	DOWNERS GROVE	IL		08/19/2016		663,838							3,502	3,502			
EB1541040509	FAIRVIEW	TN		08/19/2016		474,874							2,850	2,850			
EB1541040511	AUSTIN	TX		08/19/2016		779,294							3,997	3,997			
EB1541040513	COLLEVILLE	TX		08/17/2016		695,746							4,277	4,277			
EB1541040516	SEATTLE	WA		08/17/2016		658,467							3,364	3,364			
EB1541040517	SEATTLE	WA		08/17/2016		584,794							5,594	5,594			
EB1541040527	AUSTIN	TX		08/17/2016		508,977							2,592	2,592			
EB1541040537	LA HABRA HEIGHTS	CA		08/17/2016		691,480							3,736	3,736			
EB1541040637	KEMAH	TX		10/07/2016		418,999							3,096	3,096			
EB1541040649	MCKINNEY	TX		10/07/2016		445,674							2,212	2,212			
EB1541040688	SARASOTA	FL		12/16/2016		554,118							3,661	3,661			
EB1541040698	PROSPER	TX		12/16/2016		597,963							13,459	13,459			
EB1541040699	WADSWORTH	OH		12/16/2016		444,949							2,425	2,425			
EB1541040700	NASHVILLE	TN		12/16/2016		876,963							4,285	4,285			
EB1541040740	NASHVILLE	TN		12/16/2016		657,277							3,384	3,384			
EB1541040750	LEANDER	TX		12/16/2016		444,591							2,742	2,742			
EB1541040753	ISSAQUAH	WA		12/16/2016		633,256							3,172	3,172			
EB1541040757	FAIRFIELD	CT		12/16/2016		757,291							4,428	4,428			
EB1541040759	WINDSOR	CO		12/16/2016		601,202							2,923	2,923			
EB1541040764	EDMOND	OK		12/16/2016		850,527							4,135	4,135			
EB1541040767	FRANKLIN	TN		12/16/2016		568,237							2,815	2,815			
EB1541040778	MALVERN	PA		12/16/2016		557,862							3,166	3,166			
EB1541040779	FREMONT	CA		12/16/2016		972,533							4,841	4,841			
EB1541040782	GRAND LAKE	CO		12/16/2016		1,090,340							5,458	5,458			
EB1541040783	SCOTTSDALE	AZ		12/16/2016		464,456							2,147	2,147			
EB1541040784	EDMONDS	WA		12/16/2016		621,791							2,009	2,009			
EB1541040785	COVINGTON	WA		12/16/2016		590,527							2,554	2,554			
EB1541040798	KIRKLAND	WA		12/16/2016		627,666							3,067	3,067			
EB1541040810	BRECKENRIDGE	CO		12/16/2016		593,691							2,811	2,811			
EB1541040831	OAK BROOK	IL		12/16/2016		816,267							4,181	4,181			
EB1541040845	PACIFICA	CA		12/16/2016		496,912							2,681	2,681			
EB1541040854	CARDIFF BY THE SEA	CA		12/16/2016		620,348							3,381	3,381			
EB1541040861	THE WOODLANDS	TX		12/16/2016		679,999							3,473	3,473			
EB1541040869	LOS ANGELES	CA		12/16/2016		1,101,934							5,667	5,667			
EB1541040877	DENVER	CO		12/16/2016		480,113							2,334	2,334			
EB1541040886	ALBUQUERQUE	NM		12/16/2016		521,309							3,387	3,387			
EB1564000229	DENVER	CO		07/30/2015		386,354							2,165	2,165			
EB1564000389	GREENWOOD VILLAGE	CO		08/07/2015		672,620							3,667	3,667			

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE B - PART 3

Showing All Mortgage Loans DISPOSED, Transferred or Repaid During the Current Quarter

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	2	3					8	9	10	11	12	13					
Loan Number	City	State	Loan Type	Date Acquired	Disposal Date	Book Value/Recorded Investment Excluding Accrued Interest Prior Year	Unrealized Valuation Increase (Decrease)	Current Year's (Amortization) /Accretion	Current Year's Other Than Temporary Impairment Recognized	Capitalized Deferred Interest and Other	Total Change in Book Value (8+9-10+11)	Total Foreign Exchange Change in Book Value	Book Value/Recorded Investment Excluding Accrued Interest on Disposal	Consid-eration	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal
EB1564000519	DENVER	CO.		12/18/2015		521,904							2,749	2,749			
EB1564000525	GREENWOOD VILLAGE	CO.		07/17/2015		517,207							2,861	2,861			
EB1564000599	DENVER	CO.		11/20/2015		467,611							2,538	2,538			
EB1564000618	DENVER	CO.		08/07/2015		752,787							4,009	4,009			
EB1564000620	FORT COLLINS	CO.		08/07/2015		823,347							4,497	4,497			
EB1564000716	FRASER	CO.		12/16/2015		361,211							3,473	3,473			
EB1564000966	DENVER	CO.		08/19/2016		526,197							12,888	12,888			
EB1564000993	DENVER	CO.		08/19/2016		498,862							2,799	2,799			
EB1564001009	DENVER	CO.		08/17/2016		471,416							2,389	2,389			
EB1564001065	DENVER	CO.		12/16/2016		632,221							3,525	3,525			
EB1564001079	NIWOT	CO.		10/07/2016		495,295							2,663	2,663			
EB1564001105	DENVER	CO.		12/16/2016		575,982							3,206	3,206			
EB1564001132	DENVER	CO.		12/16/2016		612,425							4,235	4,235			
EB1564001134	DENVER	CO.		12/16/2016		772,988							4,262	4,262			
EB1564001170	ERIE	CO.		12/16/2016		469,389							2,966	2,966			
EB1567001498	BOULDER	CO.		07/17/2015		579,600							3,600	3,600			
EB1567001513	CARLSBAD	CA.		08/07/2015		708,142							3,501	3,501			
EB1567001606	MANHATTAN BEACH	CA.		03/24/2016		613,120							3,183	3,183			
EB1567001695	CASTLE ROCK	CO.		06/24/2016		596,631							3,180	3,180			
EB1567001956	LOS ANGELES	CA.		12/16/2016		840,792							4,463	4,463			
EB1567001968	FORT COLLINS	CO.		12/16/2016		589,902							3,348	3,348			
EB1567002016	HERMOSA BEACH	CA.		12/16/2016		1,303,437							7,023	7,023			
EB1596048348	MOORESVILLE	NC.		12/18/2015		575,262							3,059	3,059			
EB1596048401	YORBA LINDA	CA.		12/18/2015		788,938							4,298	4,298			
EB1596048570	SEDONA	AZ.		09/18/2015		694,735							3,569	3,569			
EB1596048655	CENTERTON	AR.		12/18/2015		438,462							2,421	2,421			
EB1596048822	CARLSBAD	CA.		12/18/2015		548,980							3,127	3,127			
EB1596048875	LOS ANGELES	CA.		12/18/2015		615,760							4,417	4,417			
EB1596049199	BELMONT	CA.		03/24/2016		450,591							2,360	2,360			
EB1596049353	TAHOE CITY	CA.		06/24/2016		487,145							2,503	2,503			
EB1596049507	BEVERLY HILLS	CA.		06/24/2016		637,483							4,817	4,817			
EB1596050604	SAN RAMON	CA.		10/09/2015		1,273,704							6,446	6,446			
EB1596050641	NEWPORT BEACH	CA.		09/25/2015		949,861							4,880	4,880			
EB1596050691	LAKE ARROWHEAD	CA.		06/24/2016		673,136							3,585	3,585			
EB1596050790	PACIFICA	CA.		09/25/2015		1,012,079							5,102	5,102			
EB1596050800	SHERMAN OAKS	CA.		10/09/2015		1,140,154							6,233	6,233			
EB1596050829	FOLSOM	CA.		09/25/2015		469,195							3,038	3,038			
EB1596050926	LA CANADA FLINTRIDGE	CA.		10/09/2015		1,314,661							7,158	7,158			
EB1596050928	ARROYO GRANDE	CA.		10/12/2016		605,926							3,188	3,188			
EB1596050959	COSTA MESA	CA.		10/09/2015		725,547							3,869	3,869			
EB1596050979	PARKTON	MD.		10/09/2015		390,216							5,645	5,645			
EB1596050986	LOS ANGELES	CA.		09/25/2015		714,432							4,237	4,237			
EB1596051054	SAN CLEMENTE	CA.		10/09/2015		978,485							5,460	5,460			
EB1596051083	REDWOOD CITY	CA.		09/25/2015		746,335							4,075	4,075			
EB1596051099	COLORADO SPRINGS	CO.		08/07/2015		771,965							12,389	12,389			
EB1596051104	MORAGA	CA.		10/12/2016		1,023,727							8,378	8,378			
EB1596051112	SAN DIEGO	CA.		11/20/2015		887,612							4,819	4,819			
EB1596051124	ARROYO GRANDE	CA.		08/07/2015		484,905							2,577	2,577			
EB1596051169	TEMECULA	CA.		10/09/2015		644,238							3,706	3,706			
EB1596051186	CALABASAS	CA.		10/09/2015		801,831							4,556	4,556			
EB1596051197	DALLAS	TX.		10/09/2015		1,677,828							8,947	8,947			
EB1596051201	TOLUCA LAKE	CA.		11/20/2015		892,783							6,585	6,585			
EB1596051241	COTO DE CEZA	CA.		10/09/2015		1,049,953							5,610	5,610			
EB1596051303	LONG BEACH	CA.		08/07/2015		515,814							2,746	2,746			
EB1596051318	LOS ANGELES	CA.		11/20/2015		790,753							9,028	9,028			
EB1596051339	CAVE CREEK	AZ.		11/20/2015		597,808							3,473	3,473			
EB1596051360	PEORIA	AZ.		08/07/2015		515,290							2,571	2,571			
EB1596051434	HALEIWA	HI.		08/07/2015		808,329							4,318	4,318			
EB1596051448	CAMARILLO	CA.		09/25/2015		693,008							4,055	4,055			
EB1596051469	SOUTHLAKE	TX.		08/07/2015		644,764							50,241	50,241			

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE B - PART 3

Showing All Mortgage Loans DISPOSED, Transferred or Repaid During the Current Quarter

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EB1596051479	THOUSAND OAKS	CA		10/12/2016		910,180							5,405	5,405			
EB1596051542	GOLDEN	CO		10/09/2015		540,735							2,697	2,697			
EB1596051551	SNOQUALMIE	WA		12/18/2015		532,045							2,803	2,803			
EB1596051556	GIG HARBOR	WA		10/09/2015		949,404							4,930	4,930			
EB1596051712	LONE TREE	CO		06/24/2016		668,568							5,325	5,325			
EB1596051732	DENVER	CO		12/15/2015		550,612							2,678	2,678			
EB1596051852	DENVER	CO		12/19/2015		575,711							2,825	2,825			
EB1596051978	SEATTLE	WA		12/18/2015		628,301							4,170	4,170			
EB1596052025	SCOTTSDALE	AZ		12/18/2015		689,345							3,498	3,498			
EB1596052367	SEATTLE	WA		12/18/2015		594,405							3,016	3,016			
EB1596052570	PHOENIX	AZ		12/18/2015		401,194							47,944	47,944			
EB1596052680	EL DORADO HILLS	CA		10/12/2016		500,312							7,807	7,807			
EB1596052803	UNION CITY	CA		10/12/2016		967,173							4,924	4,924			
EB1596052956	NAPLES	FL		06/24/2016		472,395							3,011	3,011			
EB1596053002	HAWTHORN WOODS	IL		10/12/2016		403,278							2,223	2,223			
EB1596053005	CORONA	CA		06/24/2016		659,794							3,203	3,203			
EB1596053037	SAN CLEMENTE	CA		06/24/2016		1,516,089							30,115	30,115			
EB1596053057	GILROY	CA		06/24/2016		522,617							3,311	3,311			
EB1596053060	LOS ANGELES	CA		06/24/2016		1,144,709							5,938	5,938			
EB1596053071	LAKEWOOD	CO		10/07/2016		524,034							3,942	3,942			
EB1596053207	PALM BEACH	FL		08/19/2016		539,978							4,750	4,750			
EB1596053210	CAREFREE	AZ		06/24/2016		638,298							3,131	3,131			
EB1596053229	LONE TREE	CO		08/19/2016		539,388							2,789	2,789			
EB1596053279	MURRIETA	CA		10/12/2016		442,746							2,334	2,334			
EB1596053283	MALIBU	CA		10/12/2016		1,438,781							7,560	7,560			
EB1596053309	KEY WEST	FL		08/19/2016		505,918							2,372	2,372			
EB1596053325	CANYON COUNTRY	CA		08/17/2016		512,880							2,494	2,494			
EB1596053332	LADERA RANCH	CA		10/12/2016		1,286,232							8,760	8,760			
EB1596053333	FLAGSTAFF	AZ		08/19/2016		471,850							2,372	2,372			
EB1596053359	PARADISE VALLEY	AZ		12/16/2016		597,074							2,867	2,867			
EB1596053361	COLORADO SPRINGS	CO		08/19/2016		449,614							2,204	2,204			
EB1596053366	ALTADENA	CA		08/17/2016		880,630							5,515	5,515			
EB1596053368	LOS ANGELES	CA		10/12/2016		972,649							5,095	5,095			
EB1596053381	AURORA	CO		08/19/2016		574,009							2,997	2,997			
EB1596053387	DAVIS	CA		10/12/2016		531,907							2,712	2,712			
EB1596053388	MIDWAY	UT		08/19/2016		468,993							2,417	2,417			
EB1596053391	BLUFFDALE	UT		08/17/2016		429,114							2,198	2,198			
EB1596053398	RANCHO PALOS VERDES	CA		08/17/2016		1,153,071							6,044	6,044			
EB1596053407	SANTA MONICA	CA		08/17/2016		1,160,893							7,687	7,687			
EB1596053408	VALENCIA	CA		08/17/2016		957,392							5,037	5,037			
EB1596053412	FORT LAUDERDALE	FL		08/17/2016		564,006							3,018	3,018			
EB1596053414	WESTMINSTER	CO		08/19/2016		545,203							2,791	2,791			
EB1596053421	REDWOOD CITY	CA		08/17/2016		757,932							3,860	3,860			
EB1596053430	ENGLEWOOD	CO		08/19/2016		607,997							3,113	3,113			
EB1596053434	SANTA BARBARA	CA		10/12/2016		983,529							5,216	5,216			
EB1596053446	LONE TREE	CO		08/19/2016		542,341							2,790	2,790			
EB1596053476	TUSTIN	CA		08/17/2016		687,211							3,584	3,584			
EB1596053482	AQUA DULCE	CA		08/17/2016		756,941							4,066	4,066			
EB1596053487	HUNTINGTON BEACH	CA		10/12/2016		674,568							3,493	3,493			
EB1596053493	LOS ANGELES	CA		08/17/2016		705,184							3,574	3,574			
EB1596053495	SAN CLEMENTE	CA		08/17/2016		788,843							3,589	3,589			
EB1596053496	AGUA DULCE AREA	CA		12/16/2016		701,844							3,728	3,728			
EB1596053498	LOS ANGELES	CA		08/17/2016		922,249							4,811	4,811			
EB1596053514	CARMEL	CA		08/17/2016		521,988							3,406	3,406			
EB1596053515	THOUSAND OAKS	CA		08/17/2016		1,261,828							6,031	6,031			
EB1596053516	SANTA FE	NM		08/17/2016		595,534							5,874	5,874			
EB1596053538	MISSION VIEJO	CA		08/17/2016		1,047,591							5,309	5,309			
EB1596053546	CORONA DEL MAR	CA		08/17/2016		959,078							6,523	6,523			
EB1596053586	BAINBRIDGE ISLAND	WA		12/16/2016		564,065							6,715	6,715			
EB1596053616	PASADENA	CA		12/16/2016		695,165							3,139	3,139			

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE B - PART 3

Showing All Mortgage Loans DISPOSED, Transferred or Repaid During the Current Quarter

1	Location		4	5	6	7	Change in Book Value/Recorded Investment						14	15	16	17	18
	2	3					8	9	10	11	12	13					
Loan Number	City	State	Loan Type	Date Acquired	Disposal Date	Book Value/Recorded Investment Excluding Accrued Interest Prior Year	Unrealized Valuation Increase (Decrease)	Current Year's (Amortization) /Accretion	Current Year's Other Than Temporary Impairment Recognized	Capitalized Deferred Interest and Other	Total Change in Book Value (8+9-10+11)	Total Foreign Exchange Change in Book Value	Book Value/Recorded Investment Excluding Accrued Interest on Disposal	Consid-eration	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal
EB1596053717	NEWPORT BEACH	CA		12/16/2016		956,718							4,743		4,743		
EB1596053732	SANTA ROSA	CA		12/16/2016		589,109							3,309		3,309		
EB1596053750	EL SEGUNDO	CA		10/07/2016		1,240,135							6,154		6,154		
EB1596053766	DUCK	NC		12/16/2016		704,813							3,714		3,714		
EB1596053799	LA HABRA HEIGHTS	CA		12/16/2016		667,538							3,702		3,702		
EB1596053805	JURUPA VALLEY	CA		12/16/2016		436,185							2,192		2,192		
EB1596053808	SAN JOSE	CA		12/16/2016		694,833							3,595		3,595		
EB1596053818	CULVER CITY	CA		12/16/2016		1,001,758							6,279		6,279		
EB1596053821	ERIE	CO		12/16/2016		539,755							2,840		2,840		
EB1596053822	SEATTLE	WA		12/16/2016		611,395							3,439		3,439		
EB1596053825	LONG BEACH	CA		12/16/2016		994,549							5,417		5,417		
EB1596053836	GLENDALE	CA		12/16/2016		979,546							5,446		5,446		
EB1596053850	LOS ANGELES	CA		12/16/2016		850,917							4,063		4,063		
EB1596053855	FOSTER CITY	CA		12/16/2016		536,386							2,491		2,491		
EB1596053857	SACRAMENTO	CA		12/16/2016		794,771							3,622		3,622		
EB1596053871	SANTA BARBARA	CA		12/16/2016		1,826,346							8,900		8,900		
EB1596053905	ERIE	CO		12/16/2016		416,855							2,863		2,863		
EB1596053910	DENVER	CO		12/16/2016		1,148,721							5,690		5,690		
EB1596053911	BOTHELL	WA		12/16/2016		682,757							4,023		4,023		
EB1596053930	SOUTH SAN FRANCISCO	CA		12/16/2016		987,080							6,911		6,911		
EB1596053937	SCOTTSDALE	AZ		12/16/2016		785,117							4,899		4,899		
EB1596053958	SCOTTSDALE	AZ		12/16/2016		494,785							2,362		2,362		
EB1596053960	PACIFICA	CA		12/16/2016		650,629							3,423		3,423		
EB1596053967	GUALALA	CA		12/16/2016		608,905							2,995		2,995		
EB1596053974	PHOENIX	AZ		12/16/2016		677,897							3,330		3,330		
EB1596053990	SEATTLE	WA		12/16/2016		752,009							3,561		3,561		
EB1596053993	CALABASAS	CA		12/16/2016		978,123							4,868		4,868		
EB1596054004	DENVER	CO		12/16/2016		893,516							4,704		4,704		
EB1596054012	BROOMFIELD	CO		12/16/2016		538,719							2,912		2,912		
EB1596054021	LOS ANGELES	CA		12/16/2016		949,502							3,495		3,495		
EB1596054049	PALM SPRINGS	CA		12/16/2016		482,016							5,470		5,470		
EB1596054061	SANTA CLARA	CA		12/16/2016		777,023							4,451		4,451		
EB1596054080	SOLANA BEACH	CA		12/16/2016		919,351							4,461		4,461		
EB1706505057	BEVERLY	MA		12/18/2015		474,547							2,387		2,387		
EB1706505305	SUGAR LAND	TX		12/18/2015		509,634							2,733		2,733		
EB1706542026	CLARKSVILLE	MD		08/19/2016		817,357							4,401		4,401		
EB1706551323	SCOTTSDALE	AZ		12/16/2016		479,486							2,644		2,644		
EB1723001151	ENCINITAS	CA		08/07/2015		614,847							3,338		3,338		
EB1723001157	LOS ANGELES	CA		07/17/2015		518,842							2,907		2,907		
EB1723001216	ALEXANDRIA	VA		12/18/2015		400,617							2,815		2,815		
EB1723001246	LOS ANGELES	CA		06/24/2016		1,004,935							5,409		5,409		
EB1723001389	MANHATTAN BEACH	CA		12/16/2016		1,523,910							8,268		8,268		
EB1723001394	LOS ANGELES	CA		12/16/2016		965,583							5,057		5,057		
EB1725001382	NEWPORT BEACH	CA		12/18/2015		625,723							3,418		3,418		
EB1725002290	NEWPORT BEACH	CA		11/20/2015		1,042,141							5,710		5,710		
EB1725002337	PALM DESERT	CA		07/17/2015		416,027							2,576		2,576		
EB1725002346	PALM SPRINGS	CA		11/20/2015		419,968							2,276		2,276		
EB1725002355	LADERA RANCH	CA		07/17/2015		878,884							4,778		4,778		
EB1725002360	PALM SPRINGS	CA		06/24/2016		1,568,346							9,023		9,023		
EB1725002424	PALM SPRINGS	CA		08/07/2015		413,151							2,979		2,979		
EB1725002450	SAN CLEMENTE	CA		08/07/2015		557,839							3,051		3,051		
EB1725002628	LOS ANGELES	CA		06/24/2016		455,651							2,339		2,339		
EB1725002836	LOS ANGELES	CA		06/24/2016		431,210							3,409		3,409		
EB1725002907	COSTA MESA	CA		03/24/2016		684,326							3,492		3,492		
EB1725002983	PALM SPRINGS	CA		06/24/2016		418,669							2,137		2,137		
EB1725003098	NEWPORT BEACH	CA		10/12/2016		1,402,359							9,555		9,555		
EB1725003333	SAN JOSE	CA		12/16/2016		626,552							3,358		3,358		
EB1725003376	SAN DIEGO	CA		12/16/2016		1,009,717							5,309		5,309		
EB1725003421	SAN ANSELMO	CA		12/16/2016		847,314							4,342		4,342		
EB1725003445	SAN CLEMENTE	CA		12/16/2016		623,531							3,152		3,152		

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE B - PART 3

Showing All Mortgage Loans DISPOSED, Transferred or Repaid During the Current Quarter

1	Location		4	5	6	7	Change in Book Value/Recorded Investment						14	15	16	17	18
	2	3					8	9	10	11	12	13					
Loan Number	City	State	Loan Type	Date Acquired	Disposal Date	Book Value/Recorded Investment Excluding Accrued Interest Prior Year	Unrealized Valuation Increase (Decrease)	Current Year's (Amortization) /Accretion	Current Year's Other Than Temporary Impairment Recognized	Capitalized Deferred Interest and Other	Total Change in Book Value (8+9-10+11)	Total Foreign Exchange Change in Book Value	Book Value/Recorded Investment Excluding Accrued Interest on Disposal	Consid-eration	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal
EB1725003460	LADERA RANCH	CA		12/16/2016		494,726							1,869	1,869			
EB1771000521	HUNTINGTON BEACH	CA		09/18/2015		802,273							64,089	64,089			
EB1771000608	SAN JUAN CAPISTRANO	CA		11/20/2015		942,941							5,931	5,931			
EB1771000663	HUNTINGTON BEACH	CA		07/30/2015		1,007,393							5,805	5,805			
EB1771000666	SANTA ANA	CA		09/18/2015		644,173							3,530	3,530			
EB1771000713	SAN JUAN CAPISTRANO	CA		11/20/2015		1,076,204							9,692	9,692			
EB1771000721	SAN JUAN CAPISTRANO	CA		09/25/2015		948,244							5,336	5,336			
EB1771000972	HUNTINGTON BEACH	CA		09/25/2015		830,546							6,197	6,197			
EB1771001011	NEWPORT BEACH	CA		11/20/2015		816,727							4,524	4,524			
EB1771001014	LA MIRADA	CA		07/17/2015		447,777							2,640	2,640			
EB1771001018	LA MIRADA	CA		07/17/2015		480,870							2,614	2,614			
EB1771001118	SAN JUAN CAPISTRANO	CA		08/17/2016		872,291							5,792	5,792			
EB1771001235	HUNTINGTON BEACH	CA		10/12/2016		941,654							5,175	5,175			
EB1771001373	HUNTINGTON BEACH	CA		03/24/2016		962,279							4,896	4,896			
EB1771001383	LAKE FOREST	CA		06/24/2016		720,231							5,114	5,114			
EB1771001472	HUNTINGTON BEACH	CA		12/16/2016		1,306,596							7,085	7,085			
EB1771001805	FOLSOM	CA		12/16/2016		532,207							2,812	2,812			
EB1771001934	HUNTINGTON BEACH	CA		12/16/2016		1,298,660							10,141	10,141			
EB1784001085	WALNUT CREEK	CA		07/30/2015		769,836							4,315	4,315			
EB1784001354	SANTA CLARA	CA		07/30/2015		598,941							3,357	3,357			
EB1784001427	MOUNTAIN VIEW	CA		07/30/2015		922,444							5,170	5,170			
EB1784001440	SAN FRANCISCO	CA		07/30/2015		669,188							3,751	3,751			
EB1784001757	NOVATO	CA		03/24/2016		577,479							3,123	3,123			
EB1784001925	BELMONT	CA		06/24/2016		1,152,567							6,360	6,360			
EB1784002143	SAN FRANCISCO	CA		03/24/2016		990,389							5,194	5,194			
EB1784002144	REDWOOD CITY	CA		09/25/2015		862,124							4,731	4,731			
EB1784002168	SAN FRANCISCO	CA		11/20/2015		1,045,652							5,970	5,970			
EB1784002217	SAN FRANCISCO	CA		09/25/2015		499,470							2,741	2,741			
EB1784002268	SAN FRANCISCO	CA		09/25/2015		941,640							7,595	7,595			
EB1784002309	LAFAYETTE	CA		10/12/2016		1,234,637							6,848	6,848			
EB1784002331	SAN JOSE	CA		10/12/2016		1,660,797							9,168	9,168			
EB1784002334	REDWOOD CITY	CA		07/17/2015		744,145							4,055	4,055			
EB1784002358	EMERALD HILLS	CA		07/17/2015		658,723							4,993	4,993			
EB1784002384	REDWOOD CITY	CA		07/17/2015		859,243							6,073	6,073			
EB1784002424	SAN FRANCISCO	CA		10/12/2016		2,169,855							12,338	12,338			
EB1784002429	OAKLAND	CA		11/20/2015		650,628							3,715	3,715			
EB1784002431	SAN FRANCISCO	CA		03/24/2016		1,093,963							5,927	5,927			
EB1784002442	PALO ALTO	CA		08/07/2015		1,187,868							6,589	6,589			
EB1784002449	SAN FRANCISCO	CA		08/07/2015		437,908							7,859	7,859			
EB1784002458	SAN CARLOS	CA		08/07/2015		898,812							5,002	5,002			
EB1784002535	SAN FRANCISCO	CA		08/07/2015		791,686							4,223	4,223			
EB1784002546	CORTE MADERA	CA		08/07/2015		1,035,877							5,824	5,824			
EB1784002563	SAN FRANCISCO	CA		08/07/2015		539,423							3,198	3,198			
EB1784002775	SAN FRANCISCO	CA		06/24/2016		620,105							3,175	3,175			
EB1784002796	SAN BRUNO	CA		03/24/2016		629,597							3,285	3,285			
EB1784002902	MORGAN HILL	CA		03/24/2016		524,688							2,738	2,738			
EB1784002927	SANTA ROSA	CA		03/24/2016		470,293							2,510	2,510			
EB1784002958	MENLO PARK	CA		06/24/2016		519,811							2,783	2,783			
EB1784003112	MENLO PARK	CA		03/24/2016		593,653							3,153	3,153			
EB1784003157	LA CRESCENTA	CA		06/24/2016		399,053							3,579	3,579			
EB1784003213	REDWOOD CITY	CA		10/12/2016		1,273,388							6,823	6,823			
EB1784003367	REDWOOD CITY	CA		10/12/2016		719,047							3,759	3,759			
EB1784003417	NOVATO	CA		06/24/2016		519,061							2,631	2,631			
EB1784003436	SANTA ROSA	CA		06/24/2016		486,591							2,432	2,432			
EB1784003477	SAN FRANCISCO	CA		03/24/2016		620,873							3,388	3,388			
EB1784003514	SAN JOSE	CA		03/24/2016		587,332							3,550	3,550			
EB1784003648	SAN FRANCISCO	CA		06/24/2016		910,597							4,853	4,853			
EB1784003899	SAN FRANCISCO	CA		10/12/2016		1,232,732							6,645	6,645			
EB1784003927	SAN JOSE	CA		06/24/2016		971,211							5,453	5,453			
EB1784003936	SAN BRUNO	CA		10/12/2016		618,985							4,958	4,958			



STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE B - PART 3

Showing All Mortgage Loans DISPOSED, Transferred or Repaid During the Current Quarter

1	Location		4	5	6	7	Change in Book Value/Recorded Investment						14	15	16	17	18
	2	3					8	9	10	11	12	13					
Loan Number	City	State	Loan Type	Date Acquired	Disposal Date	Book Value/Recorded Investment Excluding Accrued Interest Prior Year	Unrealized Valuation Increase (Decrease)	Current Year's (Amortization) /Accretion	Current Year's Other Than Temporary Impairment Recognized	Capitalized Deferred Interest and Other	Total Change in Book Value (8+9-10+11)	Total Foreign Exchange Change in Book Value	Book Value/Recorded Investment Excluding Accrued Interest on Disposal	Consid-eration	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal
EB1784003944	SAN CARLOS	CA		12/16/2016		638,260							3,306	3,306			
EB1784003974	SAN JOSE	CA		08/17/2016		654,555							3,575	3,575			
EB1784004014	SAN FRANCISCO	CA		08/17/2016		926,806							4,954	4,954			
EB1784004039	SAN FRANCISCO	CA		12/16/2016		473,314							2,489	2,489			
EB1784004040	CORTE MADERA	CA		08/17/2016		666,860							4,746	4,746			
EB1784004072	SAN RAFAEL	CA		12/16/2016		725,842							5,122	5,122			
EB1784004088	NOVATO	CA		12/16/2016		1,020,658							5,525	5,525			
EB1784004097	SAN FRANCISCO	CA		12/16/2016		1,887,517							10,233	10,233			
EB1784004120	SAN FRANCISCO	CA		10/12/2016		637,002							3,346	3,346			
EB1784004122	SAN FRANCISCO	CA		08/17/2016		963,184							5,024	5,024			
EB1784004180	SAN FRANCISCO	CA		10/12/2016		652,651							2,232	2,232			
EB1784004245	TIBURON	CA		12/16/2016		712,633							3,827	3,827			
EB1784004248	SAN FRANCISCO	CA		12/16/2016		757,874							4,070	4,070			
EB1784004293	EL CERRITO	CA		12/16/2016		639,881							3,276	3,276			
EB1784004395	FAIRFAX	CA		12/16/2016		1,014,365							5,291	5,291			
EB1784004497	SEBASTOPOL	CA		12/16/2016		744,017							5,362	5,362			
EB1784004502	MENLO PARK	CA		12/16/2016		773,795							4,033	4,033			
EB1784004539	SAN MATEO	CA		12/16/2016		1,146,535							6,086	6,086			
EB1784004542	SAN JOSE	CA		12/16/2016		1,078,685							6,786	6,786			
EB1784004563	DANVILLE	CA		12/16/2016		777,132							4,552	4,552			
EB1784004587	CORTE MADERA	CA		12/16/2016		368,932							3,852	3,852			
EB1784004738	SAN FRANCISCO	CA		12/16/2016		738,264							3,978	3,978			
EB1784004775	BELMONT	CA		12/16/2016		870,231							7,481	7,481			
EB1784004777	SAN FRANCISCO	CA		12/16/2016		981,451							6,593	6,593			
EB1784004778	SAN FRANCISCO	CA		12/16/2016		679,452							3,627	3,627			
EB1784004781	BURLINGAME	CA		12/16/2016		1,344,826							7,228	7,228			
EB1784004782	MENLO PARK	CA		12/16/2016		749,447							6,673	6,673			
EB1784004784	SAN RAFAEL	CA		12/16/2016		606,772							3,269	3,269			
EB1784004785	BURLINGAME	CA		12/16/2016		1,305,023							6,998	6,998			
EB1784004815	REDWOOD CITY	CA		12/16/2016		1,103,661							5,780	5,780			
EB1784004840	OAKLAND	CA		12/16/2016		1,005,890							5,394	5,394			
EB1784004856	SAN FRANCISCO	CA		12/16/2016		922,719							4,971	4,971			
EB1784004858	SAN FRANCISCO	CA		12/16/2016		560,425							3,005	3,005			
EB1784004861	SAN FRANCISCO	CA		12/16/2016		734,407							7,033	7,033			
EB1784004870	SAN RAFAEL	CA		12/16/2016		1,110,624							6,132	6,132			
EB1784004880	SAN FRANCISCO	CA		12/16/2016		1,350,451							7,701	7,701			
EB1784004910	SAN RAFAEL	CA		12/16/2016		873,131							4,557	4,557			
EB1784004962	SAN FRANCISCO	CA		12/16/2016		490,572							2,573	2,573			
EB1784005051	SAN BRUNO	CA		12/16/2016		683,623							3,769	3,769			
EB1785002268	SANTA CRUZ	CA		09/18/2015		410,975							3,269	3,269			
EB1785002536	SAN FRANCISCO	CA		07/30/2015		739,908							4,399	4,399			
EB1785003246	LOS ANGELES	CA		03/24/2016		501,900							2,646	2,646			
EB1785003252	NEWARK	CA		10/09/2015		431,721							2,694	2,694			
EB1785003272	MENLO PARK	CA		09/25/2015		944,587							5,214	5,214			
EB1785003289	LINDEN	CA		10/09/2015		516,050							3,144	3,144			
EB1785003399	VALENCIA	CA		11/20/2015		494,732							2,672	2,672			
EB1785003407	SAN JOSE	CA		07/17/2015		762,670							5,607	5,607			
EB1785003447	PORTOLA VALLEY	CA		07/17/2015		1,283,832							7,241	7,241			
EB1785003492	SATELLITE BEACH	FL		08/07/2015		466,141							4,081	4,081			
EB1785003522	E PALO ALTO	CA		08/07/2015		547,650							2,916	2,916			
EB1785003601	LOS GATOS	CA		06/24/2016		853,909							4,510	4,510			
EB1785003665	REDWOOD CITY	CA		06/24/2016		588,728							6,557	6,557			
EB1785004145	PEBBLE BEACH	CA		06/24/2016		556,007							3,559	3,559			
EB1785004180	FREMONT	CA		06/24/2016		743,653							3,964	3,964			
EB1785004254	SAN JOSE	CA		06/24/2016		692,167							3,669	3,669			
EB1785004280	LOS GATOS	CA		06/24/2016		581,989							19,464	19,464			
EB1785004420	SUNNYVALE	CA		08/17/2016		1,212,648							12,600	12,600			
EB1785004656	SCOTTS VALLEY	CA		12/16/2016		681,267							3,925	3,925			
EB1785004673	SAN JOSE	CA		10/07/2016		1,083,427							5,652	5,652			
EB1785004871	LOS ALTOS	CA		12/16/2016		495,856							2,814	2,814			

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE B - PART 3

Showing All Mortgage Loans DISPOSED, Transferred or Repaid During the Current Quarter

1	Location		4	5	6	7	Change in Book Value/Recorded Investment						14	15	16	17	18
	2	3					8	9	10	11	12	13					
Loan Number	City	State	Loan Type	Date Acquired	Disposal Date	Book Value/Recorded Investment Excluding Accrued Interest Prior Year	Unrealized Valuation Increase (Decrease)	Current Year's (Amortization) /Accretion	Current Year's Other Than Temporary Impairment Recognized	Capitalized Deferred Interest and Other	Total Change in Book Value (8+9-10+11)	Total Foreign Exchange Change in Book Value	Book Value/Recorded Investment Excluding Accrued Interest on Disposal	Consid-eration	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal
EB1785004879	SANTA CRUZ	CA		12/16/2016		690,937							3,528	3,528			
EB1785004925	SANTA CRUZ	CA		12/16/2016		730,273							4,032	4,032			
EB1786002179	HALF MOON BAY	CA		07/30/2015		1,065,892							6,073	6,073			
EB1786002320	PORTOLA VALLEY	CA		10/09/2015		577,790							4,066	4,066			
EB1786002424	LOS ALTOS	CA		09/25/2015		1,660,228							9,066	9,066			
EB1786002511	BELMONT	CA		03/24/2016		915,916							5,112	5,112			
EB1786002571	SAN FRANCISCO	CA		08/07/2015		1,294,128							7,336	7,336			
EB1786002646	SOUTH SAN FRANCISCO	CA		03/24/2016		712,832							3,921	3,921			
EB1786002673	SANTA CLARA	CA		07/17/2015		610,143							4,311	4,311			
EB1786002688	SAN MATEO	CA		09/25/2015		650,847							3,663	3,663			
EB1786002704	BELMONT	CA		06/24/2016		1,096,125							7,058	7,058			
EB1786002708	TRUCKEE	CA		11/20/2015		542,717							3,114	3,114			
EB1786002719	MENLO PARK	CA		07/17/2015		731,470							4,171	4,171			
EB1786002720	EL GRANADA	CA		11/20/2015		878,162							5,014	5,014			
EB1786002754	BURLINGAME	CA		07/17/2015		739,371							4,131	4,131			
EB1786002773	REDWOOD CITY	CA		07/17/2015		747,015							4,052	4,052			
EB1786002804	ARNOLD	CA		10/12/2016		458,661							2,405	2,405			
EB1786002848	FOSTER CITY	CA		06/24/2016		1,070,590							5,626	5,626			
EB1786002896	NOVATO	CA		03/24/2016		623,239							3,393	3,393			
EB1786003293	CUPERTINO	CA		06/24/2016		481,046							2,440	2,440			
EB1786003297	LOS ALTOS	CA		10/07/2016		882,517							4,499	4,499			
EB1786003342	BURLINGAME	CA		06/24/2016		891,295							6,356	6,356			
EB1786003372	SAN CARLOS	CA		06/24/2016		1,612,513							9,595	9,595			
EB1786003544	BELMONT	CA		10/12/2016		950,582							5,149	5,149			
EB1786003545	CASTRO VALLEY	CA		10/12/2016		744,745							3,996	3,996			
EB1786003598	FOSTER CITY	CA		08/17/2016		918,349							5,034	5,034			
EB1786003610	SAN MATEO	CA		12/16/2016		1,069,422							5,981	5,981			
EB1786003623	SAN MATEO	CA		12/16/2016		1,236,852							6,896	6,896			
EB1786003657	SAN FRANCISCO	CA		08/17/2016		842,551							4,504	4,504			
EB1786003720	BELMONT	CA		12/16/2016		1,236,140							6,824	6,824			
EB1786003745	BELMONT	CA		12/16/2016		819,853							4,635	4,635			
EB1786003774	REDWOOD CITY	CA		12/16/2016		769,346							4,123	4,123			
EB1786003890	SAN MATEO	CA		12/16/2016		693,334							3,769	3,769			
EB1786003928	SAN FRANCISCO	CA		12/16/2016		647,706							3,335	3,335			
EB1786003969	SAN MATEO	CA		12/16/2016		984,895							5,158	5,158			
EB1786003970	SAN MATEO	CA		12/16/2016		919,792							4,697	4,697			
EB1786004118	SANTA CLARA	CA		12/16/2016		1,072,949							5,754	5,754			
EB1786004135	PALO ALTO	CA		12/16/2016		1,128,548							6,222	6,222			
EB1787002719	OAKLAND	CA		08/07/2015		671,996							3,765	3,765			
EB1787002755	CASTRO VALLEY	CA		07/17/2015		592,957							3,297	3,297			
EB1787002756	SAN RAMON	CA		11/20/2015		540,024							3,884	3,884			
EB1787002772	NOVATO	CA		07/17/2015		603,030							3,286	3,286			
EB1787002798	SAN RAMON	CA		08/07/2015		717,033							3,896	3,896			
EB1787002827	CASTRO VALLEY	CA		08/07/2015		649,204							7,864	7,864			
EB1787002855	SAN JOSE	CA		08/07/2015		610,565							3,268	3,268			
EB1787003150	SAN RAMON	CA		03/24/2016		816,067							2,777	2,777			
EB1787003203	PLEASANTON	CA		03/24/2016		766,368							6,411	6,411			
EB1787003208	HAYWARD	CA		06/24/2016		471,788							2,334	2,334			
EB1787003214	WALNUT CREEK	CA		03/24/2016		785,900							4,091	4,091			
EB1787003319	MILPITAS	CA		12/16/2016		651,035							3,530	3,530			
EB1787003346	DANVILLE	CA		06/24/2016		394,847							2,115	2,115			
EB1787003434	UNION CITY	CA		10/12/2016		653,648							3,524	3,524			
EB1787003508	FREMONT	CA		12/16/2016		649,947							3,740	3,740			
EB1787003647	DANVILLE	CA		12/16/2016		898,077							4,813	4,813			
EB1787003800	DUBLIN	CA		12/16/2016		622,599							3,172	3,172			
EB1787003834	SAN BRUNO	CA		12/16/2016		1,121,097							10,175	10,175			
EB1787003868	DUBLIN	CA		12/16/2016		728,936							4,823	4,823			
EB1787003934	LIVERMORE	CA		12/16/2016		614,254							3,349	3,349			
EB1787003938	SAN JOSE	CA		12/16/2016		430,541							2,237	2,237			
EB1787003957	PLEASANTON	CA		12/16/2016		782,044							6,561	6,561			

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE B - PART 3

Showing All Mortgage Loans DISPOSED, Transferred or Repaid During the Current Quarter

1	Location		4	5	6	7	Change in Book Value/Recorded Investment					14	15	16	17	18	
	2	3					8	9	10	11	12	13					
Loan Number	City	State	Loan Type	Date Acquired	Disposal Date	Book Value/ Recorded Investment Excluding Accrued Interest Prior Year	Unrealized Valuation Increase (Decrease)	Current Year's (Amortization) /Accretion	Current Year's Other Than Temporary Impairment Recognized	Capitalized Deferred Interest and Other	Total Change in Book Value (8+9-10+11)	Total Foreign Exchange Change in Book Value	Book Value/ Recorded Investment Excluding Accrued Interest on Disposal	Consid- eration	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal
EB1787003964	PLEASANTON	CA		12/16/2016		502,103							2,629	2,629			
EB1787003973	DUBLIN	CA		12/16/2016		599,052							3,307	3,307			
EB1787004002	PENNGROVE	CA		12/16/2016		666,822							3,664	3,664			
EB1787004061	FREMONT	CA		12/16/2016		731,573							5,004	5,004			
EB1787004076	ORINDA	CA		12/16/2016		1,109,308							5,977	5,977			
EB1787004136	DUBLIN	CA		12/16/2016		418,642							2,245	2,245			
EB1789002868	OAKLAND	CA		07/30/2015		597,959							4,174	4,174			
EB1789003029	REDWOOD CITY	CA		06/24/2016		711,197							3,839	3,839			
EB1789003354	LOS ALTOS	CA		03/24/2016		1,327,162							7,300	7,300			
EB1789003359	SARATOGA	CA		03/24/2016		426,585							2,335	2,335			
EB1789003375	SAN FRANCISCO	CA		10/09/2015		418,534							2,311	2,311			
EB1789003401	MOUNTAIN VIEW	CA		09/25/2015		494,562							2,854	2,854			
EB1789003454	APTOS	CA		06/24/2016		654,425							3,612	3,612			
EB1789003531	SUNNYVALE	CA		10/12/2016		592,648							3,209	3,209			
EB1789003549	SAN MATEO	CA		06/24/2016		925,918							6,161	6,161			
EB1789003567	REDWOOD CITY	CA		03/24/2016		639,272							3,568	3,568			
EB1789003570	DUBLIN	CA		09/25/2015		622,765							3,324	3,324			
EB1789003581	MOUNTAIN VIEW	CA		09/25/2015		530,022							2,968	2,968			
EB1789003621	MOUNTAIN VIEW	CA		03/24/2016		954,718							5,911	5,911			
EB1789003629	BELMONT	CA		11/20/2015		711,868							4,798	4,798			
EB1789003653	FREMONT	CA		07/17/2015		410,313							2,379	2,379			
EB1789003655	BERKELEY	CA		07/17/2015		623,341							4,036	4,036			
EB1789003669	SAN RAMON	CA		07/17/2015		643,460							3,577	3,577			
EB1789003676	SANTA CLARA	CA		08/07/2015		500,140							3,162	3,162			
EB1789003695	MOUNTAIN VIEW	CA		11/20/2015		1,003,826							5,731	5,731			
EB1789003698	SUNNYVALE	CA		08/07/2015		800,299							4,432	4,432			
EB1789003711	SANTA CRUZ	CA		10/12/2016		635,876							3,510	3,510			
EB1789003722	SUNNYVALE	CA		07/17/2015		580,264							3,162	3,162			
EB1789003958	BURLINGAME	CA		06/24/2016		609,170							3,200	3,200			
EB1789003985	SAN CARLOS	CA		06/24/2016		641,831							3,360	3,360			
EB1789004148	BURLINGAME	CA		06/24/2016		822,031							4,239	4,239			
EB1789004236	SAN JOSE	CA		03/24/2016		885,963							4,777	4,777			
EB1789004288	CAMPBELL	CA		03/24/2016		577,356							2,938	2,938			
EB1789004300	SAN JOSE	CA		06/24/2016		676,418							11,337	11,337			
EB1789004328	DANVILLE	CA		12/16/2016		1,036,806							5,700	5,700			
EB1789004341	SUNNYVALE	CA		06/24/2016		894,997							5,578	5,578			
EB1789004375	HAYWARD	CA		10/12/2016		1,150,811							7,588	7,588			
EB1789004388	SAN JOSE	CA		10/07/2016		706,519							10,013	10,013			
EB1789004398	REDWOOD CITY	CA		06/24/2016		1,003,037							5,343	5,343			
EB1789004486	ALCOA	TN		08/19/2016		512,311							2,772	2,772			
EB1789004493	SUNNYVALE	CA		08/17/2016		1,118,460							6,130	6,130			
EB1789004502	SAN CARLOS	CA		10/12/2016		1,101,079							5,767	5,767			
EB1789004521	BURLINGAME	CA		08/17/2016		984,817							6,199	6,199			
EB1789004539	REDWOOD CITY	CA		08/17/2016		860,743							4,601	4,601			
EB1789004549	SAN JOSE	CA		08/17/2016		379,490							5,195	5,195			
EB1789004553	THE WOODLANDS	TX		12/16/2016		1,106,160							5,968	5,968			
EB1789004565	SAN JOSE	CA		08/17/2016		379,490							5,195	5,195			
EB1789004596	MOUNTAIN VIEW	CA		08/17/2016		684,438							3,570	3,570			
EB1789004648	SAN JOSE	CA		12/16/2016		838,290							4,607	4,607			
EB1789004888	SAN JOSE	CA		12/16/2016		971,644							9,599	9,599			
EB1789004889	REDWOOD CITY	CA		12/16/2016		287,896							1,576	1,576			
EB1789004890	BELMONT	CA		12/16/2016		1,075,553							5,614	5,614			
EB1789004944	SAN JOSE	CA		12/16/2016		619,387							3,618	3,618			
EB1789004950	SAN JOSE	CA		12/16/2016		559,435							3,014	3,014			
EB1789004967	SANTA CLARA	CA		12/16/2016		569,686							3,141	3,141			
EB1790002216	ALEXANDRIA	VA		09/25/2015		935,204							5,281	5,281			
EB1790002358	FALLS CHURCH	VA		11/20/2015		705,069							3,869	3,869			
EB1790002648	WASHINGTON	DC		06/24/2016		731,756							3,841	3,841			
EB1790002986	WASHINGTON	DC		10/12/2016		612,375							3,316	3,316			
EB1791002759	ROCKVILLE	MD		07/17/2015		610,246							4,230	4,230			

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE B - PART 3

Showing All Mortgage Loans DISPOSED, Transferred or Repaid During the Current Quarter

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	2	3					8	9	10	11	12	13					
Loan Number	City	State	Loan Type	Date Acquired	Disposal Date	Book Value/Recorded Investment Excluding Accrued Interest Prior Year	Unrealized Valuation Increase (Decrease)	Current Year's (Amortization) /Accretion	Current Year's Other Than Temporary Impairment Recognized	Capitalized Deferred Interest and Other	Total Change in Book Value (8+9-10+11)	Total Foreign Exchange Change in Book Value	Book Value/Recorded Investment Excluding Accrued Interest on Disposal	Consid-eration	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal
EB1791002764	POTOMAC	MD		07/17/2015		695,088							3,864	3,864			
EB1791002772	RESTON	VA		08/07/2015		1,074,867							8,662	8,662			
EB1791002786	MCLEAN	VA		08/07/2015		747,453							4,160	4,160			
EB1793000749	VOORHEESVILLE	NY		12/18/2015		541,718							6,013	6,013			
EB1793000950	VIENNA	VA		10/09/2015		1,080,987							6,032	6,032			
EB1793000960	ARLINGTON	VA		07/17/2015		745,086							4,060	4,060			
EB1793000975	KENSINGTON	MD		07/17/2015		838,328							4,684	4,684			
EB1793001367	WASHINGTON	DC		10/07/2016		997,874							10,089	10,089			
EB1793001391	POTOMAC	MD		08/19/2016		608,264							3,876	3,876			
EB1793001392	ARLINGTON	VA		08/19/2016		905,878							5,007	5,007			
EB1793001647	MC LEAN	VA		12/16/2016		624,383							3,210	3,210			
EB1793001664	DARIEN	CT		12/16/2016		608,561							3,360	3,360			
EB1794002440	SEVERN	MD		07/30/2015		469,707							2,975	2,975			
EB1794002606	ARLINGTON	VA		09/18/2015		886,367							5,264	5,264			
EB1794003134	WASHINGTON	DC		10/09/2015		400,200							3,026	3,026			
EB1794003210	ASHBURN	VA		11/20/2015		513,196							2,801	2,801			
EB1794003329	NOKESVILLE	VA		12/18/2015		651,677							4,502	4,502			
EB1794003381	FAIRFAX	VA		08/07/2015		606,044							3,321	3,321			
EB1794003388	ANNANDALE	VA		08/07/2015		563,006							4,210	4,210			
EB1794003466	ANNANDALE	VA		12/18/2015		492,224							3,431	3,431			
EB1794003540	WASHINGTON	DC		12/18/2015		756,653							5,839	5,839			
EB1794003584	ANNANDALE	VA		06/24/2016		511,604							2,781	2,781			
EB1794003597	FALLS CHURCH	VA		06/24/2016		984,689							5,077	5,077			
EB1794003753	NORTH POTOMAC	MD		06/24/2016		619,285							3,386	3,386			
EB1795000799	WESTFIELD	NJ		09/18/2015		576,525							3,176	3,176			
EB1795001038	STATEN ISLAND	NY		12/18/2015		503,315							2,587	2,587			
EB1795001161	WEST LONG BRANCH	NJ		11/20/2015		529,565							4,041	4,041			
EB1795001225	UPPER MONTCLAIR	NJ		07/17/2015		414,329							2,321	2,321			
EB1795001267	GLEN RIDGE	NJ		11/20/2015		647,056							3,566	3,566			
EB1795001327	MENDHAM	NJ		12/18/2015		439,197							2,325	2,325			
EB1795001484	OCEANPORT	NJ		12/18/2015		471,684							1,687	1,687			
EB1795001933	ROCKAWAY	NJ		12/16/2016		667,234							3,485	3,485			
EB1994000187	LAFAYETTE HILL	PA		09/18/2015		669,513							3,688	3,688			
FR121181213	ESSEX FIELDS	NJ		09/23/2016		666,263							3,644	3,644			
FR125660147	BOSTON	MA		09/23/2016		543,498							2,959	2,959			
FR125676614	NEWTON	MA		09/09/2016		866,677							4,738	4,738			
FR125686655	SAN RAFAEL	CA		09/09/2016		965,201							5,206	5,206			
FR125687686	PALO ALTO	CA		10/07/2016		1,093,564							5,987	5,987			
FR125688452	BURLINGAME	CA		09/09/2016		855,797							4,685	4,685			
FR125689476	DANVILLE	CA		10/07/2016		431,631							2,276	2,276			
FR125689609	LARCHMONT	NY		09/09/2016		912,898							4,998	4,998			
FR125690276	BURLINGAME	CA		10/07/2016		715,485							3,893	3,893			
FR125690953	LEXINGTON	MA		09/09/2016		571,435							3,124	3,124			
FR125692355	ORINDA	CA		10/07/2016		1,043,297							5,677	5,677			
FR125692496	SAN FRANCISCO	CA		10/07/2016		931,668							5,069	5,069			
FR125692728	SAN DIEGO	CA		10/07/2016		638,098							3,488	3,488			
FR125692959	LAFAYETTE	CA		09/09/2016		950,756							5,220	5,220			
FR125693304	HINGHAM	MA		11/04/2016		829,347							4,516	4,516			
FR125693379	SAN FRANCISCO	CA		09/09/2016		852,016							4,659	4,659			
FR125693742	ALAMO	CA		09/23/2016		787,870							4,263	4,263			
FR125694955	WELLESLEY	MA		09/23/2016		1,205,680							6,524	6,524			
FR125695028	KENSINGTON	CA		09/23/2016		1,002,243							5,508	5,508			
FR125695481	HILLSBOROUGH	CA		10/07/2016		647,529							3,525	3,525			
FR125695861	CORTE MADERA	CA		09/23/2016		1,070,950							5,857	5,857			
FR125696794	SAN FRANCISCO	CA		10/07/2016		899,447							4,920	4,920			
FR125696927	MOUNTAIN VIEW	CA		10/07/2016		853,382							4,646	4,646			
FR125697404	SAN FRANCISCO	CA		11/04/2016		657,901							3,582	3,582			
FR125697446	WELLESLEY	MA		10/07/2016		714,777							3,893	3,893			
FR125697743	SAN DIEGO	CA		10/07/2016		911,058							4,960	4,960			
FR125697792	SHERMAN OAKS	CA		09/23/2016		1,004,331							5,493	5,493			

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE B - PART 3

Showing All Mortgage Loans DISPOSED, Transferred or Repaid During the Current Quarter

1	Location		4	5	6	7	Change in Book Value/Recorded Investment					14	15	16	17	18	
	2	3					8	9	10	11	12	13					
Loan Number	City	State	Loan Type	Date Acquired	Disposal Date	Book Value/Recorded Investment Excluding Accrued Interest Prior Year	Unrealized Valuation Increase (Decrease)	Current Year's (Amortization) /Accretion	Current Year's Other Than Temporary Impairment Recognized	Capitalized Deferred Interest and Other	Total Change in Book Value (8+9-10+11)	Total Foreign Exchange Change in Book Value	Book Value/Recorded Investment Excluding Accrued Interest on Disposal	Consid-eration	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal
FR125698089	SAN MATEO	CA		09/23/2016		947,271							5,352	5,352			
FR125698386	ALISO VIEJO	CA		10/07/2016		563,464							3,068	3,068			
FR125698675	WELLESLEY	MA		10/07/2016		657,595							3,582	3,582			
FR125698956	BURLINGAME	CA		11/18/2016		853,173							4,646	4,646			
FR125699020	GARDEN CITY	NY		09/23/2016		715,069							3,893	3,893			
FR125699384	SAN RAMON	CA		12/02/2016		836,950							4,482	4,482			
FR125699483	NOVATO	CA		11/04/2016		616,996							3,364	3,364			
FR125699954	DANA POINT MONARCH B	CA		10/07/2016		650,545							3,543	3,543			
FR125700224	WELLESLEY	MA		10/07/2016		571,457							3,127	3,127			
FR125700737	SAN FRANCISCO	CA		11/18/2016		1,119,088							5,983	5,983			
FR125701107	LOS ANGELES	CA		10/07/2016		931,741							5,075	5,075			
FR125701305	BOSTON	MA		10/07/2016		1,072,992							6,582	6,582			
FR125702451	SAN FRANCISCO	CA		10/07/2016		714,948							3,893	3,893			
FR125704689	SAN DIEGO	CA		10/21/2016		695,731							3,828	3,828			
FR125704804	WALNUT CREEK	CA		12/02/2016		632,605							3,498	3,498			
FR125704960	SAN FRANCISCO	CA		11/18/2016		910,351							4,881	4,881			
FR125704978	SAN FRANCISCO	CA		09/23/2016		791,085							97,397	97,397			
FR125705470	DANA POINT	CA		11/18/2016		656,765							28,737	28,737			
FR125705868	MENLO PARK	CA		10/07/2016		1,049,509							5,668	5,668			
FR125706197	SHERMAN OAKS	CA		10/21/2016		849,447							4,612	4,612			
FR125706494	MORAGA	CA		10/07/2016		742,545							4,061	4,061			
FR125708235	MORAGA	CA		10/21/2016		762,484							4,153	4,153			
FR125708359	LEXINGTON	MA		12/02/2016		806,888							4,374	4,374			
FR125709076	SONOMA	CA		11/18/2016		733,798							3,811	3,811			
FR125709688	PASADENA	CA		11/18/2016		678,975							3,473	3,473			
FR125711528	SAN FRANCISCO	CA		10/21/2016		805,707							4,165	4,165			
FR125712625	MILL VALLEY	CA		10/21/2016		926,212							9,306	9,306			
FR125713748	LOS ANGELES	CA		11/04/2016		663,864							3,518	3,518			
FR125713839	SAN FRANCISCO	CA		10/21/2016		537,487							4,993	4,993			
FR125716451	PLEASANTON	CA		11/04/2016		572,640							3,106	3,106			
FR125716923	NEWTON	MA		11/18/2016		788,201							4,253	4,253			
FR125717244	LOS ANGELES VEN	CA		11/04/2016		959,961							5,218	5,218			
FR125717814	NEWTON	MA		10/21/2016		678,725							3,688	3,688			
FR125718499	LAKE ARROWHEAD	CA		12/02/2016		574,651							3,084	3,084			
FR125718614	LA JOLLA	CA		12/02/2016		1,182,962							6,360	6,360			
FR125718697	SANTA MONICA	CA		12/22/2016		905,857							4,874	4,874			
FR125718747	SAN JOSE	CA		12/02/2016		1,053,689							5,693	5,693			
FR125718754	SAN JOSE	CA		10/21/2016		1,175,286							6,350	6,350			
FR125719067	SAUSALITO	CA		11/04/2016		763,034							4,122	4,122			
FR125719265	LOS ANGELES	CA		11/04/2016		814,499							4,187	4,187			
FR125719471	BURLINGAME	CA		11/18/2016		787,740							4,238	4,238			
FR125720016	NEEDHAM	MA		11/18/2016		932,180							5,009	5,009			
FR125722053	DANVILLE	CA		11/04/2016		624,301							3,372	3,372			
FR125722392	NAPA	CA		11/04/2016		994,746							5,499	5,499			
FR125722418	HALEIWA	HI		12/02/2016		1,227,498							6,582	6,582			
FR125725346	SAN FRANCISCO	CA		11/18/2016		763,961							4,110	4,110			
FR125727805	TIBURON	CA		11/04/2016		1,781,394							9,625	9,625			
FR125727854	NEEDHAM	MA		11/04/2016		475,730							7,931	7,931			
FR125750369	WESTON	MA		11/18/2016		1,517,113							8,091	8,091			
FR125751169	BOSTON	MA		11/18/2016		1,176,030							20,960	20,960			
FR125755467	BURLINGAME	CA		11/18/2016		895,110							5,390	5,390			
FR125755640	LOS ANGELES	CA		11/18/2016		955,294							5,137	5,137			
FR125757133	PIEDMONT	CA		11/18/2016		1,213,430							6,558	6,558			
FR125758883	ORINDA	CA		11/04/2016		1,251,041							6,813	6,813			
FR125758941	MORAGA	CA		12/02/2016		931,645							5,032	5,032			
FR125760210	VALLEY VILLAGE	CA		11/18/2016		859,557							4,624	4,624			
FR125762810	MILL VALLEY	CA		11/04/2016		991,134							5,832	5,832			
FR125763826	BOSTON	MA		11/04/2016		649,548							3,493	3,493			
FR125765219	WELLESLEY	MA		12/22/2016		663,949							6,832	6,832			
FR125765375	SAN FRANCISCO	CA		12/02/2016		698,436							3,739	3,739			

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE B - PART 3

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Loan Number	City	State	Loan Type	Date Acquired	Disposal Date	Book Value/Recorded Investment Excluding Accrued Interest Prior Year	Unrealized Valuation Increase (Decrease)	Current Year's (Amortization) /Accretion	Current Year's Other Than Temporary Impairment Recognized	Capitalized Deferred Interest and Other	Total Change in Book Value (8+9-10+11)	Total Foreign Exchange Change in Book Value	Book Value/Recorded Investment Excluding Accrued Interest on Disposal	Consid-eration	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal
FR125767272	BROOKLINE	MA		12/02/2016		520,250							2,785	2,785			
FR125767314	LEXINGTON	MA		12/02/2016		637,456							3,413	3,413			
FR125768064	SAN FRANCISCO	CA		12/02/2016		665,252							6,943	6,943			
FR125768221	WINCHESTER	MA		12/02/2016		716,266							3,853	3,853			
FR125768239	BOSTON	MA		12/02/2016		588,061							3,163	3,163			
FR125768619	LA CANADA FLINT	CA		12/02/2016		907,270							4,881	4,881			
FR125768932	POUND RIDGE	NY		12/22/2016		673,357							3,610	3,610			
FR125769161	EL CERRITO	CA		12/02/2016		657,332							3,561	3,561			
FR125769815	SAN FRANCISCO	CA		12/02/2016		846,967							4,533	4,533			
FR125769872	LOS ALTOS	CA		12/02/2016		772,823							4,092	4,092			
FR125770821	SAN MATEO	CA		12/02/2016		1,170,944							6,207	6,207			
FR125771639	SAN FRANCISCO	CA		12/02/2016		883,470							4,788	4,788			
FR125771746	SAN FRANCISCO	CA		12/02/2016		2,273,910							12,320	12,320			
FR125772785	CORTE MADERA	CA		12/22/2016		1,267,352							6,866	6,866			
FR125772843	SAN FRANCISCO	CA		12/02/2016		1,012,735							5,487	5,487			
FR125773668	BOSTON	MA		12/02/2016		803,711							4,336	4,336			
FR125774310	SAN FRANCISCO	CA		12/02/2016		748,847							4,069	4,069			
FR125775150	CAMBRIDGE	MA		12/22/2016		1,805,881							13,573	13,573			
FR125776182	OAKLAND	CA		12/22/2016		639,297							3,403	3,403			
FR125778337	SAN RAFAEL	CA		12/22/2016		1,190,574							6,378	6,378			
FR125778618	MELROSE	MA		12/22/2016		561,183							44,039	44,039			
FR125783303	SAN MATEO	CA		12/22/2016		812,472							4,225	4,225			
FR125785795	LAFAYETTE	CA		12/22/2016		765,563							4,067	4,067			
FR125789136	SAN FRANCISCO	CA		12/22/2016		1,317,440							7,047	7,047			
FR125796289	LOS ANGELES	CA		01/20/2017		622,842							3,225	3,225			
FR125799077	CAMBRIDGE	MA		12/22/2016		649,941							3,374	3,374			
FR125806799	SAN FRANCISCO	CA		12/22/2016		1,226,389							6,171	6,171			
FR125819057	REDWOOD CITY	CA		02/17/2017		695,973							11,946	11,946			
FR125819842	BURLINGAME	CA		02/03/2017		858,844							4,097	4,097			
FR125835566	LOS ANGELES	CA		06/08/2017		907,208							13,370	13,370			
FR125875240	SAN FRANCISCO	CA		06/08/2017		754,298							3,611	3,611			
FR125941489	BERKELEY	CA		09/15/2017		866,219							4,251	4,251			
FR225706346	WATER MILL	NY		10/21/2016		1,906,435							10,385	10,385			
PH504113297	SANIBEL	FL		05/08/2015		1,247,415							6,975	6,975			
PH7118499545	SAN JOSE	CA		09/12/2014		411,299							2,180	2,180			
PH7118499743	SOUTH SAN FRANCISCO	CA		08/28/2014		475,655							2,580	2,580			
PH7118500128	MORGAN HILL	CA		08/28/2014		635,615							6,069	6,069			
PH7118585004	HARVARD	MA		10/10/2014		492,555							2,655	2,655			
PH7118593339	GROTON	MA		12/29/2014		466,496							2,526	2,526			
PH7118595441	ACTON	MA		12/29/2014		431,843							2,362	2,362			
PH7118598668	BLAINE	MIN		01/29/2015		784,217							4,411	4,411			
PH7118674535	SAN FRANCISCO	CA		01/16/2015		626,084							3,564	3,564			
PH7118677595	MINNETONKA	MIN		02/26/2015		593,341							5,208	5,208			
PH7118682280	MINNEAPOLIS	MIN		04/24/2015		902,457							4,868	4,868			
PH7118686513	NORTH SALT LAKE	UT		05/08/2015		439,624							2,435	2,435			
PH7118770002	LIVERMORE	CA		06/19/2015		437,868							2,760	2,760			
PH7118774939	HEALDSBURG	CA		06/19/2015		604,803							3,222	3,222			
PH7118778682	LAFAYETTE	CA		07/24/2015		931,359							4,834	4,834			
PH7118858740	DOWNERS GROVE	IL		07/24/2015		420,762							2,234	2,234			
PH7118861462	NAPERVILLE	IL		09/18/2015		564,549							3,465	3,465			
PH7118864581	HALF MOON BAY	CA		08/07/2015		816,740							4,134	4,134			
PH7118865497	MORAGA	CA		09/18/2015		1,070,675							5,312	5,312			
PH7118865950	SAN MATEO	CA		08/21/2015		955,725							4,742	4,742			
PH7118866214	GILROY	CA		09/18/2015		650,053							3,225	3,225			
PH7118927438	BELMONT	CA		08/01/2014		749,242							4,465	4,465			
PH7118930622	SAN FRANCISCO	CA		08/15/2014		830,389							4,510	4,510			
PH7118930648	EL GRANADA	CA		08/15/2014		889,728							4,806	4,806			
PH7118931331	FAIRFAX	VA		09/26/2014		533,009							2,926	2,926			
PH7118932727	CORONA	CA		08/28/2014		474,719							2,530	2,530			
PH7118932958	MORGAN HILL	CA		08/28/2014		569,706							8,976	8,976			

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE B - PART 3

Showing All Mortgage Loans DISPOSED, Transferred or Repaid During the Current Quarter

1	Location		4	5	6	7	Change in Book Value/Recorded Investment						14	15	16	17	18
	2	3					8	9	10	11	12	13					
Loan Number	City	State	Loan Type	Date Acquired	Disposal Date	Book Value/Recorded Investment Excluding Accrued Interest Prior Year	Unrealized Valuation Increase (Decrease)	Current Year's (Amortization) /Accretion	Current Year's Other Than Temporary Impairment Recognized	Capitalized Deferred Interest and Other	Total Change in Book Value (8+9-10+11)	Total Foreign Exchange Change in Book Value	Book Value/Recorded Investment Excluding Accrued Interest on Disposal	Consid-eration	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal
PH7118953657	POTOMAC	MD		01/28/2016		974,828							4,931	4,931			
PH7118959878	MENLO PARK	CA		12/11/2015		1,301,218							6,620	6,620			
PH7119015258	NORTHBOROUGH	MA		10/24/2014		398,788							6,389	6,389			
PH7119108160	HEBER CITY	UT		01/29/2015		485,331							2,680	2,680			
PH7119108293	LAKE BLUFF	IL		01/29/2015		728,081							3,995	3,995			
PH7119108798	SCITUATE	MA		12/29/2014		485,378							2,663	2,663			
PH7119108947	MAPLETON	UT		01/16/2015		563,328							3,156	3,156			
PH7119109242	BELMONT	CA		01/29/2015		744,414							3,978	3,978			
PH7119111347	CALABASAS	CA		03/13/2015		963,145							65,516	65,516			
PH7119117104	PRINCETON	MA		05/08/2015		699,117							4,690	4,690			
PH7119119142	BEDFORD	NH		04/10/2015		551,343							3,036	3,036			
PH7119119472	LOS GATOS	CA		04/24/2015		961,803							5,162	5,162			
PH7119120116	BURBANK	CA		05/08/2015		761,641							4,012	4,012			
PH7119120272	MONTE SERENO	CA		05/08/2015		1,093,838							6,974	6,974			
PH7119120488	SAN BRUNO	CA		03/27/2015		646,000							6,102	6,102			
PH7119123763	SAN JOSE	CA		05/22/2015		574,786							3,247	3,247			
PH7119129091	SAN FRANCISCO	CA		05/22/2015		638,478							3,536	3,536			
PH7119133564	LA JOLLA	CA		09/18/2015		542,512							9,320	9,320			
PH7119213556	CAMPBELL	CA		07/24/2015		985,816							5,110	5,110			
PH7119213721	FALLS CHURCH	VA		08/21/2015		799,428							4,144	4,144			
PH7119217458	PASADENA	CA		07/24/2015		916,826							8,146	8,146			
PH7119218225	MOUNTAIN VIEW	CA		08/21/2015		754,452							3,917	3,917			
PH7119296940	DOWNERS GROVE	IL		08/21/2015		420,690							2,360	2,360			
PH7119298664	CARMEL VALLEY	CA		10/16/2015		918,212							4,771	4,771			
PH7119300320	HIGHLAND	UT		10/29/2015		542,445							2,773	2,773			
PH7119305063	ANNAPOLIS	MD		12/11/2015		725,714							3,612	3,612			
PH7129144932	CERRITOS	CA		11/21/2014		677,599							3,664	3,664			
PH7130350924	NATICK	MA		08/01/2014		496,462							2,667	2,667			
PH7130881704	FLOWER MOUND	TX		08/01/2014		476,121							2,568	2,568			
PH7130919397	SUMMIT	NJ		08/28/2014		652,185							3,586	3,586			
PH7131120482	SUDBURY	MA		08/28/2014		619,425							3,777	3,777			
PH7131164449	WESTFIELD	NJ		07/24/2015		672,566							3,733	3,733			
PH7131166543	COHASSET	MA		09/12/2014		686,585							3,990	3,990			
PH7131263332	CLARKSVILLE	MD		08/01/2014		494,283							2,695	2,695			
PH7131264066	HOUSTON	TX		08/01/2014		517,718							3,842	3,842			
PH7131272168	SHEWISBURY	MA		10/24/2014		567,251							4,404	4,404			
PH7131356037	SIERRA MADRE	CA		09/12/2014		642,427							3,524	3,524			
PH7131390259	SEVERNA PARK	MD		08/15/2014		566,652							3,231	3,231			
PH7131399508	LANTANA	FL		08/15/2014		414,832							3,441	3,441			
PH7131399961	STOW	MA		08/15/2014		545,348							3,045	3,045			
PH7131431731	SOUTHLAKE	TX		09/12/2014		643,785							3,571	3,571			
PH7131433901	WEXFORD	PA		08/28/2014		507,306							2,937	2,937			
PH7131436292	MILL CREEK	WA		08/15/2014		493,434							2,833	2,833			
PH7131436474	SAN DIEGO	CA		09/12/2014		524,235							3,876	3,876			
PH7131438264	PALMETTO BAY	FL		08/28/2014		492,138							2,774	2,774			
PH7131474939	ORANGE	CA		08/28/2014		660,795							3,602	3,602			
PH7131481744	FISHERS	IN		08/28/2014		432,862							2,510	2,510			
PH7131515848	KILDEER	IL		09/12/2014		590,373							3,281	3,281			
PH7131534724	OAKDALE	CA		08/15/2014		425,155							2,932	2,932			
PH7131573060	KERNERSVILLE	NC		08/28/2014		460,197							2,592	2,592			
PH7131574175	WESLEY CHAPEL	FL		09/26/2014		462,599							2,537	2,537			
PH7131574340	LARCHMONT	NY		09/26/2014		667,389							3,641	3,641			
PH7131590437	MARVIN	NC		09/12/2014		509,207							2,838	2,838			
PH7131592391	WOODINVILLE	WA		09/12/2014		539,743							2,981	2,981			
PH7131592649	HEATH	TX		12/12/2014		514,354							2,797	2,797			
PH7131648391	NEEDHAM	MA		09/26/2014		468,596							2,526	2,526			
PH7131649415	OLD BROOKVILLE	NY		09/26/2014		963,354							5,284	5,284			
PH7131649621	DALLAS	TX		08/28/2014		465,628							4,838	4,838			
PH7131649795	DOWNINGTOWN	PA		10/10/2014		623,198							3,404	3,404			
PH7131689379	CARY	NC		08/28/2014		420,316							2,760	2,760			

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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PH7131692662	LA JOLLA	CA		09/26/2014		611,538							3,244	3,244			
PH7131731312	PARK CITY	UT		09/26/2014		590,384							3,241	3,241			
PH7131736733	MAHWAH	NJ		06/19/2015		653,092							4,328	4,328			
PH7131777562	ANNAPOLIS	MD		10/10/2014		508,754							2,757	2,757			
PH7131845898	SAN JOSE	CA		10/24/2014		450,074							2,393	2,393			
PH7131846680	EVERGREEN	CO		09/26/2014		651,174							3,514	3,514			
PH7131847589	MORGANVILLE	NJ		10/24/2014		532,334							3,227	3,227			
PH7131884665	PHILADELPHIA	PA		10/10/2014		441,018							2,423	2,423			
PH7131887809	LITTLE SILVER	NJ		10/24/2014		892,766							4,838	4,838			
PH7131892015	MIDLAND	TX		11/07/2014		500,960							2,736	2,736			
PH7131926664	SAN JOSE	CA		12/12/2014		466,991							2,484	2,484			
PH7131930617	SALEM	NH		10/10/2014		414,726							3,124	3,124			
PH7131930971	PHILADELPHIA	PA		10/24/2014		421,877							2,303	2,303			
PH7131984614	WESTBOROUGH	MA		10/24/2014		518,792							2,859	2,859			
PH7132211116	DENVER	CO		06/19/2015		449,906							2,444	2,444			
PH7132237574	WESTFORD	MA		10/24/2014		487,474							4,126	4,126			
PH7132279568	SOUTHLAKE	TX		11/07/2014		1,037,302							5,909	5,909			
PH7132314662	COLLEYVILLE	TX		11/07/2014		494,064							5,349	5,349			
PH7132320412	ARLINGTON	VA		11/07/2014		709,181							8,910	8,910			
PH7132364493	COLLEYVILLE	TX		07/24/2015		506,910							2,748	2,748			
PH7132365243	WESTFIELD	NJ		08/21/2015		978,209							5,293	5,293			
PH7132397063	ISSAQUAH	WA		11/21/2014		588,377							4,240	4,240			
PH7132398855	SOUTHBURY	CT		12/29/2014		409,256							2,290	2,290			
PH7132439873	PITTSBURGH	PA		12/29/2014		450,399							3,370	3,370			
PH7132441713	RYE BROOK	NY		12/12/2014		743,674							4,014	4,014			
PH7132479192	BETHESDA	MD		01/16/2015		950,539							6,650	6,650			
PH7132480190	MADISON	NJ		01/16/2015		746,705							4,098	4,098			
PH7132481578	SCARSDALE	NY		01/29/2015		862,985							4,747	4,747			
PH7132483319	KELLER	TX		01/16/2015		824,669							4,336	4,336			
PH7132517579	SEATTLE	WA		12/29/2014		585,606							3,133	3,133			
PH7132522348	WESTFIELD	NJ		12/29/2014		662,267							3,930	3,930			
PH7132525655	MADISON	NJ		05/22/2015		610,411							3,373	3,373			
PH7132597407	AGOURA HILLS	CA		12/29/2014		573,142							8,412	8,412			
PH7132604807	DENVER	CO		01/16/2015		457,331							2,484	2,484			
PH7132659050	WEXFORD	PA		01/16/2015		432,774							4,265	4,265			
PH7132659025	MUNDELEIN	IL		01/29/2015		459,194							2,670	2,670			
PH7132693693	GAITHERSBURG	MD		02/13/2015		489,741							2,654	2,654			
PH7132695144	DALLAS	TX		01/16/2015		422,800							2,370	2,370			
PH7132697819	GILBERT	AZ		01/16/2015		435,797							2,443	2,443			
PH7132698379	PHILADELPHIA	PA		01/16/2015		398,929							3,167	3,167			
PH7132732392	CHESTER	NJ		01/16/2015		609,830							3,399	3,399			
PH7132732681	BEDFORD	NY		01/29/2015		515,989							2,848	2,848			
PH7132735106	CONROE	TX		03/13/2015		429,316							2,426	2,426			
PH7132735130	WASHINGTON	DC		01/16/2015		673,250							3,740	3,740			
PH7132773750	SAN JOSE	CA		01/16/2015		539,939							2,890	2,890			
PH7132833976	PELHAM	NY		02/13/2015		622,888							3,364	3,364			
PH7132834222	SPRING	TX		02/13/2015		454,864							2,633	2,633			
PH7132846259	NAPERVILLE	IL		04/10/2015		489,969							2,709	2,709			
PH7132935227	CAMAS	WA		03/27/2015		445,354							2,406	2,406			
PH7132967345	WESTFIELD	NJ		03/27/2015		607,751							3,426	3,426			
PH7132968541	COLUMBUS	OH		02/26/2015		441,800							2,724	2,724			
PH7132976726	GLENSIDE	PA		05/08/2015		674,230							3,672	3,672			
PH7133008628	SCOTCH PLAINS	NJ		04/10/2015		709,028							99,826	99,826			
PH7133026380	QUEEN CREEK	AZ		02/26/2015		420,478							2,340	2,340			
PH7133027941	SHREWSBURY	MA		06/05/2015		423,586							2,791	2,791			
PH7133029764	ATLANTIC HIGHLANDS	NJ		08/07/2015		424,113							2,465	2,465			
PH7133070008	DALLAS	TX		03/27/2015		448,268							2,430	2,430			
PH7133124458	SOUTH LYON	MI		04/24/2015		518,090							2,996	2,996			
PH7133126412	MCKINNEY	TX		04/10/2015		458,874							2,770	2,770			
PH7133128608	NATICK	MA		05/08/2015		520,784							2,886	2,886			



STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE B - PART 3

Showing All Mortgage Loans DISPOSED, Transferred or Repaid During the Current Quarter

1	Location		4	5	6	7	Change in Book Value/Recorded Investment						14	15	16	17	18
	2	3					8	9	10	11	12	13					
Loan Number	City	State	Loan Type	Date Acquired	Disposal Date	Book Value/Recorded Investment Excluding Accrued Interest Prior Year	Unrealized Valuation Increase (Decrease)	Current Year's (Amortization) /Accretion	Current Year's Other Than Temporary Impairment Recognized	Capitalized Deferred Interest and Other	Total Change in Book Value (8+9-10+11)	Total Foreign Exchange Change in Book Value	Book Value/Recorded Investment Excluding Accrued Interest on Disposal	Consid-eration	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal
PH7 133166889	MONTVILLE	NJ		07/24/2015		726,431							3,963	3,963			
PH7 133170196	UPTON	MA		04/24/2015		439,878							2,625	2,625			
PH7 133196597	VILLA PARK	CA		06/19/2015		532,066							15,082	15,082			
PH7 133197967	MAPLEWOOD	NJ		05/22/2015		547,587							3,112	3,112			
PH7 133201017	CORONA	CA		09/18/2015		559,978							3,010	3,010			
PH7 133201116	WESTFIELD	NJ		04/24/2015		637,978							3,435	3,435			
PH7 133232087	BRYN MAWR	PA		06/19/2015		503,863							211,496	211,496			
PH7 133299334	MERCER ISLAND	WA		04/24/2015		986,504							5,483	5,483			
PH7 133299482	HOLLIS HILLS	NY		05/22/2015		782,441							4,341	4,341			
PH7 133300769	FRISCO	TX		09/18/2015		498,448							2,621	2,621			
PH7 133300991	NICEVILLE	FL		07/24/2015		442,447							2,511	2,511			
PH7 133303037	NAPERVILLE	IL		08/21/2015		454,423							2,469	2,469			
PH7 133305354	SEATTLE	WA		05/08/2015		809,026							4,657	4,657			
PH7 133305800	SCOTTSDALE	AZ		04/24/2015		491,733							2,789	2,789			
PH7 133338314	SAN DIEGO	CA		10/29/2015		840,236							4,642	4,642			
PH7 133338546	MANCHESTER	MA		08/07/2015		582,963							3,323	3,323			
PH7 133340690	AUSTIN	TX		06/05/2015		716,385							3,890	3,890			
PH7 133340716	TUCSON	AZ		04/24/2015		429,125							2,492	2,492			
PH7 133341524	OAKDALE	CA		05/22/2015		495,989							2,732	2,732			
PH7 133343231	WOODINVILLE	WA		04/24/2015		550,696							3,034	3,034			
PH7 133365523	PONTE VEDRA BEACH	FL		05/22/2015		578,582							3,229	3,229			
PH7 133367032	TUCSON	AZ		06/05/2015		463,234							2,539	2,539			
PH7 133421086	HOUSTON	TX		06/05/2015		856,871							4,763	4,763			
PH7 133423496	WALL TOWNSHIP	NJ		07/24/2015		700,376							3,789	3,789			
PH7 133425574	SUMMIT	NJ		05/22/2015		866,286							4,715	4,715			
PH7 133461942	CRANBURY	NJ		02/12/2016		649,654							3,275	3,275			
PH7 133467899	BELLAIRE	TX		05/22/2015		701,179							3,836	3,836			
PH7 133508072	SAN DIEGO	CA		07/10/2015		451,625							2,415	2,415			
PH7 133510508	WAZATA	MN		07/10/2015		570,467							4,150	4,150			
PH7 133512777	DAVIS	CA		07/10/2015		512,433							2,847	2,847			
PH7 133513403	SAN DIEGO	CA		08/07/2015		568,956							2,950	2,950			
PH7 133513825	LOS ALAMITOS	CA		10/29/2015		656,941							3,443	3,443			
PH7 133548417	CARY	NC		06/19/2015		393,254							2,230	2,230			
PH7 133549670	MONTCLAIR	NJ		06/19/2015		474,328							2,608	2,608			
PH7 133701008	CHAGRIN FALLS	OH		07/10/2015		447,840							3,825	3,825			
PH7 133701495	ACTON	MA		09/18/2015		636,083							3,313	3,313			
PH7 133704077	NAPLES	FL		01/15/2016		614,667							3,291	3,291			
PH7 133705280	SYOSSET	NY		10/16/2015		609,943							4,909	4,909			
PH7 133737564	CARLISLE	PA		07/10/2015		461,476							2,675	2,675			
PH7 133739461	MILLBRAE	CA		07/10/2015		1,190,293							17,806	17,806			
PH7 133740049	CHANDLER	AZ		06/19/2015		461,822							5,067	5,067			
PH7 133740170	GLEN ROCK	NJ		07/24/2015		628,692							3,436	3,436			
PH7 133741137	MEDFORD	NJ		08/21/2015		442,398							2,344	2,344			
PH7 133780184	MOORESTOWN	NJ		08/21/2015		458,120							2,508	2,508			
PH7 133784905	FORT WORTH	TX		06/19/2015		399,266							7,673	7,673			
PH7 133785928	WESTFIELD	NJ		08/21/2015		508,012							2,706	2,706			
PH7 133788401	SPRING	TX		06/05/2015		607,031							3,304	3,304			
PH7 133822424	LA MESA	CA		07/24/2015		651,803							3,604	3,604			
PH7 133822515	CHATHAM	NJ		07/24/2015		1,472,817							7,803	7,803			
PH7 133823513	SOUTHLAKE	TX		06/05/2015		480,115							9,226	9,226			
PH7 133827027	PORTSMOUTH	RI		07/24/2015		431,012							2,309	2,309			
PH7 133827191	MANHASSET	NY		08/07/2015		764,226							4,692	4,692			
PH7 133827720	COLLEYVILLE	TX		07/10/2015		451,245							2,493	2,493			
PH7 133829791	FLOWER MOUND	TX		07/10/2015		423,408							2,327	2,327			
PH7 133864327	NEWCASTLE	WA		07/10/2015		633,598							3,577	3,577			
PH7 133864400	INDIAN LAND	SC		07/10/2015		396,765							3,003	3,003			
PH7 133865357	MAPLEWOOD	NJ		07/24/2015		565,211							3,016	3,016			
PH7 133866298	WYNEWOOD	PA		07/24/2015		618,232							3,393	3,393			
PH7 133871447	NORTH CALDWELL	NJ		08/07/2015		510,076							2,668	2,668			
PH7 133904875	BELMONT	MA		09/18/2015		614,734							3,285	3,285			

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE B - PART 3

Showing All Mortgage Loans DISPOSED, Transferred or Repaid During the Current Quarter

1	Location		4	5	6	7	Change in Book Value/Recorded Investment					14	15	16	17	18	
	2	3					8	9	10	11	12	13					
Loan Number	City	State	Loan Type	Date Acquired	Disposal Date	Book Value/Recorded Investment Excluding Accrued Interest Prior Year	Unrealized Valuation Increase (Decrease)	Current Year's (Amortization) /Accretion	Current Year's Other Than Temporary Impairment Recognized	Capitalized Deferred Interest and Other	Total Change in Book Value (8+9-10+11)	Total Foreign Exchange Change in Book Value	Book Value/Recorded Investment Excluding Accrued Interest on Disposal	Consid-eration	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal
PH7133924352	WHITE PLAINS	NJ		09/18/2015		458,980							2,333	2,333			
PH7133925177	WESTFIELD	NJ		08/21/2015		451,916							2,395	2,395			
PH7134018154	CERRITOS	CA		07/24/2015		751,259							4,641	4,641			
PH7134018576	SAN MATEO	CA		12/11/2015		814,884							4,337	4,337			
PH7134019533	HOLMDEL	NJ		09/18/2015		747,500							3,964	3,964			
PH7134020176	TROPHY CLUB	TX		07/24/2015		462,025							2,484	2,484			
PH7134022768	SMITHTOWN	NY		09/18/2015		587,082							8,446	8,446			
PH7134062202	WESTFIELD	NJ		07/24/2015		499,642							2,735	2,735			
PH7134062590	FAIRFIELD	CA		08/21/2015		562,002							3,002	3,002			
PH7134065601	DAVIE	FL		08/21/2015		677,061							3,603	3,603			
PH7134066039	MOUNT LAUREL	NJ		09/18/2015		399,365							5,561	5,561			
PH7134069736	MENDHAM	NJ		08/21/2015		616,205							3,554	3,554			
PH7134102461	WESTFIELD	NJ		08/21/2015		828,362							4,325	4,325			
PH7134103667	PRINCETON	NJ		10/16/2015		900,385							4,707	4,707			
PH7134104392	AVON	CO		08/07/2015		614,623							3,180	3,180			
PH7134106454	LARCHMONT	NY		09/18/2015		612,139							3,085	3,085			
PH7134107569	WEST CHESTER	PA		09/18/2015		443,403							2,366	2,366			
PH7134110944	CUMBERLAND	RI		08/07/2015		404,165							3,501	3,501			
PH7134142632	LAKE BLUFF	IL		10/16/2015		501,667							2,665	2,665			
PH7134162812	REDMOND	WA		08/21/2015		562,007							3,002	3,002			
PH7134163687	RYE BROOK	NY		09/18/2015		844,056							4,469	4,469			
PH7134198154	REDMOND	WA		08/21/2015		629,998							3,353	3,353			
PH7134198915	WESTON	FL		09/18/2015		447,930							2,716	2,716			
PH7134219836	TENAFLY	NJ		09/18/2015		787,336							4,110	4,110			
PH7134221402	SUMMIT	NJ		09/29/2015		1,246,214							6,634	6,634			
PH7134254395	WESTMINSTER	CO		12/11/2015		473,002							2,377	2,377			
PH7134270151	OWENS CROSS ROADS	AL		08/21/2015		489,368							2,569	2,569			
PH7134271498	WINTER GARDEN	FL		09/18/2015		433,391							2,416	2,416			
PH7134271704	WESTFIELD	NJ		09/18/2015		571,232							3,462	3,462			
PH7134272678	PARAMUS	NJ		09/18/2015		693,298							3,732	3,732			
PH7134275929	FREMONT	CA		10/29/2015		515,427							2,601	2,601			
PH7134310114	SAN RAMON	CA		10/16/2015		711,633							3,613	3,613			
PH7134348098	MOUNTAIN BRK	AL		09/18/2015		420,043							2,285	2,285			
PH7134457824	TUCSON	AZ		09/18/2015		411,258							6,718	6,718			
PH7134457956	RALEIGH	NC		09/18/2015		550,293							2,893	2,893			
PH7134458079	GOODYEAR	AZ		12/11/2015		415,451							2,202	2,202			
PH7134461867	SAINT CHARLES	IL		09/18/2015		433,768							2,304	2,304			
PH7134462972	FEDERAL WAY	WA		09/18/2015		552,196							4,746	4,746			
PH7134522817	ANDOVER	MA		02/12/2016		377,040							4,418	4,418			
PH7134674477	STAMFORD	CT		11/13/2015		837,508							4,664	4,664			
PH7134676084	COMMACK	NY		11/13/2015		496,864							2,610	2,610			
PH7134676589	CENTENNIAL	CO		09/29/2015		584,408							3,062	3,062			
PH7134678882	PRINCETON	NJ		12/11/2015		524,212							3,035	3,035			
PH7134682256	MAPLEWOOD	NJ		11/13/2015		451,470							2,258	2,258			
PH7134714778	TUCSON	AZ		10/16/2015		501,333							3,813	3,813			
PH7134718399	BERWYN	PA		10/16/2015		659,240							3,570	3,570			
PH7134723019	WESTPORT	CT		12/23/2015		836,451							4,597	4,597			
PH7134723191	HOWELL	MI		12/11/2015		461,296							3,065	3,065			
PH7134723431	PARKER	CO		10/29/2015		446,439							2,354	2,354			
PH7134796304	ALEXANDRIA	VA		12/11/2015		585,859							3,011	3,011			
PH7134797963	HIGHLANDS RANCH	CO		10/29/2015		417,734							2,308	2,308			
PH7134800122	WESTFIELD	NJ		12/11/2015		507,735							2,661	2,661			
PH7134805360	WESTFORD	MA		03/11/2016		563,383							2,926	2,926			
PH7134840003	TAMPA	FL		10/29/2015		542,769							2,913	2,913			
PH7134840169	ARLINGTON	VA		10/16/2015		678,802							7,798	7,798			
PH7134842676	ARLINGTON	VA		11/13/2015		535,891							3,235	3,235			
PH7134844278	HALF MOON BAY	CA		01/28/2016		476,574							6,147	6,147			
PH7134891295	MCKINNEY	TX		10/16/2015		426,781							7,578	7,578			
PH7134949747	DENVER	CO		12/11/2015		458,529							4,289	4,289			
PH7134951453	WOODCLIFF LAKE	NJ		12/11/2015		605,531							3,102	3,102			

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE B - PART 3

Showing All Mortgage Loans DISPOSED, Transferred or Repaid During the Current Quarter

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	2	3					8	9	10	11	12	13					
Loan Number	City	State	Loan Type	Date Acquired	Disposal Date	Book Value/Recorded Investment Excluding Accrued Interest Prior Year	Unrealized Valuation Increase (Decrease)	Current Year's (Amortization) /Accretion	Current Year's Other Than Temporary Impairment Recognized	Capitalized Deferred Interest and Other	Total Change in Book Value (8+9-10+11)	Total Foreign Exchange Change in Book Value	Book Value/Recorded Investment Excluding Accrued Interest on Disposal	Consid-eration	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal
PH7134953244	MALVERN	PA		12/11/2015		510,500							2,710	2,710			
PH7135019193	ARLINGTON	VA		01/15/2016		897,917							4,811	4,811			
PH7135056070	TRAFFORD	PA		04/22/2016		545,601							6,660	6,660			
PH7135074651	HOCKLEY	TX		03/25/2016		434,700							5,524	5,524			
PH7135083538	LAFAYETTE	CO		01/15/2016		415,950							2,560	2,560			
PH7135132293	TUCSON	AZ		01/15/2016		721,248							3,929	3,929			
PH7135211105	PLEASANTON	CA		12/11/2015		723,455							3,983	3,983			
PH7135240666	NAPLES	FL		03/11/2016		464,009							2,436	2,436			
PH7135281728	MOUNT PLEASANT	SC		12/23/2015		453,460							2,399	2,399			
PH7135288749	NEEDHAM	MA		12/23/2015		774,307							4,407	4,407			
PH7135338270	PLANDOME	NY		12/11/2015		949,564							5,002	5,002			
PH7135338999	SCOTTSDALE	AZ		01/15/2016		587,541							3,069	3,069			
PH7135348469	AUSTIN	TX		01/26/2016		598,451							3,032	3,032			
PH7135353089	AURORA	CO		03/25/2016		486,982							2,524	2,524			
PH7135362676	FLEMINGTON	NJ		04/08/2016		610,102							3,157	3,157			
PH7135395585	FAIR HAVEN	NJ		04/08/2016		782,533							4,305	4,305			
PH7135399710	SUMMIT	NJ		01/15/2016		685,964							3,695	3,695			
PH7135406804	CARLSBAD	CA		01/15/2016		906,104							4,856	4,856			
PH7135532245	CLAREMONT	CA		02/12/2016		637,562							3,212	3,212			
PH7135549470	GREENWOOD VILLAGE	CO		01/28/2016		719,973							3,689	3,689			
PH7135556475	RIPON	CA		01/28/2016		605,002							5,360	5,360			
PH7135941057	NEEDHAM	MA		02/12/2016		646,152							4,612	4,612			
PH7136100851	CAMBRIA	CA		04/08/2016		630,375							3,110	3,110			
PH7136104622	TUCSON	AZ		02/12/2016		567,522							3,373	3,373			
PH7136358939	BOCA RATON	FL		03/25/2016		548,247							2,728	2,728			
PH7136393464	ENGLEWOOD	CO		03/25/2016		626,680							3,257	3,257			
PH7136743734	LIVERMORE	CA		04/22/2016		695,832							3,791	3,791			
PH7136885105	MOORESTOWN	NJ		04/08/2016		477,196							2,600	2,600			
0299999. Mortgages with partial repayments						8,293,548,395							56,294,863	56,294,863			
EB1596053997	HOUSTON	TX		12/16/2016		901,700		(16,156)			(16,156)		885,544	901,371		15,827	15,827
0499999. Mortgages transferred						901,700		(16,156)			(16,156)		885,544	901,371		15,827	15,827
0599999 - Totals						8,418,438,354		(135,656)			(135,656)		180,129,543	180,415,825		18,480	18,480

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE BA - PART 2

Showing Other Long-Term Invested Assets ACQUIRED AND ADDITIONS MADE During the Current Quarter

1	2	Location		5	6	7	8	9	10	11	12	13
		3	4									
CUSIP Identification	Name or Description	City	State	Name of Vendor or General Partner	NAIC Designation and Administrative Symbol/Market Indicator	Date Originally Acquired	Type and Strategy	Actual Cost at Time of Acquisition	Additional Investment Made After Acquisition	Amount of Encumbrances	Commitment for Additional Investment	Percentage of Ownership
88873*-10-9	TIAA Global Public Investments, LLC	Wilmington	DE	TIAA		01/31/2009			1,011,536			100.000
12496#-10-2	COM Series 2, LLC	Wilmington	DE	Covariance Capital Management, Inc.	2	06/30/2011			60,129			100.000
000000-00-0	TIAA Diversified Public Investments LLC	Wilmington	DE	TIAA		07/16/2015			24,615			100.000
1499999	Joint Venture Interests - Fixed Income - Affiliated								1,096,280			XXX
000000-00-0	APIS GROWTH FUND II L.P.	London	GBR	Apis Partners LLP		10/17/2018			149,589		29,017,751	18.158
000000-00-0	Aavishkaar Emerging India Fund	Ebene	MUS	Aavishkaar Venture Managment Services Pvt. Ltd.		11/15/2017			524,999		9,123,003	32.680
000000-00-0	Aavishkaar India II Company Ltd.	Port Louis	MUS	Aavishkaar Venture Managment Services Pvt. Ltd.		07/26/2013			44,000			10.659
000000-00-0	Accion Frontier Inclusion Fund, L.P.	George Town	CYM	Quona Capital, LLC		11/16/2015			650,984		2,209,109	7.050
000000-00-0	Albert Co-Investment Holdings L.P.	Grand Cayman	CYM	Rhone Capital		01/16/2015	3		980,616		1,283,815	20.000
000000-00-0	Alisio Holdings, LP	Wilmington	DE	Harvest Partners, Inc.		11/15/2016	3		202,800		1,080,496	4.490
000000-00-0	Altas Partners Holdings II LP	Grand Cayman	CYM	Altas Partners LP		04/09/2019	3	1,611,483			38,437,489	2.000
000000-00-0	American Industrial Partners V	Wilmington	DE	American Industrial Partners GP, LLC		12/29/2011			174,652		1,095,958	6.121
000000-00-0	Audax Private Equity Fund IV, L.P.	Wilmington	DE	Audax Management Company, L.L.C.		01/18/2013	3		195,972			3.780
000000-00-0	Audax Private Equity Fund V, L.P.	Wilmington	DE	Audax Management Company, L.L.C.		01/25/2016	3		2,695,260		12,028,699	3.270
000000-00-0	Aurora Capital Partners IV, LP	Wilmington	DE	Aurora Capital Group		11/15/2012	3		1,679,837		7,036,988	7.949
000000-00-0	Aurora Equity Partners V L.P.	Dover	DE	Aurora Capital Group		06/10/2016	3		354,296		28,387,856	5.050
000000-00-0	Avista Capital Partners IV LP	Wilmington	DE	Avista Capital Partners IV GP LP		01/22/2018	3		3,664,315		7,377,181	10.300
000000-00-0	AxInfra LP	Wilmington	DE	Axium Infrastructure		12/19/2018			175,395		19,203,622	2.344
000000-00-0	BDCM Opportunity Fund III, LP	Wilmington	DE	Black Diamond Capital Management, LLC		03/31/2006			84,268		1,698,086	4.073
000000-00-0	BDCM Opportunity Fund III, L.P.	Wilmington	DE	Black Diamond Capital Management, LLC		06/21/2011			195,347		416,107	1.875
000000-00-0	BERTRAM GROWTH CAPITAL III ANNEX FUND, L.P.	Wilmington	DE	Bertram Growth Capital III Annex Fund		06/11/2019	3	8,308,095			6,691,905	15.000
000000-00-0	Bain Capital Venture Fund 2019, L.P.	George Town	CYM	Bain Capital		01/02/2019	1		1,212,500		3,550,000	1.000
000000-00-0	Beecken Petty O'Keefe Fund IV LP	Wilmington	DE	Beecken Petty O'Keefe & Co LLC		12/13/2013	3		231,230			5.960
000000-00-0	Berkshire Partners Fund VIII, L.P.	Wilmington	DE	Berkshire Associates LLC		08/25/2011	3		407,239		838,120	0.337
000000-00-0	Bertram Growth Capital III, LP	Wilmington	DE	Bertram Growth Capital III GP, L.P.		11/30/2016	3		649,948		4,569,177	8.100
000000-00-0	Bison Capital Partners V, L.P.	Wilmington	DE	Bison Capital Asset Management, LLC		09/18/2017	2		4,816,791		16,024,751	7.810
000000-00-0	Blackstone Capital Partners V, L.P.	Wilmington	DE	Blackstone Group		02/06/2006	3		2,649		8,764,529	0.803
000000-00-0	Blue Point Capital Partners IV, L.P.	Wilmington	DE	Blue Point Capital Partners, LLC		08/24/2018	3		4,311,757		24,939,810	6.740
000000-00-0	Blue Road Capital, L.P.	Wilmington	DE	Blue Road Management, LP		08/15/2014			357,222		11,931,936	11.889
000000-00-0	Brentwood Associates Private Equity V, L.P.	Wilmington	DE	Brentwood Associates		10/07/2014	3		75,867		3,184,841	5.385
000000-00-0	Brentwood Associates Private Equity VI, LP	Wilmington	DE	Brentwood Associates		12/27/2017	3		1,297,518		30,658,888	3.182
000000-00-0	COMP Capital Investors III, LP	Wilmington	DE	COMP Capital Advisors, LLC		08/14/2014	3		4,152,594		4,307,319	1.192
000000-00-0	CG EQUITY INVESTORS, LP	Wilmington	DE	Gridiron Capital LLC		04/30/2019	3	5,000,000				2.050
000000-00-0	CIP Capital Fund II, L.P.	Wilmington	DE	CIP Management		08/18/2016	3		4,935,789		10,766,836	11.730
000000-00-0	CIP Capital Fund, LP	Wilmington	DE	Compass Investment Management LLC		05/24/2012	3		1,531,574		956,354	17.376
000000-00-0	CIRCULARITY GP I LLP	London	GBR	Circularity Capital LLP		10/26/2018			407,141		9,733,518	19.011
000000-00-0	Calera Capital Partners V, L.P.	Wilmington	DE	Calera Capital		04/25/2016	3		877,512		13,662,351	7.430
000000-00-0	Calera XXI, LLC	Wilmington	DE	Calera Capital		10/17/2018	3		1,293,261		766,038	13.610
000000-00-0	Capital Partners Private Equity Income Fund II Inst., L.P.	Wilmington	DE	Capital Partners		02/03/2014	3		337,558		1,581,825	5.555
000000-00-0	Carousel Capital Partners V, L.P.	Charlotte	NC	Carousel Capital Management Company, L.P.		02/15/2017	3		265,321		21,537,637	7.500
000000-00-0	Catterton Partners VII, LP	Wilmington	DE	Catterton Partners		03/19/2013	3		182,285		11,035,745	2.976
000000-00-0	CenterOak Equity Fund I, L.P.	Dover	DE	CenterOak Partners, LLC		12/29/2015	3		6,124,492		10,573,591	10.952
000000-00-0	Clarendon Capital Fund I, LP	Wilmington	DE	Clarendon Capital, LLC		07/23/2018	3		3,966,942		15,956,971	14.286
000000-00-0	Clayton, Dubilier & Rice Fund IX, LP	George Town	CYM	Clayton, Dubilier & Rice		11/21/2013	3		835,593		2,167,067	0.526
000000-00-0	Clayton, Dublier & Rice X, L.P.	George Town	CYM	Clayton, Dubilier & Rice		03/27/2018	3		3,666,120		18,630,591	0.342
000000-00-0	Court Square Capital Partners III, LP	Wilmington	DE	Court Square Capital Partners		05/29/2013	3		2,701,820		3,114,194	2.682
000000-00-0	Creation Investments Social Ventures Fund III	Wilmington	DE	Creation Investments Capital Management, LLC		07/21/2015			980,000		1,000,000	16.000
000000-00-0	EagleTree Partners IV, LP	Dover	DE	Wasserstein & Co.		06/01/2016	3		694,306		15,297,230	9.697
000000-00-0	Eagletree-Airtech Investment, L.P.	Wilmington	DE	EagleTree		02/01/2018	3		3,429			4.706
000000-00-0	Elevar Equity IV, L.P.	Georgetown	CYM	Elevar Equity		01/29/2018			1,650,000		10,080,000	42.614
000000-00-0	Emerging Consumer Payments Ltd.	Ebene	MUS	LeapFrog Investments Ltd		04/05/2018			527,999		1,172,001	19.810
000000-00-0	Energy & Minerals Group Fund III, L.P.	Wilmington	DE	EMG Investments, LLC		06/29/2011			61,191		312,156	1.510
000000-00-0	Energy & Minerals Group Fund III, L.P.	Wilmington	DE	Energy & Minerals Group		01/16/2014			193,131		2,453,333	1.400
000000-00-0	Energy & Minerals Group Fund IV, L.P.	Wilmington	DE	The Energy & Minerals Group		10/29/2015			1,432,571		12,985,980	2.290
000000-00-0	FFL Capital Partners IV, LP	Grand Cayman	CYM	Friedman Fleischer & Lowe, LLC		03/27/2015	3		2,419,367		8,077,372	4.350
000000-00-0	Falcon Strategic Partners V, L.P.	Wilmington	DE	Falcon Investment Advisors, LLC		06/13/2016	2		4,924,414		17,936,959	3.970
000000-00-0	Falcon Structured Equity Partners, LP	Wilmington	DE	Falcon Investment Advisors, LLC		05/06/2019	2	6,910,384			23,089,616	5.000
000000-00-0	Fengate Core Infrastructure Fund III (U.S.) L.P.	Oakville	CAN	Fengate		06/05/2019		2,960,363	2,980,968		19,058,669	3.125
000000-00-0	Freedom 3 Investments III, LP	Wilmington	DE	Freedom 3 Capital, LLC		03/21/2018	2		2,400,000		6,745,663	10.482

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE BA - PART 2

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000000-00-0	Frontier Fund IV, LP	Wilmington	DE	Frontier Capital		03/30/2015	3		1,725,104		1,040,858	6.396
000000-00-0	Frontier Fund V, LP	Wilmington	DE	Frontier Capital		11/21/2017	3		2,569,713		9,250,565	4.161
000000-00-0	GI Partners Fund IV L.P.	Wilmington	DE	GI Partners		01/24/2014	3		171,033		976,056	1.961
000000-00-0	GenNx360 Capital Partners II, L.P.	Wilmington	DE	GenNx360 Management Company, LLC		05/12/2014	3		250,479		3,250,323	6.535
000000-00-0	GenNx360 Capital Partners III, L.P.	Wilmington	DE	GenNx360 Management Company, LLC		10/31/2018	3		559,003		38,530,508	6.667
000000-00-0	Genstar Capital Partners VII, LP	Wilmington	DE	Genstar Capital Partners LLC		10/01/2015	3		79,519		1,563,172	1.240
000000-00-0	Goldner Hawn Fund VII, LP	Wilmington	DE	Goldner Hawn LP		04/29/2019	3	4,672,308			25,327,692	10.000
000000-00-0	Greenbriar Equity Fund IV, L.P.	Wilmington	DE	Greenbriar Equity Group		12/14/2018	3		9,280,916		23,342,414	12.390
000000-00-0	Gridiron Capital Fund III, L.P.	Wilmington	DE	Gridiron Capital		04/06/2015	3		5,963,714		8,533,870	4.706
000000-00-0	Growth Catalyst Partners LLC	Port Louis	MUS	Global Impact Advisor LLC		06/08/2016			1,576,639		2,447,639	15.625
000000-00-0	Harvest Partners Structured Capital Fund I	Wilmington	DE	Harvest Partners, Inc.		04/15/2015	2		3,900,703		4,580,009	10.636
000000-00-0	Harvest Partners VI, L.P.	Wilmington	DE	Harvest Partners, Inc.		11/28/2011	3		33,716		3,669,510	4.444
000000-00-0	Harvest Partners VII, L.P.	Wilmington	DE	Harvest Partners, Inc.		09/28/2016	3		9,913,087		13,564,264	2.217
000000-00-0	ICV Partners III, LP	Wilmington	DE	ICV Capital Partners, LLC		04/17/2014	3		338,548		685,577	5.000
000000-00-0	ICV SGDL CO-INVESTMENT HOLDINGS LLC	Wilmington	DE	ICV Capital Partners, LLC		12/07/2016	3		1,757,737			15.970
000000-00-0	IFHA-II Cooperatief U.A.	Amsterdam	NLD	African Health Systems Management Company B.V.		06/25/2015			26,756		4,126,519	6.689
000000-00-0	Industrial Growth Partners IV, L.P.	Wilmington	DE	IGP Capital Partners		10/21/2011	3		296,796		4,523,099	5.000
000000-00-0	Industrial Growth Partners V, L.P.	Wilmington	DE	IGP Capital Partners		07/01/2016	3		136,892		16,731,427	3.750
000000-00-0	Insignia Capital Partners, LP	Wilmington	DE	Insignia Capital Group, LLC		06/27/2014	3		498,922		11,451,279	11.624
000000-00-0	KNEL Holdings, Ltd.	George Town	CYM	Kohlberg & Company, LLC		12/23/2014	3		387,404			3.941
000000-00-0	Kaizen Private Equity II Pte. Ltd.	Singapore	SGP	Kaizen Management Advisors		03/23/2017			1,419,204		5,299,558	18.209
000000-00-0	Kelso Fund VIII	Wilmington	DE	Kelso & Company		11/29/2007	3		5,661		14,899,583	2.050
000000-00-0	Kelso Investment Associates IX, L.P.	Dover	DE	Kelso & Company		11/23/2015	3		733,058		9,274,462	1.600
000000-00-0	Kelso Investment Associates X, L.P.	Dover	DE	Kelso & Company		12/13/2018	3		1,510		36,682,677	1.600
000000-00-0	Kelso Watchtower Co-Investment, L.P.	Dover	DE	Kelso & Company		06/27/2019	3	10,000,000				1.766
000000-00-0	Kelso Yellowrose Co-Investment, L.P.	Wilmington	DE	Kelso & Company		10/14/2015			13,848		7,223,223	34.400
000000-00-0	Kohlberg Investors VIII, L.P.	Wilmington	DE	Kohlberg & Company, LLC		08/30/2017	3		6,302,331		27,305,877	14.630
000000-00-0	L Catterton Growth Partners III	Wilmington	DE	Catterton Partners		02/25/2016	3		619,373		3,582,134	2.439
000000-00-0	L Catterton VIII, L.P.	Wilmington	DE	Catterton Partners		06/13/2017	3		5,698,820		21,268,380	1.818
000000-00-0	LEEDS EQUITY PARTNERS VI, L.P.	Wilmington	DE	Leeds Equity Associates VI, LP		05/30/2018	3		4,954,671		18,207,712	5.377
000000-00-0	LNK Partners II, L.P.	Wilmington	DE	LNK Partners, LP		01/03/2012	3		144,200		604,455	7.728
000000-00-0	LeapFrog Emerging Consumer III, LP	Ebene	MUS	LeapFrog Investments Ltd		12/28/2017			663,690		14,490,235	4.710
000000-00-0	LeapFrog Financial Inclusion Fund II, LP	Port Louis	MUS	LeapFrog Investments Ltd		11/19/2013			315,933		1,326,564	5.000
000000-00-0	Lime Rock Resources IV	George Town	CYM	Lime Rock Resources		06/13/2016			89,980		10,781,697	5.740
000000-00-0	Littlejohn Fund IV, L.P.	Wilmington	DE	Littlejohn & Co., L.L.C.		04/29/2010			112,832		2,335,262	4.141
000000-00-0	MANDALA AG SPV	Port Louis	MUS	Mandala Agribusiness Fund		11/29/2013			186,435		274,518	25.000
000000-00-0	MIDDLEGROUND PARTNERS I, L.P.	Wilmington	DE	MiddleGround Management, LP		03/22/2019	3		170,922		19,235,811	5.882
000000-00-0	MP Holdco LLC	Wilmington	DE	MS Capital Partners Adviser Inc.		12/08/2017	3		2,500,000		952,718	8.257
000000-00-0	Madison Dearborn Capital Partners VII, L.P.	Wilmington	DE	Madison Dearborn Partners, Inc.		12/17/2015	3		2,889,413		15,357,528	0.902
000000-00-0	Main Post Growth Capital II, L.P.	Wilmington	DE	Main Post Growth Management II, LLC		06/25/2019	3	3,470,053			26,529,947	4.286
000000-00-0	Main Post Growth Fund I, LP	Wilmington	DE	Main Post Growth		07/30/2015	3		4,376,655		8,339,864	7.500
000000-00-0	Mandala Agribusiness Fund	Port Louis	MUS	Mandala Agribusiness Fund		09/06/2013			1,611,470		684,660	38.600
000000-00-0	Mandala FF SPV	Port Louis	MUS	Mandala		12/17/2015			259,654		4,916,083	23.100
000000-00-0	Mandala Food Fund II	Port Louis	MUS	Mandala		12/17/2015			338,442		8,509,844	21.320
000000-00-0	Marlin Equity III, L.P.	Wilmington	DE	Marlin Equity Partners, LLC		07/20/2010			5,522		113,293	0.986
000000-00-0	MeritDirect Holdings, LP	Wilmington	DE	MeritDirect, LLC		06/14/2019	3	5,554,988				7.008
000000-00-0	Mesa Acquisition Corp, LLC	Wilmington	DE	Palladium Capital Management V, LLC		03/22/2019	3		10,160			2.576
000000-00-0	MidOcean Partners V, LP	Wilmington	DE	MidOcean US Advisor, LP		04/26/2018	3		4,078,046		23,671,203	4.000
000000-00-0	Midcoean Prepaid Holdings, L.P.	Wilmington	DE	Stone Point Capital LLC		04/27/2018	3		107			8.027
000000-00-0	Mill Co-Investment Holdings, LP	George Town	CYM	Rhone Capital		06/26/2013	3		34,097		830,223	12.290
000000-00-0	Mountaingate Capital Fund I, LP	Wilmington	DE	Mountaingate Capital Management, LP		07/26/2017	3		3,155,809		10,568,948	7.595
000000-00-0	NGP Natural Resources Fund X, L.P.	Wilmington	DE	NGP Energy Capital Management, LLC		01/27/2012			340,562		1,983,618	1.394
000000-00-0	Nautic Partners VIII, L.P.	Wilmington	DE	Nautic Partners		12/14/2016	3		2,426,791		17,963,062	6.167
000000-00-0	New Mountain Partners IV, LP	Wilmington	DE	New Mountain Capital LLC		12/10/2014	3		142,309		4,445,468	0.997
000000-00-0	NexPhase Capital Fund III, LP	Wilmington	DE	NexPhase Capital		09/20/2016	3		3,046,461		8,304,215	22.516
000000-00-0	North Haven Capital Partners VI LP	Wilmington	DE	MS Capital Partners Adviser Inc.		10/16/2015	3		3,654,329		16,809,367	3.540
000000-00-0	Oak Hill Capital Partners IV (Onshore), L.P.	George Town	CYM	OHCP GenPar IV, L.P.		05/12/2017	3		3,390,999		10,521,557	1.881
000000-00-0	One Equity Partners VII, L.P.	Grand Cayman	CYM	OEP Capital Advisors, L.P.		04/17/2019	3	7,056,947	8,189,970		25,051,435	2.286
000000-00-0	OrbiMed Royalty Opportunities II	Wilmington	DE	OrbiMed Advisors		04/08/2015	1		485,536		7,103,384	1.667

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000000-00-0	PPC Fund II, LP	Wilmington	DE	PPC Partners		04/26/2018	3		197,962		32,527,950	7.548
000000-00-0	PWP Growth Equity Fund II LP	Wilmington	DE	Perella Weinberg Partners Capital Management, LP		02/28/2018	3		779,660		21,246,655	4.667
000000-00-0	Pacific Equity Partners Fund V, L.P.	Wilmington	DE	Pacific Equity Partners		02/13/2015	3		134,021		9,224,334	1.783
000000-00-0	Palladium Equity Partners IV, L.P.	Wilmington	DE	Palladium Equity Partners		05/06/2014	3		430,416		5,652,216	3.503
000000-00-0	Pamlico Capital IV, L.P.	Wilmington	DE	Pamlico Capital Management, LP		12/20/2017	3		6,422,723		15,982,135	4.396
000000-00-0	Pegasus Partners V, L.P.	Wilmington	DE	Pegasus Capital Advisors, L.P.		05/10/2012	3		321,146		674,528	6.413
000000-00-0	Pine Brook Capital Partners II, L.P.	Wilmington	DE	Pine Brook Road Partners		11/01/2013			528,932		2,238,553	1.030
000000-00-0	Pine Brook Capital Partners, L.P.	Wilmington	DE	Pine Brook Capital Partners		10/08/2008			23,910		3,073,242	4.350
000000-00-0	Pitango Venture Capital Fund V, LP	George Town	CYM	Polaris Venture Capital L.L.C.		08/15/2007	1		250,000		530,587	7.553
000000-00-0	Providence Equity Partners VI, L.P.	Wilmington	DE	Providence Equity Partners		03/16/2007	3		71,233		4,810,306	0.827
000000-00-0	Providence Equity Partners VII, L.P.	George Town	CYM	Providence Equity Partners		05/09/2012	3		1,448,967		9,027,147	0.990
000000-00-0	Prudential Capital Partners V, L.P.	Wilmington	DE	Prudential Investment Management, Inc		04/21/2017	2		2,662,792		17,777,555	2.192
000000-00-0	Quadria Capital Fund II LP	Singapore	SGP	Quadria Capital Investment Management Pte. Ltd		06/27/2019		456,821			29,543,179	50.000
000000-00-0	Quadria Capital Fund L.P.	George Town	CYM	Quadria Capital Investment Management Pte. Ltd		06/19/2015			292,917			6.670
000000-00-0	RPC Equity Investors, LLC	Wilmington	DE	Gridiron Capital LLC		06/28/2019	3	6,400,000				4.676
000000-00-0	RRE Ventures VII, L.P.	Wilmington	DE	RRE Investors		09/26/2017	1		918,965		5,810,405	4.100
000000-00-0	Resolute Fund II, LP	Wilmington	DE	The Jordan Company		10/15/2007	3		7,182		5,866,313	1.817
000000-00-0	Revelstoke Capital Partners Fund II, L.P.	Wilmington	DE	Revelstoke Capital Management		07/23/2018	3		12,886,666		24,660,194	13.190
000000-00-0	Rhone Partners IV, L.P.	Wilmington	DE	Rhone Capital		05/15/2012	3		488,267		2,078,116	2.000
000000-00-0	Rhone Partners V, L.P.	George Town	CYM	Rhone Capital		07/22/2015	3		162,263		17,143,991	2.188
000000-00-0	Ridgemont Equity Partners Energy Opportunity Fund, L.P.	Wilmington	DE	Ridgemont Equity Partners		06/19/2017	3		531,250		6,783,343	3.361
000000-00-0	Ridgemont Equity Partners I, LP	Wilmington	DE	Ridgemont Equity Partners		03/29/2012	3				2,719,197	13.301
000000-00-0	Ridgemont Equity Partners II, LP	Wilmington	DE	Ridgemont Equity Partners		11/30/2015	3		3,412,093		12,728,784	5.559
000000-00-0	Riverside Capital Appreciation Fund VI, LP	Wilmington	DE	The Riverside Company		12/06/2013	3		1,722,761		5,928,535	3.333
000000-00-0	Riverside Capital Appreciation Fund VII, LP	Wilmington	DE	Riverside Co.		04/22/2019	3	5,149,366			44,850,634	3.333
000000-00-0	Riverside Strategic Capital Fund I, L.P.	Wilmington	DE	Riverside Co.		10/20/2015	2		1,112,780		12,151,087	7.568
000000-00-0	SKYKNIGHT CAPITAL FUND II, L.P.	Wilmington	DE	SkyKnight Capital II GP, LLC		09/12/2018	3		3,933,596		2,724,196	10.000
000000-00-0	Stonepeak Infrastructure Fund II, L.P.	Wilmington	DE	Stonepeak Associates II		02/12/2016			1,990,357		4,650,282	0.710
000000-00-0	Summit Park III, L.P.	Dover	DE	Summit Park, LLC		01/23/2019	3		1,405,348		12,412,575	6.667
000000-00-0	Sverica Capital Partners IV, LP	Wilmington	DE	Sverica Capital Management, LLC		10/13/2015	3		2,238,000		7,592,409	7.036
000000-00-0	TAILWIND DISTINCT INVESTOR, LP	Wilmington	DE	Tailwind Capital Partners		03/30/2016	3		4,849			6.928
000000-00-0	TWC Transflo Co-Invest, L.P.	Wilmington	DE	True Wind Capital Management, LLC		11/15/2017	3		41,537			46.774
000000-00-0	Tailwind Capital Partners II, L.P.	Wilmington	DE	Tailwind Capital Partners		05/15/2015	3		245,982		5,415,936	3.158
000000-00-0	Tailwind Capital Partners III, L.P.	Wilmington	DE	Tailwind Capital Partners		09/27/2018	3		1,053,747		33,091,763	3.370
000000-00-0	TechEnable Group, LLC	Wilmington	DE	Falfurrias Equity Partners III, LLC		04/08/2019	2	806,723				1.340
000000-00-0	The Resolute Fund IV, L.P.	Wilmington	DE	Resolute Fund Partners IV, L.P.		12/07/2018	3		4,590,126		33,836,594	1.250
000000-00-0	TorQuest Partners Fund IV, LP	Toronto	CAN	TorQuest Partners		08/31/2016	3		2,057,239		9,847,253	3.240
000000-00-0	Trident VI, L.P.	George Town	CYM	Stone Point Capital LLC		09/12/2014	3		961,772		3,941,205	1.244
000000-00-0	Trilantic Capital Partners V	Wilmington	DE	Trilantic Capital Management, LLC		05/01/2013	3		900,322		4,040,929	2.404
000000-00-0	Trinity Hunt Partners IV	Wilmington	DE	Trinity Hunt Partners		11/05/2012	3		78,912		6,070,562	14.244
000000-00-0	Trinity Hunt Partners V, LP	Wilmington	DE	THPV, LP		01/17/2018	3		609,379		25,534,113	10.000
000000-00-0	True Wind Capital, L.P.	Wilmington	DE	True Wind Capital Management, LLC		03/10/2017	3		833,434		21,656,196	7.407
000000-00-0	Vertical Venture Partners II, L.P.	Wilmington	DE	Vertical Venture Partners, LLC		08/21/2018	1		1,000,000		7,000,000	20.280
000000-00-0	Warburg Pincus Private Equity XII, L.P.	Wilmington	DE	Warburg Pincus LLC		01/19/2016	3		2,106,000		8,521,500	0.312
000000-00-0	Wellspring Capital Partners VI, L.P.	Ugland House	CYM	Wellspring Capital Management		04/27/2018	3		6,458,865		28,658,937	2.827
000000-00-0	Welsh, Carson, Anderson, and Stowe XII, L.P.	Wilmington	DE	WCAS XII Associates LLC		08/26/2015	3		4,087,010		4,834,775	0.951
000000-00-0	White Deer Energy II, L.P.	George Town	CYM	White Deer Energy		03/22/2013			404,430		4,798,100	1.797
000000-00-0	White Deer Energy, L.P.	George Town	CYM	White Deer Energy		10/30/2009			479,684		14,329,769	12.160
000000-00-0	Wind Point Partners VIII	Wilmington	DE	Wind Point Partners		01/03/2017	3		2,813,410		15,151,657	4.824
000000-00-0	ZMC II, L.P.	Wilmington	DE	ZM Capital Advisors, LLC		09/03/2014	3		5,381,931		8,635,406	7.216
1599999. Joint Venture Interests - Common Stock - Unaffiliated								68,357,531	254,998,746		1,627,363,622	XXX
000000-00-0	Infra Alpha, LLC	Wilmington	DE	EMG Investments, LLC		12/21/2010			211,440			100.000
000000-00-0	CCM Series, LLC	Wilmington	DE	Covariance Capital Management, Inc.		06/30/2011			56,119			100.000
000000-00-0	TIAA Stonepeak Fund I, LLC	Wilmington	DE	Stonepeak Associates, LLC		09/08/2011			4,005,456		49,229,224	100.000
000000-00-0	EPP LFG I, LLC	Wilmington	DE	Energy Power Partners		11/03/2011			312,230		503,616	49.000
000000-00-0	TIAA Stonepeak Investments II, LLC	Wilmington	DE	Stonepeak Associates, LLC		09/08/2011			60,494			100.000
000000-00-0	TIAA Separately Managed Account Strategies, LLC	Wilmington	DE	Teachers Advisors, Inc.		06/30/2016			100,000			100.000
000000-00-0	TIAA Infrastructure Investments, LLC	Wilmington	DE	ACS Infrastructure Development, Inc. / EPP Horizon LFG, LLC / EPP		11/04/2011			4,702,763		8,841,571	100.000

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE BA - PART 2

Showing Other Long-Term Invested Assets ACQUIRED AND ADDITIONS MADE During the Current Quarter

1	2	Location		5	6	7	8	9	10	11	12	13
		3	4									
CUSIP Identification	Name or Description	City	State	Name of Vendor or General Partner	NAIC Designation and Administrative Symbol/Market Indicator	Date Originally Acquired	Type and Strategy	Actual Cost at Time of Acquisition	Additional Investment Made After Acquisition	Amount of Encumbrances	Commitment for Additional Investment	Percentage of Ownership
000000-00-0	TIAA-CREF Individual & Institutional Services, LLC	New York	NY	TIAA		09/04/1990			48,000,000			100.000
000000-00-0	TIAA-CREF Redwood, LLC	Wilmington	DE	TIAA		12/27/2012			5,000,000			100.000
000000-00-0	TIAA Oil & Gas Investments, LLC	Wilmington	DE	ABARTA Oil & Gas / NGP IX Oklahoma Investment Holdings, LLC / Capistrano Wind Partners, LLC / Triangle Petroleum / Great Western Oil and Gas Company / EMG AE Utica Holdings, LLC		07/11/2011		238,134			20,206,013	100.000
000000-00-0	TIAA SynGas, LLC	Wilmington	DE	AE Investor II LLC / SG Solutions / Catalina Solar Lessee, LLC		03/31/2011		59,673				100.000
000000-00-0	UK PPP Investments LP	London	GBR	TIAA		09/26/2016		55,468			24,288	100.000
000000-00-0	730 Data Centers LLC	Wilmington	DE	TIAA		07/18/2016		2,515,635			16,036,179	100.000
000000-00-0	730 Power Development LLC	Wilmington	DE	COE Holdings / CVEC LLC		12/24/2014		448,806				100.000
000000-00-0	730 Telecom, LLC	Wilmington	DE	TIAA		10/19/2015		1,481,831			382,157	100.000
000000-00-0	ActOil Colorado, LLC	Wilmington	DE	Great Western Petroleum, LLC		08/02/2013		196,708			100,849,875	100.000
000000-00-0	TIAA Wind Investments LLC	Wilmington	DE	Capistrano Wind Partners, LLC		01/23/2012		223,212				100.000
1699999. Joint Venture Interests - Common Stock - Affiliated									67,667,969		196,072,923	XXX
000000-00-0	Avanath Affordable Housing III, LLC	Wilmington	DE	Avanath Capital Management		04/17/2017		813,077			5,381,354	38.462
000000-00-0	Enterprise Multifamily Opportunity Fund II, LLC	Columbia	MD	Enterprise Community Investments, Inc		12/22/2017		5,312,493			6,644,746	18.223
000000-00-0	Turner-Agassi Charter School Facilities Fund II	Wilmington	DE	Turner Impact Capital		06/23/2016		57,489			6,585,612	3.185
1799999. Joint Venture Interests - Real Estate - Unaffiliated									6,183,059		18,611,712	XXX
000000-00-0	Broadleaf Timberland Investments, LLC	Wilmington	DE	TIAA		03/07/2013		128,388				100.000
000000-00-0	485 Properties LLC	N/A	DE	TIAA		12/17/1997		21,162				100.000
000000-00-0	NRFC Inception IV, LP	Wilmington	DE	Northstar		04/01/2013		47,302				49.000
000000-00-0	Ceres Agricultural Properties, LLC	Wilmington	DE	Westchester Group Investment Management, Inc.		07/31/2007		3,603,056				100.000
000000-00-0	T-C US Super Regional Mall Fund LP	Honolulu	HI	T-C US Super Regional Mall Fund GP LLC		07/09/2015		10,859			4,669,539	22.222
000000-00-0	TGA NJAHP INVESTOR MEMBER LLC	Wilmington	DE	Hudson Valley Property Group, LLC		03/27/2019		44,091,522			6,592,192	100.000
000000-00-0	Mansilla Participacoes LTDA	Sao Paulo	BRA	TIAA		09/03/2008		16,279				100.000
000000-00-0	THRE US Strategic Industrial Fund	N/A	DE	TH Real Estate U.S. Strategic Industrial Fund I GP, LLC		12/08/2017		5,397,607			39,286,382	15.645
000000-00-0	Occator Agricultural Properties, LLC	Wilmington	DE	Teays River Management, LLC / Materra LLC / AGR Partners		04/30/2009		7,549,758			1,282,844	100.000
000000-00-0	TIAA Super Regional Mall Member Sub LLC	N/A	DE	TIAA		08/24/2011		3,613,758				100.000
000000-00-0	TIAA Global Ag Holdco, LLC	Wilmington	DE	TIAA-CREF Alternative Advisors, LLC		06/03/2011		11,971,698			102,430,876	100.000
000000-00-0	TIAA Union Place Phase I LLC	N/A	DE	TIAA		01/18/2007		93,451				100.000
000000-00-0	TEFF Holdco LLC	Wilmington	DE	TIAA-CREF Alternative Advisors, LLC		07/29/2016					46,410,909	100.000
000000-00-0	T-C JK I LLC	N/A	DE	TIAA		01/13/2014		85,079				100.000
000000-00-0	TIAA GTR HoldCo LLC	Wilmington	DE	TIAA		12/17/2013					98,850,000	100.000
000000-00-0	T-C JK II LLC	N/A	DE	TIAA		01/13/2014		81,743				100.000
000000-00-0	T-C Australia RE Holdings I, LLC	N/A	DE	TIAA		04/29/2016		11,088,383	2,001,533		42,019,701	100.000
000000-00-0	T-C Mt. Ommaney Centre Holding Company LLC	N/A	DE	TIAA		09/26/2014		1,735				100.000
000000-00-0	T-C Europe LP	N/A	DE	TIAA		11/18/2014		12,294,330				100.000
000000-00-0	T-C UK RE Holdings I LLC	N/A	DE	TIAA		06/17/2016		1,399				100.000
000000-00-0	TGA Montrose Residences Member LLC	N/A	DE	TIAA		08/03/2016		11,122,732			11,641,005	100.000
000000-00-0	TGA Japan Holdings, LLC	N/A	DE	TIAA		08/10/2016		1,466				100.000
000000-00-0	TIAA Realty LLC	N/A	DE	TIAA		01/01/2013		748,963				100.000
000000-00-0	T-C 400 Montgomery LLC	N/A	DE	TIAA		08/03/2016		71,503				100.000
000000-00-0	TGA Montague Investor Member LLC	N/A	DE	TIAA		10/21/2016		41,330				100.000
000000-00-0	T-C Permian Investor LLC	N/A	DE	TIAA		03/29/2017		2,898			9,122,487	100.000
000000-00-0	TGA FC Investor Member LLC	N/A	DE	TIAA		10/12/2016		9,855,687			2,493,442	100.000
000000-00-0	TGA APAC Fund Holdings LLC	N/A	DE	TIAA		07/20/2017		570,000			127,000,000	100.000
000000-00-0	CASA Student Housing Fund Holdings LLC	N/A	DE	TIAA		10/08/2014		173,450				100.000
000000-00-0	TGA Connection at Athens Investor Member LLC	N/A	DE	TIAA		06/04/2018		58,744				100.000
000000-00-0	TGA SP-MPC Housing Investor Member LLC	N/A	DE	TIAA		09/26/2018		9,609,576	226,728		54,628,250	100.000
000000-00-0	TGA MS Self Storage Investor Member LLC	N/A	DE	TIAA		09/14/2018		215,478				100.000
000000-00-0	TGA European RE Holdings I LLC	N/A	DE	TIAA		12/11/2018		28,425,951	539,722		11,272,162	100.000
000000-00-0	T-C GA Real Estate Holdings LLC	N/A	DE	TIAA		07/27/2011		2,145,522				100.000
1899999. Joint Venture Interests - Real Estate - Affiliated									49,123,910	116,784,882	557,699,789	XXX
000000-00-0	Impact Community Capital LLC	Wilmington	DE	Impact Community Capital	3	03/19/1998			46,271		1,478,265	15.520
000000-00-0	PCCP Credit IX, LP	Dover	DE	PCCP		07/17/2017			4,000,000		64,576,000	10.000
000000-00-0	PCCP Credit VI, LP	Wilmington	DE	PCCP	3	06/30/2015			3,299,786		17,907,849	20.000
1999999. Joint Venture Interests - Mortgage Loans - Unaffiliated									7,346,057		83,962,114	XXX

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE BA - PART 2

Showing Other Long-Term Invested Assets ACQUIRED AND ADDITIONS MADE During the Current Quarter

1	2	Location		5	6	7	8	9	10	11	12	13
		3	4									
CUSIP Identification	Name or Description	City	State	Name of Vendor or General Partner	NAIC Designation and Administrative Symbol/Market Indicator	Date Originally Acquired	Type and Strategy	Actual Cost at Time of Acquisition	Additional Investment Made After Acquisition	Amount of Encumbrances	Commitment for Additional Investment	Percentage of Ownership
000000-00-0	U.S. Core-Plus Real Estate Debt Fund LP	Various		CRED GP LLC		06/01/2018			20,080,000		163,157,000	41.677
000000-00-0	Global Real Estate Debt Partners - Fund II	Luxembourg	LUX	Henderson Property UK AIFM Limited	3	01/25/2018			9,780,000		78,521,511	18.750
000000-00-0	TGA MKP Member LLC	N/A	DE	TIAA		03/17/2017			45,000,000		24,322,564	100.000
000000-00-0	Primary Residential Individual Mortgage Entity Trust	Wilmington	DE	Teachers Advisors, Inc.		11/17/2016			442,455			100.000
2099999	Joint Venture Interests - Mortgage Loans - Affiliated								75,302,455		266,001,075	XXX
000000-00-0	Benefit Street Partners Debt Fund IV, LP	Wilmington	DE	Benefit Street Partners Debt Fund IV GP LP		03/27/2017	2		1,167,983		12,022,988	2.336
000000-00-0	Bison Capital Partners IV, L.P.	Wilmington	DE	Bison Capital Asset Management, LLC		04/25/2012	2		205,623		3,180,727	13.720
000000-00-0	Blue Point Capital Partners III, LP	Wilmington	DE	Blue Point Capital Partners, LLC		01/17/2014	3		440,216		1,493,543	13.919
000000-00-0	Cyprium Investors IV, L.P.	Wilmington	DE	Cyprium Investment Partners, LLC		12/30/2013	2		1,306,376		6,243,353	8.000
000000-00-0	Falcon Strategic Partners IV, L.P.	Wilmington	DE	Falcon Investment Advisors, LLC		12/17/2012	2		789,579		6,599,433	4.397
000000-00-0	Mercato Partners Growth III, L.P.	Wilmington	DE	Mercato Partners Growth III GP, LLC		11/24/2015	3		2,625,000		8,527,180	10.163
000000-00-0	Pinnacle IV, L.P.	Wilmington	DE	Pinnacle Ventures		05/26/2015	1		1,614,617		42,028	23.904
000000-00-0	Prudential Capital Partners IV, L.P.	Wilmington	DE	Prudential Investment Management, Inc		12/20/2012	2		820,478		701,877	3.478
000000-00-0	Royalty Opportunities S.ar.l	Luxembourg	LUX	OrbiMed Advisors		08/30/2011	1		40,243			2.493
000000-00-0	Summit Partners Credit Fund II, L.P.	Wilmington	DE	Summit Partners		11/04/2014	2		1,972,065		6,603,987	4.912
000000-00-0	Upfront Ventures III (GRP)	Wilmington	DE	GRP Partners		03/18/2008	1		76,335		12,033,665	14.012
2199999	Joint Venture Interests - Other - Unaffiliated								11,058,515		57,448,781	XXX
000000-00-0	TIAA-GREF Asset Management Distressed Opportunities Fund, LP	Wilmington	DE	TCAM DOF GP, LLC		01/28/2009					8,648,124	50.000
000000-00-0	MM Funding, LLC	Wilmington	DE	Churchill Asset Management		04/25/2018	2		65		20,000,000	100.000
87216*-10-7	TIAA OMBS I, LLC	Wilmington	DE	TIAA		06/30/2001			1,138			100.000
000000-00-0	Nuveen High Yield Municipal Opportunitites Fund LP	Wilmington	DE	Nuveen Asset Management, LLC		05/06/2019	2	50,000,000				100.000
000000-00-0	TGAM Agribusiness Fund LP	Wilmington	DE	TGAM Agribusiness Fund GP, LLC		03/31/2016					84,790,021	97.415
000000-00-0	Nuveen Municipal Opportunities Fund LP	Wilmington	DE	Nuveen Asset Management, LLC		05/06/2019	3	25,000,000				100.000
2299999	Joint Venture Interests - Other - Affiliated							75,000,000	1,203		113,438,145	XXX
000000-00-0	TIAA Charitable, Inc	Wilmington	DE	TIAA		10/30/2014					6,500,000	0.000
2799999	Non-collateral Loans - Unaffiliated										6,500,000	XXX
4499999	Total - Unaffiliated							68,357,531	279,586,377		1,793,886,229	XXX
4599999	Total - Affiliated							124,123,910	260,852,789		1,133,211,932	XXX
4699999	- Totals							192,481,441	540,439,166		2,927,098,161	XXX

SCHEDULE BA - PART 3

Showing Other Long-Term Invested Assets DISPOSED, Transferred or Repaid During the Current Quarter

1	2	Location		5	6	7	8	Change in Book/Adjusted Carrying Value						15	16	17	18	19	20
		3	4					9	10	11	12	13	14						
CUSIP Identification	Name or Description	City	State	Name of Purchaser or Nature of Disposal	Date Originally Acquired	Disposal Date	Book/Adjusted Carrying Value Less Encumbrances, Prior Year	Unrealized Valuation Increase (Decrease)	Current Year's (Depreciation) or (Amortization)/Accretion	Current Year's Other Than Temporary Impairment Recognized	Capitalized Deferred Interest and Other	Total Change in Book/Adjusted Carrying Value (9+10-11+12)	Total Foreign Exchange Change in Book/Adjusted Carrying Value	Book/Adjusted Carrying Value Less Encumbrances on Disposal	Consideration	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal	Investment Income
12496#-10-2	CCM Series 2, LLC	Wilmington	DE	Fund Distribution	06/30/2011	05/15/2019	56,119							56,119	56,119				
1499999	Joint Venture Interests - Fixed Income - Affiliated						56,119							56,119	56,119				
000000-00-0	APIS GROWTH FUND II L.P.	London	GBR	Fund Distribution	10/17/2018	05/01/2019	305,999							305,999	305,999				
000000-00-0	Avishkaar Emerging India Fund	Ebene	MUS	Fund Distribution	11/15/2017	04/23/2019	3,290							3,290	3,290				



STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE BA - PART 3

Showing Other Long-Term Invested Assets DISPOSED, Transferred or Repaid During the Current Quarter

1	2	Location		5	6	7	8	Change in Book/Adjusted Carrying Value						15	16	17	18	19	20
		3	4					9	10	11	12	13	14						
CUSIP Identification	Name or Description	City	State	Name of Purchaser or Nature of Disposal	Date Originally Acquired	Disposal Date	Book/ Adjusted Carrying Value Less Encumbrances, Prior Year	Unrealized Valuation Increase (Decrease)	Current Year's (Depreciation) or (Amortization)/ Accretion	Current Year's Other Than Temporary Impairment Recognized	Capitalized Deferred Interest and Other	Total Change in Book/ Adjusted Carrying Value (9+10-11+12)	Total Foreign Exchange Change in Book/ Adjusted Carrying Value	Book/ Adjusted Carrying Value Less Encumbrances on Disposal	Consideration	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal	Investment Income
000000-00-0	Aavishkaar India II Company Ltd.	Port Louis	MUS.	Fund Distribution	07/26/2013	05/15/2019	640,000							640,000	640,000				
000000-00-0	Advent International GPE VII-B, L.P.	Wilmington	DE.	Fund Distribution	08/27/2012	06/28/2019	120,175							120,175	120,175				
000000-00-0	American Industrial Partners V	Wilmington	DE.	Fund Distribution	12/29/2011	06/06/2019	3,664,559							3,664,559	3,664,559				
000000-00-0	Arch Global Precision, LLC	Dover	DE.	Fund Distribution	08/07/2015	06/26/2019	9,325,992							9,325,992	9,325,992				
000000-00-0	Audax Private Equity Fund IV, L.P.	Wilmington	DE.	Fund Distribution	01/18/2013	06/26/2019	3,460,973							3,460,973	3,460,973				
000000-00-0	Audax Private Equity Fund V, L.P.	Wilmington	DE.	Fund Distribution	01/25/2016	06/12/2019	2,009,393							2,009,393	2,009,393				
000000-00-0	Avista Capital Partners IV LP	Wilmington	DE.	Fund Distribution	01/22/2018	04/25/2019	3,106,453							3,106,453	3,106,453				
000000-00-0	AxInfra LP	Wilmington	DE.	Fund Distribution	12/19/2018	05/21/2019	1,112,203							1,112,203	1,112,203				
000000-00-0	BC European Capital IX, L.P.	London	GBR.	Fund Distribution	12/23/2011	06/27/2019	2,353,101						141,225	2,494,326	2,353,101	(141,225)		(141,225)	
000000-00-0	BDCM Opportunity Fund II, LP	Wilmington	DE.	Fund Distribution	03/31/2006	05/24/2019	6,355,173							6,355,173	6,355,173				
000000-00-0	BDCM Opportunity Fund III, L.P.	Wilmington	DE.	Fund Distribution	06/21/2011	06/28/2019	723,463							723,463	723,463				
000000-00-0	Beecken Petty O'Keefe Fund IV LP	Wilmington	DE.	Fund Distribution	12/13/2013	06/04/2019	(1,024,737)							(1,024,737)	(1,024,737)				
000000-00-0	Berkshire Partners VI, L.P.	Boston	MA.	Fund Distribution	07/11/2002	05/16/2019	(821,577)							(821,577)	(821,577)				
000000-00-0	Bertram Growth Capital III, LP	Wilmington	DE.	Fund Distribution	11/30/2016	06/27/2019	1,935,461							1,935,461	1,935,461				
000000-00-0	Bison Capital Partners V, L.P.	Wilmington	DE.	Fund Distribution	09/18/2017	05/10/2019	655,004							655,004	655,004				
000000-00-0	Blackstone Capital Partners IV, L.P.	Wilmington	DE.	Fund Distribution	01/14/2003	05/31/2019	(773,053)							(773,053)	(773,053)				
000000-00-0	Blackstone Capital Partners V, L.P.	Wilmington	DE.	Fund Distribution	02/06/2006	04/23/2019	2,649							2,649	2,649				
000000-00-0	Brentwood Associates Private Equity V, L.P.	Wilmington	DE.	Fund Distribution	10/07/2014	06/28/2019	184,891							184,891	184,891				
000000-00-0	Brentwood Associates Private Equity VI, LP	Wilmington	DE.	Fund Distribution	12/27/2017	06/27/2019	117,491							117,491	117,491				
000000-00-0	CCMP Capital Investors III, LP	Wilmington	DE.	Fund Distribution	08/14/2014	06/05/2019	8,896							8,896	8,896				
000000-00-0	CIP Capital Fund, LP	Wilmington	DE.	Fund Distribution	05/24/2012	04/23/2019	(2,569,216)							(2,569,216)	(2,569,216)				
000000-00-0	CVC European Equity Partners V, LP	George Town	CYM.	Fund Distribution	07/21/2008	06/24/2019	210,524						37,274	247,797	210,524	(37,274)		(37,274)	
000000-00-0	Calera Capital Partners V, L.P.	Wilmington	DE.	Fund Distribution	04/25/2016	04/29/2019	1,013,632							1,013,632	1,013,632				
000000-00-0	Carlyle Partners V, L.P.	Wilmington	DE.	Fund Distribution	07/06/2007	05/29/2019	2,665,572							2,665,572	2,665,572				
000000-00-0	Carousel Capital Partners IV, L.P.	Wilmington	DE.	Fund Distribution	12/28/2011	04/01/2019	2,888,805							2,888,805	2,888,805				
000000-00-0	Carousel Capital Partners V, L.P.	Charlotte	NC.	Fund Distribution	02/15/2017	05/21/2019	750,726							750,726	750,726				
000000-00-0	Catterton Partners VII, LP	Wilmington	DE.	Fund Distribution	03/19/2013	06/05/2019	15,665,560							15,665,560	15,665,560				
000000-00-0	Centre Lane Partners III, L.P.	Wilmington	DE.	Fund Distribution	12/28/2011	04/05/2019	1,108,871							1,108,871	1,108,871				
000000-00-0	Cerberus Institutional Partners Int'l, Series I	Wilmington	DE.	Fund Distribution	06/17/2009	06/27/2019	364,933							364,933	364,933				
000000-00-0	Clayton, Dublier & Rice X, L.P.	George Town	CYM.	Fund Distribution	03/27/2018	04/17/2019	65,445							65,445	65,445				
000000-00-0	Co-Invest Hamlet Holdings, LLC (Harrah's)	Wilmington	DE.	Liquidation	01/24/2008	04/04/2019		356				356		356			(3,933)	(3,933)	
000000-00-0	Court Square Capital Partners III, LP	Wilmington	DE.	Fund Distribution	05/29/2013	05/16/2019	1,538,887							1,538,887	1,538,887				
000000-00-0	DWH Equity Investors, L.P.	Wilmington	DE.	Fund Distribution	04/06/2015	06/07/2019	2,901,224							2,901,224	2,901,224				
000000-00-0	EMG Utica II Co-Investment, L.P.	Wilmington	DE.	Fund Distribution	03/04/2013	04/03/2019	(437,961)							(437,961)	(437,961)				
000000-00-0	EagleTree Partners IV, LP	Dover	DE.	Fund Distribution	06/01/2016	04/18/2019	998,315							998,315	998,315				
000000-00-0	Eagletree-Airtech Investment, L.P.	Wilmington	DE.	Fund Distribution	02/01/2018	04/09/2019	1,743,249							1,743,249	1,743,249				
000000-00-0	Elevar Equity IV, L.P.	Georgetown	CYM.	Fund Distribution	01/29/2018	05/03/2019	17,904							17,904	17,904				
000000-00-0	Energy & Minerals Group Fund II, L.P.	Wilmington	DE.	Fund Distribution	06/29/2011	05/17/2019	(538,816)							(538,816)	(538,816)				
000000-00-0	Energy & Minerals Group Fund III, L.P.	Wilmington	DE.	Fund Distribution	01/16/2014	05/30/2019	871,231							871,231	871,231				
000000-00-0	FFL Capital Partners IV, LP	Grand Cayman	CYM.	Fund Distribution	03/27/2015	06/28/2019	64,704							64,704	64,704				
000000-00-0	Falcon Strategic Partners V, L.P.	Wilmington	DE.	Fund Distribution	06/13/2016	04/18/2019	5,656,058							5,656,058	5,656,058				
000000-00-0	Falfurrias Capital Partners II, LP	Wilmington	DE.	Fund Distribution	12/26/2012	04/16/2019	61,885							61,885	61,885				
000000-00-0	First Reserve Fund XI, L.P.	Wilmington	DE.	Fund Distribution	12/14/2006	04/30/2019	495,955							495,955	495,955				
000000-00-0	Freedom 3 Investments III, LP	Wilmington	DE.	Fund Distribution	03/21/2018	04/10/2019	157,537							157,537	157,537				
000000-00-0	GI Partners Fund III, LP	Wilmington	DE.	Fund Distribution	10/01/2008	06/28/2019	116,227							116,227	116,227				
000000-00-0	GenNx360 Capital Partners III, L.P.	Wilmington	DE.	Fund Distribution	10/31/2018	06/12/2019	115,571							115,571	115,571				
000000-00-0	Genstar Capital Partners VII, LP	Wilmington	DE.	Fund Distribution	10/01/2015	04/03/2019	1,749,144							1,749,144	1,749,144				
000000-00-0	Granite Global Ventures III, L.P.	Wilmington	DE.	Fund Distribution	11/01/2006	04/01/2019	302,015							302,015	302,015				
000000-00-0	Greenbriar Equity Fund IV, L.P.	Wilmington	DE.	Fund Distribution	12/14/2018	06/11/2019	2,876,531							2,876,531	2,876,531				
000000-00-0	Gridiron Capital Fund II, L.P.	Wilmington	DE.	Fund Distribution	07/25/2011	06/07/2019	(1,983,022)							(1,983,022)	(1,983,022)				
000000-00-0	Gridiron Capital Fund III, L.P.	Wilmington	DE.	Fund Distribution	04/06/2015	06/07/2019	1,391,614							1,391,614	1,391,614				
000000-00-0	Gryphon Mezzanine Partners II, L.P.	Wilmington	DE.	Fund Distribution	03/13/2019	06/28/2019	432,319							432,319	432,319				
000000-00-0	Gryphon Partners V, L.P.	Wilmington	DE.	Fund Distribution	08/30/2018	06/28/2019	1,847,313							1,847,313	1,847,313				
000000-00-0	H.I.G. Bayside Debt & LBO Fund II, LP	Wilmington	DE.	Fund Distribution	06/17/2008	06/28/2019	(6,638,073)							(6,638,073)	(6,638,073)				
000000-00-0	Harvest Partners Structured Capital Fund I	Wilmington	DE.	Fund Distribution	04/15/2015	06/13/2019	3,527,417							3,527,417	3,527,417				

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE BA - PART 3

Showing Other Long-Term Invested Assets DISPOSED, Transferred or Repaid During the Current Quarter

1	2	Location		5	6	7	8	Change in Book/Adjusted Carrying Value						15	16	17	18	19	20
		3	4					9	10	11	12	13	14						
CUSIP Identification	Name or Description	City	State	Name of Purchaser or Nature of Disposal	Date Originally Acquired	Disposal Date	Book/ Adjusted Carrying Value Less Encumbrances, Prior Year	Unrealized Valuation Increase (Decrease)	Current Year's (Depreciation) or (Amortization)/ Accretion	Current Year's Other Than Temporary Impairment Recognized	Capitalized Deferred Interest and Other	Total Change in Book/ Adjusted Carrying Value (9+10-11+12)	Total Foreign Exchange Change in Book/ Adjusted Carrying Value	Book/ Adjusted Carrying Value Less Encumbrances on Disposal	Consideration	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal	Investment Income
000000-00-0	Harvest Partners V, LP	Wilmington	DE	Fund Distribution	01/29/2007	05/15/2019	(1,124,525)							(1,124,525)	(1,124,525)				
000000-00-0	Harvest Partners VI, L.P.	Wilmington	DE	Fund Distribution	11/28/2011	05/22/2019	4,060,594							4,060,594	4,060,594				
000000-00-0	Harvest Partners VII, L.P.	Wilmington	DE	Fund Distribution	09/28/2016	04/08/2019	947,706							947,706	947,706				
000000-00-0	Horizon Roads Pty Ltd	Sydney	AUS	Fund Distribution	10/18/2011	05/09/2019	2,558,735						1,173,189	3,731,923	2,558,735	(1,173,189)		(1,173,189)	
000000-00-0	Hudson Valley Preservation Fund LLC	Wilmington	DE	Fund Distribution	03/21/2019	04/16/2019	75,177							75,177	75,177				
000000-00-0	ICV Partners III, LP	Wilmington	DE	Fund Distribution	04/17/2014	06/19/2019	351,547							351,547	351,547				
000000-00-0	IFHA-II Cooperatief U.A.	Amsterdam	NLD	Fund Distribution	06/25/2015	05/20/2019	799,691							799,691	799,691				
000000-00-0	Industrial Growth Partners IV, L.P.	Wilmington	DE	Fund Distribution	10/21/2011	04/23/2019	250,000							250,000	250,000				
000000-00-0	Kaizen Private Equity II Pte. Ltd.	Singapore	SGP	Fund Distribution	03/23/2017	06/21/2019	849,913							849,913	849,913				
000000-00-0	Kelso Fund VIII	Wilmington	DE	Fund Distribution	11/29/2007	06/11/2019	1,198,967							1,198,967	1,198,967				
000000-00-0	Kelso Investment Associates IX, L.P.	Dover	DE	Fund Distribution	11/23/2015	06/19/2019	3,825,032							3,825,032	3,825,032				
000000-00-0	Kelso Investment Associates X, L.P.	Dover	DE	Fund Distribution	12/13/2018	06/27/2019	521,600							521,600	521,600				
000000-00-0	Kelso Yellowrose Co-Investment, L.P.	Wilmington	DE	Fund Distribution	10/14/2015	06/19/2019	1,989,824							1,989,824	1,989,824				
000000-00-0	Kohlberg Investors VII, LP	George Town	CYM	Fund Distribution	03/27/2013	04/19/2019	2,907,546							2,907,546	2,907,546				
000000-00-0	LNK Partners II, L.P.	Wilmington	DE	Fund Distribution	01/03/2012	05/13/2019	(529,481)							(529,481)	(529,481)				
000000-00-0	LeapFrog Emerging Consumer III, LP	Ebene	MUS	Fund Distribution	12/28/2017	06/07/2019	2,110,532							2,110,532	2,110,532				
000000-00-0	LeapFrog Financial Inclusion Fund II, LP	Port Louis	MUS	Fund Distribution	11/19/2013	06/10/2019	794,694							794,694	794,694				
000000-00-0	Lime Rock Resources IV	George Town	CYM	Fund Distribution	06/13/2016	06/26/2019	132,714							132,714	132,714				
000000-00-0	Littlejohn Fund III, L.P.	Wilmington	DE	Fund Distribution	01/27/2005	04/16/2019	429,298							429,298	429,298				
000000-00-0	Littlejohn Fund IV, L.P.	Wilmington	DE	Fund Distribution	04/29/2010	06/06/2019	1,744,573							1,744,573	1,744,573				
000000-00-0	Lumos Investment Holdings, LP	Wilmington	DE	Fund Distribution	04/28/2017	04/10/2019	208,258							208,258	208,258				
000000-00-0	MIDDLEGROUND PARTNERS I, L.P.	Wilmington	DE	Fund Distribution	03/22/2019	06/06/2019	2,147,304							2,147,304	2,147,304				
000000-00-0	Madison Dearborn Capital Partners VI, LP	Wilmington	DE	Fund Distribution	05/27/2008	04/11/2019	906,345							906,345	906,345				
000000-00-0	Madison Dearborn Capital Partners VII, L.P.	Wilmington	DE	Fund Distribution	12/17/2015	04/25/2019	1,266,054							1,266,054	1,266,054				
000000-00-0	Main Post Growth Fund I, LP	Wilmington	DE	Fund Distribution	07/30/2015	05/22/2019	3,515,242							3,515,242	3,515,242				
000000-00-0	Mandala Agribusiness Fund	Port Louis	MUS	Fund Distribution	09/06/2013	05/22/2019	1,046,469							1,046,469	1,046,469				
000000-00-0	Mandala FF SPV	Port Louis	MUS	Fund Distribution	12/17/2015	05/22/2019	131,833							131,833	131,833				
000000-00-0	Mandala Food Fund II	Port Louis	MUS	Fund Distribution	12/17/2015	05/22/2019	150,662							150,662	150,662				
000000-00-0	Marlin Equity III, L.P.	Wilmington	DE	Fund Distribution	07/20/2010	06/28/2019	157,247							157,247	157,247				
000000-00-0	Mesa Acquisition Corp. LLC	Wilmington	DE	Fund Distribution	03/22/2019	06/28/2019	69,196							69,196	69,196				
000000-00-0	MidOcean Partners V, LP	Wilmington	DE	Fund Distribution	04/26/2018	05/21/2019	1,120,133							1,120,133	1,120,133				
000000-00-0	MidOcean Prepaid Holdings, L.P.	Wilmington	DE	Fund Distribution	04/27/2018	04/04/2019	3,485,744							3,485,744	3,485,744				
000000-00-0	Mountingate Capital Fund I, LP	Wilmington	DE	Fund Distribution	07/26/2017	06/17/2019	3,366,397							3,366,397	3,366,397				
000000-00-0	NGP Natural Resources Fund X, L.P.	Wilmington	DE	Fund Distribution	01/27/2012	06/24/2019	3,707,682							3,707,682	3,707,682				
000000-00-0	NSA International, LLC	Wilmington	DE	Fund Distribution	11/20/2018	06/13/2019	156,786							156,786	156,786				
000000-00-0	New Mountain Partners IV, LP	Wilmington	DE	Fund Distribution	12/10/2014	04/12/2019	44,388							44,388	44,388				
000000-00-0	North Haven Capital Partners VI LP	Wilmington	DE	Fund Distribution	10/16/2015	04/16/2019	2,327,458							2,327,458	2,327,458				
000000-00-0	OCM European Principal Opportunities Fund II, LP	George Town	CYM	Fund Distribution	10/08/2008	05/23/2019	1,709,936							1,709,936	1,709,936				
000000-00-0	OCM Opportunities Fund V, L.P.	Wilmington	DE	Fund Distribution	06/30/2004	04/29/2019	153,757							153,757	153,757				
000000-00-0	OCM Opportunities Fund VIIb, LP	George Town	CYM	Fund Distribution	06/03/2008	06/27/2019	231,929							231,929	231,929				
000000-00-0	OrbiMed Royalty Opportunities II	Wilmington	DE	Fund Distribution	04/08/2015	06/26/2019	2,079,326							2,079,326	2,079,326				
000000-00-0	Pacific Equity Partners Fund V, L.P.	Wilmington	DE	Fund Distribution	02/13/2015	06/07/2019	2,294,557						138,327	2,432,884	2,294,557	(138,327)		(138,327)	
000000-00-0	Palladium Equity Partners IV, L.P.	Wilmington	DE	Fund Distribution	05/06/2014	06/26/2019	579,046							579,046	579,046				
000000-00-0	Pamlico Capital II, LP	Wilmington	DE	Fund Distribution	04/04/2014	04/24/2019	516,698							516,698	516,698				
000000-00-0	Pamlico Capital III, L.P.	Wilmington	DE	Fund Distribution	10/15/2013	05/14/2019	583,756							583,756	583,756				
000000-00-0	Pegasus Partners V, L.P.	Wilmington	DE	Fund Distribution	05/10/2012	06/28/2019	304,831							304,831	304,831				
000000-00-0	Pine Brook Capital Partners II, L.P.	Wilmington	DE	Fund Distribution	11/01/2013	05/13/2019	1,027,257							1,027,257	1,027,257				
000000-00-0	Pine Brook Capital Partners, L.P.	Wilmington	DE	Fund Distribution	10/08/2008	06/28/2019	277,241							277,241	277,241				
000000-00-0	Pitango Venture Capital Fund V, LP	George Town	CYM	Fund Distribution	08/15/2007	06/12/2019	2,580,573							2,580,573	2,580,573				
000000-00-0	Platinum Equity Capital Partners II, LP	Wilmington	DE	Fund Distribution	10/18/2007	06/19/2019	1,226,505							1,226,505	1,226,505				
000000-00-0	Providence Equity Partners VI, L.P.	Wilmington	DE	Fund Distribution	03/16/2007	06/18/2019	2,979,085							2,979,085	2,979,085				
000000-00-0	Providence Equity Partners VII, L.P.	George Town	CYM	Fund Distribution	05/09/2012	05/17/2019	157,316							157,316	157,316				
000000-00-0	REGED TOPCO, LP	Charlotte	NC	Fund Distribution	07/02/2015	04/16/2019	544,871							544,871	544,871				
000000-00-0	Resolute Fund II, LP	Wilmington	DE	Fund Distribution	10/15/2007	05/15/2019	335,304							335,304	335,304				
000000-00-0	Resolute Fund III, LP	Wilmington	DE	Fund Distribution	06/11/2014	06/21/2019	733,182							733,182	733,182				

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE BA - PART 3

Showing Other Long-Term Invested Assets DISPOSED, Transferred or Repaid During the Current Quarter

1	2	Location		5	6	7	8	Change in Book/Adjusted Carrying Value						15	16	17	18	19	20
		3	4					9	10	11	12	13	14						
CUSIP Identification	Name or Description	City	State	Name of Purchaser or Nature of Disposal	Date Originally Acquired	Disposal Date	Book/ Adjusted Carrying Value Less Encumbrances, Prior Year	Unrealized Valuation Increase (Decrease)	Current Year's (Depreciation) or (Amortization)/ Accretion	Current Year's Other Than Temporary Impairment Recognized	Capitalized Deferred Interest and Other	Total Change in Book/ Adjusted Carrying Value (9+10-11+12)	Total Foreign Exchange Change in Book/ Adjusted Carrying Value	Book/ Adjusted Carrying Value Less Encumbrances on Disposal	Consideration	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal	Investment Income
000000-00-0	Revelstoke Capital Partners Fund II, L.P.	Wilmington	DE	Fund Distribution	07/23/2018	06/25/2019	416,699							416,699	416,699				
000000-00-0	Rhone Partners IV, L.P.	Wilmington	DE	Fund Distribution	05/15/2012	06/06/2019	4,084,266						431,161	4,515,427	4,084,266	(431,161)		(431,161)	
000000-00-0	Ridgemont Equity Partners I, LP	Wilmington	DE	Fund Distribution	03/29/2012	04/22/2019	1,774,443							1,774,443	1,774,443				
000000-00-0	Ridgemont Equity Partners II, LP	Wilmington	DE	Fund Distribution	11/30/2015	04/17/2019	(2,278,628)							(2,278,628)	(2,278,628)				
000000-00-0	Riverside Capital Appreciation Fund VI, LP	Wilmington	DE	Fund Distribution	12/06/2013	06/26/2019	20,937							20,937	20,937				
000000-00-0	Riverside Strategic Capital Fund I, L.P.	Wilmington	DE	Fund Distribution	10/20/2015	05/02/2019	82,090							82,090	82,090				
000000-00-0	SKYKNIGHT CAPITAL FUND II, L.P.	Wilmington	DE	Fund Distribution	09/12/2018	06/20/2019	50,670							50,670	50,670				
000000-00-0	SW Ingredients Blocker, LLC	Wilmington	DE	Fund Distribution	07/02/2018	06/28/2019	615,490							615,490	615,490				
000000-00-0	Stonepeak Infrastructure Fund II, L.P.	Wilmington	DE	Fund Distribution	02/12/2016	05/23/2019	5,814							5,814	5,814				
000000-00-0	Strategic Value Special Situations Fund II, L.P.	Wilmington	DE	Fund Distribution	10/20/2011	05/23/2019	2,239,610							2,239,610	2,239,610				
000000-00-0	TPG Solar Coinvest LLC/SunGuard	Wilmington	DE	Liquidation	08/08/2005	06/06/2019		(507,501)				(507,501)		(507,501)					39,458
000000-00-0	Tailwind Capital Partners II, L.P.	Wilmington	DE	Fund Distribution	05/15/2015	06/06/2019	2,383,079							2,383,079	2,383,079				
000000-00-0	The Resolute Fund IV, L.P.	Wilmington	DE	Fund Distribution	12/07/2018	05/29/2019	2,234,435							2,234,435	2,234,435				
000000-00-0	Trident VI, L.P.	George Town	CYM	Fund Distribution	09/12/2014	06/14/2019	2,221,409							2,221,409	2,221,409				
000000-00-0	Trilantic Capital Partners V	Wilmington	DE	Fund Distribution	05/01/2013	06/07/2019	449,857							449,857	449,857				
000000-00-0	Trinity Hunt Partners IV	Wilmington	DE	Fund Distribution	11/05/2012	06/03/2019	1,114,827							1,114,827	1,114,827				
000000-00-0	Tritium I, L.P.	Dover	DE	Fund Distribution	12/19/2014	05/29/2019	1,720,358							1,720,358	1,720,358				
000000-00-0	VCP-EDC CO-INVEST, LLC	Wilmington	DE	Fund Distribution	06/12/2017	05/01/2019	597,371							597,371	597,371				
000000-00-0	Vector Capital IV, LP	Wilmington	DE	Fund Distribution	07/26/2007	04/09/2019	380,222							380,222	380,222				
000000-00-0	WLR Recovery Fund IV, LP	Wilmington	DE	Fund Distribution	12/14/2007	04/24/2019	5,201							5,201	5,201				
000000-00-0	Warburg Pincus Private Equity XI, L.P.	Wilmington	DE	Fund Distribution	05/24/2012	06/19/2019	1,993,685							1,993,685	1,993,685				
000000-00-0	Welsh, Carson, Anderson, and Stowe XII, L.P.	Wilmington	DE	Fund Distribution	08/26/2015	05/07/2019	330,978							330,978	330,978				
000000-00-0	White Deer Energy, L.P.	George Town	CYM	Fund Distribution	10/30/2009	04/18/2019	1,910,924							1,910,924	1,910,924				
000000-00-0	Wind Point Partners VIII	Wilmington	DE	Fund Distribution	01/03/2017	04/05/2019	1,031,066							1,031,066	1,031,066				
000000-00-0	ZMC II, L.P.	Wilmington	DE	Fund Distribution	09/03/2014	05/02/2019	2,134							2,134	2,134				
1599999. Joint Venture Interests - Common Stock - Unaffiliated							162,301,321	(507,145)				(507,145)	1,921,176	163,715,350	162,301,321	(1,921,176)	(3,933)	(1,925,109)	39,458
000000-00-0	Infra Alpha, LLC	Wilmington	DE	Fund Distribution	12/21/2010	05/31/2019	126,016,656							126,016,656	126,016,656				
000000-00-0	CCM Series, LLC	Wilmington	DE	Fund Distribution	06/30/2011	06/19/2019	60,129							60,129	60,129				
000000-00-0	TIAA Infrastructure Investments, LLC	Wilmington	DE	Fund Distribution	11/04/2011	06/28/2019	2,688,611							2,688,611	2,688,611				
000000-00-0	DIWM Inclusive Finance Equity Fund II	Luxembourg	LUX	Fund Distribution	01/10/2014	06/04/2019	39,881							39,881	39,881				
000000-00-0	TIAA SynGas, LLC	Wilmington	DE	Fund Distribution	03/31/2011	04/26/2019	2,743,045							2,743,045	2,743,045				
000000-00-0	Liberty M & R SPV II, LP	Wilmington	DE	Fund Distribution	03/12/2010	05/23/2019	294,897							294,897	294,897				
000000-00-0	730 Power Development LLC	Wilmington	DE	Fund Distribution	12/24/2014	04/01/2019	3,800,000							3,800,000	3,800,000				
000000-00-0	Siguler Guff Third Avenue, L.P.	Wilmington	DE	Fund Distribution	06/18/2004	06/27/2019	195,118							195,118	195,118				
000000-00-0	TIAA Global Equity Income, LLC	Wilmington	DE	Fund Distribution	06/27/2013	04/01/2019	8,494,292							8,494,292	8,494,292				
000000-00-0	TIAA Separately Managed Account Strategies, LLC	Wilmington	DE	Fund Distribution	06/30/2016	05/07/2019	1,329,753							1,329,753	1,329,753				
000000-00-0	WINSLOW GROWTH CAPITAL FUND I, L.P.	Dover	DE	Fund Distribution	01/04/2016	04/12/2019	23,497,897							23,497,897	23,497,897				
1699999. Joint Venture Interests - Common Stock - Affiliated							169,160,279							169,160,279	169,160,279				
000000-00-0	Avanath Affordable Housing II, LLC	Wilmington	DE	Fund Distribution	06/21/2013	06/14/2019	1,919,514							1,919,514	1,919,514				
000000-00-0	Avanath Affordable Housing III, LLC	Wilmington	DE	Fund Distribution	04/17/2017	06/26/2019	1,655,289							1,655,289	1,655,289				
000000-00-0	Enterprise Homes Preservation Fund, LLC	Baltimore	MD	Fund Distribution	07/28/2017	06/25/2019	7,612,539							7,612,539	7,612,539				
000000-00-0	Enterprise Multifamily Opportunity Fund II, LLC	Columbia	MD	Fund Distribution	12/22/2017	05/01/2019	138,820							138,820	138,820				
000000-00-0	GT18 Institutional Investors Co. Limited	George Town	CYM	Fund Distribution	08/21/2007	04/26/2019	23,229							23,229	23,229				
000000-00-0	GT19 Institutional Investors Co. Limited	George Town	CYM	Fund Distribution	09/30/2010	04/26/2019	36,755							36,755	36,755				
000000-00-0	Hines India Fund	Wilmington	DE	Fund Distribution	05/02/2008	05/29/2019	212,500							212,500	212,500				
000000-00-0	NRFC Inception II, LP	Wilmington	DE	Fund Distribution	02/15/2013	04/09/2019	108,705							108,705	108,705				
000000-00-0	NRFC Inception IIA, LP	Wilmington	DE	Fund Distribution	07/13/2015	04/09/2019	9,687,792							9,687,792	9,687,792				
000000-00-0	NRFC Inception, LP	Wilmington	DE	Fund Distribution	02/15/2013	04/09/2019	948,378							948,378	948,378				
000000-00-0	Rose Affordable Housing Preservation Fund IV	Dover	DE	Fund Distribution	07/12/2016	05/31/2019	(385,794)							(385,794)	(385,794)				
000000-00-0	Rose Affordable Housing Preservation Fund, LLC	Dover	DE	Fund Distribution	08/01/2014	05/31/2019	970,000							970,000	970,000				

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE BA - PART 3

Showing Other Long-Term Invested Assets DISPOSED, Transferred or Repaid During the Current Quarter

1	2	Location		5	6	7	8	Change in Book/Adjusted Carrying Value						15	16	17	18	19	20
		3	4					9	10	11	12	13	14						
CUSIP Identification	Name or Description	City	State	Name of Purchaser or Nature of Disposal	Date Originally Acquired	Disposal Date	Book/Adjusted Carrying Value Less Encumbrances, Prior Year	Unrealized Valuation Increase (Decrease)	Current Year's (Depreciation) or (Amortization)/Accretion	Current Year's Other Than Temporary Impairment Recognized	Capitalized Deferred Interest and Other	Total Change in Book/Adjusted Carrying Value (9+10-11+12)	Total Foreign Exchange Change in Book/Adjusted Carrying Value	Book/Adjusted Carrying Value Less Encumbrances on Disposal	Consideration	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal	Investment Income
000000-00-0	Urban Strategy America Fund, L.P.	Wilmington	DE	Fund Distribution	03/30/2007	05/16/2019	105,254							105,254	105,254				
1799999. Joint Venture Interests - Real Estate - Unaffiliated							23,032,981							23,032,981	23,032,981				
000000-00-0	730 Texas Timberlands II, Ltd.	Austin	TX	Fund Distribution	10/27/2005	06/27/2019	1,380,206							1,380,206	1,380,206				
000000-00-0	485 Properties LLC	N/A	DE	TIAA	12/17/1997	06/30/2019	145							145	145				
000000-00-0	NRFC Inception IV, LP	Wilmington	DE	Fund Distribution	04/01/2013	04/10/2019	6,483,539							6,483,539	6,483,539				
000000-00-0	Ceres Agricultural Properties, LLC	Wilmington	DE	Fund Distribution	07/31/2007	06/06/2019	22,900,000							22,900,000	22,900,000				
000000-00-0	U.S. Cities Retail Fund LP	Various		Various	06/28/2018	06/30/2019	(833,514)							(833,514)	(833,514)				
000000-00-0	Occator Agricultural Properties, LLC	Wilmington	DE	Fund Distribution	04/30/2009	06/11/2019	40,943,763							40,943,763	40,943,763				
000000-00-0	TIAA Union Place Phase I LLC	N/A	DE	TIAA	01/18/2007	06/30/2019	526,746							526,746	526,746				
000000-00-0	TIAA Global Ag Holdco, LLC	Wilmington	DE	Fund Distribution	06/03/2011	06/28/2019	13,378,670							13,378,670	13,378,670				
000000-00-0	T-C JK I LLC	N/A	DE	TIAA	01/13/2014	06/30/2019	329,157							329,157	329,157				
000000-00-0	TIAA Timberlands I, LLC	Wilmington	DE	Fund Distribution	11/19/1998	06/27/2019	1,673,327							1,673,327	1,673,327				
000000-00-0	T-C JK II LLC	N/A	DE	TIAA	01/13/2014	06/30/2019	316,249							316,249	316,249				
000000-00-0	T-C Mt. Omaney Centre Holding Company LLC	N/A	DE	TIAA	09/26/2014	06/30/2019	1,417,119							1,417,119	1,417,119				
000000-00-0	T-C Europe LP	N/A	DE	TIAA	11/18/2014	06/30/2019	4,443,016							4,443,016	4,443,016				
000000-00-0	T-C UK RE Holdings I LLC	N/A	DE	TIAA	06/17/2016	06/30/2019	2,221,274							2,221,274	2,221,274				
000000-00-0	TGA Japan Holdings, LLC	N/A	DE	TIAA	08/10/2016	06/30/2019	1,294,770							1,294,770	1,294,770				
000000-00-0	TIAA Realty LLC	N/A	DE	TIAA	01/01/2013	06/30/2019	712,855							712,855	712,855				
000000-00-0	TGA APAC Fund Holdings LLC	N/A	DE	TIAA	07/20/2017	06/30/2019	107,812							107,812	107,812				
000000-00-0	CASA Student Housing Fund Holdings LLC	N/A	DE	TIAA	10/08/2014	06/30/2019	20,965							20,965	20,965				
000000-00-0	TGA MS Self Storage Investor Member LLC	N/A	DE	TIAA	09/14/2018	06/30/2019	1,100,306							1,100,306	1,100,306				
1899999. Joint Venture Interests - Real Estate - Affiliated							98,416,405							98,416,405	98,416,405				
000000-00-0	PCCP Credit IX, LP	Dover	DE	Fund Distribution	07/17/2017	06/24/2019	2,477,801							2,477,801	2,477,801				
000000-00-0	PCCP Credit VI, LP	Wilmington	DE	Fund Distribution	06/30/2015	06/26/2019	18,989,377							18,989,377	18,989,377				
000000-00-0	RICHMAC Mortgage Assets Company I, LLC	Wilmington	DE	Fund Distribution	11/26/2008	06/14/2019	78,481							78,481	78,481				
000000-00-0	RICHMAC Mortgage Assets Company II, LLC - Series A	Dover	DE	Fund Distribution	08/27/2012	06/14/2019	161,194							161,194	161,194				
1999999. Joint Venture Interests - Mortgage Loans - Unaffiliated							21,706,853							21,706,853	21,706,853				
000000-00-0	U.S. Core-Plus Real Estate Debt Fund LP	Various		Various	06/01/2018	06/30/2019	833,514							833,514	833,514				
000000-00-0	Global Real Estate Debt Partners - Fund I (UK) SCSp-SIF	Luxembourg	LUX	Fund Distribution	03/30/2015	06/03/2019	9,393,286						772,742	10,166,028	9,393,286	(772,742)		(772,742)	
000000-00-0	Global Real Estate Debt Partners - Fund II	Luxembourg	LUX	Fund Distribution	01/25/2018	04/26/2019	111,854						1,452	113,306	111,854	(1,452)		(1,452)	
000000-00-0	Primary Residential Individual Mortgage Entity Trust	Wilmington	DE	Fund Distribution	11/17/2016	06/25/2019	21,111,248							21,111,248	21,111,248				
2099999. Joint Venture Interests - Mortgage Loans - Affiliated							31,449,902						774,194	32,224,096	31,449,902	(774,194)		(774,194)	
000000-00-0	Atlas Capital Resources, L.P.	Wilmington	DE	Fund Distribution	02/22/2010	04/26/2019	1,683,673							1,683,673	1,683,673				
000000-00-0	Benefit Street Partners Debt Fund IV, LP	Wilmington	DE	Fund Distribution	03/27/2017	04/30/2019	(87,596)							(87,596)	(87,596)				
000000-00-0	Bison Capital Partners IV, L.P.	Wilmington	DE	Fund Distribution	04/25/2012	05/24/2019	161,623							161,623	161,623				
000000-00-0	C-III Capital Partners LLC	Wilmington	DE	Fund Distribution	06/10/2013	05/30/2019	2,286,130							2,286,130	2,286,130				
000000-00-0	Clearwater Capital Partners Fund IV, L.P.	George Town	CYM	Fund Distribution	12/29/2011	04/01/2019	(3,299,469)							(3,299,469)	(3,299,469)				
000000-00-0	Cyrium Investors IV, L.P.	Wilmington	DE	Fund Distribution	12/30/2013	05/16/2019	3,614,926							3,614,926	3,614,926				
000000-00-0	FNMA (RES. DUE 4/25/20)	District of Columbia	DC	Fund Distribution	12/31/1990	06/05/2019	625							625	625				
000000-00-0	Falcon Strategic Partners IV, L.P.	Wilmington	DE	Fund Distribution	12/17/2012	06/24/2019	338,752							338,752	338,752				
000000-00-0	Forum Asian Realty Income II L.P.	George Town	CYM	Liquidation	08/31/2006	05/01/2019		(43,263)				(43,263)		(43,263)	(43,263)				25,723
000000-00-0	Island C-III Holdings V LLC	Wilmington	DE	Fund Distribution	06/06/2014	05/30/2019	95,271							95,271	95,271				
000000-00-0	Lexington Capital Partners VI, LP	Wilmington	DE	Fund Distribution	12/28/2005	06/28/2019	462,505							462,505	462,505				
000000-00-0	NXT Capital Senior Loan Fund II, LP	George Town	CYM	Fund Distribution	08/12/2013	06/27/2019	1,797,762							1,797,762	1,797,762				
000000-00-0	Plexus Fund III, LP	Wilmington	DE	Fund Distribution	09/17/2013	05/16/2019	182,000							182,000	182,000				
000000-00-0	Providence Debt Fund III	Wilmington	DE	Fund Distribution	01/31/2014	06/13/2019	2,546,287							2,546,287	2,546,287				
000000-00-0	Prudential Capital Partners IV, L.P.	Wilmington	DE	Fund Distribution	12/20/2012	06/28/2019	1,917,440							1,917,440	1,917,440				
000000-00-0	Quad-C Partners VIII LP	Wilmington	DE	Fund Distribution	11/26/2012	05/15/2019	6,916,859							6,916,859	6,916,859				
000000-00-0	Royalty Opportunities S.ar.l	Luxembourg	LUX	Fund Distribution	08/30/2011	06/28/2019	47,150							47,150	47,150				
000000-00-0	Summit Partners Credit Fund II, L.P.	Wilmington	DE	Fund Distribution	11/04/2014	06/18/2019	(126,759)							(126,759)	(126,759)				
000000-00-0	Summit Partners Credit Fund, L.P.	Wilmington	DE	Fund Distribution	07/27/2011	06/14/2019	176,985							176,985	176,985				
000000-00-0	TCL Aventura, L.P.	Wilmington	DE	Fund Distribution	10/25/2011	06/28/2019	11,192,500							11,192,500	11,192,500				

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE BA - PART 3

Showing Other Long-Term Invested Assets DISPOSED, Transferred or Repaid During the Current Quarter

1	2	Location		5	6	7	8	Change in Book/Adjusted Carrying Value						15	16	17	18	19	20
		3	4					9	10	11	12	13	14						
CUSIP Identification	Name or Description	City	State	Name of Purchaser or Nature of Disposal	Date Originally Acquired	Disposal Date	Book/Adjusted Carrying Value Less Encumbrances, Prior Year	Unrealized Valuation Increase (Decrease)	Current Year's (Depreciation) or (Amortization)/Accretion	Current Year's Other Than Temporary Impairment Recognized	Capitalized Deferred Interest and Other	Total Change in Book/Adjusted Carrying Value (9+10-11+12)	Total Foreign Exchange Change in Book/Adjusted Carrying Value	Book/Adjusted Carrying Value Less Encumbrances on Disposal	Consideration	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal	Investment Income
000000-00-0	Vestar Capital Partners VI, L.P.	George Town	CYM	Fund Distribution	03/30/2012	05/07/2019	3,539,703							3,539,703	3,539,703				
2199999. Joint Venture Interests - Other - Unaffiliated							33,446,367	(43,263)				(43,263)		33,403,104	33,446,367				25,723
000000-00-0	TIAA-CREF Asset Management Distressed Opportunities Fund, LP	Wilmington	DE	Fund Distribution	01/28/2009	06/25/2019	1,081,955							1,081,955	1,081,955				
000000-00-0	Churchill Middle Market Senior Loan Fund, LP	Wilmington	DE	Fund Distribution	07/21/2016	05/16/2019	239,013							239,013	239,013				
000000-00-0	SBMC Holdings LLC	Wilmington	DE	Fund Distribution	06/19/2013	04/18/2019	1,424,586							1,424,586	1,424,586				
2299999. Joint Venture Interests - Other - Affiliated							2,745,554							2,745,554	2,745,554				
4499999. Total - Unaffiliated							240,487,522	(550,408)				(550,408)	1,921,176	241,858,288	240,487,522	(1,921,176)	(3,933)	(1,925,109)	65,181
4599999. Total - Affiliated							301,828,259						774,194	302,602,453	301,828,259	(774,194)		(774,194)	
4699999 - Totals							542,315,781	(550,408)				(550,408)	2,695,370	544,460,741	542,315,781	(2,695,370)	(3,933)	(2,699,303)	65,181

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 3

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

1	2	3	4	5	6	7	8	9	10
CUSIP Identification	Description	Foreign	Date Acquired	Name of Vendor	Number of Shares of Stock	Actual Cost	Par Value	Paid for Accrued Interest and Dividends	NAIC Designation and Administrative Symbol/Market Indicator (a)
3617AC-CN-8	GN BA0077 4.010% 03/15/44		.06/25/2019	PRUDENTIAL HUNTOON		3,584,169	3,584,169	11,333	1
3617H1-ZD-2	GN BH4340 4.530% 02/15/46		.06/17/2019	WELLS FARGO		4,653,366	4,539,869	12,059	1
3617JF-MA-9	GN BL3053 4.330% 05/15/35		.06/12/2019	WELLS FARGO		1,306,659	1,277,906	2,973	1
36196L-LV-1	GN AX8440 3.340% 07/15/44		.06/12/2019	WELLS FARGO		20,458,498	20,458,498	38,664	1
38373M-VJ-3	GNR 2007-12 Z CSTR DLY Z SEQ 4.557% 02/16/47		.06/01/2019	Interest Capitalization		98,691	98,691		1
38374N-BB-6	GNR 2006-67 Z DLY Z AFC SEQ 5.415% 11/16/46		.06/01/2019	Interest Capitalization		264,163	264,163		1
38374N-V7-9	GNR 2006-63 Z Z AFC SEQ 4.665% 10/16/46		.06/01/2019	Interest Capitalization		145,534	145,534		1
38375C-M2-3	GNR 2012-71 Z SC Z SEQ 3.500% 01/20/42		.06/01/2019	Interest Capitalization		327,625	327,625		1
38375C-M5-6	GNR 2012-71 JZ SC Z SEQ 3.500% 04/16/41		.06/01/2019	Interest Capitalization		247,892	247,892		1
38375C-PC-8	GNR 2012-47 ZP Z AD PAC-11 3.500% 04/20/42		.06/01/2019	Interest Capitalization		253,566	253,566		1
38375C-RN-2	GNR 2012-48 Z Z SEQ 3.500% 04/20/42		.06/01/2019	Interest Capitalization		243,620	243,620		1
38375C-VC-1	GNR 2012-54 VZ Z SEQ 3.500% 04/20/42		.06/01/2019	Interest Capitalization		107,147	107,147		1
38375C-VX-5	GNR 2012-43 Z Z SEQ 3.500% 04/20/42		.06/01/2019	Interest Capitalization		279,381	279,381		1
38375C-WZ-9	GNR 2012-43 HZ Z PAC-11 3.500% 04/20/42		.06/01/2019	Interest Capitalization		111,752	111,752		1
38375G-CG-4	GNR 2012-73 NZ Z AD PAC-1-11 3.500% 06/20/42		.06/01/2019	Interest Capitalization		95,782	95,782		1
38375G-QP-9	GNR 2012-94 BZ Z SEQ 3.500% 07/20/42		.06/01/2019	Interest Capitalization		330,354	330,354		1
38375G-RK-9	GNR 2012-92 Z SC Z SEQ 3.500% 04/20/42		.06/01/2019	Interest Capitalization		239,516	239,516		1
38375J-CK-9	GNR 2006-68 Z Z AFC SEQ 5.454% 05/16/46		.06/01/2019	Interest Capitalization		115,300	115,300		1
38375J-KZ-7	GNR 2007-4 Z CSTR Z SEQ 4.337% 01/16/47		.06/01/2019	Interest Capitalization		207,099	207,099		1
38376C-ZH-5	GNR 2009-76 BZ Z SUP 5.500% 09/16/39		.06/01/2019	Interest Capitalization		104,016	104,016		1
38376F-ZT-2	GNR 2009-74 JZ Z SUP 5.500% 09/20/39		.06/01/2019	Interest Capitalization		1,182	1,182		1
38376K-ZC-8	GNR 2009-97 PZ SC Z SEQ 5.000% 08/16/39		.06/01/2019	Interest Capitalization		396,606	396,606		1
38376L-TP-4	GNR 2011-80 BZ Z SEQ 3.500% 06/16/41		.06/01/2019	Interest Capitalization		145,529	145,529		1
38376P-AK-6	GNR 2009-121 ZA Z AD PAC-1-11 5.000% 12/20/39		.06/01/2019	Interest Capitalization		409,754	409,754		1
38376T-DV-1	GNR 2010-2 PZ Z PAC-1 5.000% 01/20/40		.06/01/2019	Interest Capitalization		815,200	815,200		1
38376T-KH-4	GNR 2010-3 YZ SC Z SEQ 5.000% 12/20/39		.06/01/2019	Interest Capitalization		378,408	378,408		1
38376V-3Z-8	GNR 2010-26 PZ SC Z SEQ 5.000% 01/20/40		.06/01/2019	Interest Capitalization		599,024	599,024		1
38376X-NW-9	GNR 2010-29 CZ Z PAC-1-11 5.000% 03/20/40		.06/01/2019	Interest Capitalization		210,991	210,991		1
38376X-S7-9	GNR 2010-51 WZ Z PAC-1-11 5.000% 04/20/40		.06/01/2019	Interest Capitalization		411,437	411,437		1
38376X-UL-5	GNR 2010-30 PZ Z PAC-1-11 5.000% 03/20/40		.06/01/2019	Interest Capitalization		322,131	322,131		1
38376X-VV-2	GNR 2010-30 ZN Z PAC-1-11 5.000% 03/16/40		.06/01/2019	Interest Capitalization		320,498	320,498		1
38376Y-VH-8	GNR 2010-43 ZM Z PAC-1-11 5.000% 04/20/40		.06/01/2019	Interest Capitalization		408,538	408,538		1
38377G-NK-1	GNR 2010-75 Z Z SEQ 4.000% 06/20/40		.06/01/2019	Interest Capitalization		78,477	78,477		1
38377J-P3-1	GNR 2010-111 ZB Z SUP 4.500% 09/16/40		.06/01/2019	Interest Capitalization		234,987	234,987		1
38377J-PS-6	GNR 2010-98 VZ Z SEQ 4.500% 08/20/40		.06/01/2019	Interest Capitalization		318,188	318,188		1
38377K-A6-7	GNR 2010-112 Z Z SEQ 4.500% 09/16/40		.06/01/2019	Interest Capitalization		227,287	227,287		1
38377K-C9-9	GNR 2010-112 TZ SC Z PAC-11 4.500% 07/20/40		.06/01/2019	Interest Capitalization		430,786	430,786		1
38377M-AZ-6	GNR 2010-146 ZK SC Z AD SEQ 4.500% 06/20/40		.06/01/2019	Interest Capitalization		280,725	280,725		1
38377M-VJ-2	GNR 2010-146 ZC Z PAC-1-11 4.000% 11/16/40		.06/01/2019	Interest Capitalization		160,196	160,196		1
38377N-SS-4	GNR 2010-167 AZ Z AD PAC-11 4.250% 12/20/40		.06/01/2019	Interest Capitalization		214,348	214,348		1
38377N-T2-0	GNR 2010-164 JZ Z SEQ 4.000% 12/20/40		.06/01/2019	Interest Capitalization		110,193	110,193		1
38377N-VD-3	GNR 2010-167 YZ SC Z AD SEQ 4.500% 09/16/40		.06/01/2019	Interest Capitalization		135,487	135,487		1
38377Q-YM-3	GNR 2011-46 ZA Z SEQ 4.500% 03/20/41		.06/01/2019	Interest Capitalization		354,547	354,547		1
38377R-LJ-2	GNR 2010-160 MZ Z AD PAC-1-11 4.500% 12/20/40		.06/01/2019	Interest Capitalization		148,426	148,426		1
38377R-LU-7	GNR 2010-160 ZY Z PAC-11 4.500% 12/20/40		.06/01/2019	Interest Capitalization		570,149	570,149		1
38377T-AZ-1	GNR 2011-23 PZ SC Z SEQ 4.500% 01/20/41		.06/01/2019	Interest Capitalization		243,529	243,529		1
38377T-B5-9	GNR 2011-19 ZC SC Z SEQ 5.000% 05/20/40		.06/01/2019	Interest Capitalization		302,506	302,506		1
38377T-L8-2	GNR 2011-24 Z Z SEQ 3.500% 02/20/41		.06/01/2019	Interest Capitalization		116,403	116,403		1
38377U-O9-2	GNR 2011-48 ZB Z SEQ 4.500% 04/20/41		.06/01/2019	Interest Capitalization		349,205	349,205		1
38377V-BC-9	GNR 2011-51 AZ Z SEQ 4.500% 04/16/41		.06/01/2019	Interest Capitalization		207,029	207,029		1
38377V-CB-0	GNR 2011-51 MZ Z PAC-1-11 4.000% 04/20/41		.06/01/2019	Interest Capitalization		204,437	204,437		1
38377V-CP-9	GNR 2011-51 ZD Z AD PAC-1-11 4.000% 04/20/41		.06/01/2019	Interest Capitalization		137,640	137,640		1
38377W-J8-8	GNR 2011-94 Z Z SEQ 4.000% 07/20/41		.06/01/2019	Interest Capitalization		144,122	144,122		1
38377X-C8-3	GNR 2011-133 MZ Z SEQ 3.500% 09/16/41		.06/01/2019	Interest Capitalization		138,311	138,311		1
38377X-PX-4	GNR 2011-117 ZA SC Z PT 4.500% 04/16/41		.06/01/2019	Interest Capitalization		283,570	283,570		1
38378A-SC-1	GNR 2012-8 PZ Z AD PAC-1-11 4.000% 01/20/42		.06/01/2019	Interest Capitalization		82,378	82,378		1
38378A-R5-2	GNR 2011-160 Z Z SEQ 3.500% 12/20/41		.06/01/2019	Interest Capitalization		232,455	232,455		1
38378A-WZ-0	GNR 2011-157 OZ Z SEQ 3.500% 12/20/41		.06/01/2019	Interest Capitalization		189,192	189,192		1

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 3

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

1	2	3	4	5	6	7	8	9	10
CUSIP Identification	Description	Foreign	Date Acquired	Name of Vendor	Number of Shares of Stock	Actual Cost	Par Value	Paid for Accrued Interest and Dividends	NAIC Designation and Administrative Symbol/Market Indicator (a)
38378A-X7-1	GNR 2011-158 KZ SC Z SEQ 4.500% 05/20/41		.06/01/2019	Interest Capitalization		.404,243	.404,243		1
38378A-YX-3	GNR 2011-157 ZC EXCH SC Z PAC-11 4.000% 04/16/41		.06/01/2019	Interest Capitalization		.210,860	.210,860		1
38378C-3P-0	GNR 2012-26 ZA Z SEQ 3.500% 02/20/42		.06/01/2019	Interest Capitalization		.221,897	.221,897		1
38378C-CV-7	GNR 2011-169 AZ Z SEQ 3.500% 12/20/41		.06/01/2019	Interest Capitalization		.166,597	.166,597		1
38378C-E6-0	GNR 2012-3 HZ Z SEQ 3.500% 01/20/42		.06/01/2019	Interest Capitalization		.187,982	.187,982		1
38378C-LR-6	GNR 2012-13 ZK Z SEQ 3.500% 01/20/42		.06/01/2019	Interest Capitalization		.578,625	.578,625		1
38378C-NT-0	GNR 2012-7 Z Z SEQ 3.500% 01/20/42		.06/01/2019	Interest Capitalization		.275,610	.275,610		1
38378C-PL-5	GNR 2012-7 JZ Z SEQ 3.500% 01/20/42		.06/01/2019	Interest Capitalization		.145,854	.145,854		1
38378C-ZW-0	GNR 2012-5 Z Z SEQ 3.500% 01/20/42		.06/01/2019	Interest Capitalization		.676,398	.676,398		1
38378D-CV-5	GNR 2012-16 VZ Z SEQ 3.500% 02/20/42		.06/01/2019	Interest Capitalization		1,043,659	1,043,659		1
38378D-DK-8	GNR 2012-16 ZP Z PAC-11 3.500% 02/20/42		.06/01/2019	Interest Capitalization		.257,329	.257,329		1
38378D-DP-7	GNR 2012-16 ZG SC Z PAC-11 4.000% 09/20/40		.06/01/2019	Interest Capitalization		.97,648	.97,648		1
38378D-E8-4	GNR 2012-31 ZP Z PAC-11 3.500% 03/20/42		.06/01/2019	Interest Capitalization		.125,360	.125,360		1
38378D-F6-7	GNR 2012-31 GZ Z SEQ 3.500% 03/20/42		.06/01/2019	Interest Capitalization		.202,727	.202,727		1
38378D-MD-4	GNR 2012-20 CZ Z SEQ 3.500% 02/20/42		.06/01/2019	Interest Capitalization		.450,825	.450,825		1
38378E-ZM-4	GNR 2012-91 ZD Z SEQ 3.500% 07/20/42		.06/01/2019	Interest Capitalization		.134,968	.134,968		1
38378E-BG-7	GNR 2012-51 ZM Z SEQ 3.500% 04/16/42		.06/01/2019	Interest Capitalization		.173,149	.173,149		1
38378E-BU-6	GNR 2012-51 ZQ Z AD PAC-11 3.500% 04/20/42		.06/01/2019	Interest Capitalization		.126,828	.126,828		1
38378E-JN-4	GNR 2012-65 BZ Z SEQ 3.500% 05/20/42		.06/01/2019	Interest Capitalization		.167,141	.167,141		1
38378E-TD-5	GNR 2012-68 CZ Z SEQ 3.000% 05/20/42		.06/01/2019	Interest Capitalization		.104,037	.104,037		1
38378E-ZG-1	GNR 2012-64 ZA Z SEQ 3.500% 05/16/42		.06/01/2019	Interest Capitalization		.152,655	.152,655		1
38378G-DU-9	GNR 2012-140 ZT SC Z AD SEQ 3.000% 02/20/42		.06/01/2019	Interest Capitalization		.126,525	.126,525		1
38378G-HR-2	GNR 2012-129 Z Z SEQ 3.000% 11/20/42		.06/01/2019	Interest Capitalization		.120,280	.120,280		1
38378J-AB-5	GNR 2013-75 ZG Z SEQ 3.000% 05/20/43		.06/01/2019	Interest Capitalization		.89,673	.89,673		1
38378J-NQ-1	GNR 2013-37 ZG Z SEQ 3.000% 03/20/43		.06/01/2019	Interest Capitalization		.74,826	.74,826		1
38378M-BD-6	GNR 2013-23 ZC Z SEQ 3.000% 02/20/43		.06/01/2019	Interest Capitalization		.633,485	.633,485		1
38378M-BJ-3	GNR 2013-23 ZU SC Z SEQ 2.500% 11/20/42		.06/01/2019	Interest Capitalization		.316,637	.316,637		1
38378M-UE-3	GNR 2013-53 Z Z SEQ 3.000% 04/20/43		.06/01/2019	Interest Capitalization		.84,179	.84,179		1
38378P-ZM-9	GNR 2014-4 Z Z SEQ 4.000% 01/20/44		.06/01/2019	Interest Capitalization		.135,682	.135,682		1
38378P-A7-3	GNR 2014-10 BZ EXCH Z SEQ 2.500% 01/16/44		.06/01/2019	Interest Capitalization		.187,324	.187,324		1
38378P-CB-2	GNR 2013-192 MZ Z SEQ 3.500% 12/20/43		.06/01/2019	Interest Capitalization		.120,908	.120,908		1
38378P-F7-8	GNR 2014-12 NZ Z SEQ 3.000% 01/20/44		.06/01/2019	Interest Capitalization		.388,990	.388,990		1
38378P-KX-5	GNR 2013-188 DZ Z SEQ 2.500% 12/20/43		.06/01/2019	Interest Capitalization		.296,920	.296,920		1
38378T-HD-5	GNR 2013-79 Z Z SEQ 3.000% 05/20/43		.06/01/2019	Interest Capitalization		.132,038	.132,038		1
38378T-KY-5	GNR 2013-70 ZA Z SEQ 3.500% 05/20/43		.06/01/2019	Interest Capitalization		.102,661	.102,661		1
38378T-XH-8	GNR 2013-90 Z Z SEQ 3.500% 06/20/43		.06/01/2019	Interest Capitalization		.115,806	.115,806		1
38378T-YM-6	GNR 2013-90 BZ Z SEQ 3.500% 06/20/43		.06/01/2019	Interest Capitalization		.107,287	.107,287		1
38378V-V6-9	GNR 2013-117 VZ Z SEQ 3.500% 08/20/43		.06/01/2019	Interest Capitalization		.165,756	.165,756		1
38378V-V8-5	GNR 2013-117 AZ Z SEQ 3.500% 08/20/43		.06/01/2019	Interest Capitalization		.192,252	.192,252		1
38378W-VN-0	GNR 2013-124 BZ Z SEQ 3.500% 08/20/43		.06/01/2019	Interest Capitalization		.372,848	.372,848		1
38378Y-ZL-6	GNR 2014-3 AZ Z SEQ 3.000% 01/20/44		.06/01/2019	Interest Capitalization		.167,008	.167,008		1
38379C-WH-5	GNR 2014-90 Z Z SEQ 3.500% 06/20/44		.06/01/2019	Interest Capitalization		.133,442	.133,442		1
38380C-P9-8	GNR 2017-26 ZB EXCH SC Z PAC PT 3.000% 02/20/47		.06/01/2019	Interest Capitalization		.154,641	.154,641		1
38380C-PQ-0	GNR 2017-5 LZ SC Z SEQ 3.000% 12/20/46		.06/01/2019	Interest Capitalization		.99,494	.99,494		1
38381A-2F-2	GNR 2018-155 AY SC PT 3.500% 10/20/48		.04/24/2019	CREDIT SUISSE SECURITIES US LL		.12,113,811	.12,116,567	.33,038	1
38381A-XE-1	GNR 2018-154 GZ Z SEQ 4.000% 11/20/48		.06/01/2019	Interest Capitalization		.103,244	.103,244		1
38381B-GK-4	GNR 2018-168 EY EXCH SEQ 3.500% 12/20/48		.04/05/2019	CITIGROUP GLOBAL MARKETS INC		.20,672,944	.20,763,786	.18,168	1
912828-6T-2	US TREASURY N/B United States Treasury No 2.37 2.375% 05/15/29		.06/28/2019	ROYAL BANK OF SCOTLAND		.129,048	.125,000	.379	1
0599999. Subtotal - Bonds - U.S. Governments						86,730,102	86,697,402	116,614	XXX
401494-AR-0	REPUBLIC OF GUATEMALA SR UNSEC 6.125% 06/01/50	D	.05/23/2019	CITIGROUP GLOBAL MARKETS INC		.7,766,964	.7,900,000		3FE
438180-AH-4	HONDURAS GOVERNMENT SR UNSEC 6.250% 01/19/27	D	.05/24/2019	JEFFERIES & CO. INC.		.3,180,000	.3,000,000	.67,708	4FE
50048M-CS-7	KOMMUNALBANKEN AS UNSEC 2.000% 06/19/24	D	.06/12/2019	CITIGROUP GLOBAL MARKETS INC		.998,680	.1,000,000		1FE
62987B-AB-8	REPUBLIC OF NAMIBIA SR UNSEC 5.250% 10/29/25	D	.05/28/2019	HSBC SECURITIES USA INC		.4,925,000	.5,000,000	.22,604	3FE
65412J-AD-5	REPUBLIC OF NIGERIA SR UNSEC 7.143% 02/23/30	D	.05/24/2019	CITIGROUP GLOBAL MARKETS INC		.4,880,000	.5,000,000	.95,240	4FE
836205-AS-3	REPUBLIC OF SOUTH AFRICA SR UNSEC 5.375% 07/24/44	D	.05/24/2019	ABSA BANK LIMITED		.2,812,500	.3,000,000	.55,990	3FE
Z30616-84-8	ARAB REPUBLIC OF EGYPT SR UNSEC 6.375% 04/11/31	B	.04/04/2019	STANDARD CHARTERED BANK		.5,050,562	.5,050,562		4FE
1099999. Subtotal - Bonds - All Other Governments						29,613,706	29,950,562	241,542	XXX

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 3

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

1	2	3	4	5	6	7	8	9	10
CUSIP Identification	Description	Foreign	Date Acquired	Name of Vendor	Number of Shares of Stock	Actual Cost	Par Value	Paid for Accrued Interest and Dividends	NAIC Designation and Administrative Symbol/Market Indicator (a)
13034A-C8-1	CALIFORNIA ST INFRASTRUCTURE & California Infrastructure 3.99		.05/02/2019	BANK OF AMERICA		2,270,000	2,270,000		1FE
13034A-C9-9	CALIFORNIA ST INFRASTRUCTURE & California Infrastructure 4.09		.05/02/2019	BANK OF AMERICA		5,800,000	5,800,000		1FE
3136A1-FH-3	FNR 2011-98 ZA Z SEQ 3.500% 10/25/41		.06/01/2019	Interest Capitalization		927,635	927,635		1
3136A1-KE-4	FNR 2011-99 CZ Z SEQ 4.500% 10/25/41		.06/01/2019	Interest Capitalization		158,154	158,154		1
3136A4-3X-5	FNR 2012-38 ZB Z SEQ 4.000% 04/25/42		.06/01/2019	Interest Capitalization		265,386	265,386		1
3136A4-6H-7	FNR 2012-37 EZ Z SEQ 3.500% 04/25/42		.06/01/2019	Interest Capitalization		120,206	120,206		1
3136A5-ER-3	FNR 2012-36 JZ EXCH Z AD PAC-11 3.500% 04/25/42		.06/01/2019	Interest Capitalization		181,902	181,902		1
3136A5-X8-4	FNR 2012-50 Z Z SEQ 4.000% 05/25/42		.06/01/2019	Interest Capitalization		150,172	150,172		1
3136A5-Y9-1	FNR 2012-50 LZ Z PAC-11 3.500% 05/25/42		.06/01/2019	Interest Capitalization		128,462	128,462		1
3136A6-5T-7	FNR 2012-73 ZM EXCH Z SEQ 4.000% 07/25/42		.06/01/2019	Interest Capitalization		1,183,580	1,183,580		1
3136A6-JN-5	FNR 2012-58 LZ Z SEQ 3.500% 06/25/42		.06/01/2019	Interest Capitalization		111,817	111,817		1
3136A6-KK-9	FNR 2012-58 AZ Z SEQ 4.000% 06/25/42		.06/01/2019	Interest Capitalization		133,394	133,394		1
3136A6-MA-3	FNR 2012-76 ZC Z SEQ 4.000% 07/25/42		.06/01/2019	Interest Capitalization		200,950	200,950		1
3136A6-NA-2	FNR 2012-76 ZG Z SEQ 4.000% 07/25/42		.06/01/2019	Interest Capitalization		362,433	362,433		1
3136A6-PA-0	FNR 2012-76 DZ Z SEQ 4.000% 07/25/42		.06/01/2019	Interest Capitalization		1,158,628	1,158,628		1
3136A6-TK-0	FNR 2012-63 MZ Z AD PAC-11 4.000% 06/25/42		.06/01/2019	Interest Capitalization		131,813	131,813		1
3136A6-UC-6	FNR 2012-63 JZ Z AD PAC-11 3.500% 06/25/42		.06/01/2019	Interest Capitalization		266,701	266,701		1
3136A6-UR-3	FNR 2012-63 ZA Z SEQ 4.000% 06/25/42		.06/01/2019	Interest Capitalization		1,579,984	1,579,984		1
3136A6-UI-2	FNR 2012-63 ZG Z SEQ 4.000% 06/25/42		.06/01/2019	Interest Capitalization		351,873	351,873		1
3136A6-XD-1	FNR 2012-56 ZM Z SEQ 4.000% 06/25/42		.06/01/2019	Interest Capitalization		380,897	380,897		1
3136A7-6T-4	FNR 2012-101 Z Z SEQ 3.500% 09/25/42		.06/01/2019	Interest Capitalization		289,106	289,106		1
3136A7-CU-4	FNR 2012-68 ZB Z SEQ 3.500% 07/25/42		.06/01/2019	Interest Capitalization		132,435	132,435		1
3136A7-F5-6	FNR 2012-85 Z Z SEQ 3.500% 08/25/42		.06/01/2019	Interest Capitalization		139,170	139,170		1
3136A7-RT-1	FNR 2012-90 ZE Z SEQ 3.500% 08/25/42		.06/01/2019	Interest Capitalization		458,375	458,375		1
3136A7-UN-0	FNR 2012-80 LZ Z SEQ 4.000% 08/25/42		.06/01/2019	Interest Capitalization		188,623	188,623		1
3136A7-UU-4	FNR 2012-80 AZ Z SEQ 3.500% 08/25/42		.06/01/2019	Interest Capitalization		440,627	440,627		1
3136A7-V9-0	FNR 2012-89 Z Z SEQ 4.000% 08/25/42		.06/01/2019	Interest Capitalization		468,159	468,159		1
3136A7-WY-4	FNR 2012-87 VZ Z SEQ 3.000% 08/25/42		.06/01/2019	Interest Capitalization		186,145	186,145		1
3136A7-X0-0	FNR 2012-87 Z Z SEQ 3.000% 08/25/42		.06/01/2019	Interest Capitalization		107,879	107,879		1
3136A7-XX-5	FNR 2012-87 NZ Z SEQ 3.500% 08/25/42		.06/01/2019	Interest Capitalization		87,516	87,516		1
3136A8-AZ-3	FNR 2012-98 VZ Z SEQ 4.000% 09/25/42		.06/01/2019	Interest Capitalization		366,061	366,061		1
3136A8-D6-4	FNR 2012-103 ZC EXCH Z SEQ 3.500% 09/25/42		.06/01/2019	Interest Capitalization		333,605	333,605		1
3136A8-JK-7	FNR 2012-93 ZG Z AD PAC-11 3.000% 09/25/42		.06/01/2019	Interest Capitalization		124,964	124,964		1
3136A9-2X-5	FNR 2012-118 ZV Z SEQ 3.000% 11/25/42		.06/01/2019	Interest Capitalization		238,548	238,548		1
3136A9-3C-0	FNR 2012-118 DZ Z SEQ 3.000% 11/25/42		.06/01/2019	Interest Capitalization		220,024	220,024		1
3136A9-JV-1	FNR 2012-110 BZ Z SEQ 3.500% 10/25/42		.06/01/2019	Interest Capitalization		112,053	112,053		1
3136A9-LM-8	FNR 2012-114 ZG Z SEQ 3.500% 10/25/42		.06/01/2019	Interest Capitalization		542,336	542,336		1
3136A9-V8-8	FNR 2012-124 ZL Z SEQ 3.500% 11/25/42		.06/01/2019	Interest Capitalization		181,043	181,043		1
3136A9-Y9-3	FNR 2012-124 ZD Z SEQ 3.500% 11/25/42		.06/01/2019	Interest Capitalization		207,090	207,090		1
3136AA-HW-8	FNR 2012-135 Z Z SEQ 3.000% 12/25/42		.06/01/2019	Interest Capitalization		120,453	120,453		1
3136AB-2N-2	FNR 2013-11 Z Z SEQ 3.000% 02/25/43		.06/01/2019	Interest Capitalization		235,225	235,225		1
3136AB-CK-7	FNR 2012-147 GZ Z SEQ 3.500% 01/25/43		.06/01/2019	Interest Capitalization		126,339	126,339		1
3136AB-CT-8	FNR 2012-147 HZ Z SEQ 3.500% 01/25/43		.06/01/2019	Interest Capitalization		89,242	89,242		1
3136AB-E7-4	FNR 2013-5 BZ Z SEQ 3.500% 02/25/43		.06/01/2019	Interest Capitalization		119,175	119,175		1
3136AB-Q2-2	FNR 2013-6 ZM Z SEQ 3.500% 02/25/43		.06/01/2019	Interest Capitalization		226,279	226,279		1
3136AB-YK-3	FNR 2013-1 ZV Z SEQ 3.000% 02/25/43		.06/01/2019	Interest Capitalization		185,026	185,026		1
3136AC-5D-9	FNR 2013-28 ZJ Z SUP 3.000% 04/25/43		.06/01/2019	Interest Capitalization		103,668	103,668		1
3136AC-F8-9	FNR 2013-13 Z Z SEQ 3.000% 03/25/43		.06/01/2019	Interest Capitalization		93,388	93,388		1
3136AC-HW-4	FNR 2013-17 PZ Z SEQ 3.000% 03/25/43		.06/01/2019	Interest Capitalization		222,806	222,806		1
3136AC-P6-2	FNR 2013-15 VZ Z SEQ 3.500% 03/25/43		.06/01/2019	Interest Capitalization		218,278	218,278		1
3136AC-S8-5	FNR 2013-15 MZ Z SEQ 3.500% 03/25/43		.06/01/2019	Interest Capitalization		310,079	310,079		1
3136AC-W9-8	FNR 2013-15 LZ EXCH SC Z PAC SEQ 3.000% 03/25/43		.06/01/2019	Interest Capitalization		267,300	267,300		1
3136AD-GE-3	FNR 2013-31 ZN Z SUP 3.000% 04/25/43		.06/01/2019	Interest Capitalization		174,028	174,028		1
3136AD-HC-6	FNR 2013-31 Z EXCH Z SEQ 3.500% 04/25/43		.06/01/2019	Interest Capitalization		182,721	182,721		1
3136AD-HQ-5	FNR 2013-32 ZB Z SEQ 4.000% 04/25/43		.06/01/2019	Interest Capitalization		452,333	452,333		1
3136AD-S3-4	FNR 2013-41 ZY Z SEQ 3.500% 05/25/43		.06/01/2019	Interest Capitalization		215,828	215,828		1
3136AD-YD-5	FNR 2013-27 Z Z SEQ 3.500% 04/25/43		.06/01/2019	Interest Capitalization		108,229	108,229		1
3136AE-2F-3	FNR 2013-70 ZM Z SEQ 3.500% 07/25/43		.06/01/2019	Interest Capitalization		256,192	256,192		1



STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 3

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

1	2	3	4	5	6	7	8	9	10
CUSIP Identification	Description	Foreign	Date Acquired	Name of Vendor	Number of Shares of Stock	Actual Cost	Par Value	Paid for Accrued Interest and Dividends	NAIC Designation and Administrative Symbol/Market Indicator (a)
3136AE-5G-8	FNR 2013-74 HZ Z SEQ 3.000% 07/25/43		.06/01/2019	Interest Capitalization		107,189	107,189		1
3136AE-5R-4	FNR 2013-74 ZG Z SEQ 4.000% 07/25/43		.06/01/2019	Interest Capitalization		127,019	127,019		1
3136AE-BD-8	FNR 2013-47 MZ Z SEQ 4.000% 05/25/43		.06/01/2019	Interest Capitalization		137,242	137,242		1
3136AE-ET-0	FNR 2013-53 CZ Z SEQ 3.500% 06/25/43		.06/01/2019	Interest Capitalization		248,846	248,846		1
3136AE-EX-1	FNR 2013-53 ZC Z SEQ 3.000% 06/25/43		.06/01/2019	Interest Capitalization		303,555	303,555		1
3136AF-6F-6	FNR 2013-90 AZ Z SEQ 4.000% 09/25/43		.06/01/2019	Interest Capitalization		250,789	250,789		1
3136AF-AQ-7	FNR 2013-79 UZ Z SEQ 3.500% 07/25/43		.06/01/2019	Interest Capitalization		312,285	312,285		1
3136AF-ER-1	FNR 2013-67 LZ Z SEQ 3.000% 07/25/43		.06/01/2019	Interest Capitalization		241,069	241,069		1
3136AF-FB-5	FNR 2013-67 VZ Z SEQ 4.000% 07/25/43		.06/01/2019	Interest Capitalization		431,143	431,143		1
3136AF-U6-9	FNR 2013-83 ZC Z SEQ 3.500% 08/25/43		.06/01/2019	Interest Capitalization		283,645	283,645		1
3136AF-VW-1	FNR 2013-66 MZ Z SEQ 3.000% 07/25/43		.06/01/2019	Interest Capitalization		82,551	82,551		1
3136AF-ZE-7	FNR 2013-80 ZV Z SEQ 4.000% 08/25/43		.06/01/2019	Interest Capitalization		377,437	377,437		1
3136AG-EU-2	FNR 2013-98 ZM Z SUP 4.500% 09/25/43		.06/01/2019	Interest Capitalization		315,198	315,198		1
3136AG-GT-3	FNR 2013-91 CZ Z SEQ 4.000% 09/25/43		.06/01/2019	Interest Capitalization		348,429	348,429		1
3136AG-LN-0	FNR 2013-93 ZV Z SEQ 3.500% 09/25/43		.06/01/2019	Interest Capitalization		232,323	232,323		1
3136AG-TQ-5	FNR 2013-100 CZ Z SEQ 4.000% 10/25/43		.06/01/2019	Interest Capitalization		336,715	336,715		1
3136AH-3L-2	FNR 2014-7 Z Z SEQ 3.500% 02/25/44		.06/01/2019	Interest Capitalization		423,357	423,357		1
3136AH-5D-8	FNR 2014-5 DZ SC Z SEQ 4.000% 01/25/42		.06/01/2019	Interest Capitalization		115,771	115,771		1
3136AH-CF-5	FNR 2013-118 Z Z SEQ 3.500% 12/25/43		.06/01/2019	Interest Capitalization		169,178	169,178		1
3136AJ-5U-6	FNR 2014-27 ZC Z SEQ 4.000% 05/25/44		.06/01/2019	Interest Capitalization		151,624	151,624		1
3136AJ-C6-1	FNR 2014-26 GZ Z SEQ 3.000% 05/25/44		.06/01/2019	Interest Capitalization		168,973	168,973		1
3136AJ-D2-9	FNR 2014-26 KZ Z SEQ 4.000% 05/25/44		.06/01/2019	Interest Capitalization		226,406	226,406		1
3136AJ-GY-6	FNR 2014-11 Z SC Z SEQ 4.500% 04/25/42		.06/01/2019	Interest Capitalization		162,199	162,199		1
3136AJ-K9-6	FNR 2014-28 ZA Z SEQ 3.000% 05/25/44		.06/01/2019	Interest Capitalization		323,148	323,148		1
3136AJ-PR-1	FNR 2014-19 ZJ Z SEQ 4.500% 04/25/44		.06/01/2019	Interest Capitalization		404,641	404,641		1
3136AK-6J-7	FNR 2014-65 DZ Z SEQ 3.500% 10/25/44		.06/01/2019	Interest Capitalization		238,709	238,709		1
3136AK-KA-0	FNR 2014-41 ZB EXCH Z SEQ 3.000% 07/25/44		.06/01/2019	Interest Capitalization		179,065	179,065		1
3136AK-S5-3	FNR 2014-53 VZ Z SEQ 3.500% 09/25/44		.06/01/2019	Interest Capitalization		507,547	507,547		1
3136AK-V5-9	FNR 2014-55 MZ Z SEQ 3.000% 09/25/44		.06/01/2019	Interest Capitalization		222,040	222,040		1
3136AK-VH-3	FNR 2014-46 DZ EXCH Z SEQ 3.000% 08/25/44		.06/01/2019	Interest Capitalization		252,695	252,695		1
3136AK-YQ-0	FNR 2014-56 ZE Z SEQ 3.500% 09/25/44		.06/01/2019	Interest Capitalization		103,001	103,001		1
3136AK-ZL-0	FNR 2014-59 ZB Z SEQ 3.000% 09/25/44		.06/01/2019	Interest Capitalization		234,132	234,132		1
3136AL-DZ-1	FNR 2014-60 LZ Z SEQ 3.500% 10/25/44		.06/01/2019	Interest Capitalization		315,620	315,620		1
3136AL-EY-3	FNR 2014-66 VZ Z SEQ 3.000% 10/25/44		.06/01/2019	Interest Capitalization		193,922	193,922		1
3136AL-NX-5	FNR 2014-76 Z Z SEQ 3.500% 11/25/44		.06/01/2019	Interest Capitalization		286,727	286,727		1
3136AL-VH-0	FNR 2014-70 DZ EXCH Z SEQ 3.000% 11/25/44		.06/01/2019	Interest Capitalization		161,710	161,710		1
3136AM-4R-7	FNR 2015-23 ZA Z SEQ 3.500% 04/25/45		.06/01/2019	Interest Capitalization		149,847	149,847		1
3136AR-HF-2	FNR 2016-13 Z Z SEQ 4.000% 03/25/46		.06/01/2019	Interest Capitalization		176,462	176,462		1
3136AR-VT-2	FNR 2016-17 ZB Z SEQ 4.000% 04/25/46		.06/01/2019	Interest Capitalization		149,338	149,338		1
3136AT-5W-0	FNR 2016-81 PZ Z AD PAC-11 3.000% 11/25/46		.06/01/2019	Interest Capitalization		156,474	156,474		1
3136AU-6P-1	FNR 2017-2 ZH Z SEQ 3.000% 02/25/47		.06/01/2019	Interest Capitalization		116,413	116,413		1
3136AU-6T-3	FNR 2017-2 ZE Z SEQ 3.000% 02/25/47		.06/01/2019	Interest Capitalization		125,094	125,094		1
3136AU-SE-2	FNR 2016-92 ZA Z SEQ 3.000% 12/25/46		.06/01/2019	Interest Capitalization		182,571	182,571		1
3136AU-U3-3	FNR 2016-104 CZ Z SEQ 3.500% 01/25/47		.06/01/2019	Interest Capitalization		110,238	110,238		1
3136AV-CF-4	FNR 2017-5 DZ Z SEQ 3.000% 02/25/47		.06/01/2019	Interest Capitalization		80,872	80,872		1
3136AV-GE-3	FNR 2017-13 MZ Z SEQ 3.000% 02/25/47		.06/01/2019	Interest Capitalization		162,686	162,686		1
3136AV-H9-3	FNR 2017-17 ZL Z SEQ 3.000% 03/25/47		.06/01/2019	Interest Capitalization		312,784	312,784		1
3136AV-HM-4	FNR 2017-4 ZA Z SEQ 3.500% 02/25/47		.06/01/2019	Interest Capitalization		634,213	634,213		1
3136AV-J6-7	FNR 2017-17 ZE Z SEQ 3.000% 03/25/47		.06/01/2019	Interest Capitalization		176,918	176,918		1
3136AV-LL-1	FNR 2017-15 MZ Z SEQ 3.000% 03/25/47		.06/01/2019	Interest Capitalization		175,421	175,421		1
3136AV-ME-6	FNR 2017-15 CZ Z SEQ 3.000% 03/25/47		.06/01/2019	Interest Capitalization		109,373	109,373		1
3136AV-PX-1	FNR 2017-18 Z Z SEQ 3.000% 03/25/47		.06/01/2019	Interest Capitalization		152,303	152,303		1
3136AV-QN-2	FNR 2017-18 CZ Z SEQ 3.000% 03/25/47		.06/01/2019	Interest Capitalization		232,263	232,263		1
3136AV-R6-8	FNR 2017-24 Z Z SEQ 3.000% 04/25/47		.06/01/2019	Interest Capitalization		114,845	114,845		1
3136AV-SF-7	FNR 2017-11 ZE Z SEQ 3.000% 03/25/47		.06/01/2019	Interest Capitalization		463,238	463,238		1
3136AV-TV-1	FNR 2017-12 TZ Z SEQ 3.000% 03/25/47		.06/01/2019	Interest Capitalization		200,077	200,077		1
3136AV-VW-6	FNR 2017-14 Z Z SEQ 3.000% 03/25/47		.06/01/2019	Interest Capitalization		89,314	89,314		1
3136AV-XM-6	FNR 2017-9 EZ Z SEQ 3.000% 03/25/47		.06/01/2019	Interest Capitalization		262,564	262,564		1

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 3

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

1	2	3	4	5	6	7	8	9	10
CUSIP Identification	Description	Foreign	Date Acquired	Name of Vendor	Number of Shares of Stock	Actual Cost	Par Value	Paid for Accrued Interest and Dividends	NAIC Designation and Administrative Symbol/Market Indicator (a)
3136AV-XQ-7	FNR 2017-9 ZJ Z SEQ 3.000% 03/25/47		.06/01/2019	Interest Capitalization		80,031	80,031		1
3136AW-F5-1	FNR 2017-46 ZA Z SEQ 3.000% 06/25/47		.06/01/2019	Interest Capitalization		380,621	380,621		1
3136AW-LU-9	FNR 2017-32 GZ Z SEQ 3.500% 05/25/47		.06/01/2019	Interest Capitalization		135,807	135,807		1
3136AW-QK-6	FNR 2017-30 ZH Z SEQ 3.000% 05/25/47		.06/01/2019	Interest Capitalization		134,322	134,322		1
3136AW-QN-0	FNR 2017-30 ZG Z SEQ 3.000% 05/25/47		.06/01/2019	Interest Capitalization		349,711	349,711		1
3136AW-XM-4	FNR 2017-41 Z Z SEQ 3.000% 06/25/47		.06/01/2019	Interest Capitalization		223,287	223,287		1
3136AX-U7-8	FNR 2017-72 PZ Z PAC 3.000% 09/25/47		.06/01/2019	Interest Capitalization		113,516	113,516		1
3136AY-TP-8	FNR 2017-86 PZ Z AD PAC 3.000% 11/25/47		.06/01/2019	Interest Capitalization		109,646	109,646		1
3136AY-IUJ-8	FNR 2017-89 LZ Z AD PAC 3.000% 11/25/47		.06/01/2019	Interest Capitalization		134,891	134,891		1
3136B0-4H-6	FNR 2018-13 ZE Z SEQ 3.000% 03/25/48		.06/01/2019	Interest Capitalization		77,668	77,668		1
3136B1-5S-9	FNR 2018-37 MZ Z SEQ 4.000% 06/25/48		.06/01/2019	Interest Capitalization		146,071	146,071		1
3136B1-BL-7	FNR 2018-16 TZ Z SEQ 3.000% 03/25/48		.06/01/2019	Interest Capitalization		97,670	97,670		1
3136B1-X4-1	FNR 2018-46 CZ Z SEQ 3.500% 06/25/48		.06/01/2019	Interest Capitalization		252,994	252,994		1
3136B2-FB-3	FNR 2018-45 KZ Z SEQ 4.000% 06/25/48		.06/01/2019	Interest Capitalization		197,923	197,923		1
3136B3-EW-6	FNR 2018-78 ZB Z 4.000% 10/25/48		.06/01/2019	Interest Capitalization		90,934	90,934		1
3136B3-K6-6	FNR 2019-5 Z Z SEQ 3.500% 03/25/49		.04/16/2019	JP MORGAN SECURITIES		24,196,693	24,358,449	49,732	1
3136B3-K6-6	FNR 2019-5 Z Z SEQ 3.500% 03/25/49		.06/01/2019	Interest Capitalization		142,298	142,298		1
3136B3-PX-2	FNR 2018-88 BZ Z 4.000% 12/25/48		.06/01/2019	Interest Capitalization		367,224	367,224		1
3137A3-4Y-2	FHR 3763 ZW Z PAC-11 4.500% 11/15/40		.06/01/2019	Interest Capitalization		296,175	296,175		1
3137AF-GW-6	FHR 3925 Z Z SEQ 4.000% 09/15/41		.06/01/2019	Interest Capitalization		404,075	404,075		1
3137AL-QD-4	FHR 4003 WZ Z SEQ 3.500% 02/15/42		.06/01/2019	Interest Capitalization		112,414	112,414		1
3137AM-3B-1	FHR 4002 MZ Z SEQ 4.000% 02/15/42		.06/01/2019	Interest Capitalization		106,508	106,508		1
3137AM-E3-7	FHR 3997 YZ Z SEQ 4.000% 02/15/42		.06/01/2019	Interest Capitalization		266,269	266,269		1
3137AP-BW-9	FHR 4033 ZE Z SEQ 4.000% 04/15/42		.06/01/2019	Interest Capitalization		403,962	403,962		1
3137AP-EN-6	FHR 4028 ZA Z SEQ 4.000% 04/15/42		.06/01/2019	Interest Capitalization		586,217	586,217		1
3137AQ-JJ-3	FHR 4050 CZ Z SEQ 4.000% 05/15/42		.06/01/2019	Interest Capitalization		329,530	329,530		1
3137AQ-LC-0	FHR 4050 MZ EXCH Z PAC-1-11 3.500% 05/15/42		.06/01/2019	Interest Capitalization		173,592	173,592		1
3137AR-FR-2	FHR 4062 BZ Z SEQ 3.500% 06/15/42		.06/01/2019	Interest Capitalization		118,647	118,647		1
3137AR-M2-9	FHR 4057 ZB Z SEQ 3.500% 06/15/42		.06/01/2019	Interest Capitalization		333,309	333,309		1
3137AR-UE-4	FHR 4086 Z Z SEQ 3.500% 07/15/42		.06/01/2019	Interest Capitalization		263,102	263,102		1
3137AR-WY-8	FHR 4073 HZ EXCH Z SEQ 4.000% 07/15/42		.06/01/2019	Interest Capitalization		397,730	397,730		1
3137AR-ZW-9	FHR 4083 MZ Z SEQ 4.000% 07/15/42		.06/01/2019	Interest Capitalization		320,543	320,543		1
3137AS-5V-2	FHR 4087 VZ Z SEQ 4.000% 07/15/42		.06/01/2019	Interest Capitalization		141,555	141,555		1
3137AT-VH-2	FHR 4113 ZA Z SEQ 3.500% 09/15/42		.06/01/2019	Interest Capitalization		201,767	201,767		1
3137AU-6C-8	FHR 4110 BZ Z SEQ 3.500% 09/15/42		.04/24/2019	WELLS FARGO		14,283,706	14,346,472	39,054	1
3137AU-6C-8	FHR 4110 BZ Z SEQ 3.500% 09/15/42		.06/01/2019	Interest Capitalization		83,809	83,809		1
3137AU-A6-6	FHR 4103 DZ Z SEQ 3.000% 09/15/42		.06/01/2019	Interest Capitalization		183,399	183,399		1
3137AV-3V-7	FHR 4122 ZJ Z SEQ 3.500% 10/15/42		.06/01/2019	Interest Capitalization		362,004	362,004		1
3137AV-3X-3	FHR 4122 ZN Z SEQ 3.500% 10/15/42		.06/01/2019	Interest Capitalization		245,689	245,689		1
3137AV-4E-4	FHR 4121 AZ Z SEQ 3.000% 10/15/42		.06/01/2019	Interest Capitalization		92,153	92,153		1
3137AV-60-5	FHR 4121 MZ Z SEQ 3.000% 10/15/42		.06/01/2019	Interest Capitalization		159,491	159,491		1
3137B0-3K-8	FHR 4169 LZ Z SEQ 3.000% 02/15/43		.06/01/2019	Interest Capitalization		97,169	97,169		1
3137B0-G6-3	FHR 4174 Z EXCH Z SEQ 3.500% 03/15/43		.06/01/2019	Interest Capitalization		487,029	487,029		1
3137B1-KL-5	FHR 4194 ZE Z SEQ 4.000% 04/15/43		.06/01/2019	Interest Capitalization		267,685	267,685		1
3137B1-V6-4	FHR 4209 VZ Z SEQ 4.000% 05/15/43		.06/01/2019	Interest Capitalization		474,947	474,947		1
3137B2-BB-5	FHR 4199 VZ Z SEQ 3.500% 05/15/43		.06/01/2019	Interest Capitalization		308,824	308,824		1
3137B2-F2-1	FHR 4203 ZN Z SEQ 3.500% 05/15/43		.06/01/2019	Interest Capitalization		215,218	215,218		1
3137B2-P8-7	FHR 4212 ZX Z SEQ 4.000% 06/15/43		.06/01/2019	Interest Capitalization		431,202	431,202		1
3137B3-G4-4	FHR 4226 PZ Z SEQ 3.500% 07/15/43		.06/01/2019	Interest Capitalization		214,420	214,420		1
3137B3-H8-4	FHR 4229 ZA Z SEQ 4.000% 07/15/43		.06/01/2019	Interest Capitalization		240,162	240,162		1
3137B3-J0-2	FHR 4231 ZB Z SEQ 3.500% 07/15/43		.06/01/2019	Interest Capitalization		106,975	106,975		1
3137B3-N4-6	FHR 4223 VZ Z SEQ 4.000% 07/15/43		.06/01/2019	Interest Capitalization		287,597	287,597		1
3137B5-YB-3	FHR 4267 ZX SC Z SEQ 4.500% 03/15/41		.06/01/2019	Interest Capitalization		388,381	388,381		1
3137B5-YC-1	FHR 4267 ZY Z SEQ 4.500% 11/15/43		.06/01/2019	Interest Capitalization		534,453	534,453		1
3137B5-ZR-7	FHR 4276 ZH Z SEQ 3.000% 11/15/43		.06/01/2019	Interest Capitalization		88,216	88,216		1
3137B8-B7-1	FHR 4307 NZ EXCH Z SEQ 3.000% 02/15/44		.06/01/2019	Interest Capitalization		140,968	140,968		1
3137B8-JL-2	FHR 4315 LZ SC Z SEQ 4.500% 07/15/41		.06/01/2019	Interest Capitalization		210,134	210,134		1
3137B9-FE-0	FHR 4314 GZ Z SEQ 3.000% 03/15/44		.06/01/2019	Interest Capitalization		234,337	234,337		1

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 3

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

1	2	3	4	5	6	7	8	9	10
CUSIP Identification	Description	Foreign	Date Acquired	Name of Vendor	Number of Shares of Stock	Actual Cost	Par Value	Paid for Accrued Interest and Dividends	NAIC Designation and Administrative Symbol/Market Indicator (a)
3137B9-QZ-1	FHR 4331 Z Z SEQ 4.000% 04/15/44		.06/01/2019	Interest Capitalization		236,044	236,044		1
3137BA-3H-0	FHR 4329 KZ Z SEQ 3.000% 04/15/44		.06/01/2019	Interest Capitalization		188,364	188,364		1
3137BA-G6-3	FHR 4323 VZ Z SEQ 4.000% 04/15/44		.06/01/2019	Interest Capitalization		256,410	256,410		1
3137BA-JH-6	FHR 4345 Z Z SEQ 3.000% 05/15/44		.06/01/2019	Interest Capitalization		94,311	94,311		1
3137BA-JJ-2	FHR 4345 ZE Z SEQ 3.500% 05/15/44		.06/01/2019	Interest Capitalization		148,262	148,262		1
3137BA-P7-1	FHR 4341 ZX SC Z SEQ 4.350% 05/15/44		.06/01/2019	Interest Capitalization		178,922	178,922		1
3137BA-S7-8	FHR 4343 DZ Z SEQ 3.500% 05/15/44		.06/01/2019	Interest Capitalization		253,146	253,146		1
3137BA-UK-6	FHR 4340 DZ Z SEQ 3.000% 05/15/44		.06/01/2019	Interest Capitalization		148,756	148,756		1
3137BB-FB-1	FHR 4352 ZH EXCH Z SEQ 3.000% 06/15/44		.06/01/2019	Interest Capitalization		78,104	78,104		1
3137BB-J8-4	FHR 4350 KZ Z SEQ 3.000% 03/15/43		.06/01/2019	Interest Capitalization		127,277	127,277		1
3137BB-JZ-4	FHR 4357 GZ Z SEQ 3.000% 06/15/44		.06/01/2019	Interest Capitalization		132,600	132,600		1
3137BB-Z9-4	FHR 4348 ZA SC Z PT 3.500% 07/15/42		.06/01/2019	Interest Capitalization		123,318	123,318		1
3137BC-BQ-0	FHR 4366 GZ Z SEQ 3.000% 07/15/44		.06/01/2019	Interest Capitalization		86,471	86,471		1
3137BC-NN-4	FHR 4363 Z ARB Z SEQ 3.500% 11/15/50		.06/01/2019	Interest Capitalization		186,319	186,319		1
3137BC-R2-6	FHR 4382 Z Z SEQ 3.000% 08/15/44		.06/01/2019	Interest Capitalization		172,623	172,623		1
3137BC-SU-3	FHR 4374 NZ ARB Z SEQ 3.750% 06/01/51		.06/01/2019	Interest Capitalization		206,248	206,248		1
3137BC-YF-9	FHR 4381 ZJ EXCH Z SEQ 3.500% 08/15/44		.06/01/2019	Interest Capitalization		137,574	137,574		1
3137BD-SW-2	FHR 4378 EZ EXCH Z SEQ 3.000% 08/15/44		.06/01/2019	Interest Capitalization		195,322	195,322		1
3137BD-CS-3	FHR 4377 LZ Z SEQ 3.000% 08/15/44		.06/01/2019	Interest Capitalization		465,781	465,781		1
3137BD-H4-1	FHR 4392 Z Z SEQ 3.000% 09/15/44		.06/01/2019	Interest Capitalization		157,313	157,313		1
3137BD-SR-8	FHR 4385 HZ Z SEQ 3.000% 09/15/44		.06/01/2019	Interest Capitalization		290,258	290,258		1
3137BD-ZL-3	FHR 4387 HZ Z SEQ 3.000% 09/15/44		.06/01/2019	Interest Capitalization		88,414	88,414		1
3137BF-HK-0	FHR 4418 ZX SC Z PT 4.000% 11/15/40		.06/01/2019	Interest Capitalization		118,893	118,893		1
3137BF-VL-2	FHR 4417 EZ Z SEQ 3.500% 12/15/44		.06/01/2019	Interest Capitalization		120,107	120,107		1
3137BG-3K-3	FHR 4430 Z Z SEQ 4.000% 01/15/45		.06/01/2019	Interest Capitalization		19,617	19,617		1
3137BG-FZ-7	FHR 4440 ZX SC Z PT 4.000% 01/15/45		.06/01/2019	Interest Capitalization		295,261	295,261		1
3137BG-JS-9	FHR 4444 CZ Z SEQ 3.000% 02/15/45		.06/01/2019	Interest Capitalization		566,489	566,489		1
3137BG-XL-8	FHR 4447 XZ SC Z PT 4.000% 01/15/45		.06/01/2019	Interest Capitalization		150,773	150,773		1
3137BG-Y7-8	FHR 4447 ZX SC Z PT 4.000% 01/15/45		.06/01/2019	Interest Capitalization		261,358	261,358		1
3137BJ-GT-4	FHR 4471 ZB Z SEQ 3.000% 05/15/45		.06/01/2019	Interest Capitalization		205,387	205,387		1
3137BL-2V-9	FHR 4503 ZA Z SEQ 3.500% 08/15/45		.06/01/2019	Interest Capitalization		112,602	112,602		1
3137BM-EL-6	FHR 4537 ZN Z SEQ 3.500% 12/15/45		.06/01/2019	Interest Capitalization		196,623	196,623		1
3137BM-IK-8	FHR 4549 UZ Z SEQ 3.500% 02/15/46		.06/01/2019	Interest Capitalization		122,799	122,799		1
3137BR-ZJ-7	FHR 4615 ZQ SC Z PT 4.500% 04/15/42		.06/01/2019	Interest Capitalization		143,804	143,804		1
3137BT-2L-4	FHR 4631 VZ Z SEQ 3.500% 11/15/46		.06/01/2019	Interest Capitalization		75,377	75,377		1
3137BT-CW-9	FHR 4639 AZ Z SEQ 3.000% 12/15/46		.06/01/2019	Interest Capitalization		482,587	482,587		1
3137BT-P8-8	FHR 4636 DZ Z SEQ 3.500% 12/15/46		.06/01/2019	Interest Capitalization		94,935	94,935		1
3137BU-76-7	FHR 4651 MZ EXCH Z SEQ 3.500% 01/15/47		.06/01/2019	Interest Capitalization		192,531	192,531		1
3137BU-ZA-9	FHR 4659 AZ Z SEQ 3.000% 02/15/47		.06/01/2019	Interest Capitalization		235,884	235,884		1
3137BV-EG-7	FHR 4655 GZ Z SEQ 3.500% 01/15/47		.06/01/2019	Interest Capitalization		94,384	94,384		1
3137BV-EK-8	FHR 4655 HZ EXCH Z SEQ 3.500% 02/15/47		.06/01/2019	Interest Capitalization		470,108	470,108		1
3137BV-ET-9	FHR 4655 JZ Z SEQ 3.000% 03/15/46		.06/01/2019	Interest Capitalization		116,212	116,212		1
3137BV-FH-4	FHR 4655 KZ Z SEQ 3.500% 02/15/47		.06/01/2019	Interest Capitalization		188,767	188,767		1
3137BV-FY-7	FHR 4655 TZ Z SEQ 3.000% 02/15/47		.06/01/2019	Interest Capitalization		131,681	131,681		1
3137BV-KL-9	FHR 4660 ZA Z SEQ 3.000% 02/15/47		.06/01/2019	Interest Capitalization		161,121	161,121		1
3137BV-VQ-6	FHR 4662 CZ Z SEQ 3.500% 05/15/46		.06/01/2019	Interest Capitalization		124,086	124,086		1
3137BV-XQ-4	FHR 4661 GZ Z SEQ 3.000% 02/15/47		.06/01/2019	Interest Capitalization		301,259	301,259		1
3137BW-2J-2	FHR 4671 CZ Z SEQ 3.500% 03/15/47		.06/01/2019	Interest Capitalization		156,982	156,982		1
3137BW-DZ-4	FHR 4668 ZA Z SEQ 3.500% 02/15/47		.06/01/2019	Interest Capitalization		385,574	385,574		1
3137BW-HK-3	FHR 4665 NZ Z SEQ 3.500% 02/15/47		.06/01/2019	Interest Capitalization		656,081	656,081		1
3137BW-JC-9	FHR 4665 ZH Z SEQ 3.500% 03/15/47		.06/01/2019	Interest Capitalization		176,520	176,520		1
3137BW-PS-7	FHR 4666 VZ Z SEQ 3.000% 03/15/47		.06/01/2019	Interest Capitalization		191,921	191,921		1
3137BW-P6-5	FHR 4666 Z Z SEQ 3.000% 03/15/47		.06/01/2019	Interest Capitalization		208,920	208,920		1
3137BW-Q2-3	FHR 4664 DZ Z SEQ 3.500% 11/15/45		.06/01/2019	Interest Capitalization		94,111	94,111		1
3137BW-Q6-4	FHR 4664 GZ Z SEQ 3.500% 07/15/46		.06/01/2019	Interest Capitalization		117,679	117,679		1
3137BW-V3-5	FHR 4663 Z Z SEQ 3.000% 03/15/47		.06/01/2019	Interest Capitalization		455,914	455,914		1
3137BW-V4-3	FHR 4663 ZJ Z SEQ 3.500% 03/15/46		.06/01/2019	Interest Capitalization		198,805	198,805		1
3137BW-V5-0	FHR 4663 ZK Z SEQ 3.500% 06/15/46		.06/01/2019	Interest Capitalization		631,763	631,763		1

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 3

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

1	2	3	4	5	6	7	8	9	10
CUSIP Identification	Description	Foreign	Date Acquired	Name of Vendor	Number of Shares of Stock	Actual Cost	Par Value	Paid for Accrued Interest and Dividends	NAIC Designation and Administrative Symbol/Market Indicator (a)
3137BW-YG-3	FHR 4676 ZD Z PAC 4.000% 04/15/47		.06/01/2019	Interest Capitalization		141,827	141,827		1
3137BX-ON-7	FHR 4674 ZB Z SEQ 3.500% 02/15/47		.06/01/2019	Interest Capitalization		150,136	150,136		1
3137BX-CM-2	FHR 4673 HZ Z SEQ 3.500% 04/15/47		.06/01/2019	Interest Capitalization		142,212	142,212		1
3137BX-IM-6	FHR 4672 ZH Z SEQ 3.500% 04/15/47		.06/01/2019	Interest Capitalization		175,397	175,397		1
3137F1-EF-1	FHR 4689 ZH Z SEQ 3.500% 08/15/46		.06/01/2019	Interest Capitalization		160,688	160,688		1
3137F3-F8-2	FHR 4768 KZ Z PAC 3.500% 11/15/47		.06/01/2019	Interest Capitalization		99,527	99,527		1
3137F3-TT-1	FHR 4764 NZ Z PAC 3.500% 02/15/48		.06/01/2019	Interest Capitalization		120,088	120,088		1
3137F3-U7-7	FHR 4764 PZ Z PAC 3.000% 01/15/48		.06/01/2019	Interest Capitalization		111,391	111,391		1
3137F4-KM-3	FHR 4775 LZ Z SEQ 4.500% 04/15/48		.06/01/2019	Interest Capitalization		161,641	161,641		1
3137F4-VT-6	FHR 4774 LZ Z SEQ 4.500% 02/15/48		.06/01/2019	Interest Capitalization		127,548	127,548		1
3137F5-NQ-8	FHR 4794 ZD Z SEQ 4.500% 06/15/48		.06/01/2019	Interest Capitalization		117,229	117,229		1
3137F5-XR-5	FHR 4800 KZ Z SEQ 4.500% 06/15/48		.06/01/2019	Interest Capitalization		236,851	236,851		1
3137FC-V5-0	FHR 4749 PZ Z PAC 3.000% 01/15/48		.06/01/2019	Interest Capitalization		165,886	165,886		1
3137FD-DK-5	FHR 4750 PZ Z PAC 3.000% 01/15/48		.06/01/2019	Interest Capitalization		121,345	121,345		1
3137FD-TH-5	FHR 4754 GZ Z SEQ 4.000% 02/15/48		.06/01/2019	Interest Capitalization		169,094	169,094		1
3137FE-AH-3	FHR 4760 PZ Z PAC 3.000% 02/15/48		.06/01/2019	Interest Capitalization		86,656	86,656		1
3137FE-ZM-5	FHR 4793 ZK EXCH Z SEQ 4.500% 06/15/48		.06/01/2019	Interest Capitalization		419,540	419,540		1
3137FG-3N-3	FHR 4801 ZD Z SEQ 4.000% 06/15/48		.06/01/2019	Interest Capitalization		18,671	18,671		1
3137FG-BQ-7	FHR 4810 LZ Z SEQ 4.500% 06/15/48		.06/01/2019	Interest Capitalization		252,893	252,893		1
3137FG-HM-0	FHR 4808 MZ Z SEQ 4.000% 03/15/48		.06/01/2019	Interest Capitalization		192,447	192,447		1
3137FK-J7-9	FHR 4849 ZA Z 4.000% 03/15/48		.06/01/2019	Interest Capitalization		196,667	196,667		1
313970-XA-1	FNR 2011-15 VZ Z SEQ 4.000% 03/25/41		.06/01/2019	Interest Capitalization		138,559	138,559		1
362848-UR-2	GAINESVILLE FL UTILITIES SYS R City of Gainesville FL Ut 3.87 3.875% 10/01/47		.04/03/2019	BARCLAYS BANK PLC		6,665,000	6,665,000		1FE
64972E-GN-3	NEW YORK CITY NY HSG DEV CORPM New York City Housing Dev 3.77 3.770% 11/01/44		.06/13/2019	MORGAN STANLEY & CO. INC.		10,000,000	10,000,000		1FE
68608W-AK-8	OREGON ST UNIV GEN REVENUE Oregon State University 4.052 4.052% 04/01/52		.04/10/2019	BANK OF AMERICA		33,300,000	33,300,000		1FE
80168A-CL-9	SANTA CLARA VLY CA WTR DIST WT Santa Clara Valley Water 3.94 3.949% 06/01/49		.04/10/2019	STIFEL NICOLAUS & COMPANY INC		1,665,000	1,665,000		1FE
3199999. Subtotal - Bonds - U.S. Special Revenues						156,873,258	157,097,780	88,786	XXX
00108W-AJ-9	AEP TEXAS INC SR UNSEC 4.150% 05/01/49		.04/29/2019	CITIGROUP GLOBAL MARKETS INC		8,138,916	8,150,000		1FE
00123F-AA-6	AFAH FDG-LLC SR-UNSEC 4.750% 12/29/34		.04/22/2019	WESTWOOD CAPITAL		130,000,000	130,000,000		1Z
00152*-AA-4	AIT WORLDWIDE LOGISTICS-INC. 10.0% cash .75PIK 10.750% 10/20/22		.06/30/2019	Interest Capitalization		61,336	61,336		5
00194@-AA-2	APH FINANCE 1-LLC SR-UNSEC 4.770% 07/07/39		.06/10/2019	GOLDMAN SACHS CAPITAL MARKETS		42,000,000	42,000,000		1Z
00201*-AA-5	ANTHEM TBD ISSUER SR-SEC 4.150% 06/30/34		.06/28/2019	ANTARES		83,110,500	83,110,500		1Z
00206R-HS-4	AT&T INC SR UNSEC 3.600% 07/15/25		.06/05/2019	Taxable Exchange		56,436,013	55,250,000	773,500	2FE
00287Y-AR-0	ABVIE INC SR UNSEC 4.500% 05/14/35		.04/22/2019	MORGAN STANLEY & CO. INC.		24,864,285	25,500,000	510,000	2FE
00379#-AA-7	ABRASIVE PRODUCTS AND EQUIPMEN SUB 11.500% 03/05/20		.05/24/2019	Interest Capitalization		760,981	760,981		6
00379#-AB-5	ABRASIVE PRODUCTS AND EQUIPMEN Amended note 10.5cash 2%pik 12.500% 03/05/21		.05/30/2019	TAX FREE EXCH NOT SALE		10,650,475	10,650,475		2Z
00379#-AC-3	ABRASIVE PRODUCTS AND EQUIPMEN 2ND LIEN PIK NOTE all pik 13.500% 03/05/21		.05/30/2019	TAX FREE EXCH NOT SALE		760,981	760,981		2Z
00440E-AV-9	CHUBB INA HOLDINGS INC CO.GUARNT 3.350% 05/03/26		.04/26/2019	WELLS FARGO		10,187,100	10,000,000	164,708	1FE
00866@-AD-3	AHEAD LLC 10.569% 11/08/24		.05/08/2019	Various		42,000,000	42,000,000		4Z
009098-A*-5	AIR CARGO LOGISTICS FT WORTH T SR-SEC 4.494% 11/10/39		.05/10/2019	MESIROW FINANCIAL		3,290,000			1
00912X-BA-1	AIR LEASE CORP SR UNSEC 3.250% 03/01/25		.04/25/2019	SUNTRUST CAPITAL MARKETS		12,734,925	13,125,000	68,724	2FE
017364-C@-7	ALLEGHENY GENERATING CO SR-UNSEC 4.470% 06/15/29		.06/05/2019	KEYBANC CAPITAL MARKETS		50,000,000	50,000,000		2Z
01959L-AC-6	ALL INA HEALTH SYSTEM UNSEC 3.887% 04/15/49		.05/22/2019	JP MORGAN SECURITIES		59,800,000			1FE
020002-BG-5	ALLSTATE CORP SR UNSEC 3.850% 08/10/49		.06/05/2019	Various		24,669,935	24,800,000		2FE
030288-B@-2	AMERICAN TRANSMISSION SYSS-INC SR-UNSEC 4.380% 04/15/31		.04/15/2019	U.S. BANK		10,000,000	10,000,000		2Z
03040W-AU-9	AMERICAN WATER CAPITAL C SR UNSEC 3.450% 06/01/29		.05/06/2019	JP MORGAN SECURITIES		17,461,325	17,500,000		2FE
03040W-AV-7	AMERICAN WATER CAPITAL C SR UNSEC 4.150% 06/01/49		.05/06/2019	JP MORGAN SECURITIES		14,920,500	15,000,000		2FE
03063#-AC-8	AMERICOLD REALTY TRUST SR-UNSEC 4.100% 01/08/30		.05/07/2019	BANC OF AMERICA SECURITIES INC		30,000,000	30,000,000		2FE
031162-CJ-7	AMGEN INC SR UNSEC 2.600% 08/19/26		.04/26/2019	MORGAN STANLEY & CO. INC.		20,836,860	22,000,000	112,811	2FE
03522A-AG-5	ANHEUSER-BUSCH CO/INBEV CO.GUARNT 3.650% 02/01/26		.05/15/2019	Tax Free Exchange		26,462,179	28,000,000	295,244	2FE
03522A-AH-3	ANHEUSER-BUSCH CO/INBEV CO.GUARNT 4.700% 02/01/36		.05/15/2019	Tax Free Exchange		28,909,917	30,000,000	407,333	2FE
03522A-AJ-9	ANHEUSER-BUSCH CO/INBEV CO.GUARNT 4.900% 02/01/46		.05/15/2019	Tax Free Exchange		21,694,541	22,800,000	322,747	2FE
037389-BC-6	AON CORP CO.GUARNT 3.750% 05/02/29		.04/30/2019	CITIGROUP GLOBAL MARKETS INC		88,594,306	88,675,000		2FE
03789X-AD-0	DIN 2019-1A A21 SEQ 4.194% 06/07/49		.05/28/2019	BARCLAYS BANK PLC		11,750,000	11,750,000		2FE
03789X-AE-8	DIN 2019-1A A21I SUB 4.723% 06/07/49		.05/28/2019	BARCLAYS BANK PLC		24,220,000	24,220,000		2FE
03836W-AB-9	AQUA AMERICA INC SR UNSEC 3.566% 05/01/29		.04/24/2019	RBC DAIN RAUSCHER INC.		9,300,000	9,300,000		2FE
03836W-AC-7	AQUA AMERICA INC SR UNSEC 4.276% 05/01/49		.04/29/2019	Various		19,063,345	19,050,000	1,722	2FE

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 3

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

1	2	3	4	5	6	7	8	9	10
CUSIP Identification	Description	Foreign	Date Acquired	Name of Vendor	Number of Shares of Stock	Actual Cost	Par Value	Paid for Accrued Interest and Dividends	NAIC Designation and Administrative Symbol/Market Indicator (a)
038374-AA-5	AQUACHEM-INC. 10% CASH 2.5%PIK 12.500% 02/05/20		04/08/2019	Interest Capitalization		40,475	40,475		5GI
042858-AD-2	ARRW 2019-2 M1 MEZ AFC 4.760% 04/25/49		05/16/2019	CREDIT SUISSE SECURITIES US LL		18,054,677	18,055,000	47,745	2FE
053332-AW-2	AUTOZONE INC SR UNSEC 3.750% 04/18/29		04/04/2019	BARCLAYS BANK PLC		39,691,346	39,800,000		2FE
05351W-AB-9	AVANGRID INC SR UNSEC 3.800% 06/01/29		05/14/2019	MITSUBISHI UFJ SECURITIES USA		20,321,103	20,350,000		2FE
06051G-GC-7	BANK OF AMERICA CORP SUBORD 4.183% 11/25/27		04/18/2019	BANK OF AMERICA		10,190,000	10,000,000	171,968	2FE
06051G-HT-9	BANK OF AMERICA CORP SR UNSEC 3.559% 04/23/27		04/17/2019	BANK OF AMERICA		20,000,000	20,000,000		1FE
06051G-HU-6	BANK OF AMERICA CORP SR UNSEC 4.078% 04/23/40		04/17/2019	BANK OF AMERICA		64,000,000	64,000,000		1FE
06405L-AB-7	BANK OF NY MELLON CORP SR UNSEC 2.783% 06/04/21		05/30/2019	MORGAN STANLEY & CO. INC.		2,000,000	2,000,000		1FE
065402-BF-5	BANK 2019-BN18 AS SUB 3.826% 05/15/62		05/21/2019	BANK OF AMERICA		6,282,890	6,100,000	19,449	1FE
065402-BG-3	BANK 2019-BN18 B SUB 3.977% 05/15/62		05/21/2019	BANK OF AMERICA		3,089,895	3,000,000	9,943	1FE
081437-AP-0	BEMIS COMPANY INC CO.GUARNT 3.100% 09/15/26		06/13/2019	Taxable Exchange		11,156,005	11,600,000		2FE
08162B-BE-1	BMARK 2019-B11 A5 3.542% 05/15/52		05/22/2019	JP MORGAN SECURITIES		17,149,495	16,650,000	26,212	1FE
08162B-BJ-0	BMARK 2019-B11 AS SUB 3.784% 05/15/52		05/22/2019	JP MORGAN SECURITIES		3,913,980	3,800,000	6,391	1FE
08162P-AZ-4	BMARK 2018-B1 AM SUB AFC 3.878% 01/15/51		06/04/2019	GOLDMAN SACHS & COMPANY		8,948,574	8,500,000	4,578	1FM
09247X-AP-6	BLACKROCK INC SR UNSEC 3.250% 04/30/29		04/17/2019	CITIGROUP GLOBAL MARKETS INC		35,757,995	36,050,000		1FE
09702H-AA-6	BOEING-MANASSAS AND COLUMBUS C SR-SEC 4.203% 03/15/43		06/25/2019	RAYMOND JAMES		34,821,746	34,821,746		1Z
097023-CD-5	BOEING CO SR UNSEC 3.200% 03/01/29		04/30/2019	CITIGROUP GLOBAL MARKETS INC		15,000,880	15,200,000	104,036	1FE
097023-CJ-2	BOEING CO SR UNSEC 3.600% 05/01/34		04/30/2019	CITIGROUP GLOBAL MARKETS INC		15,152,880	15,200,000		1FE
10112R-BB-9	BOSTON PROPERTIES INC SR UNSEC 3.400% 06/21/29		06/12/2019	BANK OF AMERICA		13,874,285	13,900,000		2FE
105340-AP-8	BRANDYWINE OPER PARTNERS CO.GUARNT 4.550% 10/01/29		04/11/2019	WELLS FARGO		4,487,516	4,407,000	7,798	2FE
110122-CA-4	BRISTOL-MYERS SQUIBB CO SR UNSEC 3.200% 06/15/26		05/07/2019	MORGAN STANLEY & CO. INC.		7,379,872	7,400,000		1FE
110122-CB-2	BRISTOL-MYERS SQUIBB CO SR UNSEC 3.400% 07/26/29		05/07/2019	Various		25,046,594	25,225,000		1FE
110122-CC-0	BRISTOL-MYERS SQUIBB CO SR UNSEC 4.125% 06/15/39		05/07/2019	MORGAN STANLEY & CO. INC.		6,976,060	7,000,000		1FE
12529M-AF-5	CF 2019-CF1 A5 3.786% 05/15/52		04/16/2019	CANTOR FITZGERALD & CO.		8,239,962	8,000,000	24,397	1FE
12529M-AJ-7	CF 2019-CF1 AS SUB 4.027% 05/15/52		04/16/2019	CANTOR FITZGERALD & CO.		9,269,933	9,000,000	29,198	1FE
12595F-AJ-1	CSAIL 2017-CX9 AS SUB 3.700% 09/15/50		06/04/2019	BARCLAYS BANK PLC		1,552,324	1,500,000	771	1FM
12601H-AA-4	CGA CAP CR LEASE-BKD PT TR SER 4.974% 07/30/40		06/10/2019	Interest Capitalization		359,781	359,781		2
12607H-AA-6	CGA CAP CR LEASE-BKD PT TR SER SR-SEC 4.900% 11/30/43		05/30/2019	CGA CAPITAL		17,467,662	17,467,662		2Z
12607H-AA-6	CGA CAP CR LEASE-BKD PT TR SER SR-SEC 4.900% 11/30/43		05/30/2019	CGA CAPITAL		62,970	62,970		2Z
12609H-AA-8	CREDIT LEASE-BKD PT TRUST CGA SR-SEC 3.793% 06/10/58		06/28/2019	CGA CAPITAL		51,933,776	51,933,776		1Z
126117-AV-2	CNA FINANCIAL CORP SR UNSEC 3.900% 05/01/29		05/02/2019	Various		34,591,756	34,600,000		2FE
12706H-AA-6	CTL PT TRUST-SER 2018-PERRIS-R SR-SEC 4.720% 04/15/49		04/15/2019	NEWMARK REALTY CAPITAL		2,193,358	2,193,358		1
12710H-AA-2	CTL PT TR SER 2018-VA CHULA V1 SR-SEC 4.560% 05/15/40		06/04/2019	NEWMARK REALTY CAPITAL		3,496,379	3,496,379		1Z
12714H-AA-0	CTL PT TR CTF SER 2019-CLEVELA SR-UNSEC 4.678% 04/10/49		04/01/2019	Ross Sinclair		18,643,000	18,100,000		1Z
130789-YB-3	CALIFORNIA WATER SERVICE CO SR-SEC 4.070% 06/11/49		06/11/2019	BANK AMERICA LEASING & CAPITAL		25,000,000	25,000,000		1Z
133131-AX-0	CAMDEN PROPERTY TRUST SR UNSEC 3.150% 07/01/29		06/06/2019	JP MORGAN SECURITIES		16,458,915	16,500,000		1FE
147339-JB-5	CASCADE NATURAL GAS CORP SR-UNSEC 3.820% 06/13/34		06/13/2019	WELLS FARGO		6,000,000	6,000,000		2Z
154051-HB-8	CENTRAL MAINE POWER CO SR-SEC 4.200% 06/03/34		06/03/2019	CITIGROUP GLOBAL MARKETS INC		50,000,000	50,000,000		1Z
171265-C*-0	CHUGACH ELECTRIC ASSN-INC. A-SR-SEC 3.860% 05/15/49		05/15/2019	BANC OF AMERICA SECURITIES INC		75,000,000	75,000,000		1Z
184496-AP-2	CLEAN HARBORS INC SR UNSEC 5.125% 07/15/29		06/18/2019	GOLDMAN SACHS & COMPANY		825,000	825,000		3FE
191216-BZ-2	COCA-COLA CO/THE SR UNSEC 2.250% 09/01/26		04/17/2019	SUNTRUST CAPITAL MARKETS		2,515,342	2,645,000	8,431	1FE
20753K-AB-8	CAS 2019-R02 1M2 EXCH MEZ FLT 4.704% 08/25/31		06/07/2019	Various		10,077,734	10,000,000	18,393	4FE
21871H-AC-4	CORESITE L.P. SR-UNSEC 4.110% 04/17/26		04/17/2019	KEYBANC CAPITAL MARKETS		22,000,000	22,000,000		2PL
21871H-AD-2	CORESITE L.P. SR-UNSEC 4.310% 04/17/29		04/17/2019	KEYBANC CAPITAL MARKETS		4,000,000	4,000,000		2PL
22279H-AD-6	COUSINS PROP-INC. SR-UNSEC 3.860% 07/06/28		06/19/2019	MORGAN STANLEY & CO. INC.		85,000,000	85,000,000		2Z
22966R-AD-8	CUBESMART LP CO.GUARNT 3.125% 09/01/26		04/30/2019	Various		21,808,542	22,880,000	108,420	2FE
23137H-AA-2	CURT MANUFACTURING-LLC SUB 10%cash pik 1.75 pik 11.750% 09/04/19		04/01/2019	Interest Capitalization		74,069	74,069		5
23317H-AE-2	SITE CENTERS CORP SR UNSEC 4.250% 02/01/26		04/18/2019	WELLS FARGO		3,015,930	3,000,000	29,042	2FE
240019-BT-5	DAYTON POWER & LIGHT CO/ 1ST MORTG 3.950% 06/15/49		06/03/2019	JP MORGAN SECURITIES		14,903,250	15,000,000		1FE
25389J-AR-7	DIGITAL REALTY TRUST LP CO.GUARNT 3.700% 08/15/27		05/09/2019	Various		20,584,489	20,655,000	165,353	2FE
25389J-AU-0	DIGITAL REALTY TRUST LP CO.GUARNT 3.600% 07/01/29		06/10/2019	JP MORGAN SECURITIES		14,973,450	15,000,000		2FE
26884A-BG-7	ERP OPERATING LP SR UNSEC 3.250% 08/01/27		04/16/2019	WELLS FARGO		4,302,859	4,312,000	29,974	1FE
28488H-AA-6	ELECTRIC GUARD DOG II HLDGS LL 13.250% 12/10/22		04/08/2019	Interest Capitalization		127,348	127,348		5
29365D-AA-7	ENTERCOM MEDIA CORP SECURED 6.500% 05/01/27		04/23/2019	BANK OF AMERICA		400,000	400,000		4FE
29366W-AA-4	ENTERGY MISSISSIPPI INC 1ST MORTG 3.850% 06/01/49		05/30/2019	THE BANK OF NEW YORK		3,948,120	4,000,000		1FE
29379V-BV-4	ENTERPRISE PRODUCTS OPER CO.GUARNT 3.125% 07/31/29		06/24/2019	JP MORGAN SECURITIES		4,972,761	4,975,000		2FE
30288H-AE-0	FLNG LIQUEFACTION 2 LLC 5-SR-UNSEC 4.390% 12/31/38		05/21/2019	MIHUZO		50,000,000	50,000,000		2FE
31620M-BJ-4	FIDELITY NATL INFO SERV SR UNSEC 3.750% 05/21/29		05/14/2019	JP MORGAN SECURITIES		14,973,900	15,000,000		2FE

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 3

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

1	2	3	4	5	6	7	8	9	10
CUSIP Identification	Description	Foreign	Date Acquired	Name of Vendor	Number of Shares of Stock	Actual Cost	Par Value	Paid for Accrued Interest and Dividends	NAIC Designation and Administrative Symbol/Market Indicator (a)
337738-AU-2	FISERV INC SR UNSEC 3.500% 07/01/29		.06/10/2019	JP MORGAN SECURITIES		16,896,566	16,925,000		2FE
345397-YG-2	FORD MOTOR CREDIT CO LLC SR UNSEC 3.810% 01/09/24		.05/28/2019	CREDIT SUISSE SECURITIES US LL		2,915,580	3,000,000	44,768	2FE
35091F-AA-0	4-PROPERTY VA LEASE-BKD PT TR SR-SEC 4.120% 06/15/41		.06/04/2019	NEWMARK REALTY CAPITAL		6,664,516	6,664,516		1Z
35563T-AB-7	STACR 2018-DNA2 M2 EXCH MEZ FLT 4.554% 12/25/30		.05/08/2019	Various		18,524,746	18,500,000	37,641	4FE
35563X-AH-5	STACR 2018-HQA2 M2 EXCH MEZ FLT 4.702% 10/25/48		.05/14/2019	Various		13,997,816	13,986,803	31,516	4FE
35564M-AH-8	STACR 2019-HQA2 M2 EXCH FLT 4.452% 04/25/49		.04/30/2019	JP MORGAN SECURITIES		5,500,000	5,500,000		4FE
35877B-AA-2	FRISCO GROUND LEASE TR-SENIOR- 4.819% 07/15/53		.06/15/2019	Interest Capitalization		40,923	40,923		1PL
361602-AA-3	GF ASSETS HLDGS CORP ALL PIK 13.250% 01/25/25		.06/28/2019	Interest Capitalization		951,086	951,086		5
36242D-FT-5	GSR 2004-11 2A2 CSTR AFC AS 4.478% 09/25/34		.04/26/2019	CANTOR FITZGERALD & CO.		247,915	247,915	886	1FM
36253B-AA-4	GSA CHESAPEAKE LEASED BACK TRU SR-UNSEC 4.000% 09/15/33		.04/30/2019	Various		15,803,749	15,803,749		1Z
36253B-AA-4	GSA CHESAPEAKE LEASED BACK TRU SR-UNSEC 4.000% 09/15/33		.04/30/2019	Various		191,803	191,803		1Z
37045X-AS-5	GENERAL MOTORS FINL CO CO.GUARNT 4.000% 01/15/25		.05/20/2019	Various		14,987,400	15,000,000	210,556	2FE
37233F-AA-5	GENNXPAG ACQUISITIONS-INC SUB-UNSEC 11.500% 07/26/25		.06/28/2019	Interest Capitalization		56,257	56,257		5
40414L-AQ-2	HCP INC SR UNSEC 3.250% 07/15/26		.06/24/2019	Various		16,025,834	16,000,000		2FE
40414L-AR-0	HCP INC HCP Inc 3.5 07/15/2029 3.500% 07/15/29		.06/20/2019	MIZUHO SECURITIES USA INC.		5,675,604	5,700,000		2FE
416515-BB-9	HARTFORD FINL SVCS GRP SR UNSEC 4.300% 04/15/43		.06/06/2019	Various		25,892,297	25,286,000	117,443	2FE
41975*-AS-4	HAWAII ELECTRIC LIGHT CO-INC. SR-UNSEC 4.210% 05/15/34		.05/13/2019	WELLS FARGO SECURITIES LLC		5,000,000	5,000,000		2Z
419866-H*-2	HAWAIIAN ELECTRIC CO-INC. SR-UNSEC 4.210% 05/15/34		.05/13/2019	WELLS FARGO SECURITIES LLC		25,000,000	25,000,000		2Z
42689B-AA-4	HEPACO-LLC 9.5%cash 1.5%piik 12.000% 02/18/25		.06/30/2019	Interest Capitalization		134,084	134,084		5
42690*-AA-5	HEPACO HLDG-LLC SUB-UNSEC 14.250% 02/18/25		.06/30/2019	Interest Capitalization		133,731	133,731		5
42784F-AA-8	HERSHEY CAMPUS LEASE-BKD TR II SR-UNSEC 5.820% 05/01/54		.06/01/2019	Interest Capitalization		215,321	215,321		1
43074*-AA-9	HIGHLAND RIDGE-NASHVILLE TN-S SR-SEC 4.918% 01/15/54		.06/15/2019	Interest Capitalization		57,845	57,845		1Z
44421G-AE-3	HY 2019-30HY B SUB CSTR 0.000% 06/10/37		.06/24/2019	DEUTSCHE BANK SECURITIES INCOR		10,299,962	10,000,000	14,083	1FE
44421G-AG-8	HY 2019-30HY C SUB CSTR 0.000% 06/10/37		.06/24/2019	DEUTSCHE BANK SECURITIES INCOR		7,957,791	7,750,000	11,486	1FE
44929B-AQ-7	LORE REIT HLDGS SR-UNSEC 3.850% 05/01/28		.05/01/2019	BANK OF AMERICA SECURITIES LLC		15,000,000	15,000,000		2Z
44929B-AR-5	LORE REIT HLDGS SR-UNSEC 4.010% 05/01/31		.05/01/2019	BANK OF AMERICA SECURITIES LLC		15,000,000	15,000,000		2Z
45873F-AA-3	INTERFACE SECURITY SYSS-LLC 11% cash 3% pik 14.000% 07/17/23		.06/30/2019	Interest Capitalization		98,531	98,531		5GI
458830-F*-2	INTERMOUNTAIN GAS CO SR-UNSEC 3.820% 06/13/34		.06/13/2019	WELLS FARGO SECURITIES LLC		4,000,000	4,000,000		2Z
459200-KA-8	IBM CORP SR UNSEC 3.500% 05/15/29		.05/08/2019	JP MORGAN SECURITIES		62,442,874	62,600,000		1FE
459200-KB-6	IBM CORP SR UNSEC 4.150% 05/15/39		.05/08/2019	JP MORGAN SECURITIES		61,583,569	61,875,000		1FE
46591C-AA-9	JG WENTWORTH XLIV LLC SR-UNSEC 2019-B CLASS A 3.900% 02/15/77		.04/30/2019	JGIW IX LLC		150,000,000	150,000,000		1Z
46591E-AS-6	JPMCC 2019-COR5 A3 3.123% 06/13/52		.06/12/2019	JP MORGAN SECURITIES		8,584,963	8,500,000	19,174	1FE
46591E-AT-4	JPMCC 2019-COR5 A4 3.386% 06/13/52		.06/12/2019	JP MORGAN SECURITIES		16,786,886	16,298,000	39,857	1FE
466313-AH-6	JABIL INC SR UNSEC 3.950% 01/12/28		.05/16/2019	ROBERT W. BAIRD & COMPANY INC		3,371,270	3,500,000	49,156	2FE
466365-AA-1	JACK 2019-1A A2I SEO 3.982% 08/25/49		.06/28/2019	GUGGENHEIM CAPITAL MARKETS LLC		19,000,000	19,000,000		2FE
46658*-AA-6	VETTA-LLC FKA BPCP SPARTAN MER SUB-UNSEC 11.000% 09/22/21		.04/04/2019	Interest Capitalization		43,284	43,284		5
46659F-AA-1	VETTA-LLC FKA J AMERICA-LLC 10% cash 1% pik 11.000% 07/31/22		.04/04/2019	Interest Capitalization		12,476	12,476		5
46665F-AA-3	JGIW IX LLC JGIW IX LLC 4.780% 08/31/36		.06/19/2019	JGIW IX LLC			(1,698,840)		1Z
46665A-AA-4	JGIW IX LLC SR-UNSEC 4.500% 05/15/34		.05/31/2019	Tax Free Exchange		38,369,022	38,369,022		1Z
46849L-TL-5	JACKSON NATL LIFE GLOBAL SECURED 3.050% 06/21/29		.06/17/2019	JP MORGAN SECURITIES		24,931,500	25,000,000		1FE
47630F-AA-3	JENSEN HUGHES INTERMEDIATE HLD SUB 14.000% 12/04/23		.04/26/2019	Interest Capitalization		424,809	424,809		5GI
47630*-AA-7	JENSEN HUGHES-INC-SUB DEBT 10% cash 2%piik 12.000% 12/04/22		.04/19/2019	JENSEN HUGHES INTERMEDIATE HLD		292,047	298,007		5GI
47630*-AA-7	JENSEN HUGHES-INC-SUB DEBT 10% cash 2%piik 12.000% 12/04/22		.04/23/2019	Interest Capitalization		366,051	366,051		5GI
47630*-AF-6	JENSEN HUGHES-INC-SUB DEBT SUB-UNSEC 12.000% 03/22/25		.04/23/2019	Interest Capitalization		223,923	223,923		5GI
47631*-AA-6	JENSEN HUGHES INTERMEDIATE HLD SUB-UNSEC 14.000% 03/22/26		.04/26/2019	Interest Capitalization		(296,423)	(296,423)		5GI
487312-AD-2	KEENAN FT DETROCK ENERGY UNSEC 4.166% 11/15/48		.04/03/2019	GOLDMAN SACHS & COMPANY		22,985,000	22,985,000		1FE
49446R-AP-4	KIMCO REALTY CORP SR UNSEC 2.800% 10/01/26		.04/15/2019	SUNTRUST CAPITAL MARKETS		4,111,248	4,378,000	5,448	2FE
49721B-AA-1	KIOP PARENT HLDG CORP. SUB-UNSEC 13.750% 12/29/23		.06/30/2019	Interest Capitalization		380,853	380,853		5GI
50194F-AA-5	LANEY DIRECTIONAL DRILLING SUB 16.000% 10/31/19		.06/30/2019	Interest Capitalization		749,132	749,132		5GI
50195*-AA-8	LES HOLDCO-INC. SUB-UNSEC 13.500% 12/20/24		.06/30/2019	Interest Capitalization		3,159,997	3,159,997		5
50226B-AA-9	LUMINATOR TECHNOLOGY GROUP-INC All pik 14.000% 08/08/22		.05/08/2019	Interest Capitalization		2,026,158	2,026,158		5GI
53079E-BH-6	LIBERTY MUTUAL GROUP INC CO.GUARNT 4.500% 06/15/49		.06/04/2019	Various		9,059,213	9,050,000		2FE
534187-BH-1	LINCOLN NATIONAL CORP SR UNSEC 3.800% 03/01/28		.05/07/2019	WELLS FARGO		11,279,760	11,028,000	183,075	2FE
548661-DR-5	LOWE'S COS INC SR UNSEC 3.650% 04/05/29		.04/03/2019	GOLDMAN SACHS & COMPANY		23,217,218	23,250,000		2FE
560284-AA-1	LUMOS PHOENIX HLDGS INC 13.000% 05/31/24		.06/30/2019	Interest Capitalization		775,960	775,960		5
56585A-AZ-5	MARATHON PETROLEUM CORP SR UNSEC 5.375% 10/01/22		.05/22/2019	Tax Free Exchange		45,778,283	45,228,000	344,392	2FE
56585A-BA-9	MARATHON PETROLEUM CORP SR UNSEC 4.750% 12/15/23		.05/22/2019	Tax Free Exchange		57,646,604	56,000,000	1,160,056	2FE
56585A-BB-7	MARATHON PETROLEUM CORP SR UNSEC 5.125% 04/01/24		.05/22/2019	Tax Free Exchange		17,120,572	16,852,000	122,353	2FE

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56585A-BG-5	MARATHON PETROLEUM CORP SR UNSEC 5.125% 12/15/26		.05/22/2019	Tax Free Exchange		48,938,243	47,000,000	1,050,483	2FE
57063H-AA-8	MARKETCAST HLDGS-LLC 10%cash 1%pik 11.000% 05/15/23		.06/30/2019	Interest Capitalization		36,250	36,250		5GI
57736*-AU-5	MAUI ELECTRIC CO-LTD SR-UNSEC 4.210% 05/15/34		.05/13/2019	WELLS FARGO SECURITIES LLC		5,000,000	5,000,000		2Z
58472H-AA-1	MEDICUS HEALTHCARE SOLUTIONS L SUB-UNSEC 11.000% 04/02/25		.06/30/2019	Interest Capitalization		25,404	25,404		5
58472H-AA-3	MEDICUS HLDGS INC. PFDS-UNSEC 13.250% 10/02/25		.06/30/2019	Interest Capitalization		1,049,191	1,049,191		5
59156R-BW-7	METLIFE INC SR UNSEC 0.898% 05/23/31		.05/16/2019	SMBC NIKKO SECURITIES AMERICA		19,121,329	19,121,329		1FE
59156R-BX-5	METLIFE INC SR UNSEC 1.189% 05/23/34		.05/16/2019	SMBC NIKKO SECURITIES AMERICA		40,063,738	40,063,738		1FE
59156R-BY-3	METLIFE INC SR UNSEC 1.385% 05/23/39		.05/16/2019	SMBC NIKKO SECURITIES AMERICA		40,063,738	40,063,738		1FE
59217G-DC-0	MET LIFE GLOB FUNDING I SECURED 3.050% 06/17/29		.06/11/2019	JP MORGAN SECURITIES		14,987,100	15,000,000		1FE
59828*-AA-4	MIDWEST CAN CO LLC 10.5%cash 1% PIK 11.500% 10/08/24		.06/30/2019	Interest Capitalization		61,265	61,265		5
60741H-AA-4	MOBILE TECH-INC. SR-UNSEC 10.898% 08/06/21		.06/30/2019	Interest Capitalization		288,152	288,152		4Z
62845H-AA-3	MYERS EMERGENCY POWER SYSS-LLC SUB-UNSEC 10% cash 1%pik 11.000% 01/02/25		.06/30/2019	Interest Capitalization		49,114	49,114		5GI
62952E-AC-1	NYU HOSPITALS CENTER SECURED 4.784% 07/01/44		.04/03/2019	BANK OF AMERICA		5,862,860	5,300,000	66,205	1FE
64325*-AA-2	NEW CARROLLTON COMMERCIAL I-LL 3.750% 02/05/34		.06/05/2019	Interest Capitalization		199,850	199,850		1
64746H-AA-9	NEW MILANI GROUP LLC SUB-UNSEC 11.000% 06/05/25		.06/30/2019	Interest Capitalization		40,781	40,781		4
647551-BH-6	NEW MOUNTAIN FINANCE CORP SR-UNSEC 5.494% 04/30/24		.04/30/2019	GOLDMAN SACHS CAPITAL MARKETS		55,000,000	55,000,000		2FE
64939H-AA-6	NY ANIMAL SHELTER LEASE-BKD PT SR-SEC 4.430% 06/15/52		.06/21/2019	JP MORGAN SECURITIES		75,000,000	75,000,000		1Z
64952W-DG-5	NEW YORK LIFE GLOBAL FDG SECURED 2.875% 04/10/24		.04/03/2019	CREDIT SUISSE SECURITIES US LL		19,986,200	20,000,000		1FE
65958*-AA-3	NORTH HAVEN CA HLDGS-INC. SUB-UNSEC 14.000% 10/01/24		.06/30/2019	Interest Capitalization		1,729,005	1,729,005		5
665859-AU-8	NORTHERN TRUST CORP SR UNSEC 3.150% 05/03/29		.04/30/2019	WELLS FARGO		19,981,200	20,000,000		1FE
668074-GH-0	NIERN CORP SR-SEC 3.980% 06/26/49		.06/26/2019	CIBC PRIMARY ISSUES		11,000,000	11,000,000		1FE
668444-AP-7	NORTHWESTERN UNIVERSITY UNSEC 3.812% 12/01/50		.04/16/2019	RAYMOND JAMES		1,230,465	1,249,000	18,119	1FE
67021C-AN-7	NSTAR ELECTRIC CO SR UNSEC 3.250% 05/15/29		.05/14/2019	BANK OF AMERICA		10,227,450	10,250,000		1FE
67090U-AD-5	THOR 2018 C SUB 4.250% 02/09/30		.04/17/2019	BANK OF AMERICA		8,856,373	9,037,116		3PL
67576P-AL-1	OCT42 2019 3A B2 MEZ CDO-CF-CLO-HY 4.372% 04/15/31		.04/12/2019	WELLS FARGO		24,987,360	25,000,000		1FE
677415-CR-0	OHIO POWER COMPANY SR UNSEC 4.000% 06/01/49		.05/20/2019	CREDIT SUISSE SECURITIES US LL		2,493,900	2,500,000		1FE
693475-AW-5	PNC FINANCIAL SERVICES SR UNSEC 3.450% 04/23/29		.04/16/2019	JP MORGAN SECURITIES		25,209,600	25,250,000		1FE
69394*-AA-7	PPM FINCO LP 4.476% 03/31/54		.05/02/2019	GOLDMAN SACHS CAPITAL MARKETS		3,416,364	3,416,364		2FE
69402H-AA-3	PMAB LLC 10.5% cash 1% pik 11.500% 08/02/22		.06/30/2019	Interest Capitalization		50,911	50,911		4FE
69410*-AB-5	PACEWELL 3-LLC A-2-SR-SEC 4.750% 05/10/50		.05/15/2019	PACEWELL?2?LLC		10,000,000	10,000,000		1PL
69764*-AA-9	PAMLI CO PRIZELOGIC HLDGS LLC 12.750% 12/30/21		.06/30/2019	Interest Capitalization		900,899	900,899		5GI
70017W-AE-3	PAIA 2019 1A A2B MEZ CDO-CF-CLO-HY 4.440% 05/15/32		.04/23/2019	JP MORGAN SECURITIES		20,000,000	20,000,000		1FE
701094-AN-4	PARKER-HANNIFIN CORP SR UNSEC 3.250% 06/14/29		.06/05/2019	BARCLAYS BANK PLC		5,283,411	5,300,000		1FE
701094-AP-9	PARKER-HANNIFIN CORP SR UNSEC 4.000% 06/14/49		.06/05/2019	BARCLAYS BANK PLC		8,939,238	9,075,000		1FE
70213H-AC-2	PARTNERS HEALTHCARE SYST CO GUARNT 4.117% 07/01/55		.04/09/2019	WELLS FARGO		476,135	475,000	5,432	1FE
708696-BZ-1	PENNSYLVANIA ELECTRIC CO SR UNSEC 3.600% 06/01/29		.05/28/2019	BARCLAYS BANK PLC		4,191,978	4,200,000		2FE
722844-AA-5	PINE STREET TRUST I SECURED 4.572% 02/15/29		.04/02/2019	CREDIT SUISSE SECURITIES US LL		15,000,000	15,000,000		2FE
72284L-AA-7	PINE STREET TRUST II SECURED 5.568% 02/15/49		.04/02/2019	CREDIT SUISSE SECURITIES US LL		15,000,000	15,000,000		2FE
72353P-AA-4	PION 2019-1 A SEQ 3.967% 06/15/44		.05/23/2019	MIZUHO SECURITIES USA INC.		8,249,952	8,250,000		1FE
72908H-AA-8	PLENARY PROP PURDUE-LLC SR-UNSEC 5.300% 10/31/63		.05/01/2019	PLENARY PROPERTIES PURDUE		8,955,898	8,955,898		2
73808H-AA-5	POTTER ELECTRIC SIGNAL CO-LLC SUB-UNSEC 10%cash 1.5 pik 11.500% 06/17/24		.04/01/2019	Interest Capitalization		49,677	49,677		5
74251V-AR-3	PRINCIPAL FINANCIAL GRP CO GUARNT 3.700% 05/15/29		.05/07/2019	Various		10,473,744	10,500,000		1FE
744482-BM-1	PUB SVC NEW HAMP 1ST MORTG 3.600% 07/01/49		.06/24/2019	JP MORGAN SECURITIES		5,137,795	5,150,000		1FE
744533-DH-4	PUBLIC SERVICE CO OF OKLAHOMA SR-UNSEC 4.110% 06/01/34		.05/23/2019	KEYBANC CAPITAL MARKETS		55,000,000	55,000,000		1Z
74456Q-BZ-8	PUBLIC SERVICE ELECTRIC 1ST MORTG 3.850% 05/01/49		.05/06/2019	MIZUHO SECURITIES USA INC.		1,999,660	2,000,000		1FE
74834L-AX-8	QUEST DIAGNOSTICS INC SR UNSEC 3.500% 03/30/25		.04/05/2019	MIZUHO SECURITIES USA INC.		19,997,800	20,000,000	17,500	2FE
75888H-AA-5	REGED HOLDCO-INC. A11 PIK 13.750% 12/20/26		.04/30/2019	Interest Capitalization		580,575	580,575		3Z
759351-AN-9	REINSURANCE GRP OF AMER SR UNSEC 3.900% 05/15/29		.05/09/2019	Various		37,049,457	37,050,000		2FE
78501H-AA-6	SIW INGREDIENTS HLDGS-LLC SUB-UNSEC 10.5% cash 1%pik 11.500% 07/03/26		.06/30/2019	Interest Capitalization		37,567	37,567		5GI
80282K-AW-6	SANTANDER HOLDINGS USA SR UNSEC 3.500% 06/07/24		.06/04/2019	RBC DAIN RAUSCHER INC.		15,111,993	15,125,000		2FE
80568H-AA-0	SAYERS TECHNOLOGY HLDGS-INC SUB-UNSEC 12.000% 03/26/23		.06/30/2019	Interest Capitalization		155,843	155,843		5
808513-BA-2	CHARLES SCHWAB CORP SR UNSEC 3.250% 05/22/29		.05/20/2019	CREDIT SUISSE SECURITIES US LL		6,975,710	7,000,000		1FE
845011-AB-1	SOUTHWEST GAS CORP SR UNSEC 4.150% 06/01/49		.05/28/2019	WELLS FARGO		1,998,980	2,000,000		1FE
85236H-AA-1	SUNNOVA ISSUER-LLC SR-UNSEC 4.950% 04/30/31		.04/30/2019	WHITEHALL & COMPANY		1,552,751	1,552,751		1PL
855244-AT-6	STARBUCKS CORP SR UNSEC 3.550% 08/15/29		.05/02/2019	CITIGROUP GLOBAL MARKETS INC		55,873,440	56,000,000		2FE
86787E-AN-7	SUNTRUST BANK SR UNSEC 2.750% 05/01/23		.04/18/2019	Various		9,688,068	9,800,000	126,928	1FE
86787E-BE-6	SUNTRUST BANK SR UNSEC 2.800% 05/17/22		.05/14/2019	SUNTRUST CAPITAL MARKETS		24,987,250	25,000,000		1FE
86858H-AA-8	SUPPLYONE HLDGS-LLC SUB-UNSEC 11.500% 02/01/25		.04/01/2019	Interest Capitalization		103,116	103,116		5

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874038-AA-6	TAILWIND SMITH COOPER INTERMED SUB-UNSEC 10% cash 1% pik 11.000% 05/21/24		.05/28/2019	Interest Capitalization		34,302	34,302		5G1
89389D-A*-6	TRANSPORTATION INSIGHT-LLC SR-UNSEC 11.000% 08/30/25		.06/30/2019	Interest Capitalization		70,684	70,684		5
89389D-AA-4	TRANSPORTATION INSIGHT-LLC SUB-UNSEC 13.750% 06/18/26		.06/30/2019	Interest Capitalization		287,111	287,111		3Z
89453F-AA-9	TRAVIS CNTY TEX-AUSTIN TX CTL SR-SEC 4.665% 02/15/46		.05/23/2019	QUAD CAPITAL		6,400,000	6,400,000		1Z
89657B-AA-2	TRL 2019-1A A SEQ 3.820% 04/17/49		.04/02/2019	WELLS FARGO		22,988,482	23,000,000		1FE
90310H-AB-8	UNLV STUDENT HOUSING PHASE I-L 5.500% 08/15/54		.06/18/2019	LESMARK		1,603,603	1,603,603		2FE
92940P-AE-4	WRKCO INC CO GUARNT 3.900% 06/01/28		.05/16/2019	BANK OF AMERICA		1,449,652	1,450,000		2FE
92940P-AF-1	WRKCO INC CO GUARNT 4.200% 06/01/32		.05/22/2019	BANK OF AMERICA		3,717,669	3,730,000	1,167	2FE
931142-DV-2	WALMART INC SR UNSEC 2.650% 12/15/24		.04/10/2019	Various		14,935,405	15,000,000	129,188	1FE
931142-EN-9	WALMART INC SR UNSEC 3.250% 07/08/29		.04/17/2019	Various		52,350,698	52,375,000		1FE
94106L-BG-3	WASTE MANAGEMENT INC CO GUARNT 3.450% 06/15/29		.05/14/2019	MIZUHO SECURITIES USA INC.		12,225,990	12,250,000		2FE
94106L-BJ-7	WASTE MANAGEMENT INC CO GUARNT 4.000% 07/15/39		.05/14/2019	JP MORGAN SECURITIES		9,889,704	9,900,000		2FE
94106L-BK-4	WASTE MANAGEMENT INC CO GUARNT 4.150% 07/15/49		.05/14/2019	JP MORGAN SECURITIES		11,734,960	11,750,000		2FE
95058X-AH-1	WEN 2019-1A A211 SEQ 4.080% 06/15/49		.06/13/2019	GUGGENHEIM CAPITAL MARKETS LLC		34,000,000	34,000,000		2FE
97806*-AH-5	WOLVERINE POWER SUPPLY COOP-IN SR-SEC 3.870% 05/21/49		.05/21/2019	BANK OF AMERICA SECURITIES LLC		50,000,000	50,000,000		1Z
Z00064-98-2	JGWI IX LLC SR-UNSEC 0.000% 05/15/34		.06/20/2019	JGWI IX LLC		(273,968)	(7,325,665)		1Z
Z00066-12-8	JGWI IX LLC SR-UNSEC 4.500% 08/15/43		.06/19/2019	JGWI IX LLC			(2,436,824)		1Z
Z00067-22-5	JGWI IX LLC SR-UNSEC 4.500% 09/15/38		.04/26/2019	JGWI IX LLC		5,151,272	5,151,272		1Z
Z00068-02-5	4-PROPERTY VA LEASE-BKD PT TR SR-SEC 4.120% 07/15/41		.06/04/2019	NEWMARK REALTY CAPITAL		8,772,787	8,772,787		1Z
Z00068-03-3	4-PROPERTY VA LEASE-BKD PT TR SR-SEC 4.120% 01/15/41		.06/04/2019	NEWMARK REALTY CAPITAL		9,156,249	9,156,249		1Z
Z00068-40-5	JGWI IX LLC SR-UNSEC 4.500% 02/15/37		.06/21/2019	JGWI IX LLC		5,698,404	5,698,404		1Z
Z00068-59-5	POINTER HLDGS INC. SUB-UNSEC PIK 12.000% 12/26/25		.06/25/2019	POINTER HOLDINGS INC.		22,181,250	22,750,000		4Z
682142-AA-2	OMERS FINANCE TRUST CO GUARNT 2.500% 05/02/24	A	.04/25/2019	RBC DAIN RAUSCHER INC.		50,816,906	51,100,000		1FE
C0237F-AA-6	ALTIMA DENTAL CANADA HLDGS-INC 11.250% 06/15/23		.04/11/2019	ALTIMA DENTAL CANADA HOLDINGS		7,912,520	7,912,520		5
Z00064-93-3	ALTIMA DENTAL CANADA HLDGS-INC SUB-UNSEC 11.250% 06/16/23		.04/11/2019	ALTIMA DENTAL CANADA HOLDINGS		(5,119,520)	(5,119,520)		5
00135T-AB-0	ATB GROUP PLC SR UNSEC 4.263% 04/10/25	D	.04/12/2019	Various		19,789,844	19,745,000	5,503	2FE
00182E-BC-2	ANZ NEW ZEALAND INTL/LDN CO GUARNT 2.875% 01/25/22	D	.04/16/2019	WELLS FARGO		1,491,735	1,500,000	9,943	1FE
00185A-AC-8	AON PLC CO GUARNT 4.450% 05/24/43	D	.06/14/2019	WELLS FARGO		2,773,733	2,750,000	8,158	2FE
00652M-AE-2	ADANI PORTS AND SPECIAL SR UNSEC 4.375% 06/03/29	D	.06/26/2019	BARCLAYS BANK PLC		11,166,736	11,200,000		2FE
00774M-AB-1	AERCAP IRELAND CAP/GLOBA CO GUARNT 3.650% 07/21/27	D	.05/09/2019	CITIGROUP GLOBAL MARKETS INC		19,057,989	20,085,000	221,941	2FE
052528-AK-2	AUST & NZ BANKING GROUP SUBORD 4.400% 05/19/26	D	.04/22/2019	Various		11,370,816	11,165,000	211,515	2FE
05253J-AS-0	AUST & NZ BANKING GRP NY SR UNSEC 2.625% 05/19/22	D	.04/17/2019	CITIGROUP GLOBAL MARKETS INC		2,081,751	2,100,000	23,428	1FE
09659W-2G-8	BNP PARIBAS SR UNSEC 4.705% 01/10/25	D	.04/11/2019	BNP PARIBAS		20,841,800	20,000,000	248,319	1FE
126878-AA-1	DHL-ZERO COUPON SR 4.640% 03/15/27	D	.06/15/2019	Interest Capitalization		739,647	739,647		2
151191-BE-2	CELULOZA ARAUCO CONSTITU SR UNSEC 4.250% 04/30/29	D	.04/25/2019	JP MORGAN SECURITIES		14,399,660	14,500,000		2FE
151191-BG-7	CELULOZA ARAUCO CONSTITU SR UNSEC 5.500% 04/30/49	D	.04/25/2019	JP MORGAN SECURITIES		2,940,336	2,980,000		2FE
210314-AB-6	TRANSMANTARO SR UNSEC 4.700% 04/16/34	D	.04/11/2019	JP MORGAN SECURITIES		4,890,000	4,890,000		2FE
23636A-AP-6	DANSKE BANK A/S SR UNSEC 3.875% 09/12/23	D	.04/11/2019	BANK OF AMERICA		6,889,470	7,000,000	24,885	2FE
29247Q-AA-2	EMPRESA DE TRANSMISION SR UNSEC 5.125% 05/02/49	D	.04/25/2019	BANK OF AMERICA		3,775,000	3,775,000		2FE
36294B-AJ-3	GS CALTEX CORP SR UNSEC 3.000% 06/04/24	D	.05/29/2019	CITIGROUP GLOBAL MARKETS INC		4,191,894	4,200,000		2FE
38060A-AB-0	GOLD FIELDS OROGEN HOLD CO GUARNT 5.125% 05/15/24	D	.05/08/2019	CITIGROUP GLOBAL MARKETS INC		3,550,000	3,550,000		3FE
40049J-BE-6	GRUPO TELEvisa SAB SR UNSEC 5.250% 05/24/49	D	.05/21/2019	CITIGROUP GLOBAL MARKETS INC		2,563,288	2,600,000		2FE
44040H-AB-8	HORZN 2019-1 B SUB 4.703% 07/15/39	D	.06/21/2019	MIZUHO SECURITIES USA INC.		6,999,766	7,000,000		2FE
44962L-AC-1	IHS MARKIT LTD CO GUARNT 4.000% 03/01/26	D	.04/03/2019	SUNTRUST CAPITAL MARKETS		1,991,700	2,000,000	7,556	2FE
44962L-AH-0	IHS MARKIT LTD SR UNSEC 3.625% 05/01/24	D	.04/03/2019	CITIGROUP GLOBAL MARKETS INC		9,719,385	9,750,000		2FE
44962L-AJ-6	IHS MARKIT LTD SR UNSEC 4.250% 05/01/29	D	.05/02/2019	Various		34,560,284	34,700,000	32,465	2FE
456837-AP-8	ING GROEP NV SR UNSEC 3.550% 04/09/24	D	.04/02/2019	CITIGROUP GLOBAL MARKETS INC		5,776,338	5,775,000		1FE
456837-AQ-6	ING GROEP NV SR UNSEC 4.050% 04/09/29	D	.04/11/2019	Various		26,790,656	26,725,000	9,349	1FE
55300R-AB-7	MGM CHINA HOLDINGS LTD SR UNSEC 5.875% 05/15/26	D	.05/09/2019	Various		2,943,438	2,925,000		3FE
62954H-AA-6	NXP BV/NXP FDG/NXP USA CO GUARNT 3.875% 06/18/26	C	.06/11/2019	GOLDMAN SACHS & COMPANY		9,996,400	10,000,000		2FE
62954H-AB-4	NXP BV/NXP FDG/NXP USA CO GUARNT 4.300% 06/18/29	C	.06/11/2019	BANK OF AMERICA		9,965,400	10,000,000		2FE
67576G-AD-9	ODBRCHT OFFSHRE DRLL FIN SR SEC 7.720% 12/01/26	D	.06/05/2019	Interest Capitalization		346,491	346,491		6*
71647N-BD-0	PETROBRAS GLOBAL FINANCE CO GUARNT 6.900% 03/19/49	D	.05/28/2019	BANK OF AMERICA		2,761,500	2,750,000		3FE
80414L-2E-4	SAUDI ARABIAN OIL CO SR UNSEC 4.250% 04/16/39	D	.04/26/2019	JP MORGAN SECURITIES		12,473,558	12,700,000	11,817	1FE
82460C-AN-4	SHINHAN BANK SUBORD 4.000% 04/23/29	D	.04/15/2019	JP MORGAN SECURITIES		12,073,120	12,200,000		2FE
833636-AH-6	SOCIEDAD QUIMICA Y MINER SR UNSEC 4.250% 05/07/29	D	.05/02/2019	BANK OF AMERICA		9,923,412	9,925,000		2FE
85573L-AA-9	STARR 2019-1 A SEQ 4.089% 03/15/44	D	.04/12/2019	DEUTSCHE BANK SECURITIES INCOR		7,999,643	8,000,000		1FE
85573L-AB-7	STARR 2019-1 B SUB 5.095% 03/15/44	D	.04/12/2019	DEUTSCHE BANK SECURITIES INCOR		3,249,917	3,250,000		2FE



STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 3

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

1	2	3	4	5	6	7	8	9	10
CUSIP Identification	Description	Foreign	Date Acquired	Name of Vendor	Number of Shares of Stock	Actual Cost	Par Value	Paid for Accrued Interest and Dividends	NAIC Designation and Administrative Symbol/Market Indicator (a)
86964W-AG-7	SUZANO AUSTRIA GMBH CO.GUARNT 5.000% 01/15/30	D	.05/21/2019	BANK OF AMERICA		4,926,650	5,000,000		2FE
87938W-AT-0	TELEFONICA EMISIONES SAU CO.GUARNT 4.103% 03/08/27	D	.04/30/2019	Various		10,256,530	10,000,000	61,203	2FE
88032W-AM-8	TENCENT HOLDINGS LTD SR UNSEC 3.575% 04/11/26	D	.04/03/2019	DEUTSCHE BANK SECURITIES INCOR		6,999,580	7,000,000		1FE
91127K-AC-6	UNITED OVERSEAS BANK LTD SUBORD 3.750% 04/15/29	D	.04/08/2019	HSBC SECURITIES USA INC		10,364,328	10,400,000		1FE
92857W-BS-8	VODAFONE GROUP PLC SR UNSEC 4.875% 06/19/49	D	.06/12/2019	BANK OF AMERICA		9,825,100	10,000,000		2FE
F0405#-AA-9	SERVIER S.A.S. SR-UNSEC 4.220% 06/20/26	D	.06/20/2019	SOCIETE GENERALE		75,000,000	75,000,000		2Z
G1710#-AC-2	CHRISTIE'S INTL PLC A-SR-UNSEC 4.340% 05/15/26	C	.05/15/2019	JP MORGAN SECURITIES		20,000,000	20,000,000		2Z
G1710#-AD-0	CHRISTIE'S INTL PLC B-SR-UNSEC 4.540% 05/15/29	C	.05/15/2019	JP MORGAN SECURITIES		10,000,000	10,000,000		2Z
G2130#-AD-0	TIAA CHURCHILL MID MKT CLO IV SUB-SUB-UNSEC CLO IV 0.000% 04/20/26	D	.04/24/2019	WELLS FARGO		4,998,889	4,998,889		6*
G4588#-BO-3	INTERMEDIATE CAPITAL GROUP PLC SR-UNSEC 4.760% 04/24/24	D	.04/24/2019	LLOYDS		7,000,000	7,000,000		2Z
G7334#-AV-5	RRPF ENGINE LEASING LIMITED Se SR-UNSEC 4.460% 06/13/28	D	.04/11/2019	BANK OF AMERICA SECURITIES LLC		7,000,000	7,000,000		1FE
G7334#-AW-3	RRPF ENGINE LEASING LIMITED Se SR-UNSEC 4.610% 02/11/31	D	.04/11/2019	BANK OF AMERICA SECURITIES LLC		7,000,000	7,000,000		1FE
N6587*-AA-1	ALLIANCE AUTOMOTIVE NETHERLAND SR-UNSEC 1.550% 05/31/29		.05/28/2019	BANK AMERICA LEASING & CAPITAL		16,748,922	16,748,922		2Z
N6587*-AB-9	ALLIANCE AUTOMOTIVE NETHERLAND SR-UNSEC 1.740% 05/31/31		.05/28/2019	BANK AMERICA LEASING & CAPITAL		26,798,276	26,798,276		2Z
P3596#-AA-3	EVN ENERGAA DEL VALLE DE MEXIC SR-UNSEC 6.020% 12/31/40	D	.06/28/2019	SUMITOMO BANK LTD. NEW YORK		1,784,390	1,784,390		2PL
P4000*-AE-5	CORPORACI?N INMOBILIARIA VESTA SR-UNSEC 5.180% 06/14/29	D	.06/25/2019	CITIGROUP GLOBAL MARKETS INC		50,000,000	50,000,000		2Z
Q4352*-AA-6	GROWTHPOINT PROP AUSTRALIA LTD SR-SEC 4.430% 05/23/29	D	.05/23/2019	BANK OF AMERICA SECURITIES LLC		30,000,000	30,000,000		2Z
Q5601#-AA-0	LLITST FINANCE PTY LTD SR-UNSEC 4.300% 04/09/29	D	.04/09/2019	COMM. BANK OF AUSTRLIA		18,000,000	18,000,000		2FE
Q5601#-AB-8	LLITST FINANCE PTY LTD SR-UNSEC 4.400% 04/09/31	D	.04/09/2019	COMM. BANK OF AUSTRLIA		9,000,000	9,000,000		2FE
Q6235#-AT-9	MIRVAC GROUP FINANCE LTD SR-UNSEC 4.080% 09/18/30	D	.06/18/2019	RBC CAPITAL MARKETS		27,000,000	27,000,000		1Z
Q6235#-AU-6	MIRVAC GROUP FINANCE LTD SR-UNSEC 4.160% 09/18/32	D	.06/18/2019	RBC CAPITAL MARKETS		20,000,000	20,000,000		1Z
Q8773#-AT-5	STOCKLAND TRUST MGMT LTD SR-UNSEC 3.810% 04/30/29	D	.04/30/2019	NATIONAL AUSTRALIA BANK		27,000,000	27,000,000		1Z
Q8773#-AU-2	STOCKLAND TRUST MGMT LTD SR-UNSEC 3.910% 04/30/31	D	.04/30/2019	NATIONAL AUSTRALIA BANK		34,000,000	34,000,000		1Z
Q8194*-AL-3	TRANSURBAN QUEENSLAND FINANCE SR-UNSEC 3.960% 05/15/29	D	.05/15/2019	NATIONAL AUSTRALIA BANK		24,000,000	24,000,000		2FE
Q8194*-AM-1	TRANSURBAN QUEENSLAND FINANCE SR-UNSEC 4.060% 05/15/31	D	.05/15/2019	NATIONAL AUSTRALIA BANK		23,000,000	23,000,000		2FE
3899999. Subtotal - Bonds - Industrial and Miscellaneous (Unaffiliated)						4,551,971,216	4,542,491,882	8,189,285	XXX
464287-24-2	LQD ISHARES IBOXX INVESTMENT GRA		.06/18/2019	GOLDMAN SACHS - CORPORATES	.0 000	625,000,022			2
8199999. Subtotal - Bonds - SVO Identified Funds						625,000,022			XXX
01973K-AE-6	ALLISON TRANSMISSION INC ALLISON TRANSMISSION INC 03/29/26		.04/03/2019	Taxable Exchange		16,927,272	16,837,863		2FE
03217F-AH-2	AMSPEC SERVICES INC SR-UNSEC 07/02/24		.06/28/2019	No Broker		1,576,923	1,576,923		4Z
03939E-AD-1	ARCH GLOBAL COT HLDGS CORP SR-UNSEC 04/01/26		.04/01/2019	ANTARES		11,538,077	11,538,462		4Z
08579J-BC-5	BERRY PLASTICS GROUP INC BERRY PLASTICS GROUP INC 05/17/26		.05/17/2019	GOLDMAN SACHS & COMPANY		18,478,688	18,525,000		3FE
20007*-AC-5	COMAR HLDG CO LLC SR-UNSEC 06/18/24		.04/29/2019	VARAGON CAPITAL PARTNERS		111,702	111,702		3Z
21718#-AA-5	COP GNAP HLDGS-INC. SUB-UNSEC 05/01/25		.04/12/2019	COP GNAP HOLDINGS		2,116,800	2,116,800		4Z
21718#-AC-1	COP GNAP HLDGS-INC. SR-UNSEC 11/01/24		.04/12/2019	NXT CAPITAL		28,889	28,889		4Z
21720*-AA-3	COP HOME SERVICES HLDGS-INC. SUB-UNSEC 11/13/25		.05/13/2019	COP GNAP HOLDINGS		12,000,000	12,000,000		4Z
22235C-AA-2	COUNTRY FRESH HLDGS LLC SR-UNSEC 03/31/23		.04/03/2019	JP MORGAN SECURITIES		262,375	262,375		4Z
22243#-AA-5	COUNTRY FRESH HLDGS LLC SR-SEC 03/31/23		.04/10/2019	SUNTRUST CAPITAL MARKETS		629,700	655,938		4Z
22243#-AA-5	COUNTRY FRESH HLDGS LLC SR-SEC 03/31/23		.04/10/2019	SUNTRUST CAPITAL MARKETS		(629,700)	(655,938)		4Z
26828K-AB-6	GOPHER RESOURCE LLC GOPHER RESOURCE LLC 03/06/25		.05/08/2019	CREDIT SUISSE SECURITIES US LL		4,765,125	4,850,000		4FE
26924#-AA-4	E-TECHNOLOGIES GROUP-LLC SUB-UNSEC 13.25 PIK OPTION 10/04/24		.04/08/2019	E-TECHNOLOGIES GROUP		11,760,000	12,000,000		4Z
26924#-AC-0	E-TECHNOLOGIES GROUP LLC SR-UNSEC 04/08/24		.05/30/2019	No Broker		1,640,000	1,640,000		4Z
28656L-AN-1	ELIASSEN GROUP LLC SR-UNSEC 11/05/24		.05/15/2019	KEYBANC CAPITAL MARKETS		2,833,973	2,848,214		4Z
30606*-AA-3	FALCON BUYER INC SR-UNSEC 04/10/24		.06/12/2019	No Broker		3,875,000	3,875,000		4Z
30606*-AC-9	FALCON BUYER INC SR-UNSEC 04/10/24		.04/10/2019	REGIONS BANK		11,343,000	11,400,000		4Z
37244#-AB-0	GENSERVE LLC SR-UNSEC 04/12/24		.04/16/2019	MADISON CAPITAL FUNDING		2,949,667	2,949,667		4Z
37958Y-AH-2	GLOBALTRANZ ENTERPRISES INC SR-UNSEC 10/16/20		.04/01/2019	BNP PARIBAS		1,774,684	1,783,868		4Z
38742E-AB-8	SCS HOLDINGS I INC SCS HOLDINGS I INC 07/03/26		.05/22/2019	CREDIT SUISSE SECURITIES US LL		12,069,750	12,100,000		4FE
43129*-AB-2	HILB GROUP LLC-THE SR-UNSEC 06/24/21		.05/09/2019	MADISON CAPITAL FUNDING		3,419,307	3,419,307		5
43289D-AH-6	HILTON WORLDWIDE FINANCE HILTON WORLDWIDE FINANCE 06/21/26		.06/24/2019	Tax Free Exchange		20,207,393	20,078,352		2FE
44043V-AL-2	HORIZON PHARMA INC HORIZON PHARMA INC 05/22/26		.05/24/2019	Tax Free Exchange		10,024,663	10,132,216		3FE
44932U-AB-0	IAA SPINCO INC IAA SPINCO INC 05/22/26		.05/22/2019	JP MORGAN SECURITIES		2,793,000	2,800,000		3FE
45173J-AJ-3	II-VI INC II-VI INC 05/08/26		.06/17/2019	BANK OF AMERICA		12,037,875	12,150,000		3FE
45320*-AC-2	IMPLEMENTATION MGMT ASSISTANCE SR-UNSEC 12/13/23		.06/13/2019	ACQUISITION RESOURCE CORP		280,000	280,000		1FE
45719#-AB-1	INHANCE TECHNOLOGIES HLDGS LLC SR-UNSEC 07/16/24		.05/02/2019	GOLUB CAPITAL		1,091,562	1,091,562		4Z
48268J-AB-0	KSLB HLDGS LLC SR-UNSEC 07/30/23		.06/28/2019	ANTARES		2,833,333	2,833,333		5G1
56340#-AD-1	MB2 DENTAL SOLUTIONS-LLC INCREMENTAL TL 03/29/24		.05/14/2019	MB2 DENTAL SOLUTIONS LLC		6,365,000	6,365,000		5

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 3

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

1	2	3	4	5	6	7	8	9	10
CUSIP Identification	Description	Foreign	Date Acquired	Name of Vendor	Number of Shares of Stock	Actual Cost	Par Value	Paid for Accrued Interest and Dividends	NAIC Designation and Administrative Symbol/Market Indicator (a)
55340#-AD-1	MB2 DENTAL SOLUTIONS-LLC INCREMENTAL TL 03/29/24		.05/14/2019	Interest Capitalization		(7,320)	(7,320)		5
55936#-AA-7	TRUMP CARD HLDGS LLC SR-UNSEC 04/21/22		.04/30/2019	MADISON CAPITAL FUNDING		.445,500	.450,000		2PL
55936#-AB-5	TRUMP CARD HLDGS LLC SR-UNSEC 04/21/22		.06/28/2019	MADISON CAPITAL FUNDING		.451,121	.451,121		2PL
56032Y-AF-6	MAILSOUTH INC SR-UNSEC 04/24/23		.06/21/2019	ANTARES		.550,000	.550,000		4
56377#-AB-1	MANNA PRO PRODUCTS LLC SR-UNSEC 12/08/23		.05/31/2019	VARAGON CAPITAL PARTNERS		.2,112,500	.2,112,500		5GI
58828*-AC-0	MIDWEST CAN CO LLC SR-UNSEC 04/11/24		.04/24/2019	CAMBRIDGE INTL SECURITIES INC.		.600,000	.600,000		4
62890H-AC-9	NS412 LLC SR-UNSEC 05/06/25		.05/06/2019	JP MORGAN SECURITIES		.16,335,000	.16,500,000		4Z
62922E-AB-0	NUYEVE LLC SR-UNSEC 09/14/24		.04/29/2019	ANTARES		.496,700	.496,700		2PL
66573E-AC-1	NORTHERN STAR INDUSTRIES INC SR-UNSEC 03/28/25		.05/16/2019	KEYBANC CAPITAL MARKETS		.2,863,786	.2,903,644		4
66989B-AC-5	NOVARIA HLDGS LLC SR-UNSEC 12/19/24		.04/18/2019	CITIZENS BANK		.2,743,125	.2,770,833		2PL
69322#-AA-0	PB PARENT-LLC SUB-UNSEC 07/18/25		.06/30/2019	Interest Capitalization		.217,389	.217,389		4
69396#-AB-1	PPT MGMT HLDGS LLC SR-UNSEC 12/16/22		.04/01/2019	Interest Capitalization		.269,077	.269,077		3PL
70439#-AC-6	PAYMENT ALLIANCE TERM LOAN 01/31/24		.06/14/2019	No Broker		.3,100,000	.3,100,000		4Z
71584#-AB-7	PET SUPPLIES PLUS LLC SR-UNSEC 12/12/23		.04/09/2019	No Broker		.1,116,279	.1,116,279		3PL
75000*-AA-0	RSC ACQUISITION INC SR-UNSEC 11/30/22		.06/17/2019	TAX FREE EXCH NOT SALE		.7,236,551	.7,236,551		5
75000E-AB-7	RSC ACQUISITION INC SR-UNSEC 11/30/22		.05/31/2019	ANTARES		.3,038,400	.3,038,400		5
81722K-AD-4	CHASE INDUSTRIES INC SR-UNSEC 05/11/25		.05/03/2019	ANTARES		.1,794,152	.1,794,152		5GI
83174#-AB-8	SMILE DOCTORS LLC SR-UNSEC 10/06/22		.06/27/2019	TWIN BROOK CAPITAL PARTNERS LL		.1,551,688	.1,551,688		2PL
855031-AQ-3	STAPLES INC STAPLES INC 04/12/26		.04/25/2019	Taxable Exchange		.48,440,331	.49,375,000		4FE
87510E-AB-5	TAMKO BUILDING PRODUCTS INC TAMKO BUILDING PRODUCTS INC 05/31/26		.05/03/2019	JP MORGAN SECURITIES		.895,500	.900,000		4FE
89705D-AD-4	TRONOX FINANCE LLC TRONOX FINANCE LLC 09/23/24		.04/29/2019	Taxable Exchange		.8,771,336	.8,754,876		3FE
90388H-AB-1	ULTRA RESOURCES INC ULTRA RESOURCES INC 04/12/24		.06/27/2019	Interest Capitalization		.23,717	.23,717		4FE
90470C-AH-8	UNIFIED PHYSICIAN MGMT LLC SR-UNSEC 11/27/23		.05/13/2019	ANTARES		.4,752,000	.4,800,000		4Z
91865F-AF-6	VACO HLDGS LLC SR-UNSEC 11/09/22		.05/09/2019	ANTARES		.2,220,000	.2,220,000		5GI
95841#-AB-5	WIRB CORPERNICUS GROUP INC SR-UNSEC 08/15/22		.05/08/2019	Tax Free Exchange		.462,000	.462,000		5
95841#-AD-1	WIRB CORPERNICUS GROUP INC SR-UNSEC 08/15/22		.04/01/2019	GOLUB CAPITAL		.462,000	.462,000		4Z
96208U-AP-6	WEX INC WEX INC 05/17/26		.05/21/2019	Tax Free Exchange		.46,346,956	.46,125,256		3FE
BL3009-34-9	GENTIVA HEALTH SERVICES GENTIVA HEALTH SERVICES 07/02/25		.06/12/2019	JP MORGAN SECURITIES		.2,821,469	.2,825,000		4FE
BL3017-37-5	ALLIED UNIVERSAL HOLDCO LLC ALLIED UNIVERSAL HOLDCO LLC 06/27/26		.06/27/2019	CREDIT SUISSE SECURITIES US LL		.22,925,635	.23,157,207		4FE
BL3017-38-3	ALLIED UNIVERSAL HOLDCO LLC ALLIED UNIVERSAL HOLDCO LLC 06/27/26		.06/27/2019	CREDIT SUISSE SECURITIES US LL		.2,269,865	.2,292,793		4FE
BL3051-57-2	TALEN ENERGY SUPPLY LLC TALEN ENERGY SUPPLY LLC 06/28/26		.06/28/2019	JP MORGAN SECURITIES		.10,147,500	.10,250,000		4FE
Z00056-40-0	LIGADO NETWORKS-INC. SR-SEC 12/07/20		.06/07/2019	Interest Capitalization		.197,680	.197,680		5GI
Z00059-97-4	SAYERS TECHNOLOGY HLDGS-INC PFDS-UNSEC 03/27/26		.06/01/2019	Interest Capitalization		.18,773	.18,773		5GI
Z00061-23-6	ISOLOGIC INNOVATIVE RADIOPHARM SR-UNSEC 06/11/23		.05/17/2019	CIT CAPITAL SECURITIES LLC		.1,824,410	.1,824,410		4Z
Z00065-08-8	NORTH HAVEN CA HLDGS INC SR-UNSEC 10/01/23		.06/03/2019	JP MORGAN SECURITIES		.2,627,339	.2,627,339		4Z
Z00066-65-6	MB2 DENTAL SOLUTIONS-LLC 11% pik 1% cash 10 03/24/24		.05/14/2019	MB2 DENTAL SOLUTIONS LLC		(6,365,000)	(6,365,000)		4Z
Z00066-75-5	ARCH GLOBAL CCT HLDGS CORP SR-UNSEC 04/01/26		.06/20/2019	ANTARES		.865,385	.865,385		4Z
Z00066-86-2	FLIGHT BUYER LLC SR-UNSEC 04/08/26		.04/08/2019	ANTARES		.11,970,000	.11,970,000		4Z
Z00066-86-2	FLIGHT BUYER LLC SR-UNSEC 04/08/26		.04/08/2019	ANTARES		.30,000	.30,000		4Z
Z00066-87-0	FLIGHT BUYER LLC SR-UNSEC 04/08/26		.06/04/2019	ANTARES		.600,000	.600,000		4Z
Z00066-88-8	FLIGHT BUYER LLC SR-UNSEC 04/08/24		.04/08/2019	No Broker		.722,892	.722,892		4Z
Z00066-89-6	E-TECHNOLOGIES GROUP LLC SR-UNSEC 04/08/24		.04/08/2019	E-TECHNOLOGIES GROUP		.11,652,795	.11,770,500		4Z
Z00066-89-6	E-TECHNOLOGIES GROUP LLC SR-UNSEC 04/08/24		.04/08/2019	E-TECHNOLOGIES GROUP		.29,205	.29,500		4Z
Z00067-27-4	COUNTRY FRESH HLDGS LLC SR-UNSEC 05/01/23		.04/29/2019	No Broker		.906,439	.906,439		4Z
Z00067-28-2	COUNTRY FRESH HLDGS LLC 2ND LIEN 03/31/23		.04/29/2019	TAXABLE EXCH RECORD AS SALE		.2,280,455	.2,280,455		4Z
Z00067-28-2	COUNTRY FRESH HLDGS LLC 2ND LIEN 03/31/23		.06/28/2019	Interest Capitalization		.42,121	.42,121		4Z
Z00067-32-4	MOKISSOCK LLC SR-UNSEC 05/01/25		.05/01/2019	CRESCENT CAPITAL GROUP		.16,403,600	.16,569,292		4Z
Z00067-34-0	MOKISSOCK LLC SR-UNSEC 05/01/25		.05/01/2019	No Broker		.109,589	.109,589		4Z
Z00067-50-6	AHEAD LLC SR-UNSEC 05/09/24		.05/08/2019	REGIONS BANK		.8,234,483	.8,275,862		4Z
Z00067-63-9	ISOLOGIC INNOVATIVE RADIOPHARM SR-UNSEC 06/11/23		.05/17/2019	CIT STRUCTURE FINANCE		.4,014,286	.4,014,286		4Z
Z00067-71-2	TAILWIND RANDYS LLC SR-UNSEC 05/16/25		.05/16/2019	BANK OF MONTREAL		.12,375,000	.12,500,000		4Z
Z00067-73-8	TAILWIND RANDYS LLC SR-UNSEC 05/16/25		.05/16/2019	No Broker		.833,333	.833,333		4Z
Z00067-76-1	HILB GROUP LLC-THE DOTL B 06/24/21		.06/24/2019	MADISON CAPITAL FUNDING		.807,044	.814,053		4Z
Z00067-76-1	HILB GROUP LLC-THE DOTL B 06/24/21		.06/24/2019	MADISON CAPITAL FUNDING		.2,762	.2,762		4Z
Z00067-96-9	COMPOSITE TECHNOLOGY ACQUISITI SR-UNSEC 02/01/25		.06/20/2019	COMPOSITE TECHNOLOGY ACQUISITI		.987,840	.1,008,000		4Z
Z00067-97-7	PROTEIN FOR PETS OPCO LLC 11/30/25		.05/31/2019	ANTARES		.14,836,695	.15,000,000		4Z
Z00067-98-5	PROTEIN FOR PETS OPCO LLC SR-UNSEC 05/31/24		.06/13/2019	MIDWEST CAN COMPANY		.347,200	.347,200		4Z
Z00068-07-4	NORTH HAVEN SPARTAN US HOLDCO SR-SEC 06/06/25		.06/06/2019	ANTARES		.9,729,310	.9,827,586		4Z

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 3

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

1	2	3	4	5	6	7	8	9	10
CUSIP Identification	Description	Foreign	Date Acquired	Name of Vendor	Number of Shares of Stock	Actual Cost	Par Value	Paid for Accrued Interest and Dividends	NAIC Designation and Administrative Symbol/Market Indicator (a)
Z00068-17-3	SOS SECURITY HLDGS LLC SR-UNSEC 04/30/25		06/14/2019	VARAGON CAPITAL PARTNERS		11,314,286	11,428,571		4Z
Z00068-25-6	SOS SECURITY HLDGS LLC SR-UNSEC 04/30/25		06/25/2019	VARAGON CAPITAL PARTNERS		324,230	324,384		4Z
Z00068-38-9	BROWN & JOSEPH LLC SR-UNSEC 06/20/24		06/20/2019	TWIN BROOK CAPITAL PARTNERS LL		14,850,000	15,000,000		4Z
Z00068-42-1	Boulder scientific 1st lien 12/31/25		06/28/2019	ANTARES		750,000	750,000		4Z
Z00068-43-9	Boulder scientific 1st lien 12/31/25		06/28/2019	ANTARES		9,900,000	10,000,000		4Z
Z00068-55-3	Scaled agile closing 06/28/24		06/28/2019	MADISON CAPITAL FUNDING		4,513,235	4,558,824		4Z
Z00068-63-7	SW HLDGS-LLC SR-UNSEC 06/28/25		06/28/2019	SW HOLDINGS		618,768	625,018		4Z
C7052B-AF-1	GFL ENVIRONMENTAL INC GFL ENVIRONMENTAL INC 05/31/25	A	04/23/2019	BARCLAYS BANK PLC		16,553,875	16,700,000		4FE
22243#-AA-5	COUNTRY FRESH HLDGS LLC SR-SEC		04/10/2019	SUNTRUST CAPITAL MARKETS		629,700	655,938		4Z
8299999. Subtotal - Bonds - Bank Loans						525,979,045	529,258,588		XXX
8399997. Total - Bonds - Part 3						5,976,167,349	5,345,496,214	8,636,227	XXX
8399998. Total - Bonds - Part 5						XXX	XXX	XXX	XXX
8399999. Total - Bonds						5,976,167,349	5,345,496,214	8,636,227	XXX
14152#-12-9	ZYWAVE INSURANCE SOLUTIONS PREFERRED EQUITY COINVEST		04/25/2019	JP MORGAN SECURITIES	3,019,330	3,019,330	0.00		RP52A
Z00058-98-4	TIAA CHURCHILL MIDDLE MARKET C PFDS CLO V		04/25/2019	WELLS FARGO	14,800,000,000	14,800,000	0.00		P6*L
ZD7171-71-7	FCG ACQUISITIONS INC SERIES A-1 FLOW CONTROL GROUP		06/06/2019	Various	528,130	528,133	0.00		P4ZL
Z00067-41-5	TIAA CHURCHILL MIDDLE MARKET C PFDS	D	06/20/2019	WELLS FARGO	39,996,000,000	39,996,000	0.00		P561A
ZD1919-19-4	SAMUNNATI FINL INTERMED & SERV	B	05/15/2019	JP MORGAN SECURITIES	226,730,000	20,202,228	0.00		P3ZL
8499999. Subtotal - Preferred Stocks - Industrial and Miscellaneous (Unaffiliated)						78,545,691	XXX		XXX
8999997. Total - Preferred Stocks - Part 3						78,545,691	XXX		XXX
8999998. Total - Preferred Stocks - Part 5						XXX	XXX	XXX	XXX
8999999. Total - Preferred Stocks						78,545,691	XXX		XXX
053386-10-6	AVALAR AVALARA INC		06/22/2019	DISTRIBUTION	6,390,000	441,185			V
45165*-10-6	IDEAL TRIDON HOLDINGS INC		06/25/2019	JP MORGAN SECURITIES	7,807,870	9,750,000			V
ZD1414-14-7	COP MOORE HOME SERVICES		06/19/2019	COP HOME SERVICES HOLDINGS	62,000,000	6,200,000			V
ZD4545-45-9	COUNTRY FRESH HLDGS LLC		04/29/2019	TAXABLE EXCH RECORD AS SALE	3,610,720	3,081,484			V
ZD5100-00-7	FEDERAL HOME LOAN BANK MEMBERSHIP STOCK		06/28/2019	FEDERAL HOME LOAN BANK	6,912,152,000	691,215,200			V
ZD6767-67-1	MSM ACQUISITIONS		06/14/2019	JP MORGAN SECURITIES	1,151,160	127,848			V
65990T-N2-3	SAMUNNATI FINL INTERMED & SERV SERIES D EQUITY	B	05/15/2019	JP MORGAN SECURITIES	100,000				V
INE428-00-1	SURYODAY SMALL FINANCE BK LTD	B	05/09/2019	SYNOVUS SECURITIES INC	3,382,242,000	8,796,532			V
9099999. Subtotal - Common Stocks - Industrial and Miscellaneous (Unaffiliated)						719,612,249	XXX		XXX
68062#-10-8	OLEUM HOLDING COMPANY, INC.		06/28/2019	CAPITAL CONTRIBUTION	0.000	668,945			K
60407*-10-3	ND Properties, Inc.		06/30/2019	Issuer	68.000	51,660,310			K
000000-00-0	MYVEST CORPORATION		06/30/2019	CAPITAL CONTRIBUTION	0.000	691,737			K
87226#-10-3	T-C Europe Holding, Inc.		06/30/2019	Issuer	1.000	124,185			K
9199999. Subtotal - Common Stocks - Parent, Subsidiaries and Affiliates						53,145,177	XXX		XXX
67092P-86-2	MULC NUVEEN ESG LARGE-CAP ETF		06/04/2019	INSTINET CTS	190,000,000	4,818,932			L
000000-00-0	TIAA-GREF Tuition Financing, LLC	A	06/30/2019	ISSUER	1.000	15,000,000			K
9299999. Subtotal - Common Stocks - Mutual Funds						19,818,932	XXX		XXX
9799997. Total - Common Stocks - Part 3						792,576,358	XXX		XXX
9799998. Total - Common Stocks - Part 5						XXX	XXX	XXX	XXX
9799999. Total - Common Stocks						792,576,358	XXX		XXX
9899999. Total - Preferred and Common Stocks						871,122,049	XXX		XXX
9999999 - Totals						6,847,289,398	XXX	8,636,227	XXX

(a) For all common stock bearing the NAIC market indicator "U" provide: the number of such issues

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 4

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

1	2	3	4	5	6	7	8	9	10	Change In Book/Adjusted Carrying Value					16	17	18	19	20	21	22
										11	12	13	14	15							
CUSIP Ident-ification	Description	For-foreign	Disposal Date	Name of Purchaser	Number of Shares of Stock	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 and Admini-strative Symbol /Market Indicator (a)
02265Q-AA-6	AMAL LTD US GOVT GUARANT 3.465% 08/21/21 .FHA PROJECT LNH#9 .FHA PROJECT LNH#9 7.43		05/21/2019	Redemption	100.0000		349,768	349,768	349,768						349,768				6,060	08/21/2021	1
311995-E2-6	7.430% 05/01/23		05/01/2019	Paydown		134	134	130	132		1		1		134				4	05/01/2023	1
36177N-SL-0	GN 794450 2.710% 12/15/29		06/01/2019	Paydown		1,028,572	1,028,572	1,028,572	1,028,572						1,028,572				11,618	12/15/2029	1
36179A-SR-8	GN AC1428 2.690% 06/15/33		06/01/2019	Paydown		911,281	911,281	878,318	883,545		27,735		27,735		911,281				10,217	06/15/2033	1
36179D-BB-2	GN AC3663 2.490% 06/15/35		06/01/2019	Paydown		1,498,701	1,498,701	1,448,120	1,455,940		42,761		42,761		1,498,701				15,554	06/15/2035	1
3617A0-WA-0	GN A00641 3.130% 07/15/35		06/01/2019	Paydown		1,185,037	1,185,037	1,185,037	1,185,037						1,185,037				15,461	07/15/2035	1
3617BU-DK-2	GN BE1006 3.625% 01/15/43		06/01/2019	Paydown		114,288	114,288	117,145	117,048		(2,760)		(2,760)		114,288				1,727	01/15/2043	1
36180K-ZK-6	GN AD7978 3.920% 05/15/33		06/01/2019	Paydown		136,305	136,305	136,022	136,034		270		270		136,305				2,227	05/15/2033	1
36180U-O4-4	GN AE2275 3.500% 01/15/32		06/01/2019	Paydown		252,308	252,308	243,339	245,456		6,852		6,852		252,308				3,681	01/15/2032	1
36180W-TJ-8	GN AE4497 4.450% 06/15/55		06/01/2019	Paydown		30,433	30,433	30,477	30,472		(39)		(39)		30,433				565	06/15/2055	1
36180W-E5-0	GN AE3756 4.900% 07/15/55		06/01/2019	Paydown		12,313	12,313	14,173	14,072		(1,759)		(1,759)		12,313				251	07/15/2055	1
36180W-E6-8	GN AE3757 4.250% 01/15/39		06/01/2019	Paydown		145,999	145,999	146,455	146,343		(345)		(345)		145,999				2,587	01/15/2039	1
36180W-EZ-4	GN AE3752 4.400% 09/15/50		06/01/2019	Paydown		32,051	32,051	33,345	33,296		(1,245)		(1,245)		32,051				588	09/15/2050	1
36181D-XS-0	GN AE9689 4.600% 05/15/55		06/01/2019	Paydown		34,371	34,371	34,371	34,371						34,371				659	05/15/2055	1
36181G-WY-1	GN AF1563 3.960% 05/15/30		06/01/2019	Paydown		1,252,630	1,252,630	1,277,682	1,270,419		(17,789)		(17,789)		1,252,630				20,678	05/15/2030	1
36181R-SZ-4	GN AF9864 4.250% 09/15/38		06/01/2019	Paydown		1,742,818	1,742,818	1,742,818	1,742,818						1,742,818				30,878	09/15/2038	1
36181R-6A-8	GN AF9865 4.000% 03/15/34		06/01/2019	Paydown		495,819	495,819	505,735	503,419		(7,600)		(7,600)		495,819				8,268	03/15/2034	1
36181R-6C-4	GN AF9867 4.740% 03/15/41		06/01/2019	Paydown		294,127	294,127	320,550	318,720		(24,593)		(24,593)		294,127				5,812	03/15/2041	1
36181R-6E-0	GN AF9869 4.700% 03/15/41		06/01/2019	Paydown		118,209	118,209	126,567	126,014		(7,805)		(7,805)		118,209				2,316	03/15/2041	1
36182C-YS-0	GN AG7921 3.450% 11/15/36		05/01/2019	Paydown		748,064	748,064	752,271	751,603		(3,539)		(3,539)		748,064				9,680	11/15/2036	1
36189E-PN-0	GN AP6729 4.450% 03/15/41		06/01/2019	Paydown		46,847	46,847	50,598	50,334		(3,487)		(3,487)		46,847				869	03/15/2041	1
36194T-4T-0	GN AU6234 4.000% 04/15/37		06/01/2019	Paydown		446,212	446,212	480,445	477,200		(30,988)		(30,988)		446,212				7,440	04/15/2037	1
36195W-XJ-2	GN AW7881 3.970% 02/15/37		06/01/2019	Paydown		759,791	759,791	809,177	804,494		(44,703)		(44,703)		759,791				12,574	02/15/2037	1
36202E-UR-8	G2 4192 4.500% 07/20/38		06/01/2019	Paydown		218,334	218,334	212,978	213,126		5,208		5,208		218,334				4,095	07/20/2038	1
36202E-VP-1	G2 4222 6.000% 08/20/38		06/01/2019	Paydown		180	180	183	181		(1)		(1)		180				4	08/20/2038	1
36202F-W3-6	G2 5166 3.000% 09/20/26		06/01/2019	Paydown		2,160	2,160	2,280	2,255		(96)		(96)		2,160				28	09/20/2026	1
3620A2-UH-7	GN 717084 4.500% 05/15/39		06/01/2019	Paydown		701,102	701,102	716,110	715,575		(14,473)		(14,473)		701,102				13,605	05/15/2039	1
3620AN-RW-2	GN 735001 4.000% 01/15/29		06/01/2019	Paydown		253,028	253,028	254,926	254,029		(1,002)		(1,002)		253,028				4,219	01/15/2029	1
3620AS-VD-8	GN 738712 3.000% 09/15/26		06/01/2019	Paydown		16,180	16,180	16,948	16,796		(616)		(616)		16,180				206	09/15/2026	1
3620C1-JZ-0	GN 745580 3.280% 06/15/39		06/01/2019	Paydown		199,928	199,928	183,273	185,397		14,530		14,530		199,928				2,733	06/15/2039	1
36230M-ER-4	GN 752844 4.310% 05/15/29		06/01/2019	Paydown		121,411	121,411	121,411	121,411						121,411				2,181	05/15/2029	1
36230M-ET-0	GN 752846 5.850% 07/15/38		06/01/2019	Paydown		1,579,218	1,579,218	1,579,218	1,579,011		207		207		1,579,218				38,520	07/15/2038	1
36230M-EW-3	GN 752849 5.375% 02/15/37		06/03/2019	Paydown		352,638	352,638	352,638	352,638						352,638				7,903	02/15/2037	1
36230M-FL-6	GN 752871 3.850% 07/15/36		06/01/2019	Paydown		26,538	26,538	25,874	25,988		550		550		26,538				426	07/15/2036	1
36230M-FN-2	GN 752873 4.450% 07/15/38		06/01/2019	Paydown		201,548	201,548	201,548	201,548						201,548				3,739	07/15/2038	1
36241K-AB-4	GN 781802 4.500% 12/15/33		06/01/2019	Paydown		60,023	60,023	58,457	58,540		1,483		1,483		60,023				1,166	12/15/2033	1
36241K-WE-4	G2 782445 4.500% 10/20/38		06/01/2019	Paydown		214,854	214,854	203,708	203,939		10,915		10,915		214,854				4,442	10/20/2038	1
36290W-J6-0	GN 619585 4.500% 09/15/33		06/01/2019	Paydown		8,653	8,653	8,427	8,439		214		214		8,653				162	09/15/2033	1
36290Y-U3-0	GN 621702 4.500% 10/15/33		06/01/2019	Paydown		15,634	15,634	15,226	15,254		380		380		15,634				293	10/15/2033	1
36296A-E2-6	GN 685153 6.050% 11/15/49		06/01/2019	Paydown		37,640	37,640	37,324	37,351		289		289		37,640				950	11/15/2049	1
36296A-E4-2	GN 685155 6.350% 11/15/49		06/01/2019	Paydown		18,031	18,031	18,165	18,145		(115)		(115)		18,031				478	11/15/2049	1
36296K-DL-3	GN 693207 6.400% 01/15/37		06/01/2019	Paydown		4,913,073	4,913,073	4,913,073	4,913,073						4,913,073				131,114	01/15/2037	1
367333-AA-9	GATE CAPITAL CAYMAN TWO US GOVT GUARANT 3.550% 06/11/21		05/28/2019	Redemption	101.8247		1,616,026	1,587,067	1,587,067		28,959		28,959		1,616,026				26,136	06/11/2021	1
367333-AD-3	GATE CAPITAL CAYMAN TWO US GOVT GUARANT 2.637% 12/02/21		06/02/2019	Redemption	100.0000		180,018	180,018	180,018						180,018				2,374	12/02/2021	1
383739-AP-4	GNR 2000-35 PC PAC-11 7.500% 11/20/30		06/01/2019	Paydown		17,592	17,592	17,655	17,581		11		11		17,592				518	11/20/2030	1
38373A-VC-7	GNR 2004-68 MC PAC-11 5.000% 08/16/39		06/01/2019	Paydown		137,909	137,909	141,400	138,515		(606)		(606)		137,909				3,448	08/16/2039	1
38373M-MC-1	09/16/46 GNR 2005-10 ZB CSTR DLY Z AFC SEQ 5.037%		06/01/2019	Paydown		458,578	458,578	445,753	452,187		6,391		6,391		458,578				10,595	09/16/2046	1
38373M-NF-3	12/16/44 GNR 2005-14 E CSTR AFC SEQ 5.212% 12/16/46		06/01/2019	Paydown		9,829	9,829	9,534	9,504		325		325		9,829				208	12/16/2044	1
38373M-PD-6	GNR 2005-32 F CSTR SEQ 5.358% 04/16/47		06/01/2019	Paydown		5,419	5,419	5,419	5,419						5,419				118	12/16/2046	1
38373M-PQ-7			06/01/2019	Paydown		49,953	49,953	49,953	49,953						49,953				1,116	04/16/2047	1

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini-strative Symbol /Market Indicator (a)
38373M-QF-0	GNR 2005-34 ZB CSTR DLY Z SEQ 5.096% 05/16/46		06/01/2019	Paydown		21,987	21,987	21,321	21,749		238		238		21,987				467	05/16/2046	1
38373M-RX-0	GNR 2005-87 D DLY AFC 5.054% 04/16/37		04/01/2019	Paydown		113,841	113,841	113,517	113,587		254		254		113,841				1,917	04/16/2037	1
38373M-UD-0	GNR 2006-19 Z CSTR Z SEQ 3.810% 12/16/47		06/01/2019	Paydown		28,686	28,686	28,534	28,570		3,916		3,916		28,686				456	12/16/2047	1
38373M-UU-2	GNR 2006-31 Z Z AFC SEQ 5.222% 12/16/45		06/01/2019	Paydown		71,069	71,069	62,540	68,212		2,856		2,856		71,069				1,548	12/16/2045	1
38373M-VA-5	GNR 2006-32 Z CSTR DLY Z SEQ 5.557% 11/16/45		06/01/2019	Paydown		60,271	60,271	58,095	58,468		1,802		1,802		60,271				1,396	11/16/2045	1
38373M-VK-3	GNR 2006-30 Z CSTR DLY Z SEQ 3.400% 05/16/46		06/01/2019	Paydown		38,973	38,973	25,223	32,596		6,377		6,377		38,973				552	05/16/2046	1
38373M-VR-8	GNR 2006-46 Z CSTR DLY Z 5.059% 04/16/46		06/01/2019	Paydown		113,638	113,638	104,997	110,285		3,353		3,353		113,638				2,397	04/16/2046	1
38373M-WI-6	GNR 2006-51 Z DLY Z AFC SEQ 4.642% 08/16/46		06/01/2019	Paydown		86,894	86,894	76,127	79,889		7,006		7,006		86,894				1,682	08/16/2046	1
38373M-WL-0	GNR 2006-66 Z Z AFC SEQ 5.000% 02/16/48		06/01/2019	Paydown		25,078	25,078	23,038	24,229		849		849		25,078				523	02/16/2048	1
38373Q-FJ-5	GNR 2003-31 YG PAC-11 5.500% 04/16/33		06/01/2019	Paydown		466,808	466,808	464,836	464,865		1,943		1,943		466,808				10,917	04/16/2033	1
38373Q-GA-3	GNR 2003-34 PZ Z PAC-11 5.500% 04/16/33		06/01/2019	Paydown		726,797	726,797	734,973	726,797				726,797						16,869	04/16/2033	1
38373Q-LE-9	GNR 2003-39 GH PAC-11 5.500% 05/16/33		06/01/2019	Paydown		218,050	217,915	218,050	217,915		135		135		218,050				4,575	05/16/2033	1
38373Q-R4-5	GNR 2003-52 PM PAC-1-11 5.000% 06/20/33		06/01/2019	Paydown		357,650	357,650	365,809	359,829	(2,179)			(2,179)		357,650				7,522	06/20/2033	1
38373Q-X4-8	GNR 2003-51 KE PAC-11 5.000% 06/20/33		06/01/2019	Paydown		723,363	723,363	728,516	723,363	(97)			(97)		723,363				15,142	06/20/2033	1
38373Q-YD-8	GNR 2003-40 LD PAC-11 5.500% 05/16/33		06/01/2019	Paydown		263,643	263,643	273,035	265,228	(1,586)			(1,586)		263,643				5,959	05/16/2033	1
38373R-9P-2	GNR 2001-63 PZ Z PAC-11 6.000% 12/20/31		06/01/2019	Paydown		164,120	164,120	147,503	160,517	3,602			3,602		164,120				4,144	12/20/2031	1
38373R-B7-3	GNR 2001-43 ZE Z SEQ 6.500% 10/20/31		05/01/2019	Paydown		1,747,028	1,747,028	1,629,650	1,716,616	30,413			30,413		1,747,028				47,207	10/20/2031	1
38373R-KW-8	GNR 2001-30 Z Z SEQ 7.000% 06/20/31		06/01/2019	Paydown		21,480	21,480	20,104	21,164	317			317		21,480				619	06/20/2031	1
38373S-3E-5	GNR 2003-26 PC PAC-11 5.500% 04/16/33		06/01/2019	Paydown		492,132	492,132	499,206	493,760	(1,628)			(1,628)		492,132				11,292	04/16/2033	1
38373S-A6-4	GNR 2003-19 CE EXCH PAC-11 5.500% 03/16/33		06/01/2019	Paydown		632,112	632,112	635,372	632,049	63			63		632,112				14,027	03/16/2033	1
38373S-BP-1	GNR 2003-10 PZ Z PAC-1-11 5.500% 02/20/33		06/01/2019	Paydown		454,085	454,085	463,096	455,778	(1,693)			(1,693)		454,085				10,077	02/20/2033	1
38373S-D3-8	GNR 2003-27 ZD Z SEQ 4.500% 03/20/33		06/01/2019	Paydown		43,661	43,661	38,122	41,536	2,126			2,126		43,661				851	03/20/2033	1
38373S-M6-1	GNR 2003-18 PG EXCH PAC-1-11 5.500% 03/20/33		06/01/2019	Paydown		502,001	502,001	496,667	499,626		2,375		2,375		502,001				11,638	03/20/2033	1
38373S-U3-9	GNR 2003-33 NE EXCH PAC-11 5.500% 04/16/33		06/01/2019	Paydown		959,980	959,980	955,678	955,746		4,233		4,233		959,980				23,057	04/16/2033	1
38373T-QS-7	GNR 2001-61 YZ SC Z SEQ 6.500% 05/17/31		06/01/2019	Paydown		222,967	222,967	211,200	220,149		2,818		2,818		222,967				5,974	05/17/2031	1
38373W-E9-5	GNR 2002-29 BG PAC-11 6.500% 05/16/32		06/01/2019	Paydown		203,013	203,013	201,171	201,225		1,788		1,788		203,013				5,269	05/16/2032	1
38373W-RT-7	GNR 2002-23 PE PAC-11 6.500% 04/16/32		06/01/2019	Paydown		94,056	94,056	92,963	92,999		1,057		1,057		94,056				2,500	04/16/2032	1
38373X-BH-8	GNR 2002-39 ZW Z SEQ 6.000% 06/20/32		06/01/2019	Paydown		84,568	84,568	83,881	84,116		452		452		84,568				2,041	06/20/2032	1
38373X-TL-0	GNR 2002-41 PU EXCH PAC-11 6.500% 06/20/32		06/01/2019	Paydown		58,506	58,506	58,067	58,198		308		308		58,506				1,594	06/20/2032	1
38373Y-J5-4	GNR 2003-4 TD EXCH PAC-1-11 5.500% 01/16/33		06/01/2019	Paydown		1,696,832	1,696,832	1,702,216	1,696,832						1,696,832				39,494	01/16/2033	1
38373Y-JK-1	GNR 2002-89 C SEQ 5.500% 12/20/32		06/01/2019	Paydown		267,927	267,927	262,723	262,880		5,047		5,047		267,927				6,097	12/20/2032	1
38373Y-LT-9	GNR 2002-92 TB EXCH PAC-1-11 5.500% 12/16/32		06/01/2019	Paydown		230,132	230,132	228,439	228,482		1,651		1,651		230,132				5,239	12/16/2032	1
38373Y-UK-8	GNR 2003-5 Z CSTR Z 6.296% 11/16/42		06/01/2019	Paydown		4,391	4,391	4,472	4,419		(28)		(28)		4,391				115	11/16/2042	1
38373Y-W4-2	GNR 2003-1 PG PAC-11 5.500% 01/16/33		06/01/2019	Paydown		613,504	613,504	605,548	610,515		2,990		2,990		613,504				14,419	01/16/2033	1
38373Y-XP-4	GNR 2003-6 PG PAC-11 5.500% 01/20/33		06/01/2019	Paydown		135,355	135,355	134,573	134,732		623		623		135,355				3,263	01/20/2033	1
38373Y-XS-8	GNR 2003-6 AH PAC-11 5.500% 01/16/33		06/01/2019	Paydown		579,383	579,383	583,004	579,479		(96)		(96)		579,383				14,649	01/16/2033	1
38374B-Z2-5	GNR 2003-68 PH PAC-1-11 5.500% 06/16/33		06/01/2019	Paydown		227,918	227,918	229,699	227,918						227,918				5,402	06/16/2033	1
38374B-3D-3	GNR 2003-68 MH PAC-11 5.500% 07/16/33		06/01/2019	Paydown		260,985	260,985	262,045	260,985						260,985				5,992	07/16/2033	1
38374B-BB-8	GNR 2003-55 PL EXCH PAC-11 5.000% 06/20/33		06/01/2019	Paydown		703,211	703,211	712,724	703,955		(744)		(744)		703,211				14,708	06/20/2033	1
38374B-UB-7	GNR 2003-66 EJ PAC-11 5.000% 08/20/33		06/01/2019	Paydown		633,521	633,521	591,550	621,239		12,281		12,281		633,521				12,997	08/20/2033	1
38374C-3L-3	GNR 2003-85 ZA Z SEQ 4.500% 10/20/33		06/01/2019	Paydown		784,080	784,080	792,166	787,674		(3,593)		(3,593)		784,080				14,587	10/20/2033	1
38374C-AL-5	GNR 2003-75 EZ Z SEQ 5.500% 09/20/33		06/01/2019	Paydown		386,057	386,057	314,274	371,481		14,576		14,576		386,057				8,922	09/20/2033	1
38374C-N5-6	GNR 2003-86 PG EXCH PAC-11 5.000% 10/20/33		06/01/2019	Paydown		1,127,571	1,127,571	1,034,194	1,100,279		27,292		27,292		1,127,571				22,515	10/20/2033	1
38374C-N7-2	GNR 2003-86 QG EXCH PAC-11 5.500% 10/20/33		06/01/2019	Paydown		394,025	394,025	382,204	390,019		4,005		4,005		394,025				9,233	10/20/2033	1

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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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 and Admini- strative Symbol /Market Indicator (a)
38374C-NL-1	GNR 2003-76 TG EXCH PAC-1-11 5.500% 09/20/33		06/01/2019	Paydown		714,326	714,326	719,683	714,042		284		284		714,326				16,584	09/20/2033	1
38374C-S9-3	GNR 2003-86 ND EXCH PAC-11 5.500% 10/20/33		06/01/2019	Paydown		521,543	521,543	513,468	513,679		7,864		7,864		521,543				12,037	10/20/2033	1
38374C-TB-7	GNR 2003-83 BD PAC-11 5.500% 09/16/33		06/01/2019	Paydown		372,028	372,028	362,146	369,233		2,796		2,796		372,028				8,335	09/16/2033	1
38374C-UX-7	GNR 2003-91 XC PAC-11 5.000% 10/20/33		06/01/2019	Paydown		612,914	612,914	565,413	598,557		14,357		14,357		612,914				12,591	10/20/2033	1
38374C-VX-6	GNR 2003-89 PC PAC-11 5.500% 10/20/33		06/01/2019	Paydown		938,681	938,681	923,903	924,302		14,379		14,379		938,681				21,534	10/20/2033	1
38374D-R4-3	GNR 2008-30 PX PAC-11 6.000% 04/20/38 GNR 2008-30 PE EXCH PAC-1-11 5.500% 04/20/38		06/01/2019	Paydown		636,165	636,165	663,599	641,003		(4,838)		(4,838)		636,165				15,641	04/20/2038	1
38374D-V2-2	GNR 2003-95 PY EXCH PAC-11 5.500% 11/20/33		06/01/2019	Paydown		141,598	141,598	145,292	142,451		(853)		(853)		141,598				3,202	04/20/2038	1
38374E-BV-8			06/01/2019	Paydown		727,229	727,229	728,820	727,229						727,229				16,915	11/20/2033	1
38374E-G9-2	GNR 2003-113 ZA Z SEQ 4.500% 12/16/33		06/01/2019	Paydown		811,593	811,593	817,680	814,361		(2,789)		(2,789)		811,593				15,010	12/16/2033	1
38374E-HF-7	GNR 2003-106 Z Z SEQ 5.500% 11/20/33 GNR 2003-105 PH EXCH PAC-11 5.500% 11/20/33		06/01/2019	Paydown		1,089,310	1,212,344	1,089,310	1,178,382		33,962		33,962		1,212,344				27,333	11/20/2033	1
38374E-JS-7			06/01/2019	Paydown		447,410	447,410	444,020	444,087		3,323		3,323		447,410				10,092	11/20/2033	1
38374E-KP-1	GNR 2003-100 Z Z SEQ 5.500% 11/20/33 GNR 2003-107 MD EXCH PAC-1-11 5.500% 11/16/33		06/01/2019	Paydown		850,276	850,276	780,128	832,352		17,923		17,923		850,276				19,130	11/20/2033	1
38374E-LR-6			06/01/2019	Paydown		664,204	664,204	657,786	657,948		6,255		6,255		664,204				15,671	11/16/2033	1
38374E-LZ-8	GNR 2003-99 PC PAC-11 5.500% 11/20/33 GNR 2003-98 PG EXCH PAC-11 5.000% 11/20/33		06/01/2019	Paydown		639,251	639,251	631,285	631,489		7,763		7,763		639,251				14,380	11/20/2033	1
38374E-VB-0			06/01/2019	Paydown		1,998,873	1,998,873	1,833,966	1,952,333		46,340		46,340		1,998,873				41,818	11/20/2033	1
38374F-2V-5	GNR 2004-25 E AFC SEQ 5.166% 03/16/46		06/01/2019	Paydown		43,358	43,358	43,358	43,358						43,358				934	03/16/2046	1
38374F-3P-7	GNR 2004-26 GE PAC-11 5.000% 04/16/34 GNR 2004-11 QG EXCH PAC-11 5.000% 02/16/34		06/01/2019	Paydown		859,269	859,269	807,088	843,628		15,641		15,641		859,269				17,773	04/16/2034	1
38374F-SA-3			06/01/2019	Paydown		264,926	264,926	270,142	266,023		(1,097)		(1,097)		264,926				5,548	02/16/2034	1
38374F-SR-6	GNR 2004-19 PG PAC-11 5.000% 03/20/34		06/01/2019	Paydown		539,135	539,135	530,991	531,205		7,930		7,930		539,135				11,044	03/20/2034	1
38374G-KE-1	GNR 2004-29 Z Z SEQ 5.000% 04/16/34		06/01/2019	Paydown		631,369	631,369	627,423	629,139		2,230		2,230		631,369				13,169	04/16/2034	1
38374G-PG-1	GNR 2004-35 PM PAC-11 5.500% 05/20/34 GNR 2004-73 PH EXCH PAC-11 5.500% 09/20/34		06/01/2019	Paydown		415,538	415,538	409,955	413,167		2,372		2,372		415,538				9,374	05/20/2034	1
38374H-3Y-4			06/01/2019	Paydown		99,496	99,496	100,398	99,617		(121)		(121)		99,496				2,291	09/20/2034	1
38374H-S5-5	GNR 2004-69 EY SEQ 5.500% 09/16/34		06/01/2019	Paydown		407,897	407,897	396,170	404,248		3,649		3,649		407,897				8,923	09/16/2034	1
38374H-J8-4	GNR 2004-72 PN PAC-11 5.500% 09/20/34		06/01/2019	Paydown		259,699	259,699	261,972	259,773		(74)		(74)		259,699				5,908	09/20/2034	1
38374H-YM-6	GNR 2004-59 PE PAC-1-11 5.500% 08/20/34 GNR 2004-76 NE EXCH PAC-11 5.500% 09/20/34		06/01/2019	Paydown		340,214	340,214	337,891	337,935		2,278		2,278		340,214				7,900	08/20/2034	1
38374J-EE-2			06/01/2019	Paydown		509,269	509,269	505,131	507,067		2,202		2,202		509,269				11,678	09/20/2034	1
38374J-HY-5	GNR 2004-80 WH EXCH SEQ 5.000% 10/20/34		06/01/2019	Paydown		247,296	247,296	240,955	241,109		6,187		6,187		247,296				5,186	10/20/2034	1
38374J-P3-4	GNR 2004-98 GE PAC-11 5.500% 11/20/34 GNR 2004-88 PD EXCH PAC-11 5.500% 10/20/34		06/01/2019	Paydown		485,465	485,465	484,630	484,593		872		872		485,465				11,429	11/20/2034	1
38374J-PV-2			06/01/2019	Paydown		237,988	237,988	237,542	237,507		481		481		237,988				5,488	10/20/2034	1
38374K-QN-1	GNR 2005-30 PH EXCH PAC-11 5.500% 04/16/35		06/01/2019	Paydown		280,628	280,628	285,012	281,357		(729)		(729)		280,628				6,395	04/16/2035	1
38374K-K9-3	GNR 2005-21 Z Z SEQ 5.000% 03/20/35		06/01/2019	Paydown		1,285,440	1,285,440	1,267,765	1,276,905		8,534		8,534		1,285,440				27,033	03/20/2035	1
38374K-RH-8	GNR 2005-3 ZC Z SEQ 5.000% 01/20/35 GNR 2005-36 QB EXCH PAC-11 5.500% 05/20/35		06/01/2019	Paydown		499,646	499,646	462,056	488,984		10,662		10,662		499,646				10,029	01/20/2035	1
38374L-EA-5			06/01/2019	Paydown		262,638	262,638	266,362	263,287		(649)		(649)		262,638				5,896	05/20/2035	1
38374L-RC-7	GNR 2005-47 PC EXCH PAC-11 5.000% 06/20/35		06/01/2019	Paydown		658,571	658,571	656,925	656,919		1,652		1,652		658,571				13,798	06/20/2035	1
38374L-W3-1	GNR 2005-69 YG PAC-11 5.500% 09/20/35 GNR 2005-79 E CSTR DLY SEQ 4.599% 12/16/47		06/01/2019	Paydown		171,049	171,049	171,617	171,049						171,049				3,925	09/20/2035	1
38374M-AE-9			06/01/2019	Paydown		66,334	66,334	66,334	66,334						66,334				1,272	12/16/2047	1
38374M-B2-4	GNR 2006-13 Z SC Z SEQ 5.000% 09/20/35		06/01/2019	Paydown		1,112,712	1,112,712	1,092,828	1,104,109		8,603		8,603		1,112,712				23,344	09/20/2035	1
38374M-EH-8	GNR 2005-76 D DLY AFC SEQ 4.199% 09/16/45		06/01/2019	Paydown		598,780	598,780	532,862	559,686		39,094		39,094		598,780				12,022	09/16/2045	1
38374N-BA-8	GNR 2006-67 D DLY AFC SEQ 5.179% 04/16/40		06/01/2019	Paydown		61,756	61,756	61,644	61,641		115		115		61,756				1,334	04/16/2040	1
38374T-CG-7	GNR 2009-9 PN PAC-1-11 4.500% 02/16/39		06/01/2019	Paydown		156,637	156,637	155,756	156,025		612		612		156,637				2,789	02/16/2039	1
38374T-EA-8	GNR 2009-8 LE PAC-11 5.500% 02/20/39		06/01/2019	Paydown		834,218	834,218	861,330	843,807		(9,590)		(9,590)		834,218				19,195	02/20/2039	1

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
	GNR 2009-11 PB EXCH PAC-1-11 5.000%		06/01/2019	Paydown		293,815	293,815	299,645	294,392			(578)	(578)		293,815				6,003	02/20/2039	1
38374T-JY-1	02/20/39		06/01/2019	Paydown		1,838,102	1,838,102	1,866,104	1,850,731			(12,629)	(12,629)		1,838,102				34,671	04/16/2039	1
38374T-RD-8	GNR 2009-22 X SEQ 4.500% 04/16/39		06/01/2019	Paydown		2,442,240	2,442,240	2,411,712	2,429,647			12,593	12,593		2,442,240				45,221	04/16/2039	1
38374T-RQ-9	GNR 2009-22 CX SEQ 4.500% 04/16/39		06/01/2019	Paydown		1,234,470	1,234,470	1,227,140	1,228,804			5,666	5,666		1,234,470				23,685	05/20/2039	1
38374U-NF-4	GNR 2009-29 CB SEQ 4.500% 05/20/39		06/01/2019	Paydown		240,567	240,567	237,899	238,902			1,665	1,665		240,567				4,535	05/16/2039	1
38374U-PF-2	GNR 2009-29 NB PAC-1-11 4.500% 05/16/39		06/01/2019	Paydown																	
	GNR 2009-46 PJ EXCH PAC-1-11 4.500%		06/20/39			679,717	679,717	674,620	674,712			5,006	5,006		679,717				13,094	06/20/2039	1
38374U-S9-3	06/20/39		06/01/2019	Paydown		957,058	957,058	925,730	946,140			10,919	10,919		957,058				18,447	06/20/2039	1
38374V-AY-5	GNR 2009-40 WC PAC-1-11 4.500% 06/20/39		06/01/2019	Paydown		1,140,353	1,140,353	1,161,022	1,156,460			(16,107)	(16,107)		1,140,353				21,995	03/20/2039	1
38374V-BK-4	GNR 2009-40 AB PAC-1-11 4.500% 03/20/39		06/01/2019	Paydown		902,757	902,757	890,971	897,445			5,312	5,312		902,757				19,079	07/20/2039	1
38374V-H9-3	GNR 2009-59 PZ Z PAC-1-11 5.000% 07/20/39		06/01/2019	Paydown		882,138	882,138	887,927	881,768			370	370		882,138				18,835	07/20/2039	1
38374V-PA-1	GNR 2009-55 PX PAC-1-11 5.000% 07/20/39		06/01/2019	Paydown																	
	GNR 2009-12 EL EXCH PAC-11 4.500% 03/20/39					1,106,478	1,106,478	1,113,393	1,106,652			(175)	(175)		1,106,478				20,769	03/20/2039	1
38374X-PE-9	06/01/2019		06/01/2019	Paydown		1,589,840	1,589,840	1,578,910	1,581,003			8,837	8,837		1,589,840				29,602	04/16/2039	1
38374X-VF-9	GNR 2009-23 DN EXCH SEQ 4.500% 04/16/39		06/01/2019	Paydown		1,014,805	1,014,805	1,022,733	1,016,172			(1,367)	(1,367)		1,014,805				18,971	04/20/2039	1
38374X-WK-7	GNR 2009-24 B SEQ 4.500% 04/20/39		06/01/2019	Paydown		1,331,611	1,331,611	1,328,184	1,328,541			3,070	3,070		1,331,611				25,047	04/16/2039	1
38374X-WM-3	GNR 2009-24 BC SEQ 4.500% 04/16/39		06/01/2019	Paydown		440,108	440,108	458,537	446,617			(6,509)	(6,509)		440,108				8,551	07/20/2040	1
38374Y-F4-0	GNR 2010-87 MD AD PAC-11 4.500% 07/20/40		06/01/2019	Paydown		2,060,714	2,060,714	2,108,368	2,075,588			(14,874)	(14,874)		2,060,714				39,039	07/20/2040	1
38374Y-F9-9	GNR 2010-87 YB SEQ 4.500% 07/20/40		06/01/2019	Paydown																	
	GNR 2010-85 PE EXCH PAC-1-11 4.500%		07/20/40			1,477,808	1,477,808	1,523,989	1,488,175			(10,367)	(10,367)		1,477,808				28,089	07/20/2040	1
38374Y-US-0	07/20/40		06/01/2019	Paydown		2,714,247	2,714,247	2,805,641	2,738,489			(24,242)	(24,242)		2,714,247				52,015	07/20/2040	1
38374Y-XT-5	GNR 2010-94 PU PAC-1-11 4.500% 07/20/40		06/01/2019	Paydown		274,979	274,979	281,510	276,148			(1,169)	(1,169)		274,979				6,000	07/16/2023	1
38375D-D6-0	GNR 2008-60 BY SEQ 5.000% 07/16/23		06/01/2019	Paydown		208,995	208,995	208,473	208,463			532	532		208,995				4,336	10/20/2038	1
38375D-DG-0	GNR 2008-94 YP AD PAC-11 5.000% 10/20/38		06/01/2019	Paydown																	
38375D-E9-5	GNR 2008-61 NB EXCH PAC-1-11 5.000%		07/20/38			201,585	201,585	208,011	202,969			(1,383)	(1,383)		201,585				4,782	07/20/2038	1
38375D-KB-3	07/20/38		06/01/2019	Paydown		100,101	100,101	99,076	99,589			512	512		100,101				2,199	08/16/2040	1
38375J-KY-0	GNR 2007-4 D CSTR SEQ 5.270% 08/16/40		06/01/2019	Paydown																	
	GNR 2007-31 CK EXCH PAC-11 5.000% 05/16/37		06/01/2019	Paydown		166,590	166,590	171,809	168,800			(2,210)	(2,210)		166,590				3,585	05/16/2037	1
38375J-R4-9	06/01/2019		06/01/2019	Paydown																	
	GNR 2008-9 PD EXCH PAC-1-11 4.250% 12/20/37					40,561	40,561	40,180	40,283			278	278		40,561				705	12/20/2037	1
38375P-MQ-1	06/01/2019		06/01/2019	Paydown		431,953	431,953	451,323	436,184			(4,231)	(4,231)		431,953				10,736	08/20/2038	1
38375X-LQ-5	GNR 2008-71 PC PAC-1-11 6.000% 08/20/38		06/01/2019	Paydown																	
	GNR 2008-88 GW EXCH PAC-1-11 5.000%		06/01/2019	Paydown		168,732	168,732	167,889	167,930			802	802		168,732				3,506	10/20/2038	1
38375Y-J2-9	10/20/38		06/01/2019	Paydown																	
	GNR 2008-79 DA EXCH PAC-1-11 5.000%		09/20/38			187,683	187,683	186,745	186,758			925	925		187,683				4,019	09/20/2038	1
38375Y-NV-0	09/20/38		06/01/2019	Paydown		524,849	524,849	541,250	525,716			(867)	(867)		524,849				11,105	08/20/2038	1
38375Y-TC-6	GNR 2008-79 GM EXCH SC PT 5.000% 08/20/38		06/01/2019	Paydown		141,719	141,719	154,712	145,665			(3,946)	(3,946)		141,719				2,984	08/20/2039	1
38376C-3B-3	GNR 2009-89 ZA SC Z SEQ 5.000% 08/20/39		06/01/2019	Paydown																	
	GNR 2009-89 PV EXCH PAC-1-11 5.000%		10/20/39			860,815	860,815	873,727	862,608			(1,794)	(1,794)		860,815				18,270	10/20/2039	1
38376C-3H-0	10/20/39		06/01/2019	Paydown		1,263,467	1,263,467	1,303,148	1,275,640			(12,172)	(12,172)		1,263,467				26,701	06/20/2039	1
38376C-N5-4	GNR 2009-92 BP PAC-1-11 5.000% 06/20/39		06/01/2019	Paydown		692,085	692,085	696,194	691,853			232	232		692,085				14,573	09/20/2039	1
38376C-SP-5	GNR 2009-77 PH PAC-1-11 5.000% 09/20/39		06/01/2019	Paydown																	
	GNR 2009-79 ME EXCH PAC-1-11 5.000%		06/01/2019	Paydown		378,546	378,546	382,746	379,085			(539)	(539)		378,546				8,035	09/20/2039	1
38376C-XM-6	09/20/39		06/01/2019	Paydown																	
	GNR 2009-61 PE EXCH PAC-1-11 5.000%		08/16/39			881,014	881,014	886,933	881,323			(309)	(309)		881,014				17,885	08/16/2039	1
38376F-GE-6	08/16/39		06/01/2019	Paydown		1,600,984	1,600,984	1,593,974	1,593,598			7,386	7,386		1,600,984				33,713	08/20/2039	1
38376F-JZ-6	GNR 2009-66 CW PAC-1-11 5.000% 08/20/39		06/01/2019	Paydown		408,735	408,735	412,183	409,176			(441)	(441)		408,735				8,610	09/20/2039	1
38376J-2X-1	GNR 2009-123 WQ SC PT 5.000% 09/20/39		06/01/2019	Paydown		426,719	426,719	422,452	424,616			2,103	2,103								

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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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 and Admini- strative Symbol /Market Indicator (a)
38376L-EA-3	GNR 2010-90 AL SEQ 4.500% 07/20/40		06/01/2019	Paydown		1,091,056	1,091,056	1,099,580	1,092,333		(1,277)		(1,277)		1,091,056				20,887	07/20/2040	1
38376P-MV-9	GNR 2009-118 UZ Z SEQ 4.500% 12/20/39		06/01/2019	Paydown		575,940	575,940	525,686	559,394			16,546	16,546		575,940				10,895	12/20/2039	1
	GNR 2010-2 QN EXCH PAC-1-11 4.500% 01/20/40																				
38376T-GV-8			06/01/2019	Paydown		1,664,704	1,664,704	1,617,689	1,648,235		16,469		16,469		1,664,704				31,676	01/20/2040	1
38376T-KQ-4	GNR 2010-3 ZY SC Z SEQ 4.500% 12/20/39		06/01/2019	Paydown		1,608,419	1,608,419	1,467,020	1,560,269		48,150		48,150		1,608,419				30,500	12/20/2039	1
38376T-WZ-1	GNR 2010-1 GZ Z SEQ 4.500% 01/20/40		06/01/2019	Paydown		1,247,706	1,247,706	1,144,721	1,214,610		33,096		33,096		1,247,706				23,633	01/20/2040	1
	GNR 2010-19 PB EXCH PAC-1-11 5.000%																				
38376V-3W-5	02/20/40		06/01/2019	Paydown		1,096,931	1,096,931	1,115,484	1,102,272		(5,341)		(5,341)		1,096,931				23,015	02/20/2040	1
38376V-AC-1	GNR 2010-20 JZ Z SEQ 4.000% 02/20/40		06/01/2019	Paydown		1,382,241	1,382,241	1,349,276	1,369,854		12,387		12,387		1,382,241				22,322	02/20/2040	1
	GNR 2010-17 PN EXCH PAC-1-11 4.500%																				
38376V-B7-1	02/16/40		06/01/2019	Paydown		1,101,810	1,101,810	1,056,361	1,088,333		13,477		13,477		1,101,810				19,377	02/16/2040	1
38376V-BP-1	GNR 2010-20 PY PAC-1-11 4.500% 02/16/40		06/01/2019	Paydown		407,027	407,027	391,763	401,987		5,040		5,040		407,027				7,113	02/16/2040	1
	GNR 2010-20 NW EXCH AD PAC-1-11 5.000%																				
38376V-FA-0	02/20/40		06/01/2019	Paydown		381,183	381,183	392,856	384,366		(3,184)		(3,184)		381,183				8,295	02/20/2040	1
38376V-P5-0	GNR 2010-23 ZD EXCH Z SEQ 4.500% 02/20/40		06/01/2019	Paydown		678,425	678,425	617,268	657,457		20,968		20,968		678,425				13,086	02/20/2040	1
38376W-3L-7	GNR 2010-34 Z EXCH Z SEQ 4.500% 03/20/40		06/01/2019	Paydown		557,359	557,359	501,897	536,791		20,569		20,569		557,359				10,625	03/20/2040	1
	GNR 2010-14 DG EXCH PAC-1-11 4.500%																				
38376W-F7-7	02/20/40		06/01/2019	Paydown		1,078,225	1,078,225	1,043,014	1,065,586		12,639		12,639		1,078,225				20,923	02/20/2040	1
38376W-YB-5	GNR 2010-15 ZH Z SEQ 4.500% 02/20/40		06/01/2019	Paydown		2,431,995	2,431,995	2,259,614	2,373,118		58,877		58,877		2,431,995				45,669	02/20/2040	1
38376X-6X-6	GNR 2010-45 YG EXCH SEQ 4.500% 04/16/40		06/01/2019	Paydown		860,622	860,622	860,353	859,865		757		757		860,622				17,354	04/16/2040	1
38376X-BP-7	GNR 2010-39 BY SEQ 4.500% 03/20/40		06/01/2019	Paydown		1,634,363	1,634,363	1,547,537	1,603,085		31,277		31,277		1,634,363				31,508	03/20/2040	1
38376X-JS-3	GNR 2010-37 AZ Z SEQ 5.000% 03/20/40		06/01/2019	Paydown		870,656	870,656	846,807	861,358		9,298		9,298		870,656				18,173	03/20/2040	1
	GNR 2010-29 PE EXCH PAC-1-11 4.500%																				
38376X-SE-4	03/20/40		06/01/2019	Paydown		1,296,504	1,296,504	1,239,529	1,278,506		17,998		17,998		1,296,504				25,201	03/20/2040	1
	GNR 2010-30 MU EXCH PAC-1-11 4.500%																				
38376X-XJ-7	03/20/40		06/01/2019	Paydown		731,919	731,919	736,779	732,195		(277)		(277)		731,919				14,039	03/20/2040	1
	GNR 2010-51 BY EXCH SC SEQ PT 4.500%																				
38376X-Y9-8	04/16/40		06/01/2019	Paydown		210,944	210,944	216,416	212,512		(1,567)		(1,567)		210,944				4,164	04/16/2040	1
38376X-Z4-8	GNR 2010-51 EY EXCH SEQ 4.500% 04/16/40		06/01/2019	Paydown		736,203	736,203	732,752	734,109		2,094		2,094		736,203				14,516	04/16/2040	1
38376X-ZA-4	GNR 2010-30 JB EXCH SEQ 4.500% 03/20/40		06/01/2019	Paydown		451,330	451,330	446,534	448,920		2,409		2,409		451,330				8,544	03/20/2040	1
38376Y-HH-7	GNR 2010-50 WD PAC-11 4.500% 04/20/40		06/01/2019	Paydown		488,665	488,665	537,779	502,993		(14,329)		(14,329)		488,665				9,238	04/20/2040	1
	GNR 2010-47 PE EXCH PAC-1-11 4.500%																				
38376Y-S4-4	04/20/40		06/01/2019	Paydown		617,820	617,820	592,142	608,254		9,565		9,565		617,820				13,901	04/20/2040	1
38376Y-YK-1	GNR 2010-43 EB EXCH SEQ 4.500% 04/20/40		06/01/2019	Paydown		1,889,819	1,889,819	1,848,479	1,872,175		17,644		17,644		1,889,819				36,139	04/20/2040	1
	GNR 2010-43 PD EXCH PAC-1-11 4.500%																				
38376Y-YL-9	04/20/40		06/01/2019	Paydown		1,632,918	1,632,918	1,578,827	1,612,419		20,499		20,499		1,632,918				30,949	04/20/2040	1
38377E-2Y-9	GNR 2010-64 B SEQ 4.500% 05/16/40		06/01/2019	Paydown		118,969	118,969	123,430	120,236		(1,268)		(1,268)		118,969				2,098	05/16/2040	1
38377E-BE-3	GNR 2010-41 PE PAC-1-11 4.500% 04/20/40		06/01/2019	Paydown		661,512	661,512	629,884	650,718		10,794		10,794		661,512				12,994	04/20/2040	1
	GNR 2010-41 LQ EXCH PAC-1-11 5.000%																				
38377E-DE-1	04/20/40		06/01/2019	Paydown		95,234	95,234	96,142	95,341		(107)		(107)		95,234				2,381	04/20/2040	1
38377E-YG-3	GNR 2010-57 YB PAC-1-11 4.500% 05/20/40		06/01/2019	Paydown		303,513	303,513	296,589	300,541		2,972		2,972		303,513				5,771	05/20/2040	1
38377F-QB-0	GNR 2010-56 EN EXCH SEQ 4.500% 05/20/40		06/01/2019	Paydown		634,380	634,380	617,727	628,027		6,353		6,353		634,380				11,993	05/20/2040	1
38377F-RQ-6	GNR 2010-55 QM PAC-1-11 4.500% 05/20/40		06/01/2019	Paydown		1,512,465	1,512,465	1,474,654	1,497,899		14,566		14,566		1,512,465				28,655	05/20/2040	1
38377F-Y4-7	GNR 2010-73 TZ SC Z SEQ 4.500% 02/20/40		06/01/2019	Paydown		846,410	846,410	894,781	862,793		(16,383)		(16,383)		846,410				16,087	02/20/2040	1
38377F-Y8-8	GNR 2010-73 CZ Z SEQ 4.500% 06/20/40		06/01/2019	Paydown		709,660	709,660	669,088	695,672		13,988		13,988		709,660				13,401	06/20/2040	1
38377G-4F-3	GNR 2010-88 BN SEQ 4.500% 07/20/40		06/01/2019	Paydown		1,091,747	1,091,747	1,104,499	1,094,751		(3,003)		(3,003)		1,091,747				20,950	07/20/2040	1
38377G-MY-2	GNR 2010-75 NB SEQ 4.500% 06/20																				



STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
383770-DD-6	GNR 2011-26 LG EXCH PAC-1-11 4.500%		06/01/2019	Paydown		1,113,919	1,113,919	1,089,030	1,102,589		11,330		11,330		1,113,919				21,050	02/20/2041	1
383770-G0-4	GNR 2011-18 MB PAC-1-11 4.500% 02/16/41		06/01/2019	Paydown		1,182,832	1,182,832	1,119,994	1,160,471		22,361		22,361		1,182,832				22,451	02/16/2041	1
383770-NP-8	GNR 2011-18 B EXCH SEQ 4.500% 02/20/41		06/01/2019	Paydown		239,640	239,640	227,583	235,391		4,249		4,249		239,640				4,557	02/20/2041	1
383770-SX-6	GNR 2011-25 PE PAC-1-11 4.500% 02/16/41		06/01/2019	Paydown		497,139	497,139	480,516	490,728		6,411		6,411		497,139				9,660	02/16/2041	1
383770-TQ-0	GNR 2011-25 CZ Z SEQ 4.500% 02/20/41		06/01/2019	Paydown		430,333	430,333	453,254	437,927		(7,594)		(7,594)		430,333				8,034	02/20/2041	1
38377R-4E-2	GNR 2010-168 HT EXCH SEQ 4.000% 12/20/40		06/01/2019	Paydown		493,435	493,435	447,098	477,674		15,761		15,761		493,435				9,509	12/20/2040	1
38377R-DD-4	GNR 2010-158 EP PAC-11 4.500% 12/16/40		06/01/2019	Paydown		805,005	805,005	785,383	797,306		7,699		7,699		805,005				16,233	12/16/2040	1
	GNR 2010-166 KB EXCH AD PAC-11 4.500%																				
38377R-K4-6	12/16/40		06/01/2019	Paydown		736,134	736,134	717,846	727,930		8,204		8,204		736,134				14,458	12/16/2040	1
38377R-KN-4	GNR 2010-163 LY SEQ 4.000% 12/20/40		06/01/2019	Paydown		507,827	507,827	458,473	490,894		16,933		16,933		507,827				8,610	12/20/2040	1
38377R-VF-9	GNR 2010-166 GB SEQ 4.000% 12/16/40		06/01/2019	Paydown		4,378,224	4,378,224	4,254,198	4,322,919		55,305		55,305		4,378,224				72,989	12/16/2040	1
	GNR 2011-19 NX AD PAC-1-11 4.500% 02/20/41																				
38377T-A4-3			06/01/2019	Paydown		253,534	253,534	244,660	250,062		3,472		3,472		253,534				4,897	02/20/2041	1
38377T-JF-9	GNR 2011-7 VZ Z SEQ 4.500% 01/20/41		06/01/2019	Paydown		699,221	699,221	742,933	713,546		(14,326)		(14,326)		699,221				13,054	01/20/2041	1
38377T-S5-1	GNR 2011-24 LZ Z SEQ 4.500% 02/20/41		06/01/2019	Paydown		604,527	604,527	631,670	612,276		(7,750)		(7,750)		604,527				11,600	02/20/2041	1
38377T-XM-8	GNR 2011-17 EN PAC-11 4.500% 02/16/41		06/01/2019	Paydown		257,272	257,272	242,157	252,018		5,254		5,254		257,272				5,169	02/16/2041	1
38377U-2M-9	GNR 2011-63 AY SEQ 4.500% 04/20/41		06/01/2019	Paydown		1,391,330	1,391,330	1,346,982	1,373,178		18,153		18,153		1,391,330				26,393	04/20/2041	1
38377U-N6-1	GNR 2011-62 KB SEQ 4.500% 04/20/41		06/01/2019	Paydown		68,818	68,818	66,582	66,788		2,030		2,030		68,818				1,195	04/20/2041	1
38377U-RL-4	GNR 2011-32 PB PAC-1-11 4.000% 03/16/41		06/01/2019	Paydown		389,251	389,251	368,755	382,343		6,908		6,908		389,251				6,611	03/16/2041	1
38377V-PX-8	GNR 2011-61 CZ Z SEQ 4.500% 04/20/41		06/01/2019	Paydown		1,487,272	1,487,272	1,422,361	1,461,662		25,610		25,610		1,487,272				11,264	04/20/2041	1
38377V-RH-1	GNR 2011-56 ZL Z SEQ 4.500% 04/16/41		06/01/2019	Paydown		734,368	734,368	668,180	709,445		24,922		24,922		734,368				11,518	04/16/2041	1
38377V-SE-7	GNR 2011-56 BZ Z SEQ 4.500% 04/16/41		06/01/2019	Paydown		1,709,598	1,709,598	1,552,035	1,649,202		60,396		60,396		1,709,598				31,518	04/16/2041	1
38377V-W7-7	GNR 2011-68 CE EXCH SEQ 4.500% 05/16/41		06/01/2019	Paydown		881,374	881,374	869,806	876,720		4,654		4,654		881,374				16,435	05/16/2041	1
38377V-CB-4	GNR 2011-128 BJ EXCH PT 2.500% 09/16/26		06/01/2019	Paydown		10,410	10,410	10,707	10,644		(234)		(234)		10,410				111	09/16/2026	1
38377Y-EE-6	GNR 2011-123 LA SC PAC-11 3.500% 05/20/39		06/01/2019	Paydown		1,211	1,211	1,288	1,258		(47)		(47)		1,211				18	05/20/2039	1
	GNR 2011-156 QM EXCH SC PAC-11 4.000%																				
38378A-4J-7	07/20/40		06/01/2019	Paydown		56,348	56,348	59,958	57,664		(1,316)		(1,316)		56,348				959	07/20/2040	1
	GNR 2012-108 KA EXCH AD PAC-11 1.500%																				
38378H-QM-1	08/16/42		06/01/2019	Paydown		3,618	3,618	3,599	3,600		17		17		3,618				22	08/16/2042	1
3837H0-G5-6	GNR 1997-4 ZA Z 7.500% 03/16/27		06/01/2019	Paydown		43,051	43,051	38,908	42,335		716		716		43,051				1,376	03/16/2027	1
3837H2-D3-0	GNR 1999-30 ZB Z SEQ 7.500% 08/16/29		05/01/2019	Paydown		1,214,485	1,214,485	1,123,879	1,195,450		19,036		19,036		1,214,485				37,780	08/16/2029	1
3837H2-VS-5	GNR 1999-27 Z Z SEQ 7.000% 08/20/29		06/01/2019	Paydown		59,873	59,873	54,676	58,728		1,144		1,144		59,873				1,716	08/20/2029	1
3837H4-Z7-3	GNR 2000-31 PD PAC-11 7.500% 10/20/30		06/01/2019	Paydown		30,270	30,270	30,643	30,270						30,270				813	10/20/2030	1
38381A-AG-1	GNR 2018-128 AB SC PT 3.500% 03/20/41		04/24/2019	JP MORGAN SECURITIES		95,958,086	94,004,554	94,239,565	94,225,459		(14,192)		(14,192)		94,211,267	1,746,819		1,746,819	1,352,621	03/20/2041	1
38381A-AG-1	GNR 2018-128 SA SC 10 INV NTL PT 3.780%		04/01/2019	Paydown		1,293,001	1,293,001	1,296,233	1,296,039		(3,038)		(3,038)		1,293,001				15,085	03/20/2041	1
	03/20/41		06/20/2019	Paydown				305,574	296,101		(296,101)		(296,101)						32,882	03/20/2041	1
49549C-AA-6	KING INTL LEASING LLC US GOVT GUARANT			Redemption	100.0000																
	2.754% 10/15/22		04/15/2019			55,157	55,157	55,157	55,157						55,157				760	10/15/2022	1
690353-SQ-1	OVERSEAS PRIVATE INV COR US GOVT GUARANT			Redemption	100.0000																
	3.430% 05/15/30		05/15/2019			72,000	72,000	72,000	72,000						72,000				1,235	05/15/2030	1
690353-UZ-8	OVERSEAS PRIVATE INV COR US GOVT GUARANT			Redemption	100.0000																
	2.930% 05/15/30		05/15/2019			150,000	150,000	150,000	150,000						150,000				2,198	05/15/2030	1
690353-WG-8	OVERSEAS PRIVATE INV COR US GOVT GUARANT			Redemption	100.0000																
	2.310% 11/15/30		05/15/2019			290,916	290,916	290,916	290,916						290,916				3,360	11/15/2030	1
690353-XM-4	OVERSEAS PRIVATE INV COR US GOVT GUARANT			Redemption	100.0000																
	3.590% 12/15/30		06/15/2019			28,571	28,571	28,571	28,571						28,571				513	12/15/2030	1
690353-XN-2	OVERSEAS PRIVATE INV COR US GOVT GUARANT			Redemption	100.0000																
	3.540% 06/15/30		06/15/2019			147,056	147,056	147,056	147,056						147,056				2,603	06/15/2030	1
690353-XR-3	OVERSEAS PRIVATE INV COR US GOVT GUARANT			Redemption	100.0000																
	3.938% 12/20/32		06/20/2019			76,572	76,572	76,572	76,572						76,572				1,508	12/20/2032	1
71654Q-BC-5	PETROLEOS MEXICANOS US GOVT GUARANT 2.000%			Redemption	100.0000																
	12/20/22		06/20/2019			535,000	535,000	535,000	535,000						535,000				5,350	12/20/2022	1
71654Q-BD-3	PETROLEOS MEXICANOS US GOVT GUARANT 1.950%			Redemption	100.0000																
	12/20/22		06/20/2019			1,000,000	1,000,000	1,000,000	1,000,000						1,000,000				9,750	12/20/2022	1

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 4

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

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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 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 and Admini- strative Symbol /Market Indicator (a)
746388-AA-5	PURPLE CHEN 2011 LLC US GOVT GUARANT 2.735% 08/01/23		05/01/2019	Redemption 100.0000		109,937	109,937	109,937	109,937						109,937				1,503	08/01/2023	1
797224-AA-0	SAN CLEMENTE LEASING LLC US GOVT GUARANT 3.585% 08/27/21		05/25/2019	Redemption 100.0000		117,821	117,821	117,821	117,821						117,821				12,058	08/27/2021	1
797224-AB-8	SAN CLEMENTE LEASING LLC US GOVT GUARANT 3.350% 06/07/22		06/07/2019	Redemption 100.0000		187,433	187,433	187,433	187,433						187,433				3,140	06/07/2022	1
797224-AC-6	SAN CLEMENTE LEASING LLC US GOVT GUARANT 3.030% 11/22/22		05/22/2019	Redemption 100.0000		90,644	90,644	90,644	90,644						90,644				1,373	11/22/2022	1
805649-AA-8	SAYARRA LTD US GOVT GUARANT 2.774% 10/29/21		04/29/2019	Redemption 100.0000		123,846	123,846	123,846	123,846						123,846				1,718	10/29/2021	1
876780-AA-5	TAYARRA LTD US GOVT GUARANT 3.628% 02/15/22		05/15/2019	Redemption 100.0000		117,567	117,567	117,567	117,567						117,567				2,133	02/15/2022	1
89609G-AA-0	TRICAHUE LEASING LLC US GOVT GUARANT 3.503% 11/19/21		05/19/2019	Redemption 100.0000		116,042	116,042	116,042	116,042						116,042				2,032	11/19/2021	1
89609G-AB-8	TRICAHUE LEASING LLC US GOVT GUARANT 3.744% 02/26/22		05/28/2019	Redemption 100.0000		87,004	87,004	87,004	87,004						87,004				11,103	02/26/2022	1
912810-SA-7	US TREASURY N/B United States Treasury No 3 02 3.000% 02/15/48		05/06/2019	Various DEUTSCHE BANK SECURITIES INCOR		101,904,297	100,000,000	97,648,438	97,683,433		17,056		17,056		97,700,490		4,203,807	4,203,807	2,171,271	02/15/2048	1
912810-SC-3	US TREASURY N/B United States Treasury No 3.12 3.125% 05/15/48		05/06/2019	Various DEUTSCHE BANK SECURITIES INCOR		78,261,719	75,000,000	74,970,703	74,971,079		210		210		74,971,290		3,290,429	3,290,429	1,120,079	05/15/2048	1
912828-4V-9	US TREASURY N/B United States Treasury No 2.87 2.875% 08/15/28		05/06/2019	WELLS FARGO		51,626,953	50,000,000	49,628,906	49,639,147		11,488		11,488		49,650,635		1,976,318	1,976,318	1,040,401	08/15/2028	1
912828-ST-8	US TREASURY N/B United States Treasury No 1.25 1.250% 04/30/19		04/30/2019	Maturity FEDERAL HOUSING ADMINISTRATION FHA PROJECT LOAN -CLC/PLC 7.750% 01/25/23		15,200,000	15,200,000	15,072,025	15,194,311		5,689		5,689		15,200,000				95,000	04/30/2019	1
722660-77-2			05/13/2019	Paydown		54,176	54,176	54,176	54,176						54,176				1,575	01/25/2023	1
0599999	Subtotal - Bonds - U.S. Governments					521,983,715	512,966,512	508,355,572	509,809,011		712,808		712,808		510,521,836		11,461,879	11,461,879	9,326,025	XXX	XXX
68323A-BK-9	ONTARIO -PROVINCE OF SR UNSEC 2.450% 06/29/22	A	04/25/2019	Various		51,909,780	52,000,000	51,798,760	51,924,002		6,796		6,796		51,930,797		(21,017)	(21,017)	424,667	06/29/2022	1FE
03846J-W2-2	ARAB REPUBLIC OF EGYPT SR UNSEC 5.875% 06/11/25	D	04/05/2019	ABSA BANK LIMITED		4,987,500	5,000,000	4,565,000	4,677,240		10,728		10,728		4,687,967		299,533	299,533	96,285	06/11/2025	4FE
12802D-AL-0	CAISSE D'AMORT DETTE SOC SR UNSEC 1.875% 02/12/22	D	06/12/2019	CITIGROUP GLOBAL MARKETS INC		598,236	600,000	598,320	599,225		110		110		599,334		(1,098)	(1,098)	9,443	02/12/2022	1FE
221625-AK-2	IVORY COAST SR UNSEC 5.750% 12/31/32	D	06/30/2019	Redemption 100.0000		300,000	300,000	268,255	273,510		26,490		26,490		300,000				8,625	12/31/2032	4FE
401494-AF-6	REPUBLIC OF GUATEMALA SR UNSEC 4.875% 02/13/28	D	05/23/2019	BARCLAYS BANK PLC		2,860,688	2,850,000	2,812,722	2,824,176		917		917		2,825,092		35,595	35,595	109,992	02/13/2028	3FE
836205-AM-6	REPUBLIC OF SOUTH AFRICA SR UNSEC 6.875% 05/27/19	D	05/23/2019	STANDARD NY SECURITIE INC		19,454,268	19,464,000	19,311,473	19,455,633		8,195		8,195		19,463,828		(9,560)	(9,560)	657,924	05/27/2019	3FE
LW3909-29-5	PROVINCIA DE BUENOS AIRES SR UNSEC 5.750% 06/15/19	D	06/15/2019	FI MA		10,000,000	10,000,000	10,308,600	10,055,411		(55,411)		(55,411)		10,000,000				287,500	06/15/2019	4FE
1099999	Subtotal - Bonds - All Other Governments					90,110,472	90,214,000	89,663,130	89,809,197		(2,175)		(2,175)		89,807,018		303,453	303,453	1,594,436	XXX	XXX
36860P-AA-5	CITY OF PORTSMOUTH VA PORTSMOUTH VA CITY - GEM PROJE 8.060% 02/06/21		05/03/2019	Redemption 100.0000		266,020	266,020	266,020	266,020						266,020				46,032	02/06/2021	1
696497-TR-7	PALM BEACH CNTY FL County of Palm Beach FL 5.898 5.898% 06/01/19		06/01/2019	Maturity		2,290,000	2,290,000	2,290,000	2,290,000						2,290,000				67,532	06/01/2019	1FE
975680-BU-2	WINSTON SALEM NC LTD OBLG City of Winston-Salem NC 4.626 4.626% 06/01/38		06/03/2019	Call 100.0000		835,000	835,000	835,000	835,000						835,000				19,314	06/01/2038	1FE
2499999	Subtotal - Bonds - U.S. Political Subdivisions of States, Territories and Possessions					3,391,020	3,391,020	3,391,020	3,391,020						3,391,020				132,878	XXX	XXX
20281P-BQ-4	CMWLTH FING AUTH PA Commonwealth Financing Au 5.74 5.740% 06/01/27		06/03/2019	Call 100.0000		810,000	810,000	810,000	810,000						810,000				23,247	06/01/2027	1FE
282089-AE-1	EFFINGHAM CNTY GA HOSP AUTH Effingham County Hospital 5.75 5.750% 04/20/37		04/22/2019	Call 100.0000		390,000	390,000	390,000	390,000						390,000				11,213	04/20/2037	1FE
31283Y-X5-2	FG W20026 5.300% 11/01/22		06/01/2019	Paydown		95,651	95,651	96,069	95,606		45		45		95,651				2,114	11/01/2022	1
3128JD-AA-5	FH 138788 7.078% 11/01/31		06/01/2019	Paydown		4,629	4,629	4,740	4,702		(72)		(72)		4,629				137	11/01/2031	1
3128JR-RX-6	FH 847702 4.609% 09/01/36		06/03/2019	Paydown		369	369	371	369						369				7	09/01/2036	1

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 4

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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 and Admini- strative Symbol /Market Indicator (a)
3128JR-SP-2	FH 847726 4.730% 03/01/37		06/03/2019	Paydown		2,313	2,313	2,377	2,371		(59)		(59)		2,313				38	03/01/2037	1
3128M1-UH-0	FG G12484 4.500% 06/01/21		06/01/2019	Paydown		604	604	593	597		7		7		604				11	06/01/2021	1
3128OG-KU-5	FH 1N0307 4.197% 09/01/36		06/03/2019	Paydown		50	50	51	50						50				1	09/01/2036	1
3128OL-RD-5	FH 1H2584 4.867% 02/01/36		06/03/2019	Paydown		12,905	12,905	12,809	12,815		90		90		12,905				260	02/01/2036	1
3128OL-SL-6	FH 1H2623 4.353% 07/01/36		06/03/2019	Paydown		6,414	6,414	6,477	6,414						6,414				111	07/01/2036	1
3128S4-ER-4	FH 1Q0144 4.388% 09/01/36		06/03/2019	Paydown		525	525	531	525						525				9	09/01/2036	1
312903-6K-8	FHR 175 H PAC 9.500% 08/15/21		06/15/2019	Paydown		330	330	338	330						330				13	08/15/2021	1
312903-6V-4	FHR 177 G TAC 9.750% 07/15/21		05/15/2019	Paydown		687	687	676	681		6		6		687				25	07/15/2021	1
312903-8H-3	FHR 179 D SUP 9.300% 07/15/21		06/15/2019	Paydown		653	653	626	646		7		7		653				25	07/15/2021	1
312903-E7-8	FHR 154 G TAC 9.500% 05/15/21		06/15/2019	Paydown		2,957	2,957	2,849	2,893		64		64		2,957				117	05/15/2021	1
312904-KT-1	FHR 1002 D SEQ 9.000% 10/15/20		06/01/2019	Paydown		292	292	292	290		2		2		292				11	10/15/2020	1
312904-KW-4	FHR 1001 G Z TAC-11 9.500% 10/15/20		06/01/2019	Paydown		16,605	16,605	15,186	16,466		140		140		16,605				700	10/15/2020	1
312904-N2-7	FHR 1030 F PAC-11 9.000% 12/15/20		06/01/2019	Paydown		1,733	1,733	1,653	1,720		12		12		1,733				65	12/15/2020	1FE
312905-WS-7	FHR 1074 H PAC 8.500% 05/15/21		06/01/2019	Paydown		1,158	1,158	1,094	1,152		6		6		1,158				41	05/15/2021	1
312906-4J-6	FHR 1137 L Z PAC-1-11 7.000% 09/15/21		06/01/2019	Paydown		3,926	3,926	2,477	3,793		133		133		3,926				114	09/15/2021	1
312906-C3-2	FHR 1116 H PAC-1-11 9.000% 08/15/21		06/01/2019	Paydown		7,100	7,100	6,813	7,045		55		55		7,100				268	08/15/2021	1
312906-OS-2	FHR 1117 N PAC-11 8.500% 08/15/21		06/01/2019	Paydown		6,761	6,761	6,275	6,680		81		81		6,761				231	08/15/2021	1
312906-VW-7	FHR 1122 HD IO PAC-1-11 933.000% 08/15/21		06/01/2019	Paydown		31	31				31		31		31				121	08/15/2021	1
312906-ZJ-2	FHR 1124 L IO PAC-1-11 1108% 08/15/21		06/01/2019	Paydown		2	2				2		2		2				8	08/15/2021	1
312907-2C-1	FHR 1163 J PAC-1-11 7.500% 11/15/21		06/01/2019	Paydown		10,671	10,671	10,457	10,521		150		150		10,671				332	11/15/2021	1
312907-SG-9	FHR 1190 I PAC-1-11 7.000% 01/15/22		06/01/2019	Paydown		8,328	8,328	8,094	8,142		186		186		8,328				236	01/15/2022	1
312907-AS-7	FHR 1140 N IO PAC-1-11 1142% 09/15/21		06/01/2019	Paydown		33	33				33		33		33				154	09/15/2021	1
312907-FU-7	FHR 1142 I PAC 9.000% 10/15/21		06/01/2019	Paydown		6,245	6,245	6,223	6,223		21		21		6,245				234	10/15/2021	1
312907-FW-3	FHR 1142 IB IO PAC 1022% 10/15/21		06/01/2019	Paydown		59	59				59		59		59				252	10/15/2021	1
312907-MT-2	FHR 1152 L PAC 7.000% 10/15/21		06/01/2019	Paydown		6,392	6,392	6,201	6,247		145		145		6,392				186	10/15/2021	1
312907-WC-8	FHR 1156 IZ Z PAC-1-11 7.000% 11/15/21		06/01/2019	Paydown		10,649	10,649	7,027	10,384		265		265		10,649				311	11/15/2021	1
312908-DY-9	FHR 1186 I PAC-1-11 7.000% 12/15/21		06/01/2019	Paydown		16,526	16,526	16,020	16,139		387		387		16,526				485	12/15/2021	1
312908-EA-0	FHR 1186 JB IO PAC-1-11 966.743% 12/15/21		06/01/2019	Paydown		39	39				39		39		39				157	12/15/2021	1
312908-OE-9	FHR 1210 J PAC-1-11 7.500% 01/15/22		06/01/2019	Paydown		7,061	7,061	7,013	7,019		41		41		7,061				221	01/15/2022	1
312909-HG-2	FHR 1239 J PAC-1-11 8.000% 04/15/22		06/01/2019	Paydown		10,872	10,872	10,830	10,832		40		40		10,872				363	04/15/2022	1
312909-UC-6	FHR 1252 J PAC-1-11 8.000% 05/15/22		06/01/2019	Paydown		12,235	12,235	12,076	12,104		130		130		12,235				408	05/15/2022	1
312910-SD-0	FHR 1326 J PAC-1-11 7.000% 07/15/22		06/01/2019	Paydown		9,972	9,972	9,738	9,785		187		187		9,972				285	07/15/2022	1
312910-B6-8	FHR 1312 I PAC-1-11 8.000% 07/15/22		06/01/2019	Paydown		8,542	8,542	8,451	8,466		76		76		8,542				284	07/15/2022	1
312910-HQ-8	FHR 1289 PW IO PAC-1-11 926.144% 06/15/22		06/01/2019	Paydown		34	34				34		34		34				130	06/15/2022	1
312910-HS-4	FHR 1289 PZ Z PAC-1-11 7.500% 06/15/22		06/01/2019	Paydown		23,724	23,724	18,623	23,219		505		505		23,724				742	06/15/2022	1
312911-HW-3	FHR 1336 N IO NTL 8.000% 08/15/22		06/01/2019	Paydown															51	08/15/2022	1
312911-J8-4	FHR 1365 PP PAC-1-11 7.500% 09/15/22		06/01/2019	Paydown		23,242	23,242	22,890	22,944		298		298		23,242				729	09/15/2022	1
312911-JE-1	FHR 1336 Z Z PAC-1-11 7.500% 08/15/22		06/01/2019	Paydown		24,334	24,334	20,300	23,913		421		421		24,334				760	08/15/2022	1
312911-S5-0	FHR 1371 PZ Z PAC-1-11 7.000% 09/15/22		06/01/2019	Paydown		14,512	14,512	10,975	14,131		381		381		14,512				423	09/15/2022	1
312911-XQ-8	FHR 1350 L Z PAC-1-11 7.500% 08/15/22		06/01/2019	Paydown		18,098	18,098	14,846	17,749		349		349		18,098				566	08/15/2022	1
312912-AR-9	FHR 1367 LA IO PAC-1-11 1103% 09/15/22		06/01/2019	Paydown		44	44				44		44		44				203	09/15/2022	1
312912-HV-3	FHR 1379 H PAC-1-11 7.000% 10/15/22		06/01/2019	Paydown		31,159	31,159	30,523	30,636		524		524		31,159				912	10/15/2022	1
312912-QJ-0	FHR 1390 I PAC-1-11 7.500% 10/15/22		06/01/2019	Paydown		31,375	31,375	31,080	31,123		252		252		31,375				968	10/15/2022	1
312912-S6-6	FHR 1408 K PAC-1-11 7.500% 11/15/22		06/01/2019	Paydown		35,864	35,864	35,195	35,310		553		553		35,864				1,125	11/15/2022	1
312913-AW-6	FHR 1412 K PAC-1-11 7.000% 11/15/22		06/01/2019	Paydown		22,250	22,250	21,719	21,820		431		431		22,250				647	11/15/2022	1
312913-B8-8	FHR 1430 M PAC-1-11 7.500% 12/15/22		06/01/2019	Paydown		38,762	38,762	38,073	38,176		586		586		38,762				1,197	12/15/2022	1
312913-SY-3	FHR 1440 PZ Z PAC-1-11 7.000% 12/15/22		06/01/2019	Paydown		32,000	32,000	24,565	31,137		864		864		32,000				903	12/15/2022	1
312914-AR-5	FHR 1446 L PAC-1-11 7.500% 12/15/22		06/01/2019	Paydown		27,527	27,527	27,040	27,114		414		414		27,527				840	12/15/2022	1
312914-O3-5	FHR 1479 Z Z PAC-1-11 7.500% 03/15/23		06/01/2019	Paydown		39,863	39,863	35,902	39,295		568		568		39,863				1,251	03/15/2023	1
312914-DS-0	FHR 1459 M PAC-1-11 7.500% 01/15/23		06/01/2019	Paydown		28,590	28,590	28,240	28,292		298		298		28,590				915	01/15/2023	1
312914-Q2-3	FHR 1477 Z Z PAC-1-11 7.000% 03/15/23		06/01/2019	Paydown		75,636	75,636	61,637	73,841		1,795		1,795		75,636				2,118	03/15/2023	1
312914-SF-2	FHG 5 HA PAC-1-11 7.500% 02/25/23		06/01/2019	Paydown		55,708	55,708	55,256	55,293		415		415		55,708				1,762	02/25/2023	1
312914-X6-6	FHR 1482 PI PAC-1-11 7.000% 03/15/23		06/01/2019	Paydown		14,766	14,766	14,556	14,588		178		178		14,766				418	03/15/2023	1
312915-LK-5	FHR 1497 K Z PAC-1-11 7.000% 04/15/23		06/01/2019	Paydown		48,039	48,039	45,068	47,215		824		824		48,039				1,440	04/15/2023	1
312915-MN-8	FHR 1501 K PAC-1-11 7.000% 04/15/23		06/01/2019	Paydown		31,790	31,790	31,311	31,533		257		257		31,790				942	04/15/2023	1
312915-QG-9	FHR 1491 I PAC-1-11 7.500% 04/15/23		06/01/2019	Paydown		64,980	64,980								64,980				1,951	04/15/2023	1
312915-YZ-8	FHR 1518 H IO NTL SEQ 7.000% 05/15/23		06/01/2019	Paydown															652	05/15/2023	1

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini-strative Symbol /Market Indicator (a)
.312916-AM-1	FHR 1508 IA PAC-1-11 7.350% 05/15/23		06/01/2019	Paydown		26,435	26,435	26,435	26,435						26,435				822	05/15/2023	1
.312916-FL-8	FHR 1526 L PAC-1-11 6.500% 06/15/23		06/01/2019	Paydown		18,627	18,627	18,351	18,392		235		235		18,627				503	06/15/2023	1
.312916-LR-8	FHR 1523 PL PAC-11 6.500% 06/15/23		06/01/2019	Paydown		45,258	45,258	44,401	44,526		732		732		45,258				1,227	06/15/2023	1
.312916-WG-0	FHR 1542 L PAC-1-11 7.000% 07/15/23		06/01/2019	Paydown		151,716	151,716	149,565	149,866		1,850		1,850		151,716				4,724	07/15/2023	1
.31292H-YA-6	FG C01605 4.500% 07/01/33		06/01/2019	Paydown		295	295	281	282		13		13		295				6	07/01/2033	1
.3132H-EZ-3	FG U99151 4.000% 12/01/46		06/01/2019	Paydown		511,818	511,818	528,772	528,429		(16,611)		(16,611)		511,818				8,807	12/01/2046	1
.3132XC-R8-0	FG G67711 4.000% 03/01/48		06/01/2019	Paydown		717,211	717,211	735,029	734,697		(17,486)		(17,486)		717,211				12,229	03/01/2048	1
.313398-4L-0	FHR 2338 ZC Z SEQ 6.500% 07/15/31		06/01/2019	Paydown		25,156	25,156	23,725	24,720		436		436		25,156				745	07/15/2031	1
.313398-B2-4	FHR 2341 GZ Z SEQ 7.000% 07/15/31		06/01/2019	Paydown		27,057	27,057	25,358	26,621		437		437		27,057				740	07/15/2031	1
.313398-E3-9	FHR 2340 ZB Z SEQ 7.000% 07/15/31		06/01/2019	Paydown		46,361	46,361	44,215	45,756		605		605		46,361				1,310	07/15/2031	1
.313398-SL-4	FHR 2335 DZ Z SEQ 6.500% 07/15/31		06/01/2019	Paydown		16,942	16,942	15,856	16,610		331		331		16,942				468	07/15/2031	1
.313398-VZ-9	FHR 2352 Z Z SEQ 6.500% 08/15/31		06/01/2019	Paydown		69,842	69,842	64,539	68,442		1,401		1,401		69,842				1,970	08/15/2031	1
.313399-C5-4	FHR 2344 ZE Z SEQ 6.500% 08/15/31		06/01/2019	Paydown		13,568	13,568	12,538	13,262		306		306		13,568				367	08/15/2031	1
.313399-LK-1	FHR 2343 MZ EXCH Z SEQ 6.500% 08/15/31		06/01/2019	Paydown		88,783	88,783	82,901	87,319		1,464		1,464		88,783				2,504	08/15/2031	1
.313399-U4-7	FHR 2345 TZ SC Z SEQ 7.000% 02/15/31		06/01/2019	Paydown		36,058	36,058	35,337	35,813		245		245		36,058				1,038	02/15/2031	1
.313399-YJ-0	FHR 2360 GZ Z SEQ 6.500% 09/15/31		06/01/2019	Paydown		4,215	4,215	3,936	4,137		78		78		4,215				111	09/15/2031	1
.313399-ZL-4	FHR 2360 ZB Z PAC-11 6.500% 09/15/31		06/01/2019	Paydown		23,236	23,236	21,598	22,832		404		404		23,236				630	09/15/2031	1
.31339D-U8-9	FHR 2412 PH EXCH PAC-11 6.500% 02/15/32		06/01/2019	Paydown		77,726	77,726	77,313	77,368		358		358		77,726				2,023	02/15/2032	1
.31339D-YH-5	FHR 2412 ZK Z SEQ 6.000% 02/15/32		06/01/2019	Paydown		13,157	13,157	13,042	13,087		70		70		13,157				330	02/15/2032	1
.31339D-YJ-1	FHR 2412 ZO Z SEQ 6.500% 02/15/32		06/01/2019	Paydown		33,498	33,498	31,681	32,940		558		558		33,498				900	02/15/2032	1
.31339G-AJ-0	FHR 2371 VZ Z PAC-1-11 6.000% 10/15/31		06/01/2019	Paydown		5,150	5,150	4,610	4,954		196		196		5,150				129	10/15/2031	1
.31339G-CX-7	FHR 2366 PZ Z PAC-11 6.000% 10/15/31		06/01/2019	Paydown		98,578	98,578	87,642	95,618		2,960		2,960		98,578				2,260	10/15/2031	1
.31339G-E5-6	FHR 2366 ZB Z SEQ 6.000% 10/15/31		06/01/2019	Paydown		88,033	88,033	78,679	85,413		2,620		2,620		88,033				1,970	10/15/2031	1
.31339G-HF-1	FHR 2367 KZ Z SEQ 7.000% 10/15/31		06/01/2019	Paydown		45,781	45,781	45,438	45,583		198		198		45,781				1,282	10/15/2031	1
.31339G-HJ-8	FHR 2367 PZ Z PAC-11 6.000% 10/15/31		06/01/2019	Paydown		87,358	87,358	77,257	84,907		2,451		2,451		87,358				2,065	10/15/2031	1
.31339G-LN-9	FHR 2370 DZ EXCH Z PAC 6.000% 10/15/31		06/01/2019	Paydown		8,916	8,916	7,881	8,635		281		281		8,916				222	10/15/2031	1
.31339G-NA-5	FHR 2370 GE EXCH PAC 6.000% 10/15/31		06/01/2019	Paydown		26,185	26,185	26,058	26,088		96		96		26,185				633	10/15/2031	1
.31339G-PJ-9	FHR 2368 PZ Z PAC-1-11 6.000% 10/15/31		06/01/2019	Paydown		33,876	33,876	30,314	32,816		1,059		1,059		33,876				790	10/15/2031	1
.31339G-RA-1	FHR 2368 PR EXCH PAC 6.500% 10/15/31		06/01/2019	Paydown		73,457	73,457	72,568	72,598		859		859		73,457				2,040	10/15/2031	1
.31339L-3A-6	FHR 2382 NE PAC-11 6.000% 11/15/31		06/01/2019	Paydown		14,252	14,252	14,167	14,193		59		59		14,252				371	11/15/2031	1
.31339L-HK-9	FHR 2392 PZ Z PAC-11 6.000% 12/15/31		06/01/2019	Paydown		109,008	109,008	99,061	106,532		2,476		2,476		109,008				2,432	12/15/2031	1
.31339L-RN-2	FHR 2390 NB SEQ 6.000% 12/15/31		06/01/2019	Paydown		33,141	33,141	32,830	32,952		189		189		33,141				890	12/15/2031	1
.31339L-YU-8	FHR 2391 Z Z SEQ 6.000% 12/15/31		06/01/2019	Paydown		369,704	369,704	323,780	357,976		11,728		11,728		369,704				9,309	12/15/2031	1
.31339M-SA-7	FHR 2409 PN EXCH PAC-1 6.500% 01/15/32		06/01/2019	Paydown		108,513	108,513	107,309	107,343		1,170		1,170		108,513				2,747	01/15/2032	1
.31339M-YU-6	FHR 2398 GC SEQ 7.000% 01/15/32		06/01/2019	Paydown		35,008	35,008	34,904	34,905		103		103		35,008				942	01/15/2032	1
.31339N-F2-7	FHR 2413 MH PAC-1-11 6.500% 02/15/32		06/01/2019	Paydown		21,263	21,263	21,170	21,183		80		80		21,263				639	02/15/2032	1
.31339N-QJ-8	FHR 2431 TE PAC-11 6.500% 03/15/32		06/01/2019	Paydown		38,806	38,806	38,988	38,806						38,806				1,070	03/15/2032	1
.31339N-WM-4	FHR 2430 TF PAC-1-11 6.500% 03/15/32		06/01/2019	Paydown		13,506	13,506	13,355	13,360		146		146		13,506				372	03/15/2032	1
.31339N-ZP-4	FHR 2427 PR PAC-11 6.500% 03/15/32		06/01/2019	Paydown		29,918	29,918	29,671	29,745		173		173		29,918				849	03/15/2032	1
.31339W-ZH-8	FHR 2427 ZH Z SEQ 6.500% 03/15/32		06/01/2019	Paydown		57,967	57,967	54,000	56,764		1,203		1,203		57,967				1,723	03/15/2032	1
.31339W-DR-4	FHR 2424 QH EXCH PAC-11 6.500% 03/15/32		06/01/2019	Paydown		131,017	131,017	130,245	130,263		754		754		131,017				3,613	03/15/2032	1
.31339W-S3-1	FHR 2435 GJ PAC-1-11 6.500% 04/15/32		06/01/2019	Paydown		139,615	139,615	138,627	138,653		962		962		139,615				3,566	04/15/2032	1
.31339W-WL-6	FHR 2437 PE PAC-11 6.500% 04/15/32		06/01/2019	Paydown		113,459	113,459	112,807	112,821		638		638		113,459				3,097	04/15/2032	1
.313370-AU-8	FHR 1541 HA PAC-11 7.000% 07/15/23		06/01/2019	Paydown		43,4															

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 4

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

1	2	3	4	5	6	7	8	9	10	Change In Book/Adjusted Carrying Value					16	17	18	19	20	21	22
										11	12	13	14	15							
CUSIP Ident-ification	Description	For-foreign	Disposal Date	Name of Purchaser	Number of Shares of Stock	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 and Admini-strative Symbol /Market Indicator (a)
3133T3-4F-2	FHR 1669 I PAC-1-11 6.500% 02/15/24		06/01/2019	Paydown		371,460	371,460	365,125	365,962		5,498		5,498		371,460				10,120	02/15/2024	1
3133T3-5W-4	FHR 1671 I PAC-1-11 7.000% 02/15/24		06/01/2019	Paydown		265,888	265,888	264,712	264,781		1,107		1,107		265,888				7,824	02/15/2024	1
3133T3-A4-0	FHR 1663 Z Z PAC-1-11 7.000% 01/15/24		06/01/2019	Paydown		136,532	136,532	129,386	135,257		1,276		1,276		136,532				3,933	01/15/2024	1
3133T3-U2-2	FHR 1672 E PAC-11 7.000% 02/15/24		06/01/2019	Paydown		85,719	85,719	85,088	85,343		376		376		85,719				2,513	02/15/2024	1
3133T3-IY-0	FHR 1650 K PAC-1-11 6.500% 01/15/24		06/01/2019	Paydown		114,950	114,950	112,967	113,221		1,729		1,729		114,950				3,163	01/15/2024	1
3133T4-3T-1	FHR 1717 I PAC-1-11 6.500% 04/15/24		06/01/2019	Paydown		54,005	54,005	52,419	52,638		1,367		1,367		54,005				1,466	04/15/2024	1
3133T4-NE-2	FHR 1694 PK PAC-11 6.500% 03/15/24		06/01/2019	Paydown		25,980	25,980	25,453	25,524		457		457		25,980				701	03/15/2024	1
3133T4-P4-2	FHR 1684 I PAC-1-11 6.500% 03/15/24		06/01/2019	Paydown		259,324	259,324	254,675	255,493		3,831		3,831		259,324				7,080	03/15/2024	1
3133T4-YM-2	FHR 1689 K PAC-11 6.000% 03/15/24		06/01/2019	Paydown		106,455	106,455	103,559	103,944		2,512		2,512		106,455				2,625	03/15/2024	1
3133T5-2K-8	FHG 37 J PAC-11 6.000% 07/17/24		06/01/2019	Paydown		184,793	184,793	170,386	172,431		12,363		12,363		184,793				4,560	07/17/2024	1
3133T5-BP-7	FHR 1714 K PAC-1-11 7.000% 04/15/24		06/01/2019	Paydown		69,756	69,756	68,776	68,895		861		861		69,756				2,038	04/15/2024	1
3133T5-FM-0	FHG 29 L PAC-1-11 7.500% 04/25/24		06/01/2019	Paydown		273,364	273,364	268,316	268,885		4,479		4,479		273,364				8,540	04/25/2024	1
3133T5-LL-5	FHR 1727 I PAC-1-11 6.500% 05/15/24		06/01/2019	Paydown		123,746	123,746	118,185	118,956		4,789		4,789		123,746				3,478	05/15/2024	1
3133T5-W5-8	FHR 1761 K PAC-11 8.500% 11/15/24		06/01/2019	Paydown		57,165	57,165	57,219	57,165						57,165				2,052	11/15/2024	1FE
3133T5-ZM-8	FHR 1773 G SEQ 8.500% 02/15/25		06/01/2019	Paydown		11,342	11,342	11,279	11,283		60		60		11,342				401	02/15/2025	1
3133T6-4V-0	FHR 1830 C SEQ 7.000% 03/15/26		06/01/2019	Paydown		35,724	35,724	35,167	35,228		496		496		35,724				1,036	03/15/2026	1
3133T6-5G-2	FHR 1824 E SEQ 7.000% 03/15/26		06/01/2019	Paydown		21,478	21,478	21,192	21,220		257		257		21,478				638	03/15/2026	1
3133T6-AR-2	FHR 1774 D SEQ 8.500% 03/15/25		06/01/2019	Paydown		4,292	4,292	4,267	4,268		24		24		4,292				150	03/15/2025	1
3133T6-EX-5	FHR 1784 PI PAC-11 8.000% 05/15/25		06/01/2019	Paydown		13,407	13,407	13,407	13,407						13,407				448	05/15/2025	1
3133T7-LK-3	FHR 1881 I SEQ 7.500% 08/15/26		06/01/2019	Paydown		11,192	11,192	11,092	11,100		92		92		11,192				351	08/15/2026	1
3133T7-PN-3	FHR 1871 Z Z SEQ 7.000% 08/15/26		06/01/2019	Paydown		18,781	18,781	17,008	18,452		328		328		18,781				559	08/15/2026	1
3133T8-2P-1	FHR 1896 E SEQ 8.000% 09/15/26		06/01/2019	Paydown		9,416	9,416	9,387	9,387		29		29		9,416				313	09/15/2026	1
3133T8-5Z-6	FHR 1899 C SEQ 8.000% 09/15/26		06/01/2019	Paydown		37,797	37,797	37,645	37,648		149		149		37,797				1,056	09/15/2026	1
3133T8-AX-5	FSPC T-4 A4 PT AS 7.625% 09/25/26		05/25/2019	Paydown		60,371	60,371	59,277	60,160		211		211		60,371				1,850	09/25/2026	1
3133T8-CK-1	FHR 1905 J SEQ 7.500% 10/15/26		06/01/2019	Paydown		7,504	7,504	7,379	7,390		114		114		7,504				232	10/15/2026	1
3133T8-XD-4	FHR 1931 Z Z SEQ 8.000% 02/15/27		06/01/2019	Paydown		45,481	45,481	44,211	45,158		323		323		45,481				1,463	02/15/2027	1
3133T8-XJ-1	FHR 1941 E SEQ 7.500% 02/15/27		06/01/2019	Paydown		5,745	5,745	5,540	5,683		62		62		5,745				179	02/15/2027	1
3133T8-ZU-4	FHR 1935 Z Z SEQ 8.000% 02/15/27		06/01/2019	Paydown		20,073	20,073	19,555	19,940		133		133		20,073				666	02/15/2027	1
3133T9-3W-3	FHR 1932 C SEQ 7.000% 02/15/27		06/01/2019	Paydown		20,481	20,481	20,252	20,270		211		211		20,481				597	02/15/2027	1
3133T9-5Y-7	FHR 1934 KZ Z SEQ 7.500% 02/17/27		06/01/2019	Paydown		40,049	40,049	37,230	39,502		547		547		40,049				1,150	02/17/2027	1
3133T9-AQ-8	FHR 1929 NZ Z 7.500% 02/15/27		06/01/2019	Paydown		42,725	42,725	38,026	41,937		788		788		42,725				1,252	02/15/2027	1
3133T9-D6-9	FHR 1930 Z Z SEQ 7.500% 02/15/27		06/01/2019	Paydown		23,696	23,696	21,330	23,308		388		388		23,696				738	02/15/2027	1
3133T9-D7-7	FHR 1930 ZA Z SEQ 8.000% 02/15/27		06/01/2019	Paydown		15,498	15,498	14,670	15,337		161		161		15,498				520	02/15/2027	1
3133T9-GB-5	FHR 1933 ZA Z SEQ 8.000% 02/15/27		06/01/2019	Paydown		69,723	69,723	67,304	69,168		554		554		69,723				2,230	02/15/2027	1
3133T9-HC-2	FHR 1943 Z Z SEQ 7.500% 03/15/27		06/01/2019	Paydown		24,253	24,253	22,305	23,914		339		339		24,253				828	03/15/2027	1
3133T9-LW-3	FHR 1944 HZ Z SEQ 7.500% 03/15/27		06/01/2019	Paydown		14,217	14,217	13,171	13,994		223		223		14,217				420	03/15/2027	1
3133T9-RG-2	FHR 1951 K SC SEQ 7.500% 12/15/26		06/01/2019	Paydown		8,784	8,784	8,646	8,654		130		130		8,784				256	12/15/2026	1
3133TA-DV-1	FHR 1967 Z Z SEQ 7.750% 06/17/27		06/01/2019	Paydown		68,777	68,777	64,497	67,925		852		852		68,777				2,046	06/17/2027	1
3133TA-FM-9	FHR 1971 ZA Z SEQ 7.500% 07/20/27		06/01/2019	Paydown		30,430	30,430	30,244	30,286		144		144		30,430				943	07/20/2027	1
3133TA-KM-3	FHR 1975 E SEQ 7.500% 07/15/27		06/01/2019	Paydown		11,393	11,393	11,311	11,315		77		77		11,393				365	07/15/2027	1
3133TA-XX-5	FHR 1978 AE SEQ 7.000% 08/15/27		06/01/2019	Paydown		57,919	57,919	57,398	57,432		487		487		57,919				1,375	08/15/2027	1
3133TA-Y5-5	FHR 1978 BE SEQ 6.500% 08/15/27		06/01/2019	Paydown		10,071	10,071	9,870	10,000		72		72		10,071				275	08/15/2027	1
3133TB-3P-3	FHR 1990 G SEQ 6.500% 09/15/27		06/01/2019	Paydown		37,635	37,635	36,810	36,881		754		754		37,635				979	09/15/2027	1
3133TB-BE-9	FHR 1988 GD SEQ 6.500% 09/15/27		06/01/2019	Paydown		12,023	12,023	11,824	11,841		182		18								

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini-strative Symbol /Market Indicator (a)	
.3133TD-JY-3	FHR 2050 Z Z SEQ 6.500% 04/15/28		06/01/2019	Paydown		25,726	25,726	23,945	25,312		415		415		25,726				703	04/15/2028	1	
.3133TD-PJ-9	FHR 2043 ZC Z SEQ 7.000% 04/15/28		06/01/2019	Paydown		28,754	28,754	28,732	28,722		32		32		28,754				830	04/15/2028	1	
.3133TD-PX-8	FSPC T-11 A8 SEQ PT 6.500% 01/25/28		06/01/2019	Paydown		202,393	212,797	207,284	212,797						212,797			(10,405)	(10,405)	5,736	01/25/2028	1FE
.3133TD-TP-1	FHR 2058 H SEQ 7.000% 05/15/28		06/01/2019	Paydown		9,504	9,504	9,680	9,525		(21)		(21)		9,504				280	05/15/2028	1	
.3133TE-IH-3	FHR 2083 ZC Z SEQ 6.500% 08/15/28		06/01/2019	Paydown		8,297	8,297	7,746	8,118		178		178		8,297				199	08/15/2028	1	
.3133TG-3U-1	FHR 2080 Z Z SEQ 6.500% 08/15/28		06/01/2019	Paydown		35,509	35,509	35,154	35,332		177		177		35,509				934	08/15/2028	1	
.3133TG-SS-4	FHR 2084 ZA Z SEQ 6.500% 08/15/28		06/01/2019	Paydown		6,741	6,741	5,858	6,551		189		189		6,741				179	08/15/2028	1	
.3133TH-6A-0	FHR 2105 ZA Z SEQ 6.500% 12/15/28		06/01/2019	Paydown		12,287	12,287	11,611	12,061		226		226		12,287				331	12/15/2028	1	
.3133TJ-GW-7	FHR 2129 ZA Z SEQ 6.000% 02/15/29		06/01/2019	Paydown		43,911	43,911	38,875	42,355		1,556		1,556		43,911				1,087	02/15/2029	1	
.3133TJ-OG-1	FHR 2137 CZ Z SEQ 6.500% 03/15/29		06/01/2019	Paydown		90,076	90,076	82,293	87,998		2,078		2,078		90,076				2,497	03/15/2029	1	
.3133TJ-UD-3	FHR 2138 Z Z SEQ 6.500% 03/15/29		06/01/2019	Paydown		45,343	45,343	42,765	44,500		844		844		45,343				1,210	03/15/2029	1	
.3133TJ-V8-3	FHR 2132 LZ Z SEQ 6.500% 03/15/29		06/01/2019	Paydown		21,747	21,747	19,704	21,263		484		484		21,747				586	03/15/2029	1	
.3133TJ-VY-6	FHR 2132 ZL Z SEQ 6.500% 03/15/29		06/01/2019	Paydown		30,309	30,309	28,278	29,704		606		606		30,309				913	03/15/2029	1	
.3133TK-ZE-9	FHR 2134 ZC Z SEQ 6.500% 03/15/29		06/01/2019	Paydown		306,847	306,847	278,559	299,911		6,936		6,936		306,847				8,165	03/15/2029	1	
.3133TK-VG-2	FHR 2159 Z EXCH Z SEQ 7.000% 05/15/29		06/01/2019	Paydown		35,240	35,240	33,914	34,907		332		332		35,240				1,004	05/15/2029	1	
.3133TL-MK-1	FHR 2174 HZ Z SEQ 7.000% 07/15/29		06/01/2019	Paydown		12,600	12,600	11,330	12,298		302		302		12,600				373	07/15/2029	1	
.3133TL-T8-1	FHR 2180 ZB Z SEQ 7.000% 08/15/29		06/01/2019	Paydown		32,300	32,300	29,144	31,563		737		737		32,300				941	08/15/2029	1	
.3133TL-XU-7	FHR 2186 ZB Z SEQ 8.000% 09/15/29		06/01/2019	Paydown		125,278	125,278	124,114	124,690		588		588		125,278				3,760	09/15/2029	1	
.3133TM-7F-7	FHR 2182 ZB Z SEQ 8.000% 09/15/29		06/01/2019	Paydown		288,434	288,434	280,193	286,099		2,335		2,335		288,434				10,098	09/15/2029	1	
.3133TM-AQ-9	FHR 2193 ZC Z SEQ 8.000% 10/15/29		06/01/2019	Paydown		51,803	51,803	52,536	51,803						51,803				1,736	10/15/2029	1	
.3133TM-DT-0	FHR 2190 Z Z SEQ 7.500% 10/20/29		06/01/2019	Paydown		61,448	61,448	58,976	60,791		658		658		61,448				1,965	10/20/2029	1	
.3133TM-DV-5	FHR 2190 ZC Z SEQ 8.000% 10/17/29		06/01/2019	Paydown		54,650	54,650	54,940	54,650						54,650				1,734	10/17/2029	1	
.3133TM-FT-8	FHR 2191 Z Z TAC-22 7.500% 10/15/29		06/01/2019	Paydown		46,570	46,570	42,131	45,572		998		998		46,570				1,553	10/15/2029	1	
.3133TM-N9-3	FHR 2200 ZC Z SEQ 8.000% 11/20/29		06/01/2019	Paydown		30,909	30,909	31,226	30,909						30,909				1,026	11/20/2029	1	
.3133TN-7H-1	FHR 2213 Z Z SEQ 8.000% 01/15/30		06/01/2019	Paydown		16,993	16,993	16,385	16,842		152		152		16,993				548	01/15/2030	1	
.3133TN-QN-2	FHR 2209 Z Z SEQ 8.000% 01/20/30		06/01/2019	Paydown		18,875	18,875	18,064	18,665		211		211		18,875				590	01/20/2030	1	
.3133TN-EP-5	FHR 2211 Z Z SEQ 8.000% 01/15/30		06/01/2019	Paydown		14,987	14,987	14,549	14,870		117		117		14,987				500	01/15/2030	1	
.3133TN-MJ-0	FHR 2219 PC PAC-11 7.500% 03/15/30		06/01/2019	Paydown		8,434	8,434	8,475	8,434						8,434				276	03/15/2030	1	
.3133TN-R2-2	FHR 2220 ZN Z SEQ 8.000% 03/15/30		06/01/2019	Paydown		17,600	17,600	16,938	17,436		164		164		17,600				518	03/15/2030	1	
.3133TN-Z4-9	FHR 2231 ZP Z SEQ 8.350% 05/15/30		06/01/2019	Paydown		55,002	55,002	54,968	54,948		54		54		55,002				1,833	05/15/2030	1	
.3133TP-J2-6	FHR 2250 Z Z SEQ 7.000% 08/15/30		06/01/2019	Paydown		7,735	7,735	7,413	7,658		77		77		7,735				230	08/15/2030	1	
.3133TP-MR-7	FHR 2258 Z Z SEQ 7.000% 09/15/30		06/01/2019	Paydown		9,246	9,246	8,899	9,169		76		76		9,246				261	09/15/2030	1	
.3133TP-SZ-3	FHR 2256 ZY Z SEQ 7.000% 09/15/30		06/01/2019	Paydown		9,701	9,701	9,342	9,610		91		91		9,701				264	09/15/2030	1	
.3133TP-TN-9	FHR 2254 PE PAC-1-11 7.500% 09/15/30		06/01/2019	Paydown		12,178	12,178	12,239	12,178						12,178				396	09/15/2030	1	
.3133TP-ZS-1	FHR 2265 PC PAC-1-11 7.500% 10/15/30		06/01/2019	Paydown		18,935	18,935	19,118	18,935						18,935				620	10/15/2030	1	
.3133TQ-2R-7	FHR 2265 Z Z SEQ 7.000% 10/15/30		06/01/2019	Paydown		32,884	32,884	31,887	32,610		274		274		32,884				967	10/15/2030	1	
.3133TQ-4L-8	FHR 2261 Z Z SEQ 7.000% 10/15/30		06/01/2019	Paydown		33,333	33,333	32,088	32,988		344		344		33,333				986	10/15/2030	1	
.3133TR-FW-0	FHR 2289 Z Z SEQ 6.500% 02/15/31		06/01/2019	Paydown		95,958	95,958	90,081	94,262		1,696		1,696		95,958				2,644	02/15/2031	1	
.3133TR-KF-1	FHR 2283 Z Z SEQ 7.000% 02/15/31		06/01/2019	Paydown		18,955	18,955	18,194	18,738		217		217		18,955				525	02/15/2031	1	
.3133TR-P3-3	FHR 2300 PD PAC-1-11 6.500% 03/15/31		06/01/2019	Paydown		13,978	13,978	14,136	13,989		(10)		(10)		13,978				362	03/15/2031	1	
.3133TR-QZ-1	FHR 2295 EZ Z SEQ 6.500% 03/15/31		06/01/2019	Paydown		8,586	8,586	7,915	8,452		134		134		8,586				224	03/15/2031	1	
.3133TT-ZS-9	FHR 2320 Z Z SEQ 7.000% 05/15/31		06/01/2019	Paydown		26,319	26,319	24,871	25,946		373		373		26,319				727	05/15/2031	1	
.3133TT-LA-7	FHR 2313 ZG Z SEQ 7.000% 05/15/31		06/01/2019	Paydown		9,100	9,100	8,480	8,920		179		179		9,100				259	05/15/2031	1	
.3133TT-N3-1	FHR 2312 KZ SC Z SEQ 6.500% 04/15/31		06/01/2019	Paydown		25,023	25,023	24,147	24,740		282		282		25,023				703	04/15/2031	1	
.3133TT-RS-2	FHR 2331 Z Z SEQ 6.500% 06/15/31		06/01/2019	Paydown"><																		

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 Temporary Impairment Recogn- ized	Total Change in Book/ Adjusted Carrying Value (11 + 12 - 13)	Total Foreign Exchange Change in Book /Adjusted Carrying Value	Book/ Adjusted Carrying Value at Disposal Date	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal	Bond Interest/ Stock Dividends Received During Year	Stated Con- tractual Maturity Date	NAIC Desig- nation and Admini- strative Symbol /Market Indicator (a)
3133TV-PF-7	FHR 2433 PE PAC-11 6.500% 04/15/32		06/01/2019	Paydown		69,509	69,509	69,922	69,509						69,509				2,010	04/15/2032	1
3133TV-PV-2	FHR 2433 ZB Z SEQ 6.500% 04/15/32		06/01/2019	Paydown		20,601	20,601	19,262	20,187		415		415		20,601				567	04/15/2032	1
3133TV-UP-9	FHR 2434 ZC Z SEQ 6.500% 04/15/32		06/01/2019	Paydown		48,601	48,601	45,518	47,692		909		909		48,601				1,311	04/15/2032	1
3133TV-VB-9	FHR 2434 PR EXCH PAC-11 6.500% 04/15/32		06/01/2019	Paydown		48,966	48,966	50,374	49,334		(368)		(368)		48,966				1,348	04/15/2032	1
31340Y-03-0	FHR 71 F PAC-11 9.300% 12/15/20		06/15/2019	Paydown		738	738	744	738						738				26	12/15/2020	1
31340Y-S4-2	FHR 81 A XAC PAC 8.125% 11/15/20		06/15/2019	Paydown		29	29	29	29						29				1	11/15/2020	1
31340Y-SV-2	FHR 51 E PAC-11 10.000% 07/15/20		05/15/2019	Paydown		490	490	481	485		.5		.5		490				20	07/15/2020	1
31340Y-T7-4	FHR 83 Z Z 9.000% 10/15/20		06/15/2019	Paydown		1,723	1,723	1,492	1,707		.16		.16		1,723				65	10/15/2020	1
31340Y-YB-9	FHR 65 E PAC-11 9.300% 08/15/20		06/15/2019	Paydown		1,210	1,210	1,214	1,207		.4		.4		1,210				46	08/15/2020	1
31358E-BR-6	FNR 1990-113 Z Z 9.500% 09/25/20		06/01/2019	Paydown		4,999	4,999	4,431	4,943		.56		.56		4,999				198	09/25/2020	1
31358E-DE-9	FNR 1990-46 E SEQ 9.500% 05/25/20		06/01/2019	Paydown		5,271	5,271	5,112	5,225		.46		.46		5,271				204	05/25/2020	1
31358E-J3-7	FNR 1990-97 G PAC 7.000% 08/25/20		06/01/2019	Paydown		1,520	1,520	1,429	1,507		.13		.13		1,520				44	08/25/2020	1
31358E-MS-8	FNR 1990-65 X Z PAC-11 9.500% 06/25/20		06/01/2019	Paydown		2,298	2,298	1,994	2,269		.29		.29		2,298				89	06/25/2020	1
31358F-B4-0	FNR 1991-8 G PAC-11 6.500% 02/25/21		06/01/2019	Paydown		3,032	3,032	2,767	2,996		.36		.36		3,032				82	02/25/2021	1
31358F-HX-0	FNR 1990-129 J PAC 9.500% 11/25/20		06/01/2019	Paydown		1,392	1,392	1,427	1,392				1,392		1,392				55	11/25/2020	1
31358F-SW-0	FNR 1990-142 Z Z SEQ 9.500% 12/25/20		06/01/2019	Paydown		3,083	3,083	2,854	3,049		.34		.34		3,083				122	12/25/2020	1
31358G-5K-9	FNR 1991-65 W IO PZ PAC-11 CPT 1004%		06/25/21	Paydown		18	18								18				74	06/25/2021	1
31358G-TS-6	FNR 1991-44 G PAC 8.500% 05/25/21		06/01/2019	Paydown		787	787	738	777		.10		.10		787				28	05/25/2021	1
31358H-C4-5	FNR G-24 O SEQ 8.250% 08/25/21		06/01/2019	Paydown		2,174	2,174	2,121	2,137		.37		.37		2,174				74	08/25/2021	1
31358H-CH-6	FNR 1991-69 K PAC 9.500% 06/25/21		06/01/2019	Paydown		5,393	5,393	5,407	5,378		.15		.15		5,393				213	06/25/2021	1
31358H-OA-6	FNR G-21 M IO PAC 1196% 07/25/21		05/01/2019	Paydown		3	3						.3		3				13	07/25/2021	1
31358H-RE-7	FNR 1991-82 PZ Z PAC 8.000% 08/25/21		06/01/2019	Paydown		56,580	56,580	45,121	55,575		1,005		1,005		56,580				1,715	08/25/2021	1
31358H-VB-8	FNR 1991-86 M IO PZ PAC-11 CPT 750.000%		07/25/21	Paydown		30	30								30				94	07/25/2021	1
31358H-WJ-0	FNR 1991-89 G TAC 8.400% 08/25/21		06/01/2019	Paydown		12,811	12,811	12,567	12,643		168		168		12,811				450	08/25/2021	1
31358H-YH-2	FNR 1991-93 M PAC-11 7.500% 08/25/21		06/01/2019	Paydown		5,598	5,598	5,425	5,465		133		133		5,598				174	08/25/2021	1
31358J-2J-9	FNR 1991-141 PJ IO PZ PAC-12 1004%		10/25/21	Paydown		23	23								23				98	10/25/2021	1
31358J-5L-1	FNR G-32 N SEQ 8.100% 10/25/21		06/01/2019	Paydown		2,817	2,817	2,626	2,775		.42		.42		2,817				94	10/25/2021	1
31358J-BJ-9	FNR 1991-119 Z Z 8.500% 09/25/21		06/01/2019	Paydown		3,867	3,867	3,293	3,805		.62		.62		3,867				139	09/25/2021	1
31358J-C2-5	FNR 1991-132 K IO PZ PAC 994.051% 10/25/21		06/01/2019	Paydown		10	10						.10		10				40	10/25/2021	1
31358J-LQ-2	FNR 1991-108 K IO PAC 846.856% 09/25/21		06/01/2019	Paydown		65	65						.65		65				231	09/25/2021	1
31358J-LS-8	FNR 1991-108 JC PAC 9.000% 09/25/21		06/01/2019	Paydown		11,291	11,291	11,192	11,201		.91		.91		11,291				430	09/25/2021	1
31358J-RQ-6	FNR 1991-116 E PAC-11 8.500% 09/25/21		06/01/2019	Paydown		8,541	8,541	8,403	8,430		110		110		8,541				302	09/25/2021	1
31358J-Y5-4	FNR G-35 O IO TAC-11 1070% 10/25/21		06/01/2019	Paydown		53	53						.53		53				233	10/25/2021	1
31358K-4X-3	FNR 1991-168 PX Z PAC-11 7.000% 12/25/21		06/01/2019	Paydown		12,618	12,618	9,173	12,278		.339		.339		12,618				366	12/25/2021	1
31358K-7A-0	FNR 1991-164 PX Z PAC-11 7.500% 12/25/21		06/01/2019	Paydown		5,573	5,573	4,193	5,415		.158		.158		5,573				171	12/25/2021	1
31358K-C3-0	FNR 1991-163 L PAC-11 8.500% 12/25/21		06/01/2019	Paydown		5,284	5,284	5,137	5,284						5,284				187	12/25/2021	1
31358K-CD-8	FNR 1991-152 Z Z 8.000% 11/25/21		06/01/2019	Paydown		6,130	6,130	4,795	5,999		131		131		6,130				204	11/25/2021	1
31358L-JC-1	FNR G92-7 K SEQ 7.000% 01/25/22		06/01/2019	Paydown		9,134	9,134	8,792	8,890		.244		.244		9,134				273	01/25/2022	1
31358L-YC-4	FNR G92-11 K PAC-11 7.000% 02/25/22		06/01/2019	Paydown		27,600	27,600	26,774	26,964		.636		.636		27,600				808	02/25/2022	1
31358L-ZW-9	FNR 1992-16 Z Z PAC-11 7.000% 02/25/22		06/01/2019	Paydown		69,085	69,085	50,898	67,168		1,918		1,918		69,085				2,034	02/25/2022	1
31358M-ZV-9	FNR G92-22 J PAC-11 7.500% 04/25/22		06/01/2019	Paydown		10,886	10,886	10,635	10,691		.195		.195		10,886				338	04/25/2022	1
31358N-GK-3	FNR 1992-126 PZ Z PAC-11 8.000% 07/25/22		06/01/2019	Paydown		22,963	22,963	19,641	22,572		.391		.391		22,963				764	07/25/2022	1
31358N-LQ-3	FNR 1992-100 ZB Z 8.500% 06/25/22		06/01/2019	Paydown		18,379	18,379	17,400	18,128		.251		.251		18,379				654	06/25/2022	1
31358N-M5-8	FNR 1992-119 Z Z 8.000% 07/25/22		06/01/2019	Paydown		22,912	22,912	19,499	22,501		.411		.411		22,912				770	07/25/2022	1
31358N-P4-8	FNR 1992-112 G PAC-11 8.000% 07/25/22		06/01/2019	Paydown		12,435	12,435	12,243	12,271		.165		.165		12,435				415	07/25/2022	1
31358N-YB-2	FNR 1992-79 NB IO PAC-11 1004% 06/25/22		06/01/2019	Paydown		27	27						.27		27				122	06/25/2022	1
31358P-BG-1	FNR 1992-134 L PAC-11 6.000% 07/25/22		06/01/2019	Paydown		5,995	5,995	5,639	5,795		.200		.200		5,995				150	07/25/2022	1
31358P-C9-6	FNR 1992-135 LZ Z PAC-11 7.500% 08/25/22		06/01/2019	Paydown		40,907	40,907	33,441	40,091		.816		.816		40,907				1,263	08/25/2022	1
31358P-EN-3	FNR 1992-117 NB IO PAC-11 1175% 07/25/22		06/01/2019	Paydown		19	19						.19		19				98	07/25/2022	1
31358P-G2-7	FNR G92-41 M PAC-11 5.875% 08/25/22		06/01/2019	Paydown		29,279	29,279	27,894	28,189		1,090		1,090		29,279				662	08/25/2022	1
31358P-ST-5	FNR 1992-132 PZ Z PAC-11 8.000% 08/25/22		06/01/2019	Paydown		26,080	26,080	22,380	25,595		.485		.485		26,080				863	08/25/2022	1
31358Q-2R-5	FNR 1992-168 KB PAC-11 7.000% 10/25/22		06/01/2019	Paydown		7,016	7,016	6,928	6,969		.46		.46		7,016				204	10/25/2022	1
31358Q-EU-5	FNR 1992-162 D PAC-11 7.000% 09/25/22		06/01/2019	Paydown		7,113	7,113	6,654	7,013		.99		.99		7,113				206	09/25/2022	1
31358Q-L2-9	FNR 1992-182 PM IO NTL 7.500% 10/25/22		06/01/2019	Paydown															98	10/25/2022	1

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 Change in Book /Adjusted Carrying Value	Book/ Adjusted Carrying Value at Disposal Date	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal	Bond Interest/ Stock Dividends Received During Year	Stated Con- tractual Maturity Date	NAIC Desig- nation and Admini- strative Symbol /Market Indicator (a)
.313580-L8-6	FNR 1992-182 Z Z PAC-11 7.000% 10/25/22		06/01/2019	Paydown		14,816	14,816	11,677	14,416		399		399		14,816				457	10/25/2022	1
.313580-LN-3	FNR 1992-163 P IO NTL 8.000% 09/25/22		06/01/2019	Paydown															51	09/25/2022	1
.313580-06-5	FNR 1992-181 PN PAC-11 7.000% 10/25/22		06/01/2019	Paydown		40,306	40,306	39,256	39,411		895		895		40,306				1,256	10/25/2022	1
.313580-QR-9	FNR 1992-143 NA IO PAC-11 1184% 09/25/22		06/01/2019	Paydown		24	24				24		24		24				121	09/25/2022	1
.313580-VP-7	FNR 1992-150 M PAC-11 8.000% 09/25/22		06/01/2019	Paydown		27,085	27,085	26,797	26,823		261		261		27,085				917	09/25/2022	1
.313580-VR-3	FNR 1992-150 NC IO PAC-11 945.367% 09/25/22		06/01/2019	Paydown		81	81				81		81		81				325	09/25/2022	1
.31358R-4X-8	FNR 1993-4 L PAC-11 7.500% 01/25/23		06/01/2019	Paydown		59,723	59,723	58,977	59,059		664		664		59,723				1,957	01/25/2023	1
.31358R-4Z-3	FNR 1993-4 LB PAC-11 7.000% 01/25/23		06/01/2019	Paydown		12,151	12,151	11,880	11,919		232		232		12,151				372	01/25/2023	1
.31358R-KL-6	FNR 1992-201 D TAC-11 7.000% 11/25/22		06/01/2019	Paydown		15,470	15,470	15,041	15,111		359		359		15,470				453	11/25/2022	1
.31358R-R9-6	FNR 1992-215 PT PAC-11 7.500% 12/25/22		06/01/2019	Paydown		16,680	16,680	16,366	16,410		270		270		16,680				523	12/25/2022	1
.31358T-SU-9	FNR 1993-23 PZ Z PAC-11 7.500% 03/25/23		06/01/2019	Paydown		54,443	54,443	50,717	53,763		680		680		54,443				1,692	03/25/2023	1
.31358T-KQ-1	FNR 093-3 K PAC-11 7.000% 02/25/23		06/01/2019	Paydown		23,308	23,308	22,843	22,910		398		398		23,308				667	02/25/2023	1
.31358T-TW-9	FNR 093-8 PZ Z PAC-11 7.250% 02/25/23		06/01/2019	Paydown		53,232	53,232	45,796	52,237		996		996		53,232				1,618	02/25/2023	1
.31358T-XV-6	FNR 1993-20 J PAC-11 7.000% 03/25/23		06/01/2019	Paydown		38,621	38,621	37,563	37,859		762		762		38,621				1,125	03/25/2023	1
.31358T-ZB-8	FNR 1993-24 Z Z PAC-1-11 7.000% 03/25/23		06/01/2019	Paydown		20,680	20,680	17,268	20,234		446		446		20,680				613	03/25/2023	1
.31358U-AX-4	FNR 1993-29 J PAC-22 7.500% 03/25/23		06/01/2019	Paydown		50,394	50,394	50,054	50,070		324		324		50,394				1,573	03/25/2023	1
.31358U-G5-9	FNR 1993-61 KC PAC-11 7.000% 05/25/23		06/01/2019	Paydown		10,212	10,212	10,058	10,078		135		135		10,212				301	05/25/2023	1
.31358U-GD-2	FNR 1993-38 M PAC-11 6.750% 03/25/23		06/01/2019	Paydown		99,859	99,859	97,799	98,107		1,752		1,752		99,859				2,701	03/25/2023	1
.31358U-HV-1	FNR 093-16 K PAC-11 5.000% 04/25/23		06/01/2019	Paydown		32,681	32,681	30,238	30,636		2,045		2,045		32,681				659	04/25/2023	1
.31358U-T8-9	FNR 093-20 PU IO PAC-1-11 892.761% 05/25/23		06/01/2019	Paydown		42	42				42		42		42				156	05/25/2023	1
.31359A-AM-1	FNR 1993-73 L PAC-11 7.500% 05/25/23		06/01/2019	Paydown		38,115	38,115	38,246	38,115						38,115				1,216	05/25/2023	1
.31359A-K8-1	FNR 1993-98 L PAC-11 7.000% 06/25/23		06/01/2019	Paydown		104,996	104,996	103,437	104,224		772		772		104,996				3,321	06/25/2023	1
.31359A-VP-1	FNR 1993-77 L PAC-1-11 7.000% 06/25/23		06/01/2019	Paydown		35,410	35,410	34,890	35,133		277		277		35,410				998	06/25/2023	1
.31359B-BU-0	FNR 1993-103 PL PAC-1-11 7.000% 07/25/23		06/01/2019	Paydown		79,707	79,707	78,233	78,407		1,300		1,300		79,707				2,155	07/25/2023	1
.31359B-GB-7	FNR 093-25 L PAC-1-11 7.000% 07/25/23		06/01/2019	Paydown		133,570	133,570	131,597	131,844		1,726		1,726		133,570				3,853	07/25/2023	1
.31359B-JQ-1	FNR 1993-120 L PAC-1-11 7.000% 07/25/23		06/01/2019	Paydown		67,709	67,709	66,822	66,919		790		790		67,709				1,997	07/25/2023	1
.31359B-LJ-4	FNR 093-26 PZ Z PAC-11 7.000% 07/25/23		06/01/2019	Paydown		111,262	111,262	102,135	109,559		1,703		1,703		111,262				3,233	07/25/2023	1
.31359B-SU-2	FNR 1993-136 K IO NTL AD 7.000% 07/25/23		06/01/2019	Paydown															51	07/25/2023	1
.31359B-YJ-0	FNR 1993-142 G PAC-11 7.000% 08/25/23		06/01/2019	Paydown		33,193	33,193	32,606	32,928		265		265		33,193				953	08/25/2023	1
.31359D-2W-2	FNR 1993-163 Z Z PAC-11 7.000% 09/25/23		06/01/2019	Paydown		128,595	128,595	122,768	127,263		1,332		1,332		128,595				3,737	09/25/2023	1
.31359D-K6-9	FNR 1993-155 KZ Z PAC-1-11 7.000% 09/25/23		06/01/2019	Paydown		109,034	109,034	101,385	107,615		1,420		1,420		109,034				3,231	09/25/2023	1
.31359D-KV-4	FNR 093-33 K PAC-1-11 7.000% 09/25/23		06/01/2019	Paydown		30,387	30,387	30,387	30,387						30,387				882	09/25/2023	1
.31359E-5P-2	FNR 1993-210 PM PAC-1-11 6.500% 11/25/23		06/01/2019	Paydown		229,676	229,676	227,602	227,779		1,897		1,897		229,676				6,203	11/25/2023	1
.31359E-RZ-6	FNR 1993-201 L PAC-1-11 6.500% 10/25/23		06/01/2019	Paydown		83,814	83,814	83,053	83,113		701		701		83,814				2,202	10/25/2023	1
.31359E-V4-0	FNR 1993-206 L PAC-11 6.500% 11/25/23		06/01/2019	Paydown		134,158	134,158	132,734	133,063		1,096		1,096		134,158				3,610	11/25/2023	1
.31359F-K7-2	FNR 093-41 Z Z SEQ 7.000% 12/25/23		06/01/2019	Paydown		133,124	133,124	125,199	131,951		1,173		1,173		133,124				3,961	12/25/2023	1
.31359F-Z7-6	FNR 1993-252 K PAC-1-11 6.500% 12/25/23		06/01/2019	Paydown		161,056	161,056	157,833	158,221		2,835		2,835		161,056				4,396	12/25/2023	1
.31359G-20-8	FNR 1994-39 PL PAC-1-11 6.500% 03/25/24		06/01/2019	Paydown		110,952	110,952	108,662	108,934		2,018		2,018		110,952				2,893	03/25/2024	1
.31359G-B8-8	FNR 1994-30 K PAC-1-11 6.500% 02/25/24		06/01/2019	Paydown		111,036	111,036	109,208	109,406		1,630		1,630		111,036				3,045	02/25/2024	1
.31359G-BX-3	FNR 1993-225 PJ PAC-1-11 6.500% 12/25/23		06/01/2019	Paydown		149,045	149,045	147,535	147,670		1,375		1,375		149,045				4,091	12/25/2023	1
.31359G-E9-3	FNR 1994-28 L PAC-11 6.500% 03/25/24		06/01/2019	Paydown		99,971	99,971	98,029	98,256		1,715		1,715		99,971				2,691	03/25/2024	1
.31359G-ER-3	FNR 1993-225 OK PAC-1-11 6.500% 12/25/23		06/01/2019	Paydown		210,678	210,678	206,936	207,377		3,301		3,301		210,678				5,783	12/25/2023	1
.31359G-L4-6	FNR 1994-44 K PAC-1-11 6.500% 03/25/25																				



STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
31359L-F3-4	FNR 1995-24 H SC PT 6.500% 09/25/23		06/01/2019	Paydown		14,333	14,333	14,099	14,128		205		205		14,333				381	09/25/2023	1FE
31359L-JB-2	FNR 1994-108 A SC PT 7.500% 10/25/22		06/01/2019	Paydown		13,749	13,749	13,740	13,717		32		32		13,749				427	10/25/2022	1
31359L-ZB-4	FNR 1995-19 Z SC Z SEQ 6.500% 11/25/23		06/01/2019	Paydown		104,818	104,818	87,572	103,067		1,751		1,751		104,818				2,775	11/25/2023	1
31359N-2A-8	FNR 1997-25 Z Z 7.000% 03/18/27		06/01/2019	Paydown		36,101	36,101	35,521	35,895		206		206		36,101				1,027	03/18/2027	1
31359N-3L-3	FNR 1997-19 ZA Z SEQ 7.000% 04/18/27		06/01/2019	Paydown		13,711	13,711	13,686	13,681		30		30		13,711				415	04/18/2027	1
31359N-MB-1	FNR 1997-15 Z Z SEQ 7.500% 04/18/27		06/01/2019	Paydown		21,000	21,000	19,231	20,644		356		356		21,000				689	04/18/2027	1
31359N-NJ-1	FNR G97-1 Z Z SEQ 7.500% 01/20/27		06/01/2019	Paydown		42,543	42,543	36,698	41,483		1,060		1,060		42,543				1,429	01/20/2027	1
31359N-TJ-0	FNR 1997-11 E SEQ 7.000% 03/18/27		06/01/2019	Paydown		15,433	15,433	15,240	15,254		179		179		15,433				416	03/18/2027	1
31359N-UB-5	FNR 1997-11 Z Z SEQ 7.500% 03/18/27		06/01/2019	Paydown		16,807	16,807	15,468	16,537		270		270		16,807				546	03/18/2027	1
31359P-6D-3	06/17/27		06/01/2019	Paydown		155,951	155,951	147,459	153,583		2,369		2,369		155,951				5,205	06/17/2027	1
31359P-6E-1	FNR G97-5 ZA ARB Z SEQ 8.000% 06/17/27		06/01/2019	Paydown		8,981	8,981	8,492	8,845		136		136		8,981				300	06/17/2027	1
31359P-7K-6	FNR 1997-64 C SEQ 6.500% 09/18/27		06/01/2019	Paydown		19,937	19,937	19,632	19,654		283		283		19,937				541	09/18/2027	1
31359P-7M-2	FNGT 1998-T3 B PT 10.902% 09/25/23		04/01/2019	Paydown		14,645	14,645	15,685	14,684		(39)		(39)		14,645				389	09/25/2023	1
31359P-FS-0	FNR 1997-29 Z Z SEQ 6.500% 05/18/27		06/01/2019	Paydown		13,853	13,853	12,984	13,670		183		183		13,853				356	05/18/2027	1
31359P-LK-0	FNR 1997-26 Z Z SEQ 6.600% 05/18/27		06/01/2019	Paydown		36,977	36,977	35,471	36,618		359		359		36,977				1,009	05/18/2027	1
31359P-ME-3	FNR 1997-26 GZ Z SEQ 7.000% 04/17/27		06/01/2019	Paydown		91,354	91,354	82,073	89,732		1,622		1,622		91,354				2,672	04/17/2027	1
31359P-SY-3	FNR 1997-35 Z Z SEQ 8.000% 06/18/27		06/01/2019	Paydown		25,807	25,807	25,307	25,639		168		168		25,807				806	06/18/2027	1
31359P-WD-4	FNR 1997-34 ZA Z SEQ 8.000% 06/18/27		06/01/2019	Paydown		32,300	32,300	30,548	31,893		407		407		32,300				1,082	06/18/2027	1
31359P-WN-2	FNR 1997-34 PK PAC-11 7.000% 06/18/27		06/01/2019	Paydown		36,557	36,557	36,271	36,297		260		260		36,557				1,067	06/18/2027	1
31359P-X8-4	FNR 1997-42 ZC Z SEQ 6.500% 07/18/27		06/01/2019	Paydown		20,480	20,480	19,149	20,179		301		301		20,480				567	07/18/2027	1
31359P-Y8-3	FNR 1997-43 Z Z SEQ 7.500% 07/18/27		06/01/2019	Paydown		17,613	17,613	15,856	17,289		324		324		17,613				540	07/18/2027	1
31359Q-CD-4	FNR 1997-52 Z Z SEQ 7.920% 07/20/27		06/01/2019	Paydown		19,965	19,965	19,887	19,886		79		79		19,965				692	07/20/2027	1
31359Q-LE-2	FNR 1997-63 B SCH 7.000% 09/18/27		06/01/2019	Paydown		31,654	31,654	31,404	31,422		233		233		31,654				920	09/18/2027	1
31359Q-QZ-0	FNR 1997-59 Y SEQ 6.500% 09/18/27		06/01/2019	Paydown		8,100	8,100	7,942	7,957		143		143		8,100				214	09/18/2027	1
31359Q-W2-6	FNR 1997-74 J SEQ 6.500% 11/18/27		06/01/2019	Paydown		62,149	62,149	60,894	61,283		867		867		62,149				1,829	11/18/2027	1
31359Q-W8-3	FNR 1997-74 NC SEQ NAS 6.500% 11/18/27		06/01/2019	Paydown		6,314	6,314	6,150	6,160		155		155		6,314				171	11/18/2027	1
31359Q-Z7-2	FNR 1997-77 Z Z SEQ 7.000% 11/18/27		06/01/2019	Paydown		13,553	13,553	13,425	13,483		70		70		13,553				399	11/18/2027	1
31359R-OC-9	FNR 1997-92 C SEQ 6.500% 01/18/28		06/01/2019	Paydown		25,208	25,208	24,854	24,883		325		325		25,208				696	01/18/2028	1
31359R-RN-4	FNR 1997-94 H SEQ 6.500% 01/18/28		06/01/2019	Paydown		4,495	4,495	4,346	4,444		52		52		4,495				122	01/18/2028	1
31359R-VN-9	FNR 1998-5 C SEQ 6.500% 02/18/28		06/01/2019	Paydown		35,561	35,561	35,033	35,342		218		218		35,561				895	02/18/2028	1
31359R-XA-5	FNR 1998-1 D SEQ 7.000% 01/20/28		06/01/2019	Paydown		37,428	37,428	37,431	37,428						37,428				1,108	01/20/2028	1
31359S-DE-4	FNR 2001-12 ZA Z SEQ 7.000% 05/25/31		06/01/2019	Paydown		39,432	39,432	39,136	39,190		242		242		39,432				1,161	05/25/2031	1
31359S-QD-5	FNR 2001-10 PY PAC-11 6.000% 04/25/31		06/01/2019	Paydown		40,685	40,685	40,533	40,531		154		154		40,685				1,021	04/25/2031	1
31359S-QS-2	FNR 2001-10 LZ Z SEQ 7.000% 04/25/31		06/01/2019	Paydown		6,165	6,165	6,022	6,098		66		66		6,165				174	04/25/2031	1
31359T-HN-1	FNR 1998-29 Z Z SEQ 7.000% 04/20/28		06/01/2019	Paydown		36,681	36,681	36,605	36,595		86		86		36,681				1,073	04/20/2028	1
31359V-6Y-4	FNR 1999-37 ZA Z SEQ 7.000% 08/25/29		06/01/2019	Paydown		43,350	43,350	39,794	42,433		917		917		43,350				1,271	08/25/2029	1
31359V-YL-1	FNR 1999-24 ZE Z SEQ 6.500% 05/25/29		06/01/2019	Paydown		10,554	10,554	9,842	10,372		182		182		10,554				285	05/25/2029	1
31359W-2W-0	FNR 1999-51 C SEQ 7.500% 10/25/29		06/01/2019	Paydown		45,984	45,984	44,757	45,497		486		486		45,984				1,431	10/25/2029	1
31359W-3F-6	FNR 1999-51 BC SEQ 7.500% 10/25/29		06/01/2019	Paydown		9,990	9,990	9,741	9,871		119		119		9,990				313	10/25/2029	1
31359X-MB-2	FNA 1999-M6 Z Z SEQ 6.700% 11/17/39		06/01/2019	Paydown		9,882	9,882	9,899	9,882						9,882				276	11/17/2039	1
313602-VN-1	FNR 1989-35 G SEQ 9.500% 07/25/19		06/01/2019	Paydown		456	456	437	455		1		1		456				18	07/25/2019	1
313603-ST-5	FNR 1990-42 G SEQ 9.800% 04/25/20		06/01/2019	Paydown		141	141	140	140		1		1		141				6	04/25/2020	1
313603-JT-0	FNR 1989-91 Z Z 9.150% 12/25/19		06/01/2019	Paydown		277	277	230	274		3		3		277				11	12/25/2019	1
313603-S6-0	FNR 1990-26 K PAC-11 9.500% 03/25/20		06/01/2019	Paydown		1,445	1,445	1,432	1,435		11		11		1,445				57	03/25/2020	1
313637-FB-1																					

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 4

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

1	2	3	4	5	6	7	8	9	10	Change In Book/Adjusted Carrying Value					16	17	18	19	20	21	22
										11	12	13	14	15							
CUSIP Ident-ification	Description	For-foreign	Disposal Date	Name of Purchaser	Number of Shares of Stock	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 Temporary Impairment Recogn-ized	Total Change in Book/ Adjusted Carrying Value (11 + 12 - 13)	Total Foreign Exchange Change in Book /Adjusted Carrying Value	Book/ Adjusted Carrying Value at Disposal Date	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal	Bond Interest/ Stock Dividends Received During Year	Stated Con-tractual Maturity Date	NAIC Desig-nation and Admini-strative Symbol /Market Indicator (a)
3137F3-MM-3	FHR 4763 SA SC 10 INV NTL PT 3.856% 09/15/38		06/15/2019	Paydown				367,937	328,804				(328,804)						38,068	09/15/2038	1
3137F3-MP-6	FHR 4763 SE SC 10 INV NTL PT 3.856% 03/15/37		06/15/2019	Paydown				361,509	325,229				(325,229)						39,564	03/15/2037	1
3137FG-AS-4	FHR 4806 SJ SC 10 INV NTL PT 3.856% 10/15/34		06/15/2019	Paydown				342,859	326,693				(326,693)						39,886	10/15/2034	1
3137FH-3A-9	FHR 4822 SA SC 10 INV NTL PT 3.810% 05/15/35		06/15/2019	Paydown				453,501	437,070				(17,852)		419,218		(419,218)	(419,218)	53,861	05/15/2035	1
3137FJ-CM-9	FHR 4829 SA SC 10 INV NTL PT 3.310% 07/15/37		06/15/2019	Paydown				352,754	341,482				(341,482)						44,798	07/15/2037	1
3137FJ-E5-4	FHR 4835 AS INV PT 5.866% 10/15/48		06/15/2019	Paydown		1,114,165	1,114,165	1,168,307	1,167,913				(53,748)		1,114,165				27,508	10/15/2048	1
3138EP-AQ-7	FN AL6314 4.000% 02/01/45		06/01/2019	Paydown		496,202	496,202	530,626	529,438				(33,236)		496,202				8,185	02/01/2045	1
3138ER-2H-2	FN AL9775 3.500% 01/01/47		06/01/2019	Paydown		1,674,156	1,674,156	1,725,427	1,723,222				(49,066)		1,674,156				22,476	01/01/2047	1
3138ER-QZ-6	FN AL9471 4.000% 12/01/46		06/01/2019	Paydown		1,888,353	1,888,353	2,019,357	2,015,336				(126,983)		1,888,353				31,519	12/01/2046	1
3138ER-YV-6	FN AL9723 3.500% 02/01/47		06/01/2019	Paydown		4,989,056	4,989,056	5,124,696	5,118,853				(129,797)		4,989,056				71,818	02/01/2047	1
3138MB-LL-8	FN AP7530 2.500% 09/01/27		06/01/2019	Paydown		3,608	3,608	3,787	3,754				(146)		3,608				35	09/01/2027	1
3138W6-5D-4	FN AR8943 2.500% 03/01/23		06/01/2019	Paydown		989	989	1,032	1,018				(29)		989				10	03/01/2023	1
3138WD-4Z-1	FN AS4439 4.000% 02/01/45		06/01/2019	Paydown		30,914	30,914	33,059	32,995				(2,081)		30,914				516	02/01/2045	1
3138WH-YT-3	FN AS7921 3.500% 09/01/46		06/01/2019	Paydown		4,609,799	4,609,799	4,717,121	4,712,300				(102,501)		4,609,799				68,285	09/01/2046	1
3138WJ-LS-5	FN AS8436 3.500% 12/01/46		06/01/2019	Paydown		1,905,282	1,905,282	1,952,304	1,950,230				(44,947)		1,905,282				27,369	12/01/2046	1
313920-A2-6	FNR 2001-42 ZG Z SEQ 6.500% 09/25/31		06/01/2019	Paydown		40,397	40,397	37,683	39,526				872		40,397				1,084	09/25/2031	1
313920-C7-3	FNR 2001-42 ZL Z SEQ 6.500% 09/25/31		06/01/2019	Paydown		17,029	17,029	15,720	16,666				363		17,029				457	09/25/2031	1
313920-LC-2	FNR 2001-36 Z Z SEQ 7.000% 08/25/31		06/01/2019	Paydown		20,804	20,804	20,008	20,542				262		20,804				599	08/25/2031	1
313921-7E-2	FNR 2001-78 D SEQ 6.000% 12/25/31		06/01/2019	Paydown		56,959	56,959	55,994	56,299				660		56,959				1,497	12/25/2031	1
313921-E5-3	FNR 2001-59 TE AD PAC-11 6.000% 11/25/31		06/01/2019	Paydown		43,144	43,144	42,861	42,869				275		43,144				1,078	11/25/2031	1
313921-ED-6	FNR 2001-54 PK PAC-11 6.500% 10/25/31		06/01/2019	Paydown		18,735	18,735	18,536	18,542				193		18,735				509	10/25/2031	1
313921-LF-3	FNR 2001-52 ZM Z SEQ 6.500% 10/25/31		06/01/2019	Paydown		29,527	29,527	27,013	28,862				665		29,527				852	10/25/2031	1
313921-MX-3	FNR 2001-52 HD AD PAC-11 6.500% 10/25/31		06/01/2019	Paydown		31,008	31,008	31,444	31,008						31,008				902	10/25/2031	1
313921-P7-7	FNR 2001-61 ZP Z PAC-11 6.500% 11/25/31		06/01/2019	Paydown		52,309	52,309	50,388	51,660				649		52,309				1,580	11/25/2031	1
313921-W9-5	FNR 2001-60 ZA Z SEQ 7.000% 11/25/31		06/01/2019	Paydown		329,228	329,228	326,862	327,222				2,006		329,228				9,685	11/25/2031	1
31392A-4Q-8	FNR 2001-69 PQ EXCH PAC 6.000% 12/25/31		06/01/2019	Paydown		86,678	86,678	85,979	86,126				551		86,678				2,084	12/25/2031	1
31392A-6Q-6	FNR 2001-82 Z Z 6.500% 01/25/32		06/01/2019	Paydown		42,228	42,228	39,324	41,404				823		42,228				1,147	01/25/2032	1
31392A-F3-7	FNR 2001-73 EZ Z PAC-11 SEQ SEQ 6.000% 12/25/31		06/01/2019	Paydown		87,914	87,914	80,387	85,956				1,958		87,914				2,212	12/25/2031	1
31392A-FF-0	FNR 2001-64 ZG Z SEQ 6.000% 11/25/31		06/01/2019	Paydown		32,132	32,132	28,477	30,950				1,182		32,132				814	11/25/2031	1
31392A-G2-8	FNR 2001-73 PZ Z PAC-11 SEQ SEQ 6.000% 12/25/31		06/01/2019	Paydown		220,490	220,490	194,858	214,352				6,138		220,490				5,548	12/25/2031	1
31392A-HX-8	FNR 2001-64 QH EXCH PAC 6.000% 11/25/31		06/01/2019	Paydown		93,345	93,345	92,099	92,135				1,210		93,345				2,434	11/25/2031	1
31392A-LS-5	FNR 2001-50 NZ Z PAC-11 6.000% 11/25/31		06/01/2019	Paydown		73,747	73,747	65,727	71,864				1,882		73,747				1,955	11/25/2031	1
31392A-MP-0	FNR 2001-50 DZ Z PAC-11 6.500% 11/25/31		06/01/2019	Paydown		31,405	31,405	30,089	30,979				426		31,405				868	11/25/2031	1
31392A-PJ-6	FNR 2001-74 PZ Z PAC-11 6.000% 12/25/31		06/01/2019	Paydown		342,490	342,490	311,737	334,858				7,633		342,490				8,617	12/25/2031	1
31392A-SN-9	FNR 2001-74 QE EXCH PAC 6.000% 12/25/31		06/01/2019	Paydown		33,091	33,091	32,729	32,846				245		33,091				833	12/25/2031	1
31392A-UP-1	FNR 2001-63 ZP Z PAC-11 6.000% 12/25/31		06/01/2019	Paydown		118,851	118,851	106,130	115,938				2,912		118,851				3,046	12/25/2031	1
31392A-WX-2	FNR 2001-71 PZ Z PAC-11 6.000% 12/25/31		06/01/2019	Paydown		50,547	50,547	46,693	49,453				1,094		50,547				1,296	12/25/2031	1
31392B-CT-1	FNR 2001-70 LZ Z PAC-11 6.000% 12/25/31		06/01/2019	Paydown		300,092	300,092	272,427	293,389				6,703		300,092				7,663	12/25/2031	1
31392B-EG-7	FNR 2001-70 PL EXCH PAC 6.000% 12/25/31		06/01/2019	Paydown		279,749	279,749	277,605	277,652				2,097		279,749				6,527	12/25/2031	1
31392B-FH-4	FNR 2001-70 GM EXCH SEQ 6.000% 12/25/31		06/01/2019	Paydown		49,687	49,687	49,103	49,128				559		49,687				1,257	12/25/2031	1
31392C-K7-4	FNR 2002-27 Z Z SEQ 6.000% 05/25/32		06/01/2019	Paydown		34,188	34,188	29,594	32,837				1,352		34,188				861	05/25/2032	1
31392C-YS-7	FNR 2002-32 QH PAC-11 6.500% 05/25/32		06/01/2019	Paydown		70,018	70,018	70,193	70,018						70,018				1,881	05/25/2032	1
31392D-EP-3	FNR 2002-35 BH PAC-11 6.500% 06/25/32		06/01/2019	Paydown		164,152	164,152	164,716	164,152						164,152				4,464	06/25/2032	1
31392E-2X-7	FNR 2002-62 QD PAC-11 5.500% 11/25/32		06/01/2019	Paydown		98,689	98,689	97,843	97,862				827		98,689				2,331	11/25/2032	1
31392E-EQ-9	FNR 2002-55 ZJ Z SEQ 6.000% 09/25/32		06/01/2019	Paydown		68,113	68,113	64,069	66,467				1,646		68,113				1,777	09/25/2032	1
31392E-FR-6	FNR 2002-55 OP EXCH PAC 6.000% 09/25/32		06/01/2019	Paydown		66,971	66,971	66,814	66,805				166		66,971				1,626	09/25/2032	1
31392E-N9-7	FNR 2002-64 Z Z SEQ 5.500% 10/25/32		06/01/2019	Paydown		54,677	54,677	50,747	53,135				1,542		54,677				1,253	10/25/2032	1
31392E-PC-8	FNR 2002-58 PG EXCH PAC-11 6.000% 09/25/32		06/01/2019	Paydown		104,372	104,372	104,372	104,372						104,372				2,574	09/25/2032	1
31392E-QH-6	FNR 2002-56 KZ Z SEQ 6.000% 09/25/32		06/01/2019	Paydown		81,163	81,163	73,554	79,060				2,103		81,163				1,691	09/25/2032	1

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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	NAIC Design-ation and Admini-strative Symbol /Market Indicator (a)
31392E-QW-8	FNR 2002-56 VZ Z SEQ 6.000% 09/25/32		06/01/2019	Paydown		61,281	61,281	57,336	59,883		1,398		1,398		61,281				1,576	09/25/2032	1
31392E-ZQ-6	FNR 2002-63 BE PAC-11 6.000% 10/25/32		06/01/2019	Paydown		110,168	110,168	111,252	110,193		(25)		(25)		110,168				2,777	10/25/2032	1
31392F-F6-9	FNR 2002-84 PD PAC-11 5.500% 12/25/32		06/01/2019	Paydown		333,417	333,417	329,987	330,049		3,368		3,368		333,417				7,177	12/25/2032	1
	FNR 2002-73 QG EXCH PAC-11 5.500% 11/25/32																				
31392F-JS-7			06/01/2019	Paydown		68,221	68,221	66,862	66,898		1,322		1,322		68,221				1,636	11/25/2032	1
31392F-QA-8	FNR 2002-74 ZC SC Z SEQ 6.000% 11/25/31		06/01/2019	Paydown		129,884	129,884	126,921	128,524		1,359		1,359		129,884				3,252	11/25/2031	1
31392F-VG-9	FNR 2002-86 JD PAC-11 5.500% 12/25/32		06/01/2019	Paydown		190,483	190,483	187,457	187,534		2,949		2,949		190,483				4,666	12/25/2032	1
31392F-W5-2	FNR 2002-82 AJ EXCH SEQ 5.500% 12/25/32		06/01/2019	Paydown		109,170	109,170	107,459	107,512		1,658		1,658		109,170				2,603	12/25/2032	1
31392F-WZ-6	FNR 2002-86 MB EXCH SEQ 5.500% 12/25/32		06/01/2019	Paydown		66,583	66,583	65,296	65,328		1,256		1,256		66,583				1,645	12/25/2032	1
	FNR 2002-82 QE EXCH PAC-11 5.500% 12/25/32																				
31392F-X9-3			06/01/2019	Paydown		213,043	213,043	209,594	209,704		3,339		3,339		213,043				4,518	12/25/2032	1
31392G-AS-4	FNR 2002-81 ZB Z PAC-11 5.500% 12/25/32		06/01/2019	Paydown		331,533	331,533	336,506	331,533						331,533				7,659	12/25/2032	1
31392G-LG-8	FNR 2002-83 KB EXCH SEQ 5.500% 12/25/32		06/01/2019	Paydown		312,148	312,148	307,111	307,237		4,911		4,911		312,148				6,807	12/25/2032	1
	FNR 2002-93 CN EXCH PAC-11 5.500% 01/25/33																				
31392G-SE-6			06/01/2019	Paydown		697,032	697,032	688,314	688,498		8,534		8,534		697,032				16,763	01/25/2033	1
	FNR 2002-92 QG EXCH PAC-11 5.500% 01/25/33																				
31392H-DA-8			06/01/2019	Paydown		513,417	513,417	508,555	508,681		4,736		4,736		513,417				11,308	01/25/2033	1
31392H-DT-7	FNR 2002-97 PH PAC-11 5.500% 01/25/33		06/01/2019	Paydown		454,560	454,560	450,313	450,398		4,163		4,163		454,560				10,714	01/25/2033	1
31392H-ER-0	FNR 2002-97 CG PAC-11 5.500% 01/25/33		06/01/2019	Paydown		167,412	167,412	166,418	166,446		967		967		167,412				4,115	01/25/2033	1
31392H-JB-0	FNR 2002-95 MJ PAC-11 5.500% 01/25/33		06/01/2019	Paydown		295,952	295,952	291,501	291,613		4,338		4,338		295,952				7,044	01/25/2033	1
31392H-PZ-0	FNR 2003-11 BM EXCH SEQ 5.500% 02/25/33		06/01/2019	Paydown		67,705	67,705	66,669	66,695		1,010		1,010		67,705				1,666	02/25/2033	1
31392H-QW-6	FNR 2003-4 B SEQ 5.500% 02/25/33		06/01/2019	Paydown		645,787	645,787	636,068	636,316		9,471		9,471		645,787				15,025	02/25/2033	1
31392H-SL-8	FNR 2003-1 B SEQ 5.500% 02/25/33		06/01/2019	Paydown		139,123	139,123	137,222	137,269		1,854		1,854		139,123				3,537	02/25/2033	1
31392H-U7-6	FNR 2003-8 PG EXCH PAC-11 5.500% 02/25/33		06/01/2019	Paydown		587,805	587,805	581,809	582,232		5,572		5,572		587,805				13,373	02/25/2033	1
31392H-V6-7	FNR 2003-8 EY EXCH SEQ 5.500% 02/25/33		06/01/2019	Paydown		219,663	219,663	217,280	217,326		2,337		2,337		219,663				5,576	02/25/2033	1
31392H-V9-1	FNR 2003-8 ME EXCH SEQ 5.500% 02/25/33		06/01/2019	Paydown		287,061	287,061	284,452	284,499		2,563		2,563		287,061				6,845	02/25/2033	1
31392J-LN-7	FNR 2003-15 PG PAC-11 5.500% 03/25/33		06/01/2019	Paydown		114,345	114,345	111,842	111,899		2,445		2,445		114,345				2,560	03/25/2033	1
31392K-KC-9	FHR 2453 ZN Z SEQ 6.500% 05/15/32		06/01/2019	Paydown		27,068	27,068	25,021	26,465		602		602		27,068				804	05/15/2032	1
31392K-KG-0	FHR 2453 ZL Z SEQ 6.500% 05/15/32		06/01/2019	Paydown		45,934	45,934	43,192	45,141		793		793		45,934				1,222	05/15/2032	1
31392K-S2-3	FHR 2449 ZA Z SEQ 6.500% 05/15/32		06/01/2019	Paydown		282,763	282,763	265,355	276,699		6,064		6,064		282,763				7,882	05/15/2032	1
31392K-UP-9	FHR 2444 PH EXCH PAC-1-11 6.500% 05/15/32		06/01/2019	Paydown		76,824	76,824	76,442	76,422		401		401		76,824				1,957	05/15/2032	1
31392K-VN-3	FHR 2444 AZ Z SEQ 6.500% 05/15/32		06/01/2019	Paydown		31,390	31,390	29,546	30,878		512		512		31,390				875	05/15/2032	1
31392M-4X-7	FHR 2448 QN EXCH PAC-11 6.500% 05/15/32		06/01/2019	Paydown		49,489	49,489	49,914	49,517		(28)		(28)		49,489				1,351	05/15/2032	1
31392M-AF-9	FHR 2448 ZE Z SEQ 6.500% 05/15/32		06/01/2019	Paydown		185,672	185,672	173,255	182,192		3,480		3,480		185,672				5,285	05/15/2032	1
31392M-PM-8	FHR 2466 ZH Z SEQ 6.000% 06/15/32		06/01/2019	Paydown		24,154	24,154	23,807	24,001		153		153		24,154				601	06/15/2032	1
31392M-PN-6	FHR 2466 ZE Z SEQ 6.500% 06/15/32		06/01/2019	Paydown		144,363	144,363	135,205	141,630		2,734		2,734		144,363				4,162	06/15/2032	1
31392M-WE-8	FHR 2464 Z Z SEQ 6.500% 06/15/32		06/01/2019	Paydown		108,750	108,750	101,607	106,683		2,067		2,067		108,750				2,642	06/15/2032	1
31392P-4B-8	FHR 2458 PG EXCH PAC-1-11 6.500% 06/15/32		06/01/2019	Paydown		13,929	13,929	14,016	13,928		1		1		13,929				381	06/15/2032	1
31392P-AD-7	FHR 2458 ZD Z SEQ 6.500% 06/15/32		06/01/2019	Paydown		61,650	61,650	57,354	60,372		1,278		1,278		61,650				1,833	06/15/2032	1
31392P-AF-2	FHR 2458 ZK Z SEQ 6.500% 06/15/32		06/01/2019	Paydown		31,234	31,234	29,106	30,450		783		783		31,234				841	06/15/2032	1
31392P-ED-3	FHR 2456 QZ Z SEQ 6.000% 06/15/32		06/01/2019	Paydown		127,631	127,631	115,745	123,943		3,688		3,688		127,631				3,406	06/15/2032	1
31392P-GS-8	FHR 2459 DZ Z SEQ 6.500% 06/15/32		06/01/2019	Paydown		56,946	56,946	53,298	55,993		954		954		56,946				1,546	06/15/2032	1
31392P-H7-3	FHR 2459 GV EXCH PAC-1-11 6.500% 06/15/32		06/01/2019	Paydown		199,459	199,459	200,846	199,459						199,459				6,049	06/15/2032	1
31392P-HM-0	FHR 2459 LZ Z SEQ 6.500% 06/15/32		06/01/2019	Paydown		83,821	83,821	78,661	82,237		1,585		1,585		83,821				1,916	06/15/2032	1
31392P-QK-4	FHR 2486 AL EXCH SEQ 6.000% 07/15/32		06/01/2019	Paydown																	

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
31392T-NJ-7	FHR 2481 PG EXCH PAC-11 6.000% 08/15/32		06/01/2019	Paydown		133,569	133,569	132,671	132,695			874	874		133,569				3,224	08/15/2032	1
31392T-P2-7	FHR 2481 ZC Z SEQ 6.000% 08/15/32		06/01/2019	Paydown		171,912	171,912	160,308	167,915			3,997	3,997		171,912				4,216	08/15/2032	1
31392U-3A-0	FHR 2479 PG EXCH PAC-1-11 6.000% 08/15/32		06/01/2019	Paydown		165,650	165,650	164,342	164,374			1,277	1,277		165,650				4,050	08/15/2032	1
31392U-BC-7	FHR 2511 Z Z SEQ 5.500% 09/15/32		06/01/2019	Paydown		159,530	159,530	145,372	154,320			5,210	5,210		159,530				3,640	09/15/2032	1
31392U-P6-5	FHR 2503 JZ Z PAC-1-11 5.500% 09/15/32		06/01/2019	Paydown		178,750	178,750	163,556	175,124			3,626	3,626		178,750				4,083	09/15/2032	1
31392U-W6-7	FHR 2500 PG EXCH PAC-1-11 6.000% 09/15/32		06/01/2019	Paydown		93,053	93,053	94,093	93,209			(156)	(156)		93,053				2,314	09/15/2032	1
31392U-WM-8	FHR 2500 KC SEQ 6.000% 09/15/32		06/01/2019	Paydown		8,850	8,850	8,809	8,814			36	36		8,850				222	09/15/2032	1
31392V-3P-5	FHR 2494 HJ PAC-11 6.000% 09/15/32		06/01/2019	Paydown		180,591	180,591	183,977	181,381			(790)	(790)		180,591				4,895	09/15/2032	1
31392V-GQ-9	FHR 2497 JH EXCH PAC-11 6.000% 09/15/32		06/01/2019	Paydown		19,099	19,099	19,117	19,099						19,099				474	09/15/2032	1
31392W-JR-2	FHR 2509 ZG Z SEQ 5.500% 10/15/32		06/01/2019	Paydown		170,871	170,871	157,415	166,385			4,486	4,486		170,871				3,994	10/15/2032	1
31392W-JS-0	FHR 2509 TZ Z PAC-1-11 5.500% 10/15/32		06/01/2019	Paydown		224,669	224,669	201,781	219,063			5,606	5,606		224,669				4,859	10/15/2032	1
31392W-JU-5	FHR 2509 ZQ Z SEQ 5.500% 10/15/32		06/01/2019	Paydown		162,163	162,163	148,937	154,934			7,229	7,229		162,163				3,602	10/15/2032	1
31392W-JV-3	FHR 2509 ZE Z SEQ 6.000% 10/15/32		06/01/2019	Paydown		283,560	283,560	280,348	282,133			1,426	1,426		283,560				6,638	10/15/2032	1
31392W-LD-0	FHR 2509 QG PAC-1-11 5.500% 10/15/32		06/01/2019	Paydown		64,174	64,174	63,612	63,737			437	437		64,174				1,612	10/15/2032	1
31392W-MN-7	FHR 2515 BD SEQ 5.500% 10/15/32		06/01/2019	Paydown		37,040	37,040	36,529	36,542			498	498		37,040				850	10/15/2032	1
31392W-MT-4	FHR 2515 GE EXCH PAC-1-11 5.500% 10/15/32		06/01/2019	Paydown		105,910	105,910	103,535	103,595			2,315	2,315		105,910				2,427	10/15/2032	1
31392W-O3-7	FHR 2518 PG EXCH PAC-1-11 5.500% 10/15/32		06/01/2019	Paydown		127,473	127,473	126,418	126,448			1,026	1,026		127,473				2,974	10/15/2032	1
31392W-QU-7	FHR 2518 PZ Z PAC-1-11 5.500% 10/15/32		06/01/2019	Paydown		254,945	254,945	229,690	249,218			5,727	5,727		254,945				5,948	10/15/2032	1
31392W-TB-6	FHR 2510 PQ PAC-11 5.500% 10/15/32		06/01/2019	Paydown		141,098	141,098	140,199	140,221			878	878		141,098				3,388	10/15/2032	1
31392W-VR-8	FHR 2510 NZ Z SEQ 6.000% 10/15/32		06/01/2019	Paydown		250,041	250,041	247,618	248,733			1,308	1,308		250,041				6,562	10/15/2032	1
31392X-2H-0	FHR 2517 ZD Z SEQ 5.500% 10/15/32		06/01/2019	Paydown		120,543	120,543	112,293	117,830			2,713	2,713		120,543				2,750	10/15/2032	1
31392X-2K-3	FHR 2517 ZH Z SEQ 6.000% 10/15/32		06/01/2019	Paydown		77,394	77,394	76,644	76,981			413	413		77,394				1,848	10/15/2032	1
31392X-B7-2	FHR 2513 PZ Z PAC-11 6.000% 02/15/32		06/01/2019	Paydown		258,151	258,151	257,667	257,658			493	493		258,151				6,460	02/15/2032	1
31392X-CX-4	FHR 2513 GJ PAC-11 5.500% 10/15/32		06/01/2019	Paydown		59,845	59,845	59,098	59,120			725	725		59,845				1,372	10/15/2032	1
31392X-EX-2	FHR 2513 ZC Z SEQ 5.500% 10/15/32		06/01/2019	Paydown		183,313	183,313	168,906	178,868			4,445	4,445		183,313				4,094	10/15/2032	1
31392X-NF-1	FHR 2523 PH PAC-11 5.500% 11/15/32		06/01/2019	Paydown		41,375	41,375	40,983	40,994			381	381		41,375				959	11/15/2032	1
31392X-R5-9	FHR 2525 HC SEQ 5.500% 11/15/32		06/01/2019	Paydown		106,155	106,155	103,767	103,851			2,304	2,304		106,155				2,742	11/15/2032	1
31392X-RA-8	FHR 2525 BH PAC-1-11 5.500% 11/15/32		06/01/2019	Paydown		160,758	160,758	157,688	157,789			2,970	2,970		160,758				3,949	11/15/2032	1
31393A-E4-5	FNR 2003-24 MZ Z PAC-11 5.500% 04/25/33		06/01/2019	Paydown		207,186	207,186	207,605	194,377			12,809	12,809		207,186				4,871	04/25/2033	1
31393A-J6-3	FNR 2003-26 PD PAC-11 5.500% 04/25/33		06/01/2019	Paydown		175,909	175,909	182,148	176,974			(1,065)	(1,065)		175,909				4,066	04/25/2033	1
31393A-N4-5	FNR 2003-24 UY EXCH SEQ 5.000% 04/25/33		06/01/2019	Paydown		206,220	206,220	205,640	205,633			587	587		206,220				4,221	04/25/2033	1
31393A-QQ-3	FNR 2003-25 B SEQ 5.500% 04/25/33		06/01/2019	Paydown		300,052	300,052	297,425	297,619			2,433	2,433		300,052				6,583	04/25/2033	1
31393A-UD-7	FNR 2003-27 EK SEQ 5.000% 04/25/33		06/01/2019	Paydown		258,508	258,508	247,696	248,040			10,468	10,468		258,508				5,838	04/25/2033	1
31393A-VZ-7	FNR 2003-30 JE PAC-11 5.500% 04/25/33		06/01/2019	Paydown		189,731	189,731	189,553	189,514			217	217		189,731				4,158	04/25/2033	1
31393B-2B-0	FNR 2003-56 DA SEQ 5.500% 06/25/33		06/01/2019	Paydown		430,686	430,686	431,763	430,686						430,686				9,211	06/25/2033	1
31393B-3F-0	FNR 2003-51 PJ PAC-11 5.500% 06/25/33		06/01/2019	Paydown		121,128	121,128	118,105	118,181			2,947	2,947		121,128				2,786	06/25/2033	1
31393B-4S-1	FNR 2003-50 PH PAC-11 5.500% 06/25/33		06/01/2019	Paydown		520,131	520,131	507,125	507,424			12,707	12,707		520,131				12,581	06/25/2033	1
31393B-C5-2	FNR 2003-41 QD EXCH PAC-11 5.500% 05/25/33		06/01/2019	Paydown		147,126	147,126	147,126	147,126						147,126				3,381	05/25/2033	1
31393B-PH-2	FNR 2003-32 T EXCH Z SEQ 6.000% 05/25/33		06/01/2019	Paydown		792,197	792,197	791,207	791,032			1,166	1,166		792,197				20,369	05/25/2033	1
31393B-SY-2	FNR 2003-42 PF PAC-11 5.500% 05/25/33		06/01/2019	Paydown		73,443	73,443	75,371	74,077			(634)	(634)		73,443				1,867	05/25/2033	1
31393C-BM-4	FNR 2003-34 EW PAC-11 5.500% 05/25/33		06/01/2019	Paydown		172,257	172,257	171,072	171,231			1,026	1,026		172,257				3,938	05/25/2033	1
31393C-JB-0	FNR 2003-54 VZ Z SEQ 5.500% 06/																				

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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	NAIC Desig- nation and Admini- strative Symbol /Market Indicator (a)
31393D-SU-6	FNR 2003-63 QE PAC-11 5.000% 07/25/33		06/01/2019	Paydown		418,127	418,127	426,751	420,807		(2,680)		(2,680)		418,127				9,656	07/25/2033	1
31393D-UU-3	FNR 2003-W10 3AS SEQ 4.299% 06/25/43		06/01/2019	Paydown		383,451	383,451	383,423	383,293			158	158		383,451				6,735	06/25/2043	1
31393D-ZK-0	FNR 2003-73 GC SEQ 5.000% 08/25/33		06/01/2019	Paydown		593,265	593,265	588,148	588,471			4,794	4,794		593,265				12,241	08/25/2033	1
31393E-BJ-7	FNR 2003-74 ZG Z SEQ 5.500% 08/25/33		06/01/2019	Paydown		340,862	340,862	309,546	335,305			5,557	5,557		340,862				7,148	08/25/2033	1
31393E-JK-6	FNR 2003-71 AC SEQ 5.000% 08/25/33		06/01/2019	Paydown		44,395	44,395	41,500	41,585			2,810	2,810		44,395				926	08/25/2033	1
31393E-RA-9	FNR 2003-91 BY SEQ 5.000% 09/25/33		06/01/2019	Paydown		465,289	465,289	443,532	444,035			21,254	21,254		465,289				10,108	09/25/2033	1
	FNR 2003-91 QE EXCH PAC-11 5.500% 09/25/33																				
31393E-RJ-0			06/01/2019	Paydown		275,703	275,703	268,395	268,559			7,144	7,144		275,703				6,303	09/25/2033	1
31393E-SV-2	FNR 2003-83 Z Z SEQ 5.500% 09/25/33		06/01/2019	Paydown		254,825	254,825	207,682	239,477			15,348	15,348		254,825				5,829	09/25/2033	1
31393E-X8-7	FNR 2003-85 QD PAC-11 5.500% 09/25/33		06/01/2019	Paydown		550,413	550,413	518,592	540,432			9,981	9,981		550,413				12,384	09/25/2033	1
31393E-ZY-8	FNR 2003-94 PH PAC-11 5.500% 10/25/33		06/01/2019	Paydown		588,530	588,530	573,415	573,756			14,774	14,774		588,530				13,285	10/25/2033	1
31393F-5J-1	FHR 2522 B EXCH SEQ 5.500% 11/15/32		06/01/2019	Paydown		120,257	120,257	119,388	119,410			847	847		120,257				2,753	11/15/2032	1
31393F-B4-7	FHR 2519 BN EXCH SEQ 5.500% 11/15/32		06/01/2019	Paydown		42,584	42,584	42,145	42,310			274	274		42,584				1,006	11/15/2032	1
31393F-BW-5	FHR 2519 LE EXCH SEQ 5.500% 11/15/32		06/01/2019	Paydown		186,395	186,395	183,960	184,027			2,368	2,368		186,395				4,085	11/15/2032	1
31393F-FJ-0	FHR 2526 Z Z SEQ 5.500% 11/15/32		06/01/2019	Paydown		24,776	24,776	23,282	24,187			589	589		24,776				579	11/15/2032	1
31393F-H9-0	FHR 2527 ZW Z SEQ 5.500% 11/15/32		06/01/2019	Paydown		203,390	203,390	192,394	199,610			3,780	3,780		203,390				4,666	11/15/2032	1
31393F-NN-2	FHR 2532 C SEQ 5.500% 12/15/32		06/01/2019	Paydown		116,067	116,067	113,639	113,701			2,366	2,366		116,067				2,895	12/15/2032	1
31393F-PY-6	FHR 2544 TJ EXCH SEQ 5.500% 12/15/32		06/01/2019	Paydown		93,267	93,267	92,081	92,109			1,158	1,158		93,267				2,266	12/15/2032	1
31393F-PP-3	FHR 2544 PE PAC-11 5.500% 12/15/32		06/01/2019	Paydown		180,489	180,489	178,147	178,198			2,291	2,291		180,489				4,327	12/15/2032	1
31393F-VK-9	FHR 2534 BG PAC-11 5.500% 12/15/32		06/01/2019	Paydown		105,682	105,682	104,942	104,960			722	722		105,682				2,700	12/15/2032	1
31393G-3L-6	FHR 2531 Z Z SEQ 5.500% 12/15/32		06/01/2019	Paydown		368,746	368,746	353,766	364,048			4,698	4,698		368,746				8,624	12/15/2032	1
31393G-6C-3	FHR 2538 PG PAC-1-11 5.500% 12/15/32		06/01/2019	Paydown		131,750	131,750	130,112	130,156			1,594	1,594		131,750				3,059	12/15/2032	1
31393G-CB-8	FHR 2545 GD SEQ 5.500% 12/15/32		06/01/2019	Paydown		288,123	288,123	281,496	281,684			6,439	6,439		288,123				6,643	12/15/2032	1
31393G-DM-3	FHR 2545 BZ Z SEQ 5.500% 12/15/32		06/01/2019	Paydown		230,860	230,860	221,265	227,524			3,337	3,337		230,860				5,312	12/15/2032	1
31393G-E7-5	FHR 2545 DG PAC-11 5.500% 12/15/32		06/01/2019	Paydown		156,603	156,603	162,549	157,668			(1,065)	(1,065)		156,603				3,572	12/15/2032	1
31393G-JF-2	FHR 2542 PH PAC-11 5.500% 12/15/32		06/01/2019	Paydown		63,764	63,764	63,211	63,224			540	540		63,764				1,474	12/15/2032	1
31393G-UM-4	FHR 2545 PG EXCH PAC-11 5.500% 12/15/32		06/01/2019	Paydown		211,888	211,888	215,216	212,990			(1,101)	(1,101)		211,888				5,576	12/15/2032	1
31393G-VD-3	FHR 2533 GB EXCH SEQ 5.500% 12/15/32		06/01/2019	Paydown		237,452	237,452	233,673	233,793			3,659	3,659		237,452				5,023	12/15/2032	1
31393H-AQ-5	FHR 2543 TG EXCH PAC 5.500% 12/15/32		06/01/2019	Paydown		366,740	366,740	365,912	365,796			944	944		366,740				8,414	12/15/2032	1
31393H-EU-2	FHR 2543 PG EXCH PAC-11 5.500% 12/15/32		06/01/2019	Paydown		68,528	68,528	68,099	68,220			307	307		68,528				1,616	12/15/2032	1
31393H-GW-6	FHR 2543 YX EXCH PAC-1-11 6.000% 12/15/32		06/01/2019	Paydown		23,072	23,072	22,598	22,610			462	462		23,072				635	12/15/2032	1
31393H-KG-6	FHR 2563 PC PAC-1-11 5.500% 01/15/33		06/01/2019	Paydown		126,345	126,345	128,912	127,120			(775)	(775)		126,345				2,835	01/15/2033	1
31393H-TL-6	FHR 2548 OB SEQ 5.500% 01/15/33		06/01/2019	Paydown		101,631	101,631	100,214	100,256			1,374	1,374		101,631				2,364	01/15/2033	1
31393H-U8-3	FHR 2548 OM EXCH SEQ 5.500% 01/15/33		06/01/2019	Paydown		180,966	180,966	177,995	178,085			2,881	2,881		180,966				4,210	01/15/2033	1
31393H-XU-1	FHR 2550 AB EXCH SEQ 5.500% 01/15/33		06/01/2019	Paydown		95,305	95,305	94,094	94,138			1,167	1,167		95,305				2,229	01/15/2033	1
31393H-Z6-2	FHR 2550 PH PAC-11 5.500% 01/15/33		06/01/2019	Paydown		332,998	332,998	333,830	332,998						332,998				7,230	01/15/2033	1
31393J-4A-3	FHR 2554 JZ Z SEQ 5.500% 01/15/33		06/01/2019	Paydown		76,853	76,853	70,885	74,579			2,274	2,274		76,853				1,813	01/15/2033	1
31393J-6C-7	FHR 2556 KZ Z SEQ 5.500% 01/15/33		06/01/2019	Paydown		1,352,552	1,352,552	1,325,712	1,343,405			9,147	9,147		1,352,552				30,381	01/15/2033	1
31393J-7D-4	FHR 2549 PE EXCH PAC-11 5.500% 01/15/33		06/01/2019	Paydown		372,843	372,843	377,824	374,490			(1,647)	(1,647)		372,843				8,542	01/15/2033	1
31393J-CC-0	FHR 2551 TG PAC-1-11 5.500% 01/15/33		06/01/2019	Paydown		222,933	222,933	225,685	223,669			(736)	(736)		222,933				5,162	01/15/2033	1
31393J-LB-2	FHR 2557 ZA Z SEQ 5.500% 01/15/33		06/01/2019	Paydown		59,456	59,456	54,133	57,745			1,711	1,711		59,456				1,392	01/15/2033	1
31393J-X9-4	FHR 2561 PH EXCH PAC-11 5.500% 02/15/33		06/01/2019	Paydown		57,446	57,446	57,796	57,525			(79)	(79)		57,446				1,315	02/15/2033	1
31393K-TJ-8	FHR 2567 PH PAC-1-11 5.500% 02/15/33																				

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 4

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

1	2	3	4	5	6	7	8	9	10	Change In Book/Adjusted Carrying Value					16	17	18	19	20	21	22
										11	12	13	14	15							
CUSIP Ident-ification	Description	For-foreign	Disposal Date	Name of Purchaser	Number of Shares of Stock	Consid-eration	Par Value	Actual Cost	Prior Year Book/ Adjusted Carrying Value	Unrealized Valuation Increase/(Decrease)	Current Year's (Amor-tization)/ Accretion	Current Year's Other Than Temporary Impairment Recogn-ized	Total Change in Book/ Adjusted Carrying Value (11 + 12 - 13)	Total Foreign Exchange Change in Book /Adjusted Carrying Value	Book/ Adjusted Carrying Value at Disposal Date	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal	Bond Interest/ Stock Dividends Received During Year	Stated Con-tractual Maturity Date	NAIC Desig-nation and Admini-strative Symbol /Market Indicator (a)
31393L-Z9-7	FHR 2581 PH PAC-11 5.500% 03/15/33		06/01/2019	Paydown		268,108	268,108	266,224	266,337		1,772		1,772		268,108				6,036	03/15/2033	1
31393M-ZW-0	FHR 2588 DE PAC-11 5.500% 03/15/33		06/01/2019	Paydown		121,602	121,602	123,825	122,295		(694)		(694)		121,602				2,471	03/15/2033	1
31393M-B3-4	FHR 2579 LZ EXCH Z SEQ 5.500% 03/15/33		06/01/2019	Paydown		74,868	74,868	69,159	72,120		2,748		2,748		74,868				1,860	03/15/2033	1
31393M-EG-2	FHR 2591 PD PAC-1-11 5.500% 03/15/33		06/01/2019	Paydown		419,168	419,168	419,954	419,168						419,168				9,556	03/15/2033	1
31393M-FM-8	FHR 2591 WD PAC-1-11 5.500% 03/15/33		06/01/2019	Paydown		352,076	352,076	348,885	350,776		1,300		1,300		352,076				7,999	03/15/2033	1
31393M-J8-5	FHR 2585 MG EXCH PAC-1-11 5.500% 03/15/33		06/01/2019	Paydown		231,995	231,995	228,914	228,999		2,995		2,995		231,995				4,767	03/15/2033	1
31393M-KB-6	FHR 2580 Z Z SEQ 5.500% 03/15/33		06/01/2019	Paydown		20,633	20,633	19,147	20,120		513		513		20,633				474	03/15/2033	1
31393M-NJ-6	FHR 2582 PG PAC-1-11 5.500% 03/15/33		06/01/2019	Paydown		284,215	284,215	286,203	284,532		(317)		(317)		284,215				6,449	03/15/2033	1
31393M-UB-5	FHR 2586 PH EXCH PAC-11 5.500% 03/15/33		06/01/2019	Paydown		432,742	432,742	432,606	432,549		192		192		432,742				10,549	03/15/2033	1
31393M-ZT-1	FHR 2583 PW PAC-11 5.500% 03/15/33		06/01/2019	Paydown		335,600	335,600	339,795	336,762		(1,163)		(1,163)		335,600				7,601	03/15/2033	1
31393N-5E-5	FHR 2589 Z Z SEQ 5.500% 03/15/33		06/01/2019	Paydown		355,413	355,413	302,601	338,632		16,781		16,781		355,413				7,635	03/15/2033	1
31393N-AH-2	FHR 2587 KG EXCH PAC-11 5.000% 03/15/33		06/01/2019	Paydown		97,018	97,018	94,305	94,369		2,649		2,649		97,018				1,998	03/15/2033	1
31393N-KJ-7	FHR 2590 PG EXCH PAC-11 5.500% 03/15/33		06/01/2019	Paydown		495,893	495,893	492,262	492,341		3,552		3,552		495,893				11,227	03/15/2033	1
31393N-LZ-0	FHR 2590 TG EXCH PAC-11 5.500% 03/15/33		06/01/2019	Paydown		306,518	306,518	309,120	307,365		(847)		(847)		306,518				7,032	03/15/2033	1
31393N-Y9-4	FHR 2596 ZL Z SEQ 5.000% 04/15/33		06/01/2019	Paydown		258,298	258,298	224,235	247,588		10,440		10,440		258,298				5,339	04/15/2033	1
31393P-26-8	FHR 2608 PH PAC-11 5.500% 04/15/33		06/01/2019	Paydown		338,312	338,312	338,629	338,312						338,312				7,711	04/15/2033	1
31393P-AY-0	FHR 2604 YD PAC-11 5.500% 04/15/33		06/01/2019	Paydown		557,302	557,302	557,999	557,302						557,302				12,689	04/15/2033	1
31393P-EZ-3	FHR 2595 PH PAC-11 5.500% 04/15/33		06/01/2019	Paydown		272,068	272,068	270,027	270,069		1,998		1,998		272,068				5,534	04/15/2033	1
31393P-L3-6	FHR 2602 UE EXCH PAC-11 5.500% 04/15/33		06/01/2019	Paydown		413,410	413,410	426,254	418,494		(5,085)		(5,085)		413,410				9,323	04/15/2033	1
31393P-NF-7	FHR 2600 ME EXCH PAC-11 5.500% 04/15/33		06/01/2019	Paydown		460,112	460,112	460,400	460,112						460,112				10,613	04/15/2033	1
31393Q-26-6	FHR 2594 G6 EXCH PAC-11 5.000% 04/15/33		06/01/2019	Paydown		188,410	188,410	188,925	188,410						188,410				4,071	04/15/2033	1
31393Q-3H-3	FHR 2594 TZ Z PAC-11 5.500% 04/15/33		06/01/2019	Paydown		732,991	732,991	702,042	723,929		9,062		9,062		732,991				16,266	04/15/2033	1
31393Q-4E-9	FHR 2594 VZ Z SEQ 5.500% 04/15/33		06/01/2019	Paydown		531,286	531,286	436,484	511,843						531,286				12,898	04/15/2033	1
31393Q-0D-7	FHR 2614 ZN Z PAC-11 5.500% 05/15/33		06/01/2019	Paydown		485,362	485,362	488,395	485,362						485,362				11,750	05/15/2033	1
31393Q-VP-4	FHR 2618 PE PAC-11 5.500% 05/15/33		06/01/2019	Paydown		529,516	529,516	542,238	535,231		(5,715)		(5,715)		529,516				12,695	05/15/2033	1
31393Q-WE-8	FHR 2618 Z Z SEQ 5.500% 05/15/33		06/01/2019	Paydown		147,404	147,404	123,635	139,906		7,498		7,498		147,404				3,657	05/15/2033	1
31393R-EJ-5	FHR 2613 GP PAC-11 5.500% 05/15/33		06/01/2019	Paydown		345,005	345,005	349,856	346,957		(1,952)		(1,952)		345,005				7,894	05/15/2033	1
31393T-DE-3	FNR 2003-89 DE PAC-11 5.000% 09/25/33		06/01/2019	Paydown		568,153	568,153	507,609	552,334		15,819		15,819		568,153				11,837	09/25/2033	1
	FNR 2003-97 WD EXCH PAC-11 6.000% 10/25/33		06/01/2019	Paydown		214,046	214,046	217,056	214,747		(701)		(701)		214,046				6,160	10/25/2033	1
31393T-PN-0			06/01/2019	Paydown		236,354	236,354	228,007	232,598		3,756		3,756		236,354				6,081	12/25/2033	1
31393U-CY-7	FNR 2003-121 ZA Z SEQ 6.000% 12/25/33		06/01/2019	Paydown		482,875	482,875	487,685	484,439		(1,564)		(1,564)		482,875				10,130	06/15/2034	1
31393V-5Q-0	FHR 2627 UE PAC-11 5.000% 06/15/33		06/01/2019	Paydown		591,207	591,207	595,456	592,455		(1,249)		(1,249)		591,207				13,501	06/15/2033	1
31393V-DY-4	FHR 2632 PE PAC-11 5.000% 06/15/33		06/01/2019	Paydown		131,500	131,500	124,278	124,499		7,001		7,001		131,500				2,853	06/15/2033	1
31393Y-HY-0	FHR 2626 PE PAC-11 5.000% 06/15/33		06/01/2019	Paydown		660,702	660,702	626,635	653,298		7,405		7,405		660,702				14,685	07/15/2033	1
31393W-2U-2	FHR 2650 BM PAC-11 5.000% 07/15/33		06/01/2019	Paydown		96,180	96,180	90,830	94,895		1,285		1,285		96,180				2,016	07/15/2033	1
31393W-2V-0	FHR 2650 BN PAC-11 5.000% 07/15/33		06/01/2019	Paydown		179,949	179,949	152,844	169,798		10,151		10,151		179,949				3,736	07/15/2033	1
31393W-U7-2	FHR 2645 Z Z SEQ 5.000% 07/15/33		06/01/2019	Paydown		398,702	398,702	392,432	392,604		6,098		6,098		398,702				8,281	07/15/2033	1
31393W-W2-1	FNR 2004-24 BY EXCH SEQ 5.000% 04/25/34		06/01/2019	Paydown		405,371	405,371	386,603	387,167		18,204		18,204		405,371				8,711	04/25/2034	1
31393Y-K0-9	FNR 2004-49 OE PAC-11 5.500% 07/25/34		06/01/2019	Paydown		282,634	282,634	280,273	280,314		2,320		2,320		282,634				6,515	07/25/2034	1
31393Y-6D-2	FNR 2004-58 Z Z SEQ 7.500% 07/25/34		06/01/2019	Paydown		68,541	68,541	77,023	70,294		(1,753)		(1,753)		68,541				2,189	07/25/2034	1
31393Y-7F-6	FNGT 2004-T4 A8 AFC SEQ PT AS 5.650% 08/25/34		06/01/2019	Paydown		351,325	351,325	336,594	337,310		14,015		14,015		351,325				7,037	08/25/2034	1
31394A-XL-5	FNR 2005-11 PG EXCH PAC-11 5.500% 02/25/35		06/01/2019	Paydown		587,865	587,865	595,765	588,710		(844)		(844)		587,865				13,450	02/25/2035	1
31394B-3L-6	FNR 2004-79 B EXCH SEQ 5.000% 11/25/34		06/01/2019	Paydown		397,985	397,985	384,128	384,538		13,447		13,447		397,985				8,337	11/25/2034	1
31394B-GT-5	FNR 2004-100 HG EXCH PAC-11 5.000% 01/25/35		06/01/2019	Paydown		464,910	464,910	453,889	454,169		10,741		10,741		464,910				10,148	01/25/2035	1
31394B-L4-4	FNR 2004-92 BE EXCH SEQ 5.000% 12/25/34		06/01/2019	Paydown		235,402	235,402	226,080	226,338		9,064		9,064		235,402				5,008	12/25/2034	1
31394B-RJ-0	FNR 2004-95 LZ Z SEQ 5.000% 01/25/35		06/01/2019	Paydown		358,043	358,043	297,624	345,292		12,752		12,752		358,043				7,563	01/25/2035	1
31394B-V9-2	FNR 2005-52 PV EXCH SC PT 5.500% 05/25/35		06/01/2019	Paydown		1,667,769	1,667,769	1,686,792	1,672,039		(4,270)		(4,270)		1,667,769				38,983	05/25/2035	1
31394D-YS-3	FNR 2005-48 OE PAC-11 5.500% 06/25/35		06/01/2019	Paydown		511,665	511,665	517,781	512,029		(364)		(364)		511,665				12,294	06/25/2035	1
31394D-ZS-2	FNR 2005-58 PZ Z PAC-11 5.500% 07/25/35		06/01/2019	Paydown		496,580	496,580	472,696	487,794		8,786		8,786		496,580				11,356	07/25/2035	1
31394E-CV-8	FNR 2005-69 KG EXCH PAC-11 5.500% 08/25/35		06/01/2019	Paydown		625,455	625,455	631,093	625,550		(94)		(94)		625,455				14,544	08/25/2035	1
31394E-R2-6	FNR 2005-59 PE EXCH PAC-11 5.500% 07/25/35		06/01/2019	Paydown		956,284	956,284	972,346	958,215		(1,932)		(1,932)		956,284				22,273	07/25/2035	1
31394E-UP-1			06/01/2019	Paydown																	

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
31394F-YG-4	FNR 2005-96 UD EXCH SEQ 5.500% 10/25/35		06/01/2019	Paydown		277,059	277,059	267,030	267,273		9,785		9,785		277,059				6,365	10/25/2035	1
31394G-HV-8	FHR 2649 OE EXCH PAC-11 5.000% 07/15/33		06/01/2019	Paydown		358,518	358,518	348,155	348,448		10,069		10,069		358,518				7,500	07/15/2033	1
31394H-4G-3	FHR 2662 PJ PAC-11 5.500% 08/15/33		06/01/2019	Paydown		143,227	143,227	141,353	141,406		1,821		1,821		143,227				3,309	08/15/2033	1
31394J-A9-8	FHR 2678 ZD Z SEQ 5.500% 09/15/33		06/01/2019	Paydown		364,016	364,016	330,117	353,771		10,245		10,245		364,016				7,833	09/15/2033	1
31394J-C2-1	FHR 2670 QH PAC-11 5.500% 09/15/33		06/01/2019	Paydown		218,316	218,316	216,959	216,984		1,332		1,332		218,316				5,323	09/15/2033	1
31394J-KA-4	FHR 2673 PE EXCH PAC-11 5.500% 09/15/33		06/01/2019	Paydown		779,298	779,298	772,556	772,719		6,578		6,578		779,298				17,956	09/15/2033	1
31394J-N3-7	FHR 2676 LH PAC-11 5.000% 09/15/33		06/01/2019	Paydown		271,181	271,181	260,613	260,919		10,262		10,262		271,181				5,254	09/15/2033	1
31394J-U6-2	FHR 2677 MG EXCH PAC-11 5.000% 09/15/33		06/01/2019	Paydown		193,414	193,414	182,709	182,952		10,462		10,462		193,414				4,328	09/15/2033	1
31394K-AQ-7	FHR 2687 PZ Z PAC-11 SEG 5.500% 10/15/33		06/01/2019	Paydown		682,177	682,177	615,238	668,892		13,285		13,285		682,177				16,256	10/15/2033	1
31394K-MX-9	FHR 2686 JL PAC-11 5.500% 10/15/33		06/01/2019	Paydown		560,832	560,832	553,251	553,437		7,395		7,395		560,832				13,290	10/15/2033	1
31394K-Q2-3	FHR 2686 WZ Z PAC-1-11 5.500% 10/15/33		06/01/2019	Paydown		579,617	579,617	524,553	566,492		13,125		13,125		579,617				13,250	10/15/2033	1
31394K-YL-2	FHR 2692 PE EXCH PAC-11 5.500% 10/15/33		06/01/2019	Paydown		646,786	646,786	635,278	635,573		11,212		11,212		646,786				15,371	10/15/2033	1
31394L-6Z-0	FHR 2695 BH PAC-11 4.500% 10/15/33		06/01/2019	Paydown		1,053,652	1,053,652	903,342	1,013,673		39,979		39,979		1,053,652				19,819	10/15/2033	1
31394L-DW-9	FHR 2691 LG EXCH PAC-11 5.500% 10/15/33		06/01/2019	Paydown		257,660	257,660	252,333	252,471		5,189		5,189		257,660				6,093	10/15/2033	1
31394L-JA-1	FHR 2691 ZJ Z SEQ 5.000% 10/15/33		06/01/2019	Paydown		394,876	394,876	321,331	365,752		29,124		29,124		394,876				9,175	10/15/2033	1
31394L-LH-3	FHR 2694 PG PAC-1-11 5.500% 10/15/33		06/01/2019	Paydown		264,604	264,604	259,837	259,957		4,647		4,647		264,604				6,521	10/15/2033	1
31394L-P4-8	FHR 2701 QH PAC-11 5.500% 11/15/33		06/01/2019	Paydown		159,582	159,582	158,983	159,011		571		571		159,582				3,806	11/15/2033	1
31394L-TV-4	FHR 2707 MG EXCH PAC-11 5.500% 11/15/33		06/01/2019	Paydown		189,953	189,953	187,915	187,967		1,986		1,986		189,953				4,309	11/15/2033	1
31394M-3B-4	FHR 2705 PE PAC-11 5.500% 11/15/33		06/01/2019	Paydown		331,647	331,647	328,900	328,957		2,690		2,690		331,647				7,703	11/15/2033	1
31394M-DB-3	FHR 2702 EN PAC-11 5.500% 11/15/33		06/01/2019	Paydown		252,317	252,317	250,249	250,289		2,028		2,028		252,317				6,461	11/15/2033	1
31394N-4X-3	FHR 2713 EJ EXCH PAC-1-11 5.500% 12/15/33		06/01/2019	Paydown		778,917	778,917	769,886	770,095		8,822		8,822		778,917				18,878	12/15/2033	1
31394N-E6-1	FHR 2718 PE EXCH PAC-11 5.500% 12/15/33		06/01/2019	Paydown		515,105	515,105	513,014	513,042		2,063		2,063		515,105				12,534	12/15/2033	1
31394N-G4-4	FHR 2718 ZW Z SEQ 5.500% 12/15/33		06/01/2019	Paydown		332,065	332,065	282,255	318,596		13,469		13,469		332,065				8,175	12/15/2033	1
31394N-P3-6	FHR 2727 Z SC Z PT 5.500% 11/15/33		06/01/2019	Paydown		629,056	629,056	526,650	582,509		46,547		46,547		629,056				14,668	11/15/2033	1
31394N-RG-5	FHR 2735 OH PAC-11 5.000% 01/15/34		06/01/2019	Paydown		201,306	201,306	196,879	196,994		4,312		4,312		201,306				3,946	01/15/2034	1
31394N-RQ-3	FHR 2735 PH PAC-11 5.500% 01/15/34		06/01/2019	Paydown		134,051	134,051	133,014	133,035		1,016		1,016		134,051				2,847	01/15/2034	1
31394P-3R-2	FHR 2740 PE PAC-11 5.500% 01/15/34		06/01/2019	Paydown		163,434	163,434	159,947	160,025		3,409		3,409		163,434				3,768	01/15/2034	1
31394P-BQ-5	FHR 2731 PH PAC-11 5.000% 01/15/34		06/01/2019	Paydown		383,669	383,669	374,912	375,145		8,523		8,523		383,669				8,224	01/15/2034	1
31394P-VQ-3	FHR 2743 OG PAC-11 5.000% 02/15/34		06/01/2019	Paydown		418,966	418,966	411,008	411,226		7,740		7,740		418,966				8,380	02/15/2034	1
31394P-XT-5	FHR 2756 Z Z SEQ 5.500% 02/15/34		06/01/2019	Paydown		225,371	225,371	189,734	212,476		12,895		12,895		225,371				4,894	02/15/2034	1
31394R-NP-0	FHR 2752 MZ EXCH Z SEQ 5.500% 02/15/34		06/01/2019	Paydown		579,458	579,458	503,242	551,383		28,075		28,075		579,458				13,078	02/15/2034	1
31394R-NJ-9	FHR 2752 XY EXCH SEQ 5.500% 02/15/34		06/01/2019	Paydown		839,420	839,420	839,420	839,420						839,420				19,073	02/15/2034	1
31394R-ZC-6	FHR 2769 QH PAC-11 5.000% 03/15/34		06/01/2019	Paydown		266,822	266,822	263,313	263,398		3,424		3,424		266,822				5,352	03/15/2034	1
31394U-6U-1	FNR 2005-120 Z Z SEQ 5.500% 01/25/36		06/01/2019	Paydown		321,666	321,666	297,541	312,294		9,372		9,372		321,666				7,445	01/25/2036	1
31394U-X6-4	FNR 2005-110 TC SEQ 5.500% 12/25/35		06/01/2019	Paydown		154,710	154,710	151,276	151,368		3,343		3,343		154,710				3,273	12/25/2035	1
31394V-CV-0	FNR 2005-117 PB PAC-11 5.500% 01/25/36		06/01/2019	Paydown		163,469	163,469	160,887	160,926		2,543		2,543		163,469				3,905	01/25/2036	1
31394V-CZ-1	FNR 2005-117 AW PAC-11 5.500% 01/25/36		06/01/2019	Paydown		241,033	241,033	237,935	237,978		3,054		3,054		241,033				5,759	01/25/2036	1
31394W-NM-6	FHR 2777 ZG Z SEQ 5.500% 04/15/34		06/01/2019	Paydown		582,458	582,458	489,788	561,503		20,955		20,955		582,458				12,469	04/15/2034	1
31394X-3E-4	FHR 2783 ME PAC-11 5.500% 04/15/34		06/01/2019	Paydown		198,148	198,148	194,869	194,954		3,195		3,195		198,148				4,563	04/15/2034	1
31394Y-2B-9	FHR 2800 DZ Z SEQ 5.500% 05/15/34		06/01/2019	Paydown		17,944	17,944	14,966	16,735		1,208		1,208		17,944				412	05/15/2034	1
31394Y-C9-3	FHR 2792 PE PAC-11 5.500% 05/15/34		06/01/2019	Paydown		121,923	121,923	121,107	121,122		801	</									

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 4

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

1	2	3	4	5	6	7	8	9	10	Change In Book/Adjusted Carrying Value					16	17	18	19	20	21	22
										11	12	13	14	15							
CUSIP Ident-ification	Description	For-foreign	Disposal Date	Name of Purchaser	Number of Shares of Stock	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 and Admini- strative Symbol /Market Indicator (a)
31395D-AY-5	FNR 2006-31 PE EXCH PAC-11 5.500% 05/25/36		06/01/2019	Paydown		134,170	134,170	130,690	130,764		3,407		3,407		134,170				3,195	05/25/2036	1
31395D-ET-2	FNR 2006-29 PD EXCH PAC-11 5.500% 05/25/36		06/01/2019	Paydown		508,308	508,308	483,210	500,455		7,853		7,853		508,308				11,680	05/25/2036	1
31395D-EV-7	FNR 2006-29 PL EXCH PAC-11 6.000% 05/25/36		06/01/2019	Paydown		497,428	497,428	493,122	493,161		4,267		4,267		497,428				11,474	05/25/2036	1
31395D-KN-8	FNR 2006-33 PH EXCH PAC-11 6.000% 05/25/36		06/01/2019	Paydown		59,830	59,830	60,204	59,905		(76)		(76)		59,830				1,498	05/25/2036	1
31395D-SF-7	FNR 2006-35 GE PAC-11 6.000% 05/25/36		06/01/2019	Paydown		122,915	124,711	122,915	122,932		1,779		1,779		124,711				3,108	05/25/2036	1
31395D-U8-0	FNR 2006-51 LB SEQ 6.000% 06/25/36		06/01/2019	Paydown		39,563	39,563	38,707	38,721		843		843		39,563				968	06/25/2036	1
31395D-V7-1	FNR 2006-51 PD PAC-11 5.500% 06/25/36		06/01/2019	Paydown		634,401	634,401	619,086	619,458		14,943		14,943		634,401				14,933	06/25/2036	1
31395D-ZF-9	FNR 2006-55 KZ Z SEQ 6.000% 06/25/36		06/01/2019	Paydown		3,938	3,938	3,640	3,794		144		144		3,938				98	06/25/2036	1
31395D-ZP-7	FNR 2006-55 PE EXCH PAC-11 6.000% 06/25/36		06/01/2019	Paydown		186,554	186,554	184,592	184,615		1,939		1,939		186,554				4,033	06/25/2036	1
31395E-DN-4	FHR 2845 MZ Z SEQ 5.000% 08/15/34		06/01/2019	Paydown		155,647	155,647	128,311	147,146		8,501		8,501		155,647				3,345	08/15/2034	1
31395E-FS-1	FHR 2838 UY SEQ 5.000% 08/15/19		05/01/2019	Paydown		6,406	6,406	6,451	6,406						6,406				111	08/15/2019	1
31395E-K6-3	FHR 2833 JG PAC-11 5.500% 08/15/34		06/01/2019	Paydown		213,894	213,894	212,655	212,672		1,223		1,223		213,894				4,956	08/15/2034	1
31395E-QL-4	FHR 2840 NG EXCH PAC-1-11 5.500% 08/15/34		06/01/2019	Paydown		182,969	182,969	181,120	181,156		1,814		1,814		182,969				4,181	08/15/2034	1
31395E-RK-5	FHR 2840 ZH Z SEQ 5.000% 08/15/34		06/01/2019	Paydown		79,026	79,026	66,777	75,011		4,016		4,016		79,026				1,636	08/15/2034	1
31395E-TJ-6	FHR 2841 PE PAC-11 5.500% 08/15/34		06/01/2019	Paydown		283,978	283,978	281,630	281,677		2,301		2,301		283,978				6,386	08/15/2034	1
31395E-FY-5	FHR 2859 PG PAC-11 5.500% 09/15/34		06/01/2019	Paydown		66,163	66,163	65,833	65,847		317		317		66,163				1,504	09/15/2034	1
31395F-JH-8	FHR 2854 PH PAC-1-11 5.500% 09/15/34		06/01/2019	Paydown		561,217	561,217	559,113	559,230		1,987		1,987		561,217				11,076	09/15/2034	1
31395F-QD-9	FHR 2858 JP PAC-11 5.500% 09/15/34		06/01/2019	Paydown		506,736	506,736	503,311	503,373		3,363		3,363		506,736				11,599	09/15/2034	1
31395F-WC-4	FHR 2856 PE PAC-11 5.500% 09/15/34		06/01/2019	Paydown		405,388	405,388	403,906	403,921		1,467		1,467		405,388				8,844	09/15/2034	1
31395G-LX-8	FHR 2878 Z Z SEQ 5.000% 10/15/34		06/01/2019	Paydown		372,592	372,592	324,155	355,851		16,711		16,711		372,592				7,876	10/15/2034	1
31395G-P2-2	FHR 2867 LH EXCH PAC-1 5.500% 10/15/34		06/01/2019	Paydown		409,831	409,831	410,855	409,831						409,831				9,306	10/15/2034	1
31395G-W4-0	FHR 2873 MG PAC-11 5.500% 10/15/34		06/01/2019	Paydown		310,036	310,036	309,261	309,267		769		769		310,036				7,309	10/15/2034	1
31395H-EB-2	FHR 2875 ME PAC-11 5.500% 10/15/34		06/01/2019	Paydown		321,470	321,470	324,383	322,302		(832)		(832)		321,470				7,548	10/15/2034	1
31395H-TU-4	FHR 2894 QE EXCH PAC-11 5.500% 11/15/34		06/01/2019	Paydown		186,736	186,736	187,203	186,736						186,736				4,186	11/15/2034	1
31395H-UQ-1	FHR 2894 Z Z SEQ 5.000% 11/15/34		06/01/2019	Paydown		207,371	207,371	175,747	196,834		10,538		10,538		207,371				4,303	11/15/2034	1
31395H-YK-0	FHR 2887 PH PAC-11 5.500% 11/15/34		06/01/2019	Paydown		302,451	302,451	301,695	301,701		750		750		302,451				6,856	11/15/2034	1
31395H-ZD-5	FHR 2886 AZ Z SEQ 5.000% 11/15/34		06/01/2019	Paydown		179,481	179,481	150,848	170,851		8,630		8,630		179,481				4,065	11/15/2034	1
31395J-7D-2	FHR 2881 HG PAC-11 5.500% 11/15/34		06/01/2019	Paydown		101,233	101,233	100,566	100,578		655		655		101,233				2,291	11/15/2034	1
31395J-BB-1	FHR 2881 TG EXCH PAC-1-11 5.000% 11/15/34		06/01/2019	Paydown		453,487	453,487	445,557	445,734		7,753		7,753		453,487				9,814	11/15/2034	1
31395J-C8-7	FHR 2883 BZ Z SEQ 5.000% 11/15/34		06/01/2019	Paydown		92,911	92,911	79,628	88,079		4,833		4,833		92,911				2,110	11/15/2034	1
31395J-D3-7	FHR 2883 KZ Z SEQ 5.000% 11/15/34		06/01/2019	Paydown		346,738	346,738	295,757	327,745		18,993		18,993		346,738				7,477	11/15/2034	1
31395J-U2-0	FHR 2890 ZA Z SEQ 5.000% 11/15/34		06/01/2019	Paydown		227,433	227,433	192,110	214,507		12,925		12,925		227,433				4,867	11/15/2034	1
31395J-UJ-3	FHR 2889 OH PAC-11 5.000% 11/15/34		06/01/2019	Paydown		337,836	337,836	330,429	330,580		7,256		7,256		337,836				6,950	11/15/2034	1
31395K-AA-1	FHR 2908 DZ Z SEQ 5.000% 12/15/34		06/01/2019	Paydown		369,534	369,534	336,520	359,648		9,886		9,886		369,534				7,675	12/15/2034	1
31395K-AZ-6	FHR 2897 AD SEQ 5.000% 12/15/34		06/01/2019	Paydown		133,336	133,336	128,751	128,858		4,477		4,477		133,336				2,980	12/15/2034	1
31395K-UC-5	FHR 2906 KZ Z SEQ 5.000% 12/15/34		06/01/2019	Paydown		330,412	330,412	277,184	315,722		14,690		14,690		330,412				7,101	12/15/2034	1
31395N-3A-3	FNR 2006-61 PW PAC-11 6.000% 07/25/36		06/01/2019	Paydown		111,461	111,461	109,994	110,020		1,441		1,441		111,461				2,812	07/25/2036	1
31395N-4L-8	FNR 2006-61 PN PAC-11 6.000% 07/25/36		06/01/2019	Paydown		19,386	19,386	19,314	19,314		73		73		19,386				493	07/25/2036	1
31395N-C3-9	FNR 2006-58 DZ Z PAC-11 6.000% 07/25/36		06/01/2019	Paydown		20,526	20,526	20,327	20,392		134		134		20,526				509	07/25/2036	1
31395N-CS-4	FNR 2006-44 PH EXCH PAC-11 6.000% 06/25/36		06/01/2019	Paydown		43,973	43,973	43,987	43,973						43,973				1,047	06/25/2036	1
31395N-GE-1	FNR 2006-45 AN SEQ 6.000% 06/25/26		06/01/2019	Paydown		139,519	139,519	138,168	138,499		1,020		1,020		139,519				3,466	06/25/2026	1
31395N-N8-6	FNR 2006-60 PE EXCH PAC-11 6.000% 07/25/36		06/01/2019	Paydown		31,383	31,383	30,968	31,149		235		235		31,383				894	07/25/2036	1
31395N-VC-8	FNR 2950 QO EXCH PAC-11 5.500% 03/15/35		06/01/2019	Paydown		127,944	127,944	125,200	125,405		2,539		2,539		127,944				3,209	07/25/2036	1
31395P-XD-9	FHR 2950 QO EXCH PAC-11 5.500% 03/15/35		06/01/2019	Paydown		404,034	404,034	399,922	400,002		4,032		4,032		404,034				9,899	03/15/2035	1
31395R-SE-9	FHR 2968 PG EXCH PAC-1-11 5.500% 04/15/35		06/01/2019	Paydown		494,226	494,226	496,388	494,363		(137)		(137)		494,226				11,091	04/15/2035	1
31395T-DG-6	FHR 2958 MG PAC-11 5.500% 04/15/35		06/01/2019	Paydown		158,102	158,102	157,411	157,418		684		684		158,102				3,686	04/15/2035	1
31395T-U9-3	FHR 2983 PE EXCH PAC-1-11 5.500% 05/15/35		06/01/2019	Paydown		553,659	553,659	554,005	553,659						553,659				11,943	05/15/2035	1
31395T-W8-3	FHR 2970 WL PAC-1-11 5.500% 05/15/35		06/01/2019	Paydown		335,828	335,828	333,163	333,217		2,611		2,611		335,828				8,046	05/15/2035	1
31395U-7A-3	FHR 2961 PE PAC-11 5.500% 05/15/35		06/01/2019	Paydown		356,847	356,847	354,140	354,140		2,707		2,707		356,847				8,456	05/15/2035	1
31395U-CL-3	FHR 2975 PM PAC-11 5.500% 05/15/35		06/01/2019	Paydown		312,060	312,060	316,887	313,427		(1,367)		(1,367)		312,060				7,444	05/15/2035	1



STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 4

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										11	12	13	14	15							
CUSIP Ident-ification	Description	For-foreign	Disposal Date	Name of Purchaser	Number of Shares of Stock	Consid-eration	Par Value	Actual Cost	Prior Year Book/ Adjusted Carrying Value	Unrealized Valuation Increase/(Decrease)	Current Year's (Amor-tization)/ Accretion	Current Year's Other Than Temporary Impairment Recogn-ized	Total Change in Book/ Adjusted Carrying Value (11 + 12 - 13)	Total Foreign Exchange Change in Book /Adjusted Carrying Value	Book/ Adjusted Carrying Value at Disposal Date	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal	Bond Interest/ Stock Dividends Received During Year	Stated Con-tractual Maturity Date	NAIC Desig-nation and Admini-strative Symbol /Market Indicator (a)
31395U-E2-3	FHR 2980 LE EXCH PAC-11 5.500% 05/15/35		06/01/2019	Paydown		346,619	346,619	345,902	345,900			719	719		346,619				7,959	05/15/2035	1
31395U-J3-6	FHR 2971 KU EXCH PAC-11 5.500% 05/15/35		06/01/2019	Paydown		223,961	223,961	224,661	223,961						223,961				5,104	05/15/2035	1
31395V-CV-9	FHR 2992 OH PAC-1-11 5.500% 06/15/35		06/01/2019	Paydown		180,643	180,643	180,812	180,643						180,643				4,173	06/15/2035	1
31395V-KK-4	FHR 2984 NE EXCH PAC-11 5.500% 06/15/35		06/01/2019	Paydown		320,903	320,903	315,142	315,245		5,658		5,658		320,903				6,825	06/15/2035	1
31395W-W4-5	FHR 3012 PE EXCH PAC-11 5.500% 08/15/35		06/01/2019	Paydown		466,999	466,999	469,772	467,496		(497)		(497)		466,999				10,836	08/15/2035	1
31395W-ZV-2	FHR 3018 GC SEQ 5.000% 08/15/35		06/01/2019	Paydown		61,187	61,187	59,657	59,695		1,493		1,493		61,187				1,253	08/15/2035	1
31395X-AA-3	FHR 3014 DJ PAC-2-22 5.800% 08/15/35		04/01/2019	Paydown		50,009	50,009	49,297	49,315				694		50,009				967	08/15/2035	1
31395X-VH-5	FHR 3019 ML PAC-11 5.500% 08/15/35		06/01/2019	Paydown		337,047	337,047	326,712	333,958		3,089		3,089		337,047				7,743	08/15/2035	1
31396A-NL-4	FHR 3035 Z Z SUP 5.850% 09/15/35		06/01/2019	Paydown		622,229	622,229	598,312	612,913		9,316		9,316		622,229				15,160	09/15/2035	1
31396A-ZM-9	FHR 3036 WG EXCH PAC-11 5.500% 09/15/35		06/01/2019	Paydown		218,827	218,827	218,212	218,327		500		500		218,827				5,104	09/15/2035	1
31396C-B3-3	FHR 3057 PG EXCH PAC-11 5.500% 10/15/35		06/01/2019	Paydown		132,107	132,107	129,439	131,203		904		904		132,107				3,051	10/15/2035	1
31396C-KL-3	FHR 3047 WP SEQ 5.000% 10/15/35		06/01/2019	Paydown		102,721	102,721	99,448	99,540		3,181		3,181		102,721				2,111	10/15/2035	1
31396E-2X-3	FHR 3053 OH PAC-1-11 5.500% 10/15/35		06/01/2019	Paydown		547,460	547,460	541,921	545,156		2,304		2,304		547,460				13,957	10/15/2035	1
31396G-5X-5	FHR 3086 PE PAC-11 5.500% 12/15/35		06/01/2019	Paydown		355,844	355,844	346,503	352,648		3,196		3,196		355,844				8,049	12/15/2035	1
31396J-2F-1	FHR 3126 Z Z SEQ 6.000% 03/15/36		06/01/2019	Paydown		559,732	559,732	537,321	554,291		5,441		5,441		559,732				15,014	03/15/2036	1
31396K-6S-6	FNR 2006-100 Z Z SEQ 6.000% 10/25/36		06/01/2019	Paydown		178,805	178,805	175,257	176,873		1,933		1,933		178,805				3,739	10/25/2036	1
31396K-O6-6	FNR 2006-83 HZ Z SEQ 6.000% 09/25/36		06/01/2019	Paydown		20,316	20,316	19,637	19,890		425		425		20,316				486	09/25/2036	1
31396K-HD-7	FNR 2006-68 ZA Z SEQ 6.000% 08/25/36		06/01/2019	Paydown		5,076	5,076	4,973	5,017		59		59		5,076				127	08/25/2036	1
31396K-PT-3	FNR 2006-69 PD PAC-11 6.000% 08/25/36		06/01/2019	Paydown		37,989	37,989	38,132	37,989						37,989				983	08/25/2036	1
31396K-QE-5	FNR 2006-69 PZ Z PAC-11 6.500% 08/25/36		06/01/2019	Paydown		37,960	37,960	38,649	38,022		(61)		(61)		37,960				1,033	08/25/2036	1
	FNR 2006-81 NE EXCH PAC-11 6.000% 09/25/36																				
31396K-S2-9	FNR 2006-71 DZ EXCH SC Z PT 6.000% 07/25/36		06/01/2019	Paydown		211,387	211,387	210,611	210,608		779		779		211,387				5,281	09/25/2036	1
	FNR 2006-87 Z Z SEQ 6.000% 09/25/36		06/01/2019	Paydown		402,217	402,217	391,282	397,553		4,664		4,664		402,217				10,338	07/25/2036	1
31396K-X5-6	FNR 2006-102 ME EXCH PAC-11 6.000% 10/25/36		06/01/2019	Paydown		309,465	309,465	299,021	306,552		2,913		2,913		309,465				7,678	09/25/2036	1
			06/01/2019	Paydown		465,323	465,323	468,813	465,323						465,323				13,091	10/25/2036	1
31396L-LG-3			06/01/2019	Paydown		602,973	602,973	597,462	597,900		5,074		5,074		602,973				13,356	10/25/2033	1
31396L-NK-2	FNR 2006-106 AY SEQ 5.500% 11/25/36		06/01/2019	Paydown		400,966	400,966	392,263	392,483		8,483		8,483		400,966				8,735	11/25/2036	1
31396L-PG-9	FNR 2006-112 DB PAC-11 5.500% 11/25/36		06/01/2019	Paydown		34,758	34,758	34,129	34,135		622		622		34,758				783	11/25/2036	1
31396N-SJ-3	FHR 3135 JE PAC-11 6.000% 04/15/36		06/01/2019	Paydown		300,762	300,762	306,213	301,846		(1,084)		(1,084)		300,762				7,527	04/15/2036	1
31396N-TM-8	FHR 3151 LH PAC-1-11 6.000% 05/15/36		06/01/2019	Paydown		242,701	242,701	246,408	243,342		(641)		(641)		242,701				5,647	05/15/2036	1
31396P-4B-4	FNR 2007-24 B SEQ 6.000% 03/25/37		06/01/2019	Paydown		11,051	11,051	11,088	11,051						11,051				260	03/25/2037	1
31396P-J7-7	FNR 2007-13 NA SEQ NAS 6.000% 03/25/37		06/01/2019	Paydown		45,167	45,167	44,257	44,269		898		898		45,167				978	03/25/2037	1
31396P-LT-6	FNR 2007-2 HE EXCH SEQ 6.000% 02/25/37		06/01/2019	Paydown		158,098	158,098	157,802	157,796		302		302		158,098				3,920	02/25/2037	1
31396P-ND-9	FNR 2007-10 Z Z SEQ 6.000% 02/25/3																				

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 4

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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 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 and Admini-strative Symbol /Market Indicator (a)
31396X-AK-0	FNR 2007-81 AY SEQ 6.000% 08/25/37		06/01/2019	Paydown		111,832	111,832	108,764	108,777		3,055		3,055		111,832				2,639	08/25/2037	1
31396X-DF-8	FNR 2007-79 B SEQ 6.000% 08/25/37		06/01/2019	Paydown		6,292	6,292	6,149	6,150		142		142		6,292				157	08/25/2037	1
31396X-QY-3	FNR 2007-85 BE PAC-11 6.000% 09/25/37		06/01/2019	Paydown		460,134	460,134	456,251	457,748		2,386		2,386		460,134				12,208	09/25/2037	1
31396Y-5Q-1	FNR 2008-34 ZA Z SEQ 5.500% 05/25/38		06/01/2019	Paydown		30,674	30,674	28,671	29,658		1,016		1,016		30,674				653	05/25/2038	1
31396Y-NR-9	FNR 2008-12 AL EXCH SEQ 6.000% 03/25/38		06/01/2019	Paydown		188,464	188,464	186,440	186,456		2,008		2,008		188,464				5,023	03/25/2038	1
31396Y-R2-0	FNR 2008-26 ZB Z SEQ 5.000% 04/25/38		06/01/2019	Paydown		688,261	688,261	567,385	653,594		34,667		34,667		688,261				14,369	04/25/2038	1
31396Y-WF-5	FNR 2008-13 AY SEQ 6.000% 03/25/48		06/01/2019	Paydown		22,255	22,255	22,012	22,047		208		208		22,255				479	03/25/2048	1
31397A-AW-3	FHR 3205 PE EXCH PAC-1-11 6.000% 08/15/36		06/01/2019	Paydown		752,412	752,412	755,704	752,412						752,412				16,729	08/15/2036	1
31397B-3L-3	FHR 3220 C EXCH SEQ 6.000% 09/15/36		06/01/2019	Paydown		4,057	4,057	4,067	4,057		(1)		(1)		4,057				102	09/15/2036	1
31397C-5S-4	FHR 3241 DB PAC-11 5.500% 11/15/36		06/01/2019	Paydown		24,827	24,827	24,582	24,584		243		243		24,827				569	11/15/2036	1
31397C-AK-5	FHR 3246 D EXCH SEQ 6.000% 11/15/36		06/01/2019	Paydown		2,817	2,817	2,826	2,819		(1)		(1)		2,817				70	11/15/2036	1
31397C-V6-3	FHR 3239 EG EXCH SC SEQ 5.750% 11/15/36		06/01/2019	Paydown		127,181	127,181	127,132	127,123		58		58		127,181				3,046	11/15/2036	1
31397E-DE-2	FHR 3249 BZ Z SEQ 6.000% 12/15/36		06/01/2019	Paydown		128,853	128,853	128,672	128,668		185		185		128,853				2,709	12/15/2036	1
31397E-TN-5	FHR 3268 HP PAC-1-11 5.500% 01/15/37		06/01/2019	Paydown		14,002	14,002	13,822	13,823		178		178		14,002				322	01/15/2037	1
31397E-W5-0	FHR 3280 ME PAC-1-11 5.500% 02/15/37		06/01/2019	Paydown		151,990	151,990	150,018	151,239		751		751		151,990				3,527	02/15/2037	1
31397F-BY-7	FHR 3279 PL PAC-11 6.000% 02/15/37		06/01/2019	Paydown		274,219	274,219	280,903	276,649		(2,430)		(2,430)		274,219				6,132	02/15/2037	1
31397F-FP-2	FHR 3271 FP FLT PT 2.694% 02/15/37		06/15/2019	Paydown		2,761	2,761	2,762	2,761						2,761				32	02/15/2037	1
31397H-K6-4	FHR 3316 JC SEQ 5.900% 05/15/37		06/01/2019	Paydown		18,284	18,284	18,120	18,121		162		162		18,284				449	05/15/2037	1
31397J-AC-8	FHR 3335 AG SEQ 6.500% 06/15/37		06/01/2019	Paydown		179,709	179,709	180,773	180,004		(295)		(295)		179,709				5,116	06/15/2037	1
31397J-MR-2	FHR 3341 B SEQ 6.000% 07/15/37		06/01/2019	Paydown		4,636	4,636	4,459	4,459		177		177		4,636				116	07/15/2037	1
31397J-QJ-6	FHR 3351 AC EXCH SEQ 6.000% 07/15/37		06/01/2019	Paydown		14,621	14,621	14,163	14,167		454		454		14,621				367	07/15/2037	1
31397J-V3-5	FHR 3349 EP PAC-1-11 6.000% 07/15/37		06/01/2019	Paydown		898,606	898,606	885,793	894,336		4,269		4,269		898,606				21,560	07/15/2037	1
31397J-VB-7	FHR 3349 GW SEQ 6.000% 07/15/37		06/01/2019	Paydown		324,948	324,948	315,688	315,785		9,163		9,163		324,948				7,264	07/15/2037	1
31397J-WV-2	FHR 3344 AC SEQ 6.000% 07/15/37		06/01/2019	Paydown		434,981	434,981	424,290	424,423		10,558		10,558		434,981				9,568	07/15/2037	1
31397K-3F-6	FHR 3347 PM EXCH PAC-11 6.000% 07/15/37		06/01/2019	Paydown		329,441	329,441	345,913	332,225		(2,784)		(2,784)		329,441				8,298	07/15/2037	1
31397K-A8-4	FHR 3356 PE PAC-1-11 6.000% 08/15/37		06/01/2019	Paydown		497,590	497,590	512,945	500,715		(3,125)		(3,125)		497,590				11,818	08/15/2037	1
31397L-2V-0	FNR 2008-62 AY EXCH SEQ 5.500% 07/25/38		06/01/2019	Paydown		267,632	267,632	257,041	257,189		10,442		10,442		267,632				6,187	07/25/2038	1
31397L-DS-5	FNR 2008-24 AZ EXCH Z SEQ 5.000% 04/25/38		06/01/2019	Paydown		601,832	601,832	511,558	578,284		23,548		23,548		601,832				12,538	04/25/2038	1
31397L-M7-1	FNR 2008-58 KW SEQ 5.000% 07/25/38		06/01/2019	Paydown		263,826	263,826	249,461	249,941		13,885		13,885		263,826				5,572	07/25/2038	1
31397L-PP-8	FNR 2008-42 ZA EXCH Z SEQ 5.500% 05/25/38		06/01/2019	Paydown		365,771	365,771	346,485	359,425		6,346		6,346		365,771				8,781	05/25/2038	1
31397M-HL-4	FNR 2008-70 AY EXCH SEQ 5.500% 08/25/38		06/01/2019	Paydown		212,571	212,571	202,216	202,345		10,226		10,226		212,571				4,988	08/25/2038	1
31397M-KT-3	FNR 2008-68 LJ EXCH SEQ 5.500% 08/25/38		06/01/2019	Paydown		328,398	328,398	313,034	313,271		15,127		15,127		328,398				7,587	08/25/2038	1
31397P-NU-0	FHR 3399 ZB Z SEQ 5.500% 12/15/37		06/01/																		

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										11	12	13	14	15							
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31414R-B5-3	FN 973560 4.500% 03/01/23		06/01/2019	Paydown		304	304	298	299		4		4		304				6	03/01/2023	1
31414T-JR-3	FN 975572 4.500% 06/01/23		06/01/2019	Paydown		403	403	396	398		6		6		403				7	06/01/2023	1
31415L-LF-2	FN 983326 5.000% 07/01/23		06/01/2019	Paydown		534	534	534	534		1		1		534				11	07/01/2023	1
31418B-WF-0	FN MA2157 4.000% 01/01/45		06/01/2019	Paydown		502,351	502,351	537,201	535,872		(33,521)		(33,521)		502,351				8,651	01/01/2045	1
485428-ZX-7	KANSAS ST DEV FIN AUTH REVENUE Kansas Development Financ 5.37 5.37% 05/01/26		05/01/2019	Call	100.0000	920,000	920,000	920,000	920,000						920,000				24,707	05/01/2026	1FE
49228M-CV-4	KERN CNTY CA WTR AGY IMPT DIST Kern County Water Agency 6.64 6.649% 05/01/38		05/01/2019	Call	100.0000	255,000	255,000	255,000	255,000						255,000				8,477	05/01/2038	1FE
52518R-BE-5	LSSC 2002-GE1 A SC CSTR 0.000% 07/26/24		06/01/2019	Paydown		6,578	6,578	6,578	6,578		6,578		6,578		6,578					07/26/2024	6*
645916-TV-9	NEW JERSEY ST ECON DEV AUTH New Jersey Economic Devel 5.8 5.800% 04/01/25		06/10/2019	Call	103.6382	5,213,000	5,030,000	5,005,152	5,019,509		445		445		5,019,954		10,046	10,046	330,985	04/01/2025	2FE
64970M-ZT-3	NEW YORK CITY NY HSG DEV CORP New York City Housing Dev 5.47 5.470% 05/01/27		05/03/2019	Call	100.0000	115,000	115,000	113,886	114,395		19		19		114,414		586	586	3,145	05/01/2027	1FE
736746-TK-4	PORTLAND OR URBAN RENEWAL & RE City of Portland OR 6.3 06/15/ 6.300% 06/15/24		06/17/2019	Call	100.0000	1,110,000	1,110,000	1,110,000	1,110,000						1,110,000				34,965	06/15/2024	1FE
899673-BX-4	TULSA OK PUBLIC FACS AUTH Tulsa Public Facilities A 6.06 6.069% 04/01/27		04/01/2019	Call	100.0000	575,000	575,000	575,000	575,000						575,000				17,448	04/01/2027	1FE
928120-6E-2	VIRGINIA ST HSG DEV AUTH Virginia Housing Developm 4.05 4.057% 06/01/43		06/03/2019	Call	100.0000	1,250,000	1,250,000	1,250,000	1,250,000						1,250,000				25,356	06/01/2043	1FE
977100-AC-0	WISCONSIN ST GEN FUND ANNUAL A State of Wisconsin 5.7 05/01/2 5.700% 05/01/26		05/01/2019	Call	100.0000	795,000	795,000	792,543	793,811		44		44		793,854		1,146	1,146	22,658	05/01/2026	1FE
3199999	Subtotal - Bonds - U.S. Special Revenues					168,746,251	168,573,655	166,665,680	169,072,746		(91,638)		(91,638)		168,981,095		(417,845)	(417,845)	4,267,946	XXX	XXX
000367-AC-6	AASET 2018-1A C SUB 6.413% 01/16/38		06/16/2019	Paydown		186,237	186,237	186,235	186,234		3		3		186,237				4,974	01/16/2038	3FE
000398-AA-1	POWER PARTNERS I-LLC-ABB LTD SR-SEC 3.750% 12/31/24		06/30/2019	Redemption	100.0000	242,649	242,649	242,649	242,649						242,649				3,793	12/31/2024	1
00077B-3U-5	AMAC 2002-9 A4 RTL NAS 5.750% 12/25/32		06/01/2019	Paydown		100,892	100,892	103,036	101,307		(416)		(416)		100,892				2,794	12/25/2032	1FM
000780-AD-8	AMAC 2003-3 A4 RTL SSNR NAS 5.750% 02/25/33		06/01/2019	Paydown		15,403	15,403	15,719	15,542		(138)		(138)		15,403				369	02/25/2033	1FM
000780-HD-1	AMAC 2003-6 1A27 PAC-11 RTL SSNR AS 5.500% 05/25/33		06/01/2019	Paydown		159,949	159,949	158,631	158,713		1,236		1,236		159,949				3,664	05/25/2033	1FM
00110A-AE-4	AEP 5.3063 07/01/20 5.306% 07/01/20		04/08/2019	CITIGROUP GLOBAL MARKETS INC		13,799,759	13,556,692	15,192,170	13,724,168		(1,647)		(1,647)		13,722,521		77,238	77,238	557,503	07/01/2020	1FE
00165C-AB-0	AMC ENTERTAINMENT HOLDIN CO GUARNT 5.875% 11/15/26		05/16/2019	JP MORGAN SECURITIES		31,042,000	35,275,000	35,486,681	35,453,132		(9,891)		(9,891)		35,443,242		(4,401,242)	(4,401,242)	1,064,987	11/15/2026	5FE
001828-AA-6	AMZN-ROMULUS-MI CTL PT TRUST-A 3.497% 10/31/38		06/30/2019	Redemption	100.0000	365,423	365,423	365,423	365,423						365,423				5,327	10/31/2038	1
00184*-AA-6	AMZN-NORTH RANDALL-OH CTL PT T 3.610% 03/31/39		06/30/2019	Redemption	100.0000	425,142	425,142	425,142	425,142						425,142				5,762	03/31/2039	1
001848-AA-4	AMZN-EUCLID OH CTL PT TR-AMAZO SR-SEC 4.095% 06/30/39		06/17/2019	Redemption	100.0000	754,402	754,402	754,402	754,402						754,402				59,540	06/30/2039	1
002258-AA-5	A2-A PEARL INVS LLC SR-UNSEC 4.980% 06/30/43		06/30/2019	Redemption	100.0000	2,062,257	2,062,257	2,062,257	2,062,257						2,062,257				52,206	06/30/2043	2FE
00253C-HX-8	AMT 2002-2 M1 MEZ STEP AFC NAS 6.150% 03/25/33		06/01/2019	Paydown		13,381	13,381	13,376	13,347		34		34		13,381				342	03/25/2033	1FM
002578-AA-4	HIGHWAY 94 PARTNERS-LLC-ABB SR-SEC 3.750% 08/01/24		06/01/2019	Redemption	100.0000	220,786	220,786	220,786	220,786						220,786				3,451	08/01/2024	1
00287Y-BF-5	ABBVIE INC SR UNSEC 4.250% 11/14/28		04/22/2019	MORGAN STANLEY & CO. INC.		24,815,044	24,400,000	24,230,230	24,233,763		6,318		6,318		24,240,081		574,963	574,963	622,200	11/14/2028	2FE
003798-AA-7	ABRASIVE PRODUCTS AND EQUIPMEN SUB 11.500% 03/05/20		05/30/2019	TAX FREE EXCH NOT SALE		11,411,456	11,411,456	11,411,456	10,650,475						11,411,456				1,491,578	03/05/2020	6
003928-AA-0	ABTEEN VENTURES-LLC SR-UNSEC 3.930% 08/15/39		05/15/2019	Redemption	100.0000	624,204	624,204	624,204	624,204						624,204				4,840	02/15/2029	1FE
003928-AA-0	ABTEEN VENTURES-LLC SR-UNSEC 3.930% 08/15/39		06/15/2019	Redemption	100.0000	313,561	313,561	313,561	313,561						313,561				3,971	02/15/2029	1PL
00436M-AA-3	AALLC 2018-1 A SEQ 3.870% 12/02/33		06/02/2019	Paydown		1,055,796	1,055,796	1,055,530	1,055,542		255		255		1,055,796				16,850	12/02/2033	1FE

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
..00440E-AM-9	CHUBB INA HOLDINGS INC CO.GUARNT 5.900% 06/15/19		06/15/2019	Maturity		12,500,000	12,500,000	12,380,750	12,492,960		7,041		7,041		12,500,000				368,750	06/15/2019	1FE
..00440E-AS-6	CHUBB INA HOLDINGS INC CO.GUARNT 3.150% 03/15/25		04/26/2019	WELLS FARGO		10,136,600	10,000,000	9,998,300	9,998,879		54		54		9,998,933		137,667	137,667	196,875	03/15/2025	1FE
..004421-EX-7	ACE 2004-0P1 M2 MEZ FLT STEP 3.979% 04/25/34		06/25/2019	Paydown		24,892	24,892	22,506	23,164		1,728		1,728		24,892				444	04/25/2034	1FM
..004421-MM-0	ACE 2005-SNH1 A2 STEP AFC 5.230% 11/25/39		06/01/2019	Paydown		219,767	219,767	203,756	211,462		8,305		8,305		219,767				5,221	11/25/2039	1FM
..006346-AS-9	ADMSO 2018-1 A SEQ 4.810% 11/15/48		06/15/2019	Paydown		103,078	103,078	103,074	103,074		3		3		103,078				2,066	11/15/2048	1FE
..007036-HA-7	ARMT 2005-2 6M2 MEZ FLT STEP AFC 1R 3.384% 06/25/35		06/25/2019	Paydown		69,257	69,257	63,129	66,953		2,304		2,304		69,257				865	06/25/2035	1FM
..00707*-AA-4	ADLER-TN-TX-NC SENIOR GROUND L SR-SEC 4.610% 10/15/47		06/15/2019	Redemption 100.0000		29,564	29,564	29,564	29,564						29,564				568	10/15/2047	1PL
..00793#-AA-5	ADVOCATE CTL PT TRUST 3.725% 07/15/36		06/15/2019	Redemption 100.0000		104,456	104,456	104,456	104,456						104,456				1,622	07/15/2036	1
..00866#-AA-9	AHEAD LLC SUB-SEC 10.820% 12/29/23		05/08/2019	Redemption 100.0000		42,000,000	42,000,000	42,000,000	42,000,000						42,000,000				777,822	12/29/2023	5
..00912X-AX-2	SUNTRUST CAPITAL MARKETS AIR LEASE CORP SR UNSEC 2.750% 01/15/23		04/25/2019	Redemption 100.0000		12,860,006	13,125,000	12,446,963	12,472,130		49,020		49,020		12,521,150		338,856	338,856	284,740	01/15/2023	2FE
..00938#-AA-1	WALGREEN CO-BATON ROUGE SR-SEC 6.890% 10/15/32		06/15/2019	Redemption 100.0000		22,285	22,285	22,285	22,285						22,285				640	10/15/2032	2
..01439#-AF-4	ALDI INC B-SR 5.790% 04/04/19		04/04/2019	Maturity		20,000,000	20,000,000	20,000,000	20,000,000						20,000,000				579,000	04/04/2019	2PL
..01560#-AA-4	ALGIERS R/E VENTURES LLC-WAG N SR-SEC 6.930% 03/15/34		06/15/2019	Redemption 100.0000		22,305	22,305	22,305	22,305						22,305				644	03/15/2034	2
..01877K-AC-7	ALLIANCE PIPELINE L.P. SR 7.877% 12/31/25		06/30/2019	Redemption 100.0000		467,500	467,500	467,500	467,500						467,500				18,412	12/31/2025	2FE
..01877K-AD-5	ALLIANCE PIPELINE LP SR SEC 4.591% 12/31/25		06/30/2019	Redemption 100.0000		82,500	82,500	82,811	82,699		(199)		(199)		82,500				1,894	12/31/2025	2FE
..02134#-AA-9	ALTA WIND VIII-LLC 3.970% 12/31/35		05/15/2019	Redemption 100.0000		520,113	520,113	520,113	520,113						520,113				10,324	12/31/2035	2PL
..02147Q-AE-2	CWALT 2006-19CB A5 SSNR NAS 6.000% 08/25/36		06/01/2019	Paydown		415,656	493,735	208,288	200,993		245,788		245,788		446,781		(31,124)	(31,124)	12,356	08/25/2036	1FM
..02148F-AW-5	CWALT 2007-4CB 1A10 SEQ AS 5.750% 04/25/37		06/01/2019	Paydown		366,552	387,468	151,349	148,822		225,607		225,607		374,430		(7,878)	(7,878)	9,334	04/25/2037	1FM
..02148Y-AD-6	CWALT 2006-42 1A4 SSNR NAS 6.000% 01/25/47		06/01/2019	Paydown			292,046	86,298	58,124		(2,154)		(2,154)		55,970		(55,970)	(55,970)	7,785	01/25/2047	1FM
..02149F-AH-7	CWALT 2006-43CB 1A8 FLT AS 2.854% 02/25/37		06/25/2019	Paydown		97,647	134,585	50,128	47,733		62,623		62,623		110,357		(12,710)	(12,710)	1,665	02/25/2037	1FM
..02149H-AK-6	CWALT 2007-2CB 1A10 SSNR NAS 5.750% 03/25/37		06/01/2019	Paydown		293,157	341,798	75,250	74,708		228,634		228,634		303,342		(10,185)	(10,185)	8,066	03/25/2037	1FM
..02151C-BD-7	CWALT 2007-15CB A19 EXCH SSNR AS 5.750% 07/25/37		06/01/2019	Paydown		178,606	203,626	102,055	104,238		86,867		86,867		191,105		(12,499)	(12,499)	5,196	07/25/2037	1FM
..02151F-AD-1	CWALT 2007-21CB 1A4 SSNR NAS 6.000% 09/25/37		06/01/2019	Paydown		292,587	286,394	167,412	166,999		122,041		122,041		289,040		3,548	3,548	7,673	09/25/2037	1FM
..02151N-BA-9	CWALT 2007-18CB 2A18 EXCH SSNR NAS 6.000% 08/25/37		06/01/2019	Paydown		87,515	85,049	18,562	19,737		67,196		67,196		86,932		582	582	2,500	08/25/2037	1FM
..02361D-AL-4	AMEREN ILLINOIS CO SR SEC 2.700% 09/01/22		05/14/2019	WELLS FARGO KEYBANC CAPITAL MARKETS		25,052,250	25,000,000	24,991,000	24,996,488		339		339		24,996,827		55,423	55,423	478,125	09/01/2022	1FE
..02361D-AP-5	AMEREN ILLINOIS CO SR SEC 3.250% 03/01/25 2011-1 B-R EETC 2011-1 B-R-SR-UNSEC 4.870% 10/22/23		04/16/2019	Redemption 100.0000		15,150,750	15,000,000	14,991,450	14,994,203		251		251		14,994,454		156,296	156,296	307,396	03/01/2025	1FE
..02377#-AA-7	AGFMT 2006-1 A4 AFC AS 5.750% 12/25/35		04/23/2019	Paydown		1,333,011	1,333,011	1,333,011	1,333,011						1,333,011				33,180	10/22/2023	2FE
..02639M-AK-2	AHM 2004-3 4A XRESET FLT DLY AFC A 4.185% 10/25/34		06/01/2019	Paydown		438,485	438,485	412,769	412,769		25,716		25,716		438,485				11,236	12/25/2035	1FM
..02660T-BN-2	AHM 2004-4 2A2 FLT STEP AFC IRC SS 3.124% 02/25/45		06/03/2019	Paydown		273,138	273,138	264,603	265,923		7,216		7,216		273,138				5,161	10/25/2034	1FM
..02660T-CF-8	AHM 2005-2 4A2 XRESET FLT DLY AFC 0.404% 09/25/45		06/25/2019	Paydown		252,719	252,719	216,366	252,719						252,719				3,698	02/25/2045	1FM
..02660T-FG-3			06/03/2019	Paydown		276,662	276,662	260,187	259,927		16,735		16,735		276,662				4,721	09/25/2045	1FM

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
028909-AC-3	AMRES 1994-1 7.085% 02/18/24		06/01/2019	Paydown		3,224	4,024				3,224		3,224		3,224				.116	02/18/2024	6*
02928#-AN-1	AMRESCO RESIDENTIAL SECURITIES AMRES 1993-1B 7.095% 05/18/23		06/01/2019	Paydown		4,235	4,235	4,235	3,917	.318			318		4,235				.122	05/18/2023	6*
02928#-AQ-4	AMRESCO RESIDENTIAL SECURITIES AMRES 1993-3 6.500% 12/18/23		06/01/2019	Paydown		4,550	5,305	5,233	4,907	.398			398		5,305		(.755)	(.755)	.144	12/18/2023	6*
03072S-GQ-2	AMSI 2003-6 M2 MEZ FLT STEP NAS 5.179% 05/25/33		06/25/2019	Paydown		3,376,390	3,376,390	3,148,483	3,217,173		159,217		159,217		3,376,390				.87,080	05/25/2033	1FM
03072S-OP-3	AMSI 2004-FR1 A6 STEP AFC AS 4.410% 05/25/34		06/01/2019	Paydown		387,622	387,622	387,622	387,622						387,622				.6,795	05/25/2034	1FM
031162-BN-9	AMGEN INC SR UNSEC 3.625% 05/15/22		04/26/2019	INC.		20,463,200	20,000,000	19,907,000	19,964,811		3,241		3,241		19,968,052		495,148	495,148	.332,292	05/15/2022	2FE
03522A-AD-2	ANHEUSER-BUSCH CO/INBEV CO.GUARNT 3.650% 02/01/26		05/15/2019	Tax Free Exchange		26,462,179	28,000,000	26,363,468	26,389,864		72,315		72,315		26,462,179				.806,244	02/01/2026	2FE
03522A-AE-0	ANHEUSER-BUSCH CO/INBEV CO.GUARNT 4.700% 02/01/36		05/15/2019	Tax Free Exchange		28,909,917	30,000,000	28,886,979	28,893,744		16,173		16,173		28,909,917				.1,112,333	02/01/2036	2FE
03522A-AF-7	ANHEUSER-BUSCH CO/INBEV CO.GUARNT 4.900% 02/01/46		05/15/2019	Tax Free Exchange		21,694,541	22,800,000	21,683,248	21,686,829		7,712		7,712		21,694,541				.881,347	02/01/2046	2FE
035240-AD-2	APOLLON ONE CORP-WAG CHARLESTO SR-SEC 3.750% 01/15/22		04/25/2019	Call	102.8313	7,352,440	7,150,000	7,428,450	7,321,728		(17,109)		(17,109)		7,304,619		(154,619)	(154,619)	.410,982	01/15/2022	2FE
037389-BC-6	AON CORP CO.GUARNT 3.750% 05/02/29		06/14/2019	WELLS FARGO		2,769,417	2,700,000	2,697,543			26		26		2,697,569		71,848	71,848	.12,938	05/02/2029	1FE
037411-AR-6	APACHE CORP SR UNSEC 6.000% 01/15/37		06/21/2019	TENDER SALE		1,857,935	1,668,000	1,661,728	1,663,004		74		74		1,663,078		194,857	194,857	.93,408	01/15/2037	2FE
037411-AZ-8	APACHE CORP SR UNSEC 3.250% 04/15/22		06/21/2019	TENDER SALE		7,334,556	7,439,000	7,413,782	7,429,819		1,251		1,251		7,431,070		(96,513)	(96,513)	.165,208	04/15/2022	2FE
037411-BD-6	APACHE CORP SR UNSEC 2.625% 01/15/23		06/24/2019	TENDER SALE		8,330,590	8,618,000	8,572,238	8,598,336		2,229		2,229		8,600,565		(269,975)	(269,975)	.211,141	01/15/2023	2FE
03765#-AA-5	APOLLON ONE CORP-WAG CHARLESTO SR-SEC 6.650% 09/15/34		06/15/2019	Redemption	100.0000	34,421	34,421	34,421	34,421						34,421				.954	09/15/2034	2
03766E-AB-3	AASET 2016-2 A SEQ 4.212% 11/15/41		06/15/2019	Paydown		354,971	354,971	354,960	354,960		.11		.11		354,971				.5,857	11/15/2041	1FE
03766K-AA-1	AASET 2016-1A A ARB SEQ 4.875% 03/17/36		06/20/2019	Paydown		4,294,920	4,294,920	4,233,695	4,240,774		54,146		54,146		4,294,920				.106,955	03/17/2036	1FE
03785#-AA-9	APPLE-CUPERTINO-CA CTL PT TRUS SR-SEC 4.140% 06/15/28		06/15/2019	Redemption	100.0000	354,040	354,040	355,810	355,661		(1,621)		(1,621)		354,040				.6,110	06/15/2028	1PL
03789X-AA-6	DIN 2014-1 A2 SEQ 4.277% 09/05/44		06/05/2019	Paydown		39,081,300	39,081,300	39,390,348	18,238,703		(189,050)		(189,050)		39,081,300				.610,850	09/05/2044	2FE
03836W-AA-2	AQUA AMERICA-INC. B-SR 5.200% 02/03/20		05/20/2019	Call	101.6233	12,194,796	12,000,000	12,000,000	12,000,000						12,000,000				.688,796	02/03/2020	1
03927N-AA-1	ARCAP 2005 1A A SEQ CDO-CRE CDO 5.450% 12/21/42		06/01/2019	Paydown		3,071,498	3,071,498	1,952,144	2,254,226		817,271		817,271		3,071,498				.58,931	12/21/2042	5FE
03927P-AE-8	ARCAP 2004 RR3 B MEZ CDO-CRE CDO 5.040% 09/21/45		06/01/2019	Paydown		4,000,097	4,000,097	4,040,006	3,931,237	.68,860			.68,860		4,000,097				.80,995	09/21/2045	6FE
03927P-AF-5	ARCAP 2004 RR3 C MEZ CDO-CRE CDO 5.160% 09/21/45		06/20/2019	COMPANY INC		873,606	897,157	215,041	215,041						215,041		658,565	658,565	.23,828	09/21/2045	6FE
03927P-AF-5	ARCAP 2004 RR3 C MEZ CDO-CRE CDO 5.160% 09/21/45		06/01/2019	Paydown		3,641	3,641	.873	.873		2,768		2,768		3,641				.85	09/21/2045	6FE
040104-JB-8	ARSI 2004-W7 M1 MEZ FLT STEP NAS 3.229% 05/25/34		06/25/2019	Paydown		118,903	118,903	87,171	103,624		15,279		15,279		118,903				.1,734	05/25/2034	1FM
04541G-EL-2	ABSHE 2003-HE3 M1 MEZ FLT STEP IRC 3.639% 06/15/33		06/17/2019	Paydown		91,042	91,042	86,148	91,042						91,042				.1,270	06/15/2033	1FM
04560*-AK-0	ASSOCIATED ELECTRIC COOP INC. 3.580% 05/31/47		05/31/2019	Redemption	100.0000	248,966	248,966	248,966	248,966						248,966				.4,456	02/28/2047	1
05490Q-AJ-7	BCAP 2015-RR6 3A2 EXCH SC MEZ FLT D 3.422% 05/26/46		06/03/2019	Paydown		753,650	753,650	659,443	691,483		62,167		62,167		753,650				.10,129	05/26/2046	1FM
05523U-AJ-9	BAE SYSTEMS HOLDINGS INC CO.GUARNT 6.375% 06/01/19		06/01/2019	Maturity		24,870,000	24,870,000	24,783,204	24,865,204		4,796		4,796		24,870,000				.478,125	06/01/2019	2FE
05530V-AA-7	BCAP 2007-AA3 1A1A FLT STEP IRC SSN 2.614% 04/25/37		06/25/2019	Paydown		99,321	99,321	88,396	91,209		8,112		8,112		99,321				.1,176	04/25/2037	1FM
05530V-AB-5	BCAP 2007-AA3 1A1B FLT STEP IRC SSN 2.544% 04/25/37		06/25/2019	Paydown		273,632	273,632	243,532	251,291		22,340		22,340		273,632				.3,155	04/25/2037	1FM
05566S-AA-1	BURLINGTN NO SF 05-3 TR PT CERTS 4.830% 01/15/23		04/05/2019	Redemption	100.0000	48,774	48,774	49,291	48,891		(118)		(118)		48,774				.3,679	01/15/2023	1FE

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 4

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

1	2	3	4	5	6	7	8	9	10	Change In Book/Adjusted Carrying Value					16	17	18	19	20	21	22
										11	12	13	14	15							
CUSIP Ident-ification	Description	For-foreign	Disposal Date	Name of Purchaser	Number of Shares of Stock	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 and Admini-strative Symbol /Market Indicator (a)
05567Y-AA-7	BURLINGTN NO SF 05-4 TR PT CERTS 4.967% 04/01/23		04/08/2019	Redemption 100.0000		73,569	73,569	73,569	73,569						73,569				3,044	04/01/2023	1FE
05568Y-AA-6	BNSF RAILWAY CO 2007-1 P PT CERTS 5.996% 04/01/24		04/01/2019	Redemption 100.0000		690,214	690,214	694,327	691,987		(1,773)		(1,773)		690,214				20,693	04/01/2024	1FE
05584@-AA-9	BGS HUNTSVILLE 2016 CTL PT TRU 3.470% 08/15/35		06/15/2019	Redemption 100.0000		477,283	477,283	477,283	477,283						477,283				6,903	11/15/2033	1PL
05584A-AA-8	HGVGI 2017-1A A SEQ 2.940% 05/25/29		06/25/2019	Paydown		386,208	386,208	386,110	386,128		80		80		386,208				4,718	05/25/2029	1FE
05584A-AB-6	HGVGI 2017-1A B SUB 3.240% 05/25/29		06/25/2019	Paydown		127,620	127,620	127,602	127,605		15		15		127,620				1,718	05/25/2029	2FE
05587*-AA-8	FEDEX CTL PT TRUST-SER 2017A-F 4.260% 03/15/37		06/15/2019	Redemption 100.0000		202,466	202,466	202,466	202,466						202,466				3,595	03/15/2037	1PL
05606*-AB-3	BD DALLAS TX LANDLORD-LLC-BBA SR-SEC 4.425% 01/31/36		06/30/2019	Redemption 100.0000		137,153	137,153	131,959	132,752		4,402		4,402		137,153				2,530	01/31/2036	3
05606*-AC-1	BD DALLAS TX LANDLORD-LLC-BBA SR 4.600% 01/31/36		06/30/2019	Redemption 100.0000		37,416	37,416	37,416	37,416						37,416				718	01/30/2036	3
05607B-AA-9	BXGNT 2017-A A SEQ 2.950% 10/04/32		06/02/2019	Paydown		431,516	431,516	431,506	431,507		.9		.9		431,516				5,319	10/04/2032	1FE
05607B-AB-7	BXGNT 2017-A B SUB 3.590% 10/04/32		06/02/2019	Paydown		107,871	107,871	107,865	107,866		.5		.5		107,871				1,618	10/04/2032	2FE
05607U-AC-3	BXGNT 2018-A C SUB 4.440% 02/02/34		06/02/2019	Paydown		316,513	316,513	316,449	316,450		63		63		316,513				5,873	02/02/2034	2FE
05643#-AA-6	BACONTON POWER LLC B-SR-SEC 6.840% 09/30/22		06/30/2019	Redemption 100.0000		1,672,501	1,672,501	1,672,501	1,672,501						1,672,501				57,200	09/30/2022	1
05946X-BH-5	BAFC 2002-2 A3 Z SSNR AS 6.000% 11/25/32		06/01/2019	Paydown		44,694	44,694	41,886	42,378		2,316		2,316		44,694				1,263	11/25/2032	1FM
05946X-BJ-1	BAFC 2002-2 A4 SSNR NAS 6.000% 11/25/32		06/01/2019	Paydown		94,460	94,460	95,800	95,679		(1,219)		(1,219)		94,460				2,670	11/25/2032	1FM
05946X-KR-3	BAFC 2004-4 1A3 SEQ AS 5.500% 11/25/34		06/01/2019	Paydown		29,561	29,561	28,916	28,929		633		633		29,561				697	11/25/2034	1FM
05946X-L9-2	BAFC 2005-6 1A1 SSNR NAS 5.500% 10/25/35		06/01/2019	Paydown		134,802	149,493	133,316	138,340		10,022		10,022		148,362		(13,559)	(13,559)	2,890	10/25/2035	2FM
05947U-WF-1	BACM 2004-4 XC 10 CSTR NTL 0.331% 07/10/42		05/01/2019	Paydown															664	07/10/2042	6*
05948K-B6-5	BOAA 2005-5 5CB1 NAS 5.500% 06/25/35		06/01/2019	Paydown		171,979	179,073	134,306	142,227		35,399		35,399		177,625		(5,648)	(5,648)	4,294	06/25/2035	1FM
05948K-C9-8	BOAA 2005-6 CB1 NAS 5.500% 07/25/35		05/01/2019	Paydown		151,750	152,715	155,583	147,122		5,572		5,572		152,694		(944)	(944)	3,259	07/25/2035	1FM
05948K-C9-8	BOAA 2005-6 CB1 NAS 5.500% 07/25/35		06/01/2019	Paydown		4,665,283	4,684,577	4,772,560	4,513,023		171,013		171,013		4,684,037		(18,754)	(18,754)	128,710	07/25/2035	2FM
05948K-F2-0	BOAA 2005-6 5A1 NAS 5.500% 07/25/35		06/01/2019	Paydown		4,423,519	4,504,920	4,124,686	4,130,131		367,971		367,971		4,498,101		(74,583)	(74,583)	121,022	07/25/2035	2FM
05948K-F3-8	BOAA 2005-6 5A2 SEQ AS 5.500% 07/25/35		06/01/2019	Paydown		549,864	559,983	391,015	432,762		124,914		124,914		557,676		(7,812)	(7,812)	15,041	07/25/2035	1FM
05948K-P3-7	BOAA 2005-9 4A1 SSNR NAS 5.500% 10/25/35		06/01/2019	Paydown		191,478	202,013	127,374	134,409		64,099		64,099		198,509		(7,030)	(7,030)	5,443	10/25/2035	1FM
05948X-YR-6	BOAMS 2003-J B1 SUB CSTR NAS 4.667% 11/25/33		06/01/2019	Paydown		269,278	269,278	250,092	251,907		17,371		17,371		269,278				5,487	11/25/2033	1FM
05949A-LK-4	BOAMS 2004-G 3A1 CSTR PT SSNR AS 4.603% 08/25/34		06/01/2019	Paydown		689,790	689,790	569,858	515,933		173,857		173,857		689,790				13,723	08/25/2034	1FM
05949A-VN-7	BOAMS 2004-9 1A3 SEQ SSNR AS 5.500% 11/25/34		06/01/2019	Paydown		3,551,351	3,551,351	3,470,940	3,472,524		78,827		78,827		3,551,351				96,404	11/25/2034	1FM
05949A-XG-0	BOAMS 2004-K 2A1 CSTR PT AS 4.422% 12/25/34		06/01/2019	Paydown		182,916	182,916	178,801	179,218		3,698		3,698		182,916				3,168	12/25/2034	1FM
05949C-GN-0	BOAMS 2005-8 A1 SSNR NAS 5.500% 09/25/35		06/01/2019	Paydown		136,542	214,976	197,879	212,309		2,071		2,071		214,380		(77,839)	(77,839)	5,550	09/25/2035	4FM
05949Q-BB-0	BAFC 2006-2 2A20 SEQ AS 5.750% 03/25/36		06/01/2019	Paydown		62,019	71,835	49,338	40,294		27,208		27,208		67,502		(5,483)	(5,483)	1,513	03/25/2036	1FM
05949T-BF-5	BAFC 2006-1 A3 Z SEQ SSNR AS 6.000%		06/01/2019	Paydown		60,203	62,032	39,973	36,111		25,143		25,143		61,254		(1,050)	(1,050)	1,185	01/25/2036	1FM
05949Y-AC-2	BOAMS 2006-1 A6 SSNR NAS 6.000% 05/25/36		06/01/2019	Paydown		82,832	135,801	93,828	96,823		23,729		23,729		120,552		(37,720)	(37,720)	3,495	05/25/2036	1FM
05949Y-AF-5	BOAMS 2006-1 A6 SSNR NAS 6.000% 05/25/36		06/01/2019	Paydown		103,795	170,169	84,267	83,820		52,425		52,425		136,245		(32,450)	(32,450)	4,380	05/25/2036	1FM
059500-AF-5	BACM 2006-3 AM CSTR AFC SEQ 5.665% 07/10/44		05/01/2019	Paydown		612,712	612,712	253,440	253,440		359,272		359,272		612,712				16,219	07/10/2044	4FM
05950M-AF-7	BAFC 2006-G 2A5 FLT STEP AFC IRC PT 2.683% 07/20/36		05/20/2019	Paydown		476,578	476,578	443,217	453,736		22,842		22,842		476,578				5,610	07/20/2036	1FM
05950N-BK-3	BAFC 2006-5 4A2 SSNR NAS 6.000% 09/25/36		06/01/2019	Paydown		225,827	225,827	224,266	224,298		1,530		1,530		225,827				6,554	09/25/2036	2FM
05950R-AK-5	BAFC 2006-6 1A10 SSNR NAS 6.000% 08/25/36		06/01/2019	Paydown		163,805	173,106	162,939	168,306		4,534		4,534		172,840		(9,035)	(9,035)	3,785	08/25/2036	3FM
05951K-AK-9	BAFC 2006-7 1A9 PAC-11 AS 6.000% 09/25/36		06/01/2019	Paydown		183,125	219,924	59,640	22,768		164,065		164,065		186,833		(3,709)	(3,709)	5,066	09/25/2036	1FM
05951V-AA-7	BAFC 2006-1 1A1 CSTR SSNR AS 4.544% 12/20/36		06/01/2019	Paydown		550,464	550,464	526,192	526,567		23,897		23,897		550,464				10,035	12/20/2036	1FM
06051G-AA-7	BAFC 2002-1 A1 NAS 7.000% 04/20/32		06/01/2019	Paydown		210	210	215	210						210				6	04/20/2032	1FM
06051G-BR-9	BAFC 2004-2 2A1 PT AS 6.500% 07/20/32		06/01/2019	Paydown		7,682	7,682	7,394	7,412		270		270		7,682				204	07/20/2032	1FM

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
06051G-BZ-1	BAFC 2004-2 3A6 SEQ AS 5.500% 09/20/34 BAFC 2005-0 B1 SUB CSTR NAS 4.793% 05/25/35		06/01/2019	Paydown		126,091	126,091	122,157	122,387		3,704		3,704		126,091				2,868	09/20/2034	1FM
06051G-DQ-9			06/01/2019	Paydown		173,395	173,395	164,508	165,069		8,326		8,326		173,395				3,268	05/25/2035	1FM
06406H-BM-0	BANK OF NY MELLON CORP SR UNSEC 5.450% 05/15/19		05/15/2019	Maturity		2,500,000	2,500,000	2,496,750	2,499,847		153		153		2,500,000				68,125	05/15/2019	1FE
07383F-V5-4	BSOMS 2004-T16 X1 10 CSTR NTL 1.322% 02/13/46		06/01/2019	Paydown				517	517						517		(517)	(517)	1,764	02/13/2046	6*
07384M-K2-7	BSARM 2004-1 21A1 CSTR AS 4.631% 04/25/34		06/01/2019	Paydown		127,314	127,314	126,876	126,891		423		423		127,314				1,906	04/25/2034	1FM
07384M-Q8-8	BSARM 2004-3 2A CSTR AS 4.197% 07/25/34		06/01/2019	Paydown		466,812	466,812	467,103	466,754		58		58		466,812				7,494	07/25/2034	1FM
07387#-AA-2	BEAR SWAMP FINANCE LTD PTNSP SR 4.890% 10/08/25		06/30/2019	Redemption	100.0000																
073879-KC-1	BSABS 2004-HE9 M1 MEZ FLT STEP IRC 3.379% 11/25/34		06/25/2019	Paydown		738,051	738,051	646,629	683,482		54,569		54,569		738,051				11,944	11/25/2034	1FM
073879-QE-1	BSABS 2005-AC1 A CSTR STEP AFC 6.000% 02/25/35		06/01/2019	Paydown		1,536,774	1,536,774	1,205,354	1,118,552		418,222		418,222		1,536,774				33,963	02/25/2035	1FM
073879-SL-3	BSABS 2005-AC2 1A STEP AFC 5.250% 04/25/35		06/01/2019	Paydown																	
07387A-GZ-2	BSARM 2006-1 A1 XRESET FLT DLY AFC S 4.800% 02/25/36		06/03/2019	Paydown		291,512	291,512	235,013	210,409		81,103		81,103		291,512				5,895	04/25/2035	1FM
07387B-FY-4	BSOMS 2006-T22 D SUB CSTR 5.919% 04/12/38 BSABS 2007-HE7 1A1 FLT IRC SSNR 3.404% 10/25/37		06/01/2019	Paydown		507,560	507,560	486,607	495,860		11,700		11,700		507,560				9,142	02/25/2036	1FM
07387V-AA-7	BSMF 2007-ARS 1A1A FLT STEP AFC SSN 2.574% 06/25/2019		06/25/2019	Paydown		476,533	476,533	421,244	447,998		28,535		28,535		476,533				11,479	04/12/2038	1FM
07400N-AA-8	BSMF 2007-ARS 1A1A FLT STEP AFC SSN 2.574% 06/25/47		06/25/2019	Paydown		100,230	100,230	92,299	95,144		5,086		5,086		100,230				1,320	10/25/2037	1FM
07400N-AS-9	BSMF 2007-ARS 2A1 FLT STEP AFC IRC 2.584% 06/25/37		06/25/2019	Paydown		191,489	191,489	159,175	161,154		30,334		30,334		191,489				2,072	06/25/2047	1FM
075887-AX-7	BECTON DICKINSON AND CO SR UNSEC 5.000% 11/12/40		06/05/2019	Paydown		378,306	378,306	335,225	339,775		38,531		38,531		378,306				4,413	06/25/2037	1FM
075887-BW-8	BECTON DICKINSON AND CO SR UNSEC 3.700% 06/06/27		06/05/2019	TENDER SALE		26,773,250	25,000,000	24,825,790	24,850,971		1,621		1,621		24,852,592		1,920,658	1,920,658	704,861	11/12/2040	2FE
081437-AJ-4	BEMIS COMPANY INC SR UNSEC 3.100% 09/15/26		06/05/2019	TENDER SALE		14,008,424	13,921,000	13,625,944	13,634,050		12,152		12,152		13,646,202		362,222	362,222	256,108	06/06/2027	2FE
08860@-AA-8	WELLS FARGO BK NII-N.A.-IAG-CHA SR-SEC 5.697% 12/15/31		06/13/2019	Taxable Exchange		11,167,605	11,600,000	11,594,379	11,595,490		225		225		11,595,715		(428,110)	(428,110)	267,702	09/15/2026	2FE
08862@-AA-6	WELLS FARGO BK NII-N.A.-CLEMMON SR-SEC 6.210% 09/15/30		06/15/2019	Redemption	100.0000	34,692	34,692	34,692	34,692						34,692				824	12/15/2031	2
08864#-AA-2	WELLS FARGO BK NII-N.A.-IAG-CHA SR-SEC 6.320% 10/15/33		06/15/2019	Redemption	100.0000	47,963	47,963	48,218	48,111		(148)		(148)		47,963				1,242	09/15/2030	2
08866#-AA-0	WELLS FARGO BK-IAG ROCKWALL-TX SR-SEC 6.660% 01/15/34		06/15/2019	Redemption	100.0000	30,214	30,214	30,214	30,214						30,214				796	10/15/2033	2
08866@-AA-2	WELLS FARGO BK-N.A. SR-SEC 6.720% 12/15/33		06/15/2019	Redemption	100.0000	33,224	33,224	33,224	33,224						33,224				923	01/15/2034	2
08867@-AA-1	WELLS FARGO BK-IAG ROCKWALL-TX SR-SEC 6.570% 03/15/34		06/15/2019	Redemption	100.0000	35,433	35,433	35,433	35,433						35,433				993	12/15/2033	2
08868#-AA-8	WELLS FARGO BK NII-FAYETTEVILLE SR-SEC 6.850% 08/15/33		06/15/2019	Redemption	100.0000	32,536	32,536	32,536	32,536						32,536				891	03/15/2034	2
08868*-AA-2	BGS CTL PT TRUST-IAG BATESVILL SR-SEC 6.850% 03/15/34		06/15/2019	Redemption	100.0000	43,193	43,193	43,193	43,193						43,193				1,234	08/15/2033	2
08877@-AA-9	BGS CTL PT TRUST SER 2010-DC SR-SEC 6.489% 06/15/32		06/15/2019	Redemption	100.0000	53,301	53,301	53,301	53,301						53,301				1,522	03/15/2034	2
08878@-AA-8	BGS CTL PT TRUST-IAG ESSEXVILL 2010-SR-SEC 6.820% 07/15/33		06/15/2019	Redemption	100.0000	271,324	271,324	271,324	271,324						271,324				7,341	06/15/2032	1
08882*-AA-4	BGS CTL PT-CVS EVANSVILLE SR-SEC 6.043% 01/15/37		06/15/2019	Redemption	100.0000	31,999	31,999	31,999	31,999						31,999				910	07/15/2033	2
08886*-AA-0	BGS CTL PT TR SER 2012-DC SR-SEC 3.983% 06/15/32		06/15/2019	Redemption	100.0000	24,642	24,642	24,642	24,642						24,642				621	01/15/2037	2
			06/15/2019	Redemption	100.0000	59,551	59,551	59,551	59,551						59,551				989	06/15/2032	1

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
09536@-AA-0	BLUE CROSS BLUE SHIELD LEASE-B 3.650% 09/15/25		06/15/2019	Redemption 100.0000		555,586	555,586	555,586	555,586						555,586				8,337	09/15/2025	1
11042T-AA-1	BRITISH AIR 18-1 AA PTT PT CERTS 3.800% 09/20/31		06/20/2019	Paydown 100.0000		147,822	147,822	147,822	147,822						147,822				2,809	09/20/2031	1FE
11126@-AA-2	BROAD RIDGE PARTNERS-LP-STATE SR-SEC 7.550% 01/01/30		06/01/2019	Redemption 100.0000		145,153	145,153	145,153	145,153						145,153				4,570	01/01/2030	1
11215#-AA-2	BROKEN BOW WIND II-LLC SR-SEC 4.820% 06/30/39		06/30/2019	Redemption 100.0000		153,212	153,212	153,212	153,212						153,212				3,692	06/30/2039	2FE
11700*-AA-8	BRUNSWICK & GLYNN COUNTY DEV. SR-SEC 4.253% 07/10/35		06/10/2019	Redemption 100.0000		242,353	242,353	242,353	242,353						242,353				4,297	07/01/2035	1
11777L-AC-5	BSDB 2005-AFR1 X IO CSTR NTL 1.050% 09/15/27		06/15/2019	Paydown				45,238	1,887		(1,091)		(1,091)		796		(796)	(796)	1,838	09/15/2027	1FE
118230-AK-7	BUCKEYE PARTNERS LP SR UNSEC 4.150% 07/01/23		06/11/2019	Various 100.0000		28,853,859	30,000,000	29,573,441	29,772,848		20,581	2,674	17,907		29,790,754		(936,895)	(936,895)	1,171,973	07/01/2023	2FE
12200@-AA-6	BURLINGTN NO SF 04-1 TR PT CERTS 4.575% 01/15/21		04/09/2019	Redemption 100.0000		8,716	8,716	8,688	8,712		4		4		8,716				543	01/15/2021	1FE
12479R-AB-3	CAUTO 2014-1A A SEQ 3.660% 10/15/44		06/15/2019	Paydown		124,436	124,436	124,361	124,411		24		24		124,436				1,882	10/15/2044	1FE
12479R-AD-9	CAUTO 2017-1A A1 SEQ 3.870% 04/15/47		06/15/2019	Paydown		87,500	87,500	87,475	87,483		17		17		87,500				1,398	04/15/2047	1FE
12479R-AE-7	CAUTO 2017-1A A2 SEQ 4.180% 04/15/47		06/15/2019	Paydown		112,500	112,500	112,484	112,488		12		12		112,500				1,942	04/15/2047	1FE
124847-AC-8	ENTERCOM MEDIA CORP CO GUARNT 7.250% 11/01/24		04/24/2019	BANK OF AMERICA		406,000	400,000	400,000	400,000						400,000		6,000	6,000	14,097	11/01/2024	4FE
1248MP-AB-0	CBASS 2007-HIX1 A2 STEP AFC AS 5.763% 12/25/36		04/01/2019	Paydown		432	432	425	430		2		2		432				7	12/25/2036	3FE
1248RH-AA-5	CBASS 2007-CB6 A1 FLT STEP IRC 2.524% 07/25/37		06/25/2019	Paydown 100.0000		53,769	53,769	27,487	26,898		26,871		26,871		53,769				597	07/25/2037	1FM
12495@-AA-3	CCD-PR-NO 1-LLC-CVS DORADO SR-SEC 6.650% 01/15/36		06/15/2019	Redemption 100.0000		84,553	84,553	85,346	85,143		(591)		(591)		84,553				2,345	01/15/2036	2
12496@-AA-2	CBD GROUND LEASE TRUST-2013D-N SR-SEC 4.990% 05/15/44		06/15/2019	Redemption 100.0000		10,788	10,788	10,788	10,788						10,788				224	05/15/2044	1FE
12498#-AA-8	CBD GROUND LEASE TRUST-2014A-C SR-SEC 4.640% 01/15/44		06/15/2019	Redemption 100.0000		8,567	8,567	8,567	8,567						8,567				166	01/15/2044	1FE
12498@-AA-0	CBD GROUND LEASE TRUST 2014B-L SR-SEC 4.310% 08/15/43		06/15/2019	Redemption 100.0000		32,276	32,276	32,276	32,276						32,276				580	08/15/2043	1FE
12498N-AC-7	CBASS 2006-CB2 AF3 STEP AFC SEQ 3.426% 12/25/36		06/01/2019	Paydown 100.0000		75,008	75,008	64,196	65,424		9,583		9,583		75,008				1,110	12/25/2036	1FM
12502@-AA-4	CC-WRIGHTSTOWN WI LLC-COE SR-SEC 5.620% 02/28/22		06/10/2019	Redemption 100.0000		74,984	74,984	74,984	74,984						74,984				1,757	02/10/2022	2
12502Y-AP-8	CCRIN 2012-CA C SEQ 4.750% 07/10/22		06/10/2019	Paydown 100.0000		1,035,714	1,035,714	1,035,714	1,035,714						1,035,714				20,498	07/10/2022	1FE
12503#-AA-1	CC-TAMPA FL-LLC-COE SR-SEC 5.115% 06/30/23		06/10/2019	Redemption 100.0000		74,797	74,797	74,797	74,797						74,797				1,595	06/10/2023	2
12504@-AA-2	CBD GROUND LEASE TRUST-WAKE FO SR-SEC 4.280% 06/15/42		06/15/2019	Redemption 100.0000		38,300	38,300	38,300	38,300						38,300				779	06/15/2042	1FE
12514@-AA-0	CED CALIFORNIA HLDGS-LLC SR-SEC 4.780% 06/30/37		06/30/2019	Redemption 100.0000		277,826	277,826	277,826	277,826						277,826				6,640	06/30/2037	6PL
12524@-AA-8	CED WIND HLDGS-LLC 4.410% 12/31/28		06/30/2019	Redemption 100.0000		1,203,550	1,203,550	1,203,550	1,203,550						1,203,550				26,538	12/31/2028	2
12536#-AA-2	CGPC PT TRUST-WAG \$30 RBS SR-SEC 6.690% 11/01/32		06/01/2019	Redemption 100.0000		267,058	267,058	267,058	267,058						267,058				7,338	11/01/2032	2
12537#-AA-1	CGA SER 2009-CLT-4-GE 2009-SR-SEC 5.650% 12/10/23		06/10/2019	Redemption 100.0000		1,172,780	1,172,780	1,172,780	1,172,780						1,172,780				27,627	12/10/2023	1
12538#-AA-0	CGA CAPITAL LEASE BKD TRUST-UN 2012-SR-SEC 4.300% 01/31/30		06/10/2019	Redemption 100.0000		792,928	792,928	792,928	792,928						792,928				14,213	01/10/2030	2
12538*-AA-4	CGA CREDIT LEASE BKD TRUST-ELI SR-SEC 3.300% 07/31/27		06/10/2019	Redemption 100.0000		614,186	614,186	614,186	614,186						614,186				8,448	07/10/2027	1
12539#-AA-9	CGA CREDIT LEASED BACK TRUST-B 2013-SR-SEC 4.823% 04/10/41		06/10/2019	Redemption 100.0000		680,906	680,906	680,906	680,906						680,906				13,691	04/10/2041	1



STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 4

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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 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 and Admini- strative Symbol /Market Indicator (a)
12539*-AA-3	CREDIT LEASE-BKD PT-APACHE 2013-SR-SEC 4.270% 08/15/33		06/05/2019	Redemption 100.0000		338,839	338,839	338,839	338,839						338,839				6,031	08/05/2033	2
12540#-AA-6	CGA CAPITAL LEASE BKD TRUST-RI 2013-SR-SEC 4.738% 12/10/33		06/10/2019	Redemption 100.0000		112,269	112,269	112,269	112,269						112,269				2,218	12/10/2033	1
12540@-AA-8	CGA CAP CR LEASE-BKD PT TRUST- SR-SEC 4.700% 07/10/40		06/10/2019	Redemption 100.0000		352,454	352,454	352,454	352,454						352,454				6,906	07/10/2040	2
125433-AD-4	CIHL 2006-J3 A4 SEQ NAS 5.500% 05/25/36		06/01/2019	Paydown		28,450	28,450	18,479	12,464		15,987		15,987		28,450				652	05/25/2036	1FM
12543T-AD-7	CIHL 2006-13 1A4 SSNR NAS 6.250% 09/25/36		06/01/2019	Paydown		72,849	150,099	77,002	75,435		36,251		36,251		111,686		(38,837)	(38,837)	3,947	09/25/2036	1FM
12543U-AD-4	CIHL 2006-15 A4 SEQ AS 6.250% 10/25/36		06/01/2019	Paydown		70,924	125,537	68,911	70,713		30,753		30,753		101,466		(30,542)	(30,542)	4,841	10/25/2036	1FM
12543U-AE-2	CIHL 2006-15 A5 NAS 6.250% 10/25/36		06/01/2019	Paydown		35,576	62,970	36,292	37,068		14,521		14,521		51,589		(16,013)	(16,013)	2,416	10/25/2036	1FM
12543X-AD-8	CIHL 2006-19 1A4 SSNR NAS 6.000% 01/25/37		06/01/2019	Paydown		184,152	298,891	149,975	142,944		94,380		94,380		237,324		(53,172)	(53,172)	7,345	01/25/2037	1FM
12544A-AC-9	CIHL 2006-20 1A3 SSNR AS 6.000% 02/25/37 CIHL 2006-20 1A26 EXCH NAS 6.000% 02/25/37		06/01/2019	Paydown		54,691	328,119	206,273	204,499		16,535		16,535		221,033		(166,343)	(166,343)	9,099	02/25/2037	1FM
12544A-BB-0			06/01/2019	Paydown		23,229	139,363	57,453	35,548		15,599		15,599		51,147		(27,918)	(27,918)	3,865	02/25/2037	1FM
12544A-BJ-3	CIHL 2006-20 1A33 EXCH AS 6.000% 02/25/37		06/01/2019	Paydown		4,401	26,405		4,401						4,401				732	02/25/2037	1FM
12544D-AK-5	CIHL 2007-14 A10 SSNR NAS 6.000% 09/25/37		06/01/2019	Paydown		139,538	156,158	96,796	96,379		53,261		53,261		149,640		(10,103)	(10,103)	3,845	09/25/2037	1FM
12544D-AQ-2	CIHL 2007-14 A15 SSNR AS 6.500% 09/25/37		06/01/2019	Paydown		100,189	112,123	74,874	74,858		33,192		33,192		108,050		(7,861)	(7,861)	2,991	09/25/2037	1FM
12544L-AK-7	CIHL 2007-11 A10 SSNR NAS 6.000% 08/25/37		06/01/2019	Paydown		222,913	249,089	169,063	165,911		74,078		74,078		239,989		(17,076)	(17,076)	5,931	08/25/2037	1FM
12544R-AL-2	CIHL 2007-4 1A11 NAS 5.750% 05/25/37		06/01/2019	Paydown		73,882	126,899	42,064	45,526		46,715		46,715		92,240		(18,559)	(18,559)	2,830	05/25/2037	1FM
12545C-AU-4	CIHL 2007-10 A19 SSNR NAS 6.000% 07/25/37 CIC RECEIVABLES MASTER TRUST A-SR 4.890%		06/01/2019	Paydown		284,848	306,505	141,514	146,357		148,613		148,613		294,971		(10,123)	(10,123)	7,580	07/25/2037	1FM
12546A-AA-5	10/07/21 STATE OF CALIFORNIA-CHP MOJAVE SR-SEC		04/07/2019	Redemption 100.0000		2,416,585	2,416,585	2,442,462	2,429,800		(13,215)		(13,215)		2,416,585				59,086	10/07/2021	1FE
12555#-AA-8	5.600% 08/16/33 CGA CAP CR LEASEBKD-WHOLE FOOD SR-SEC		06/16/2019	Redemption 100.0000		122,577	122,577	122,577	122,577						122,577				2,862	08/16/2033	1
12555@-AA-0	5.060% 10/10/38 STATE OF CALIFORNIA-CHP GRASS SR-SEC 4.270%		06/10/2019	Redemption 100.0000		59,470	59,470	59,470	59,470						59,470				1,255	10/10/2038	2
12556*-AA-1	03/15/33 STATE OF CALIFORNIA-CHP STOCK SR-SEC		06/15/2019	Redemption 100.0000		99,785	99,785	99,785	99,785						99,785				1,776	03/15/2033	1
12557*-AA-6	4.310% 03/15/36 CHP LEASE-BKD PT TR-CHPS HQ SR-SEC 3.970%		06/15/2019	Redemption 100.0000		190,425	190,425	190,425	190,425						190,425				3,421	03/15/2036	1
12558#-AA-5	10/15/29 CGA LEASE-BKD TRUST-NIH CTL 2015 - 14 REAL		06/15/2019	Redemption 100.0000		935,362	935,362	935,362	935,362						935,362				15,284	10/15/2029	1
12558@-AA-7	ESTATE AS P 3.605% 09/10/35		06/10/2019	Paydown		1,076,289	1,076,289	1,076,289	1,076,289						1,076,289				16,174	09/10/2035	1
12563L-AE-7	QLIF 2017-1A A SEQ 3.620% 05/18/42		06/18/2019	Paydown		465,562	465,562	465,510	465,511		51		51		465,562				6,915	05/18/2042	1FE
12566R-AG-6	CMALT 2006-A6 1A7 SSNR NAS 6.000% 11/25/36		06/01/2019	Paydown		356,877	388,866	272,914	286,499		94,134		94,134		380,633		(23,756)	(23,756)	9,348	11/25/2036	1FM
12566X-AE-8	CMALT 2007-A7 1A5 SSNR NAS 6.250% 07/25/37		06/01/2019	Paydown		225,617	263,603	163,435	171,744		78,473		78,473		250,217		(24,600)	(24,600)	7,345	07/25/2037	1FM
12566X-AG-3	CMALT 2007-A7 1A7 SSNR AS 6.250% 07/25/37		06/01/2019	Paydown		108,889	127,223	76,868	82,896		38,004		38,004		120,900		(12,010)	(12,010)	3,545	07/25/2037	1FM
12585#-AA-2	CGA CAPITAL LEASE-BKD TRUST-BE 4.226% 10/10/41		06/10/2019	Redemption 100.0000		156,821	156,821	156,821	156,821						156,821				2,763	10/10/2041	1
12586*-AA-5	CGA CAPITAL TRUST LEASE BACKED 3.379% 12/10/36		06/10/2019	Redemption 100.0000		769,535	769,535	769,535	769,535						769,535				10,839	12/10/2036	1
125925-ER-4	CMC4 1997-2 1A1 PZ W CPT AS 0.000% 11/25/27		06/01/2019	Paydown		17	17				17		17		17				19	11/25/2027	1FM
12594*-AA-5	CGA CAPITAL CREDIT LEASE-BKD P 3.577% 08/10/32		06/10/2019	Redemption 100.0000		228,213	228,213	228,213	228,213						228,213				3,403	08/10/2032	1
12595#-AA-0	BNSF CGA CAPITAL CREDIT LEASE 4.400% 04/05/50		06/05/2019	Redemption 100.0000		32,769	32,769	32,769	32,769						32,769				601	04/05/2050	1
12597*-AA-2	CGA CAPITAL CREDIT LEASE-STATE SR-SEC 4.102% 12/10/26		06/10/2019	Redemption 100.0000		521,318	521,318	521,318	521,318						521,318				8,914	12/10/2026	1
12598*-AA-1	CGA CAPITAL CREDIT LEASE-BKD P SR-SEC 4.476% 08/10/38		06/10/2019	Redemption 100.0000		1,722,273	1,722,273	1,730,885	1,730,445		(8,171)		(8,171)		1,722,273				31,223	08/10/2038	1PL
12603@-AA-2	CGA CAP CR LEASE-BKD PT TR SER SR-SEC 4.476% 10/10/30		05/01/2019	Call 105.0000		55,428,976	52,789,500	52,789,500	52,789,500						52,789,500				3,564,928	10/10/2030	1

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 4

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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 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 and Admini- strative Symbol /Market Indicator (a)
126030-AA-2	CGA CAP CR LEASE-BKD PT TR SER SR-SEC 4.476% 10/10/30		06/10/2019	Redemption 100.0000		600,463	600,463	600,463	600,463						600,463				12,321	10/10/2030	1
126030-AA-2	CGA CAP CR LEASE-BKD PT TR SER SR-SEC 4.476% 10/10/30		04/10/2019	Redemption 100.0000		527,900	527,900	527,900	527,900						527,900				7,876	10/10/2030	1Z
12605*-AA-2	CGA CAPITAL CR LEASE-BKD TR-SE SR-UNSEC 3.967% 02/10/29		06/10/2019	Redemption 100.0000		549,354	549,354	549,354							549,354				5,648	02/10/2029	1Z
12607*-AA-6	CGA CAP CR LEASE-BKD PT TR SER SR-SEC 4.900% 11/30/43		06/10/2019	Redemption 100.0000		62,970	62,970	62,970							62,970				86	11/30/2043	2Z
12636*-AA-5	MD/CP-SEA TRAIL-LLC-WAG SUNSET SR-SEC 6.450% 08/15/28		04/09/2019	Call 117.3437		1,933,150	1,647,425	1,647,425	1,647,425						1,647,425				318,195	08/15/2028	2
126378-AH-1	CSMC 2007-1 144 AFC SSNR AS 6.131% 02/25/37		06/01/2019	Paydown		192,623	192,623	72,236	70,671		121,952		121,952		192,623				2,226	02/25/2037	1FIM
126384-AR-7	CSMC 2007-2 345 SEQ AS 5.500% 03/25/37		06/01/2019	Paydown		67,843	67,482	46,081	35,610		32,052		32,052		67,662		180	180	1,569	03/25/2037	1FIM
12648F-AK-5	CSMC 2014-SAF1 A8 AFC 4.000% 03/25/44		06/01/2019	Paydown		749,070	749,070	744,388	744,396		4,674		4,674		749,070				12,700	03/25/2044	1FIM
12649#-AA-6	CTL 2009-14 TRUST-NYU LONDON 6 SR-SEC 6.275% 07/15/30		06/15/2019	Redemption 100.0000		325,156	325,156	325,156	325,156						325,156				8,507	07/15/2030	1
1264K#-AA-3	CTL PT TRUST SER 2013-TD BK NA SR-SEC 4.090% 01/15/34		06/15/2019	Redemption 100.0000		37,362	37,362	37,362	37,362						37,362				637	01/15/2034	1
1264K@-AA-5	CTL PT TR SER 2017-CUMMINS SR-SEC 3.808% 08/15/37		06/15/2019	Redemption 100.0000		137,946	137,946	137,946	137,946						137,946				2,190	08/15/2037	1
12652*-AA-4	CTL 2010-2 TRUST-LEHIGH VALLEY SR-SEC 6.365% 08/15/29		06/15/2019	Redemption 100.0000		251,640	251,640	251,640	251,640						251,640				6,678	08/15/2029	1
12654@-AA-0	WELLS FARGO BK NW NA-DEUTSCHE SR-SEC 4.910% 03/15/26		06/15/2019	Redemption 100.0000		1,601,736	1,601,736	1,601,736	1,601,736						1,601,736				32,787	03/15/2026	2
12655#-AA-7	CTL PT TRUST-GSA ERIE 2011-SR-SEC 4.500% 05/15/25		06/15/2019	Redemption 100.0000		114,660	114,660	114,660	114,660						114,660				2,151	05/15/2025	1
12656@-AA-8	CTL PT TRUST SER 2011-VA BEND SR-SEC 4.320% 10/15/32		06/15/2019	Redemption 100.0000		111,226	111,226	112,338	112,080		(855)		(855)		111,226				2,003	10/15/2032	1
12657*-AA-9	CTL PT TRUST-VA PARMA 2012-SR-SEC 5.000% 01/18/32		06/18/2019	Redemption 100.0000		184,984	184,984	184,984	184,984						184,984				3,856	01/18/2032	1
12665#-AA-5	WELLS FARGO BK NW-NA-CVS SR-SEC 5.634% 12/10/27		06/10/2019	Redemption 100.0000		340,904	340,904	340,904	340,904						340,904				7,934	12/10/2027	2
126650-AQ-3	PT TRUST-CVS 144A SECONDARY SR-SEC 5.789% 01/10/26		06/10/2019	Redemption 100.0000		244,272	244,272	244,382	244,315		(43)		(43)		244,272				5,896	01/10/2026	2FE
126650-BA-7	WELLS FARGO BK-CVS 2010 SECOND SR-SEC 5.411% 10/10/27		06/10/2019	Redemption 100.0000		78,640	78,640	75,735	76,982		1,658		1,658		78,640				1,774	10/10/2027	2
126650-BP-4	CVS PASS-THROUGH TRUST PT CERTS 6.036% 12/10/28		06/10/2019	Redemption 100.0000		336,688	336,688	336,135	336,367		322		322		336,688				8,473	12/10/2028	2FE
12666*-AA-8	CVS LEASE-BKD TRUST 2006 B SR-SEC 6.323% 01/10/29		06/10/2019	Redemption 100.0000		758,433	758,433	758,433	758,433						758,433				19,996	01/10/2029	2
12666@-AA-6	CVS LEASE-BKD PT CERT SER 2007 SR-SEC 6.212% 03/10/28		06/10/2019	Redemption 100.0000		82,408	82,408	82,408	82,408						82,408				2,134	03/10/2028	2
126670-CL-0	CWIL 2005-11 AF6 AFC NAS 5.050% 02/25/36		06/01/2019	Paydown		143,362	143,362				143,362		143,362		143,362				2,777	02/25/2036	1FIM
126670-GR-3	CWIL 2005-13 AF4 AFC AS 5.805% 04/25/36		06/01/2019	Paydown		95,388	184,446	117,644	122,419		34,560		34,560		156,979		(61,591)	(61,591)	4,323	04/25/2036	1FIM
126670-QT-8	CWIL 2005-17 1AF3 AFC 5.711% 05/25/36		06/01/2019	Paydown		109,953	109,953	26,058	24,561		85,392		85,392		109,953				1,934	05/25/2036	1FIM
126670-QU-5	CWIL 2005-17 1AF4 STEP AFC 6.047% 05/25/36		06/01/2019	Paydown		30,464	30,464	7,591	7,703		22,761		22,761		30,464				522	05/25/2036	1FIM
126671-2V-7	CWIL 2004-BC1 M2 MEZ FLT STEP IRC 4.009% 01/25/34		04/25/2019	Paydown		38,018	38,018	30,476	36,157		1,861		1,861		38,018				520	01/25/2034	1FIM
126671-4B-9	CWIL 2004-2 M3 MEZ FLT STEP 3.754% 04/25/34		06/25/2019	Paydown		67,908	67,908	46,438	49,214		18,694		18,694		67,908				1,160	04/25/2034	1FIM
126671-R2-4	CWIL 2003-5 AF5 STEP AFC AS 5.130% 02/25/34		06/01/2019	Paydown		299,660	299,660	298,584	298,802		859		859		299,660				6,342	02/25/2034	1FIM
126671-R6-5	CWIL 2003-5 MF3 MEZ AFC NAS 5.130% 09/25/33		04/01/2019	Paydown		12,125	12,125				12,125		12,125		12,125				208	09/25/2033	1FIM
126671-R7-3	CWIL 2003-5 MF4 MEZ AFC NAS 5.130% 08/25/33		04/01/2019	Paydown		85,042	85,042				85,042		85,042		85,042				1,378	08/25/2033	1FIM
126671-TV-8	CWIL 2002-5 MF2 MEZ NAS 5.887% 01/25/33		06/01/2019	Paydown		13,843	13,843				13,843		13,843		13,843				31	01/25/2033	1FIM

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
126671-UP-9	CWL 2002-6 AF5 STEP AFC AS 3.534% 05/25/33		06/01/2019	Paydown		71,380	71,380	71,379	71,337		43		43		71,380				1,214	05/25/2033	1FM
126671-Z2-5	CWL 2004-1 M1 MEZ FLT STEP IRC 3.154% 03/25/34		06/25/2019	Paydown		235,861	235,861	181,023	198,985		36,876		36,876		235,861				3,272	03/25/2034	1FM
126673-AW-2	CWL 2004-6 1A1 FLT STEP IRC 2.944% 12/25/34		06/25/2019	Paydown		73,099	73,099	69,078	70,604		2,494		2,494		73,099				1,036	12/25/2034	1FM
126673-DN-9	CWL 2004-7 AF5 STEP AFC AS 4.721% 01/25/35		06/01/2019	Paydown		514,908	514,908	514,882	513,395		1,513		1,513		514,908				10,281	01/25/2035	1FM
126673-FZ-0	CWL 2004-9 AF5 STEP AFC AS 5.797% 02/25/35		06/01/2019	Paydown		230,250	230,250	230,239	229,773		477		477		230,250				4,984	02/25/2035	1FM
126673-JA-1	CWL 2004-10 AF5A STEP AFC AS 4.667% 02/25/35		06/01/2019	Paydown		285,164	285,164	285,157	284,726		438		438		285,164				5,892	02/25/2035	1FM
126673-N9-9	CWL 2005-4 AF6 AFC NAS 4.740% 10/25/35		06/01/2019	Paydown		234,006	234,006	197,562	201,730		32,276		32,276		234,006				4,302	10/25/2035	1FM
126673-ND-0	CWL 2004-12 AF5 STEP AFC AS 5.676% 04/25/35		06/01/2019	Paydown		468,407	468,407	460,692	465,890		2,517		2,517		468,407				9,365	04/25/2035	1FM
126673-NE-8	CWL 2004-12 AF6 AFC NAS 4.634% 03/25/35		06/01/2019	Paydown		13,515	13,515	12,735	13,154		361		361		13,515				252	03/25/2035	1FM
126673-0X-3	CWL 2004-13 AF6 AFC NAS 4.581% 04/25/35		06/01/2019	Paydown		11,459	11,459	9,371	10,303		1,157		1,157		11,459				225	04/25/2035	1FM
126673-SN-3	CWL 2004-13 AF5B STEP AFC AS 5.103% 05/25/35		06/01/2019	Paydown		241,247	241,247	228,929	231,924		9,323		9,323		241,247				4,931	05/25/2035	1FM
126673-TW-2	CWL 2004-15 AF6 AFC 4.613% 04/25/35		06/01/2019	Paydown		3,654	3,654	3,398	3,533		121		121		3,654				72	04/25/2035	1FM
126673-Y7-1	CWL 2005-7 AF4 AFC AS 4.867% 09/25/34		06/01/2019	Paydown		1,840,687	1,840,687	1,480,730	1,775,018		65,669		65,669		1,840,687				36,326	09/25/2034	1FM
126673-Y9-7	CWL 2005-7 AF6 AFC NAS 4.693% 10/25/35		06/01/2019	Paydown		96,866	96,866	85,242	89,968		6,898		6,898		96,866				1,824	10/25/2035	1FM
126673-ZF-2	CWL 2005-2 M4 MEZ FLT STEP IRC 3.469% 08/25/35		06/25/2019	Paydown		923,831	923,831	832,892	872,941		50,890		50,890		923,831				13,814	08/25/2035	1FM
126673-ZU-9	CWL 2005-3 AF6 AFC NAS 5.219% 08/25/35		06/01/2019	Paydown		48,142	48,142	43,929	45,450		2,692		2,692		48,142				930	08/25/2035	1FM
12667F-2J-3	CWALT 2005-1CB 1A3 Z SSNR AS 5.500% 03/25/35		06/01/2019	Paydown		884,745	884,745	774,598	797,813		86,931		86,931		884,745				20,467	03/25/2035	1FM
12667F-4N-2	CWALT 2005-7CB 2A3 NAS 5.500% 04/25/35		06/01/2019	Paydown		190,417	201,254	162,812	169,302		30,235		30,235		199,538		(9,120)	(9,120)	4,687	04/25/2035	1FM
12667F-5J-0	CWALT 2005-6CB 1A7 SSNR NAS 5.500% 04/25/35		06/01/2019	Paydown		224,505	224,505	214,520	220,923		3,582		3,582		224,505				5,016	04/25/2035	2FM
12667F-5Z-4	CWALT 2005-J2 1A4 SSNR NAS 5.500% 04/25/35		06/01/2019	Paydown		233,815	233,815	202,703	202,274		31,541		31,541		233,815				5,068	04/25/2035	1FM
12667F-7D-1	CWALT 2005-4 1A6 SSNR NAS 5.500% 04/25/35		06/01/2019	Paydown		37,971	37,971	30,716	30,895		7,077		7,077		37,971				862	04/25/2035	1FM
12667F-AQ-8	CWALT 2004-2CB 1A9 Z AS 5.750% 03/25/34		06/01/2019	Paydown		1,976,755	1,976,755	1,792,660	1,914,198		62,558		62,558		1,976,755				48,316	03/25/2034	1FM
12667F-CG-8	CWALT 2004-4CB 1A6 Z AS 5.500% 04/25/34		06/01/2019	Paydown		1,337,877	1,337,877	1,285,542	1,322,754		15,123		15,123		1,337,877				31,370	04/25/2034	1FM
12667F-E6-8	CWALT 2004-J12 A4 NAS 5.500% 01/25/35		06/01/2019	Paydown		139,090	139,090	95,436	78,256		60,834		60,834		139,090				3,639	01/25/2035	1FM
12667F-G4-1	CWALT 2004-30CB 1A6 Z AS 5.500% 02/25/35		06/01/2019	Paydown		2,491,508	2,491,508	2,403,629	2,457,988		33,519		33,519		2,491,508				57,659	02/25/2035	1FM
12667F-HU-2	CWALT 2004-9T1 A11 SSNR NAS 5.500% 07/25/34		06/01/2019	Paydown		140,892	140,892	138,558	138,643		2,249		2,249		140,892				3,227	07/25/2034	1FM
12667F-KJ-3	CWALT 2004-13CB A3 SEQ AS 6.000% 07/25/34		06/01/2019	Paydown		782,032	782,032	808,670	790,238		(8,206)		(8,206)		782,032				18,973	07/25/2034	1FM
12667F-MU-6	CWALT 2004-14T2 A8 SEQ SSNR AS 5.500% 08/25/34		06/01/2019	Paydown		764,206	764,206	724,999	725,782		38,423		38,423		764,206				19,934	08/25/2034	1FM
12667F-N8-4	CWALT 2004-34T1 A4 SSNR NAS 5.500% 02/25/35		05/01/2019	Paydown		233,698	233,698	234,976	233,793		(95)		(95)		233,698				5,299	02/25/2035	2FM
12667F-QQ-1	CWALT 2004-18CB 2A8 Z AS 6.000% 09/25/34		06/01/2019	Paydown		1,088,066	1,088,066	1,070,713	1,077,379		10,687		10,687		1,088,066				25,114	09/25/2034	1FM
12667F-RY-3	CWALT 2004-22CB 1A1 SEQ AS 6.000% 10/25/34		06/01/2019	Paydown		48,762	48,762	39,548	39,620		9,141		9,141		48,762				1,285	10/25/2034	1FM
12667F-VN-2	CWALT 2004-24CB 1A1 SEQ AS 6.000% 11/25/34		06/01/2019	Paydown		103,018	103,018	85,732	86,911		16,107		16,107		103,018				2,763	11/25/2034	1FM
12667F-W9-2	CWALT 2005-3CB 1A3 SEQ AS 5.500% 03/25/35		06/01/2019	Paydown		13,399	14,224	4,191	1,086		12,376		12,376		13,462		(63)	(63)	323	03/25/2035	1FM
12667F-X9-1	CWALT 2005-3CB 1A11 SEQ AS 5.500% 03/25/35		06/01/2019	Paydown		1,902	2,019	800	275		1,644		1,644		1,918		(16)	(16)	46	03/25/2035	1FM
12667F-YZ-2	CWALT 2004-28CB M SUB CSTR NAS 5.885% 01/25/35		06/01/2019	Paydown		8,731	613,840				8,731		8,731		8,731				19,657	01/25/2035	6FM
12667F-ZH-1	CWALT 2004-29CB A3 SSNR NAS 5.500% 01/25/35		06/01/2019	Paydown		1,169,042	1,169,042	1,149,084	1,156,095		12,947		12,947		1,169,042				26,955	01/25/2035	1FM
12667F-ZK-4	CWALT 2004-29CB A5 Z AS 5.500% 01/25/35		06/01/2019	Paydown		1,126,373	1,126,373	1,076,244	1,117,406		8,967		8,967		1,126,373				25,984	01/25/2035	1FM

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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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 and Admini- strative Symbol /Market Indicator (a)
12667G-AC-7	CWALT 2005-13CB A3 SEQ AS 5.500% 05/25/35 CWALT 2005-10CB 1A5 SSNR NAS 5.500%		06/01/2019	Paydown		47,028	64,489	30,310	19,278		32,842		32,842		52,119		(5,091)	(5,091)	1,597	05/25/2035	1FM
12667G-BA-0	05/25/35 CWALT 2005-9CB 1A1 FLT IRC AS 2.904%		06/01/2019	Paydown		659,149	659,149	609,381	603,790		55,359		55,359		659,149				15,093	05/25/2035	1FM
12667G-EK-5	05/25/35 CWALT 2005-9CB 1A5 FLT IRC AS 2.904%		06/25/2019	Paydown		128,201	130,123	98,171	95,412		34,193		34,193		129,605		(1,405)	(1,405)	1,762	05/25/2035	1FM
12667G-EP-4	05/25/35 CWALT 2005-18CB A5 SSNR NAS 5.500% 05/25/35		06/25/2019	Paydown		63,473	64,424	46,606	46,699		17,462		17,462		64,161		(689)	(689)	872	05/25/2035	1FM
12667G-FB-4	06/01/2019		06/01/2019	Paydown		644,443	644,443	584,272	583,290		61,153		61,153		644,443				15,133	05/25/2035	1FM
12667G-FT-5	CWALT 2005-9CB 1A7 SEQ AS 5.500% 05/25/35 CWALT 2005-11CB 2A3 SSNR NAS 5.500%		06/01/2019	Paydown		233,044	236,538	172,126	177,566		58,096		58,096		235,662		(2,618)	(2,618)	5,896	05/25/2035	1FM
12667G-JF-1	06/25/35 CWALT 2005-11CB 2A4 SSNR NAS 5.500%		06/01/2019	Paydown		51,084	51,084	32,531	27,341		23,744		23,744		51,084				1,183	06/25/2035	1FM
12667G-JG-9	06/25/35 CWALT 2005-11CB 2A6 AD AS 5.500% 06/25/35		06/01/2019	Paydown		149,141	149,141	138,553	142,995		6,146		6,146		149,141				3,454	06/25/2035	1FM
12667G-JJ-3	CWALT 2005-11CB 3A1 Z SSNR NAS 5.500%		06/01/2019	Paydown		173,845	173,342	87,103	86,246		107,410		107,410		173,656		190	190	4,035	06/25/2035	1FM
12667G-JR-5	06/25/35 CWALT 2005-21CB A5 NAS 5.500% 06/25/35		06/01/2019	Paydown		331,952	331,952	292,147	297,760		34,192		34,192		331,952				7,962	06/25/2035	1FM
12667G-KE-2	CWALT 2005-23CB A4 SSNR NAS 5.500% 07/25/35		06/01/2019	Paydown		203,864	216,587	158,320	161,860		51,530		51,530		213,390		(9,526)	(9,526)	5,161	06/25/2035	1FM
12667G-LE-1	CWALT 2005-20CB 1A1 SEQ AS 5.500% 07/25/35		06/01/2019	Paydown		348,159	348,159	318,482	330,214		17,945		17,945		348,159				8,085	07/25/2035	1FM
12667G-PT-4	CWALT 2005-20CB 2A4 SSNR NAS 5.500%		06/01/2019	Paydown		49,930	53,853	23,163	13,806		37,106		37,106		50,912		(983)	(983)	1,212	07/25/2035	1FM
12667G-QA-4	07/25/35 CWALT 2005-26CB A1 FLT IRC AS 2.904%		06/01/2019	Paydown		163,829	163,829	119,205	120,963		42,866		42,866		163,829				3,864	07/25/2035	1FM
12667G-TM-5	07/25/35 CWALT 2005-26CB A6 NAS 5.500% 07/25/35		06/25/2019	Paydown		103,827	111,267	54,115	53,244		54,174		54,174		107,418		(3,591)	(3,591)	1,509	07/25/2035	1FM
12667G-TS-2	CWALT 2005-28CB A6 NAS 5.500% 07/25/35		06/01/2019	Paydown		73,626	78,902	40,095	30,313		45,319		45,319		75,631		(2,006)	(2,006)	1,969	07/25/2035	1FM
12667G-UG-6	CWALT 2005-29CB A4 AD AS 5.000% 07/25/35 CWALT 2005-34CB 1A4 SSNR NAS 5.500%		06/01/2019	Paydown		23,031	23,621	9,321	9,069		14,185		14,185		23,253		(222)	(222)	528	07/25/2035	1FM
12667G-W7-4	09/25/35 CWALT 2005-36 2A1A FLT STEP AFC SSNR 2.714%		06/01/2019	Paydown		339,048	339,048	309,959	313,132		25,916		25,916		339,048				7,904	09/25/2035	1FM
12667G-WF-6	08/25/35 CWALT 2005-28CB 1A9 FLT AS 2.954% 08/25/35		06/25/2019	Paydown		267,411	266,877	99,120	73,019		194,242		194,242		267,261		150	150	3,466	08/25/2035	1FM
12667G-WY-5	06/25/2019		06/25/2019	Paydown		154,756	154,502	106,447	101,982		52,607		52,607		154,590		167	167	1,972	08/25/2035	1FM
12668*-AA-6	CYS LEASE BKD PT CTF SER 2008B SR-SEC 8.235% 01/15/34		06/15/2019	Redemption	100.0000	57,550	57,550	57,550	57,550						57,550				1,977	01/15/2034	2
12668A-AG-0	CWALT 2005-47CB A7 SEQ SSNR AS 5.500%		06/01/2019	Paydown		197,418	256,365	128,117	130,975		96,152		96,152		227,126		(29,708)	(29,708)	5,566	10/25/2035	1FM
12668A-BN-4	10/25/35 CWALT 2005-J10 1A16 PAC-11 AS 5.500%		06/01/2019	Paydown		471,583	522,003	99,852	97,854		383,051		383,051		480,905		(9,322)	(9,322)	11,781	10/25/2035	1FM
12668A-MH-5	CWALT 2005-49CB A3 SSNR NAS 5.500% 11/25/35		06/01/2019	Paydown		249,496	249,496	223,736	228,665		20,831		20,831		249,496				5,930	11/25/2035	1FM
12668A-SQ-9	CWALT 2005-J12 1A2 STEP AFC AS 5.765%		06/01/2019	Paydown		295,093	295,093	172,404	170,059		125,034		125,034		295,093				6,543	11/25/2035	1FM
12668A-SR-7	CWALT 2005-J12 1A3 STEP AFC AS 6.074%		06/01/2019	Paydown		153,065	153,065	84,678	80,384		72,681		72,681		153,065				3,427	11/25/2035	1FM
12669*-AA-5	WELLS FARGO-CYS 2010 SALE LEAS SR-SEC 6.830% 10/10/32		06/10/2019	Redemption	100.0000	725,221	725,221	725,221	725,221						725,221				20,654	10/10/2032	2
12669A-AG-3	CWHL 2005-19 1A7 Z AS 5.500% 08/25/35		06/01/2019	Paydown		445,490	447,149	324,409	342,789		103,969		103,969		446,758		(1,268)	(1,268)	10,666	08/25/2035	1FM
12669A-AJ-7	CWHL 2005-19 1A9 SSNR NAS 5.500% 08/25/35		06/01/2019	Paydown		156,565	157,122	133,582	135,375		21,670		21,670		157,045		(480)	(480)	3,749	08/25/2035	1FM
12669A-CE-6	CWHL 2005-21 A2 SSNR AS 5.500% 10/25/35		06/01/2019	Paydown		211,526	211,526	107,271	103,306		108,221		108,221		211,526				4,875	10/25/2035	1FM
12669A-HK-7	CWHL 2005-25 A6 SSNR NAS 5.500% 11/25/35		06/01/2019	Paydown		129,516	122,988	106,133	107,653		16,199		16,199		123,852		5,664	5,664	2,704	11/25/2035	1FM
12669A-JS-8	CWHL 2005-24 A2 SEQ AS 5.500% 11/25/35 CWHL 2005-27 1A7 AD SSNR AS 5.500% 12/25/35		06/01/2019	Paydown		377,356	448,550	311,395	315,943		110,886		110,886		426,829		(49,473)	(49,473)	10,927	11/25/2035	1FM
12669A-RG-5	06/01/2019		06/01/2019	Paydown		80,878	80,878	51,148	50,257		30,621		30,621		80,878				2,007	12/25/2035	1FM
12669A-RP-5	CWHL 2005-J4 A6 SEQ AS 5.500% 11/25/35		06/01/2019	Paydown		430,164	430,894	363,622	365,875		64,907		64,907		430,782		(618)	(618)	9,790	11/25/2035	1FM
12669A-TU-2	CWHL 2005-30 A5 SSNR AS 5.500% 01/25/36		06/01/2019	Paydown		62,119	80,136	64,584	58,021		16,994		16,994		75,015		(12,897)	(12,897)	1,569	01/25/2036	1FM

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
..126694-TW-8	CIHL 2005-30 A7 SSNR AS 5.500% 01/25/36 CIHL 2006-9 A5 Z PAC-11 AS 6.000% 05/25/36		06/01/2019	Paydown		209,439	270,186	215,042	222,823		36,315		36,315		259,138		(49,699)	(49,699)	5,290	01/25/2036	1FM
..126694-W6-1	CIHL 2006-J1 1A2 SEQ AS 5.750% 02/25/36		06/01/2019	Paydown		187,652	187,652	113,466	117,144		70,508		70,508		187,652				4,786	05/25/2036	1FM
..126694-XQ-6	CIHL 2006-J1 1A2 SEQ AS 5.750% 02/25/36		06/01/2019	Paydown		370,714	371,135	104,641	100,232		270,590		270,590		370,821		(107)	(107)	9,824	02/25/2036	1FM
..12669C-TT-1	CIHL 2002-18 A8 SSNR NAS 6.000% 11/25/32		06/01/2019	Paydown		34,587	34,587	35,450	34,692		(105)		(105)		34,587				865	11/25/2032	1FM
..126690-BA-5	CIHL 2002-19 1A1 NAS 6.250% 11/25/32 CIHL 2002-34 A4 AD SSNR PZ AS PAC W 5.750%		06/01/2019	Paydown		86,007	86,007	86,007	86,007						86,007				2,655	11/25/2032	1FM
..12669D-PA-0	01/25/33 CIHL 2003-44 A10 SSNR NAS 5.000% 10/25/33		06/01/2019	Paydown		204,769	204,769	209,856	204,769						204,769				4,152	01/25/2033	1FM
..12669E-PB-3	CIHL 2003-44 A10 SSNR NAS 5.000% 10/25/33 CIHL 2004-13 2A3 PAC-11 SSNR AS 5.750%		06/01/2019	Paydown		326,294	311,613	326,294	311,613		14,681		14,681		326,294				6,801	10/25/2033	1FM
..12669F-K2-8	08/25/34 CIHL 2004-13 2A18 SEQ SSNR AS 6.000%		06/01/2019	Paydown		113,532	113,532	112,224	112,239		1,294		1,294		113,532				2,843	08/25/2034	1FM
..12669F-S2-0	06/25/34 CIHL 2004-5 2A19 PAC-11 AS 5.250% 05/25/34		06/01/2019	Paydown		116,692	116,692	116,350	116,345		347		347		116,692				3,049	08/25/2034	1FM
..12669F-WP-4	06/01/2019 CIHL 2004-8 1A4 NAS 5.250% 07/25/34		06/01/2019	Paydown		104,017	104,017	101,311	101,373		2,645		2,645		104,017				2,556	05/25/2034	1FM
..12669F-ZL-0	06/01/2019 CIHL 2005-16 A19 SEQ AS 5.500% 09/25/35		06/01/2019	Paydown		120,026	120,026	111,212	111,579		8,447		8,447		120,026				2,326	07/25/2034	1FM
..12669G-3M-1	06/01/2019 CIHL 2005-J3 1A2 PAC-11 AS 5.500% 09/25/35		06/01/2019	Paydown		9,071	9,011				9,071		9,071		9,071				185	09/25/2035	1FM
..12669G-4K-4	06/01/2019 CIHL 2005-17 1A8 SSNR NAS 5.500% 09/25/35		06/01/2019	Paydown		37,315	71,448	37,417	25,054		23,766		23,766		48,820		(11,505)	(11,505)	1,856	09/25/2035	1FM
..12669G-5U-1	06/01/2019 CIHL 2004-HYB6 A2 CSTR PT SSNR AS 4.269%		06/01/2019	Paydown		85,028	85,028	52,896	57,775		27,253		27,253		85,028				2,193	09/25/2035	1FM
..12669G-BA-8	11/20/34 CIHL 2004-J9 2A4 SEQ SSNR AS 5.500%		06/01/2019	Paydown		56,935	56,935	50,072	46,901		10,034		10,034		56,935				1,103	11/20/2034	1FM
..12669G-FJ-5	01/25/35 CIHL 2005-J2 2A1 FLT PAC-11 AS 2.804%		06/01/2019	Paydown		146,180	146,180	144,382	144,410		1,770		1,770		146,180				2,985	01/25/2035	1FM
..12669G-U2-5	08/25/35 CIHL 2005-J2 3A13 SEQ AS 6.000% 08/25/35		06/25/2019	Paydown		31,744	27,817	19,976	18,989		10,126		10,126		29,114		2,629	2,629	421	08/25/2035	1FM
..12669G-W4-9	06/01/2019 CIHL 2005-HYB2 2A CSTR PT AS 4.434%		06/01/2019	Paydown		65,966	65,954	46,762	39,893		26,065		26,065		65,959		7	7	1,557	08/25/2035	1FM
..12669G-WU-1	05/20/35 CIHL 2005-12 1A4 SSNR NAS 5.250% 05/25/35		06/01/2019	Paydown		1,317,744	1,317,744	1,237,408	1,240,121		77,623		77,623		1,317,744				24,088	05/20/2035	1FM
..12669G-XM-8	06/01/2019 CIHL 2005-10 A2 SEQ AS 5.500% 05/25/35		06/01/2019	Paydown		155,145	155,145	110,552	89,772		65,372		65,372		155,145				3,339	05/25/2035	1FM
..12669G-YM-7	06/01/2019 CIHL 2005-10 A2 SEQ AS 5.500% 05/25/35		06/01/2019	Paydown		133,421	133,421	93,150	82,034		51,387		51,387		133,421				3,070	05/25/2035	1FM
..12669Y-AC-6	06/01/2019 CIHL 2006-J4 A3 SEQ AS 6.250% 09/25/36		06/01/2019	Paydown		18,755	18,755	8,530	4,756		13,791		13,791		18,546		(66)	(66)	569	09/25/2036	1FM
..12669Y-AE-2	06/01/2019 CIHL 2006-J4 A5 NAS 6.250% 09/25/36		06/01/2019	Paydown		66,838	67,834				66,838		66,838		66,838				2,060	09/25/2036	1FM
..12669Y-AF-9	06/01/2019 CIHL 2006-J4 A6 SEQ SSNR AS 6.000% 09/25/36		06/01/2019	Paydown		98,005	99,465	26,626	22,848		75,478		75,478		98,326		(321)	(321)	2,900	09/25/2036	1FM
..12669Y-AH-5	06/01/2019 CIHL 2006-J4 A8 SEQ AS 6.500% 09/25/36		06/01/2019	Paydown		71,753	72,823	15,835	12,699		59,233		59,233		71,932		(179)	(179)	2,300	09/25/2036	1FM
..12669Y-AX-0	06/01/2019 CIHL 2006-J4 A12 NAS 6.250% 09/25/36		06/01/2019	Paydown		69,008	70,037	15,696	12,742		56,445		56,445		69,188		(179)	(179)	2,127	09/25/2036	1FM
..12670A-AF-8	06/01/2019 CIHL 2006-14 A6 SEQ AS 6.250% 09/25/36 CVS LEASE BKD PT PRIVATE PLACE 2011-SR-SEC		06/01/2019	Paydown		95,057	281,178	142,974	139,548		45,679		45,679		185,227		(90,170)	(90,170)	8,380	09/25/2036	1FM
..12671*-AA-1	5.500% 12/10/33 CBD GROUND LEASE TRUST-TAMPA 2014-SR-SEC		06/10/2019	Redemption	100.0000		720,975	720,975	720,975						720,975				16,532	12/10/2033	2
..12682@-AA-6	3.854% 09/15/43 Redemption 100.0000		06/15/2019	Redemption	100.0000		85,415	85,415	85,415						85,415				1,372	09/15/2043	1FE
..12684#-AA-2	CSCC LLC SR 3.790% 06/30/32 Redemption 100.0000		06/30/2019	Redemption	100.0000		715,000	715,000	715,000						715,000				13,549	06/30/2032	2
..12695@-AA-1	CTL PT TR SER 2016-UNM 3.770% 07/20/47 Redemption 100.0000		06/20/2019	Redemption	100.0000		162,541	162,541	164,166		(1,523)		(1,523)		162,541				2,554	07/20/2047	1
..12696#-AA-8	CTL PT TRUST-HSS 4.210% 09/15/47 CTL PT TRUST-SER 2017-POST FAL 4.606%		06/15/2019	Redemption	100.0000		57,273	57,273	57,836		(534)		(534)		57,273				1,005	09/15/2047	1FE
..12698@-AA-8	08/31/37 CTL PT TRUST-SER 2017-HOSPITAL 4.050%		06/30/2019	Redemption	100.0000		153,476	153,476	153,476						153,476				2,947	08/31/2037	2
..12700#-AA-2	07/15/43 CTL PT TR SER 2016-SANDIA 4.500% 08/15/27		06/15/2019	Redemption	100.0000		80,956	80,956	80,956						80,956				1,367	07/15/2043	1
..12700*-AA-6	CTL PT TR SER 2016-SANDIA 4.500% 08/15/27 Redemption 100.0000		06/15/2019	Redemption	100.0000		424,114	424,114	424,114						424,114				7,956	08/15/2027	1
..12700@-AA-4	CTL PT TR SER 2017-GHS 4.960% 05/15/48		06/15/2019			120,202	120,202	121,404	121,355		(1,154)		(1,154)		120,202				2,486	05/15/2048	1

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
12701*-AA-5	CVS ROCHESTER 2017 LEASE-BKD P 4.800% 01/15/42		06/15/2019	Redemption 100.0000		28,372	28,372	28,372	28,372						28,372				568	01/15/2042	2
12702*-AA-4	CVS LEASE-BKD PT CTF SER 2017 3.901% 10/10/39		06/10/2019	Redemption 100.0000		398,189	398,189	398,189	398,189						398,189				6,149	10/10/2039	2
12703*-AA-3	CTL PT TR SER 2017-UPS CTL SR-SEC 4.050% 05/15/45		06/15/2019	Redemption 100.0000		105,354	105,354	105,354	105,354						105,354				1,757	05/15/2045	1
12706*-AA-6	CTL PT TRUST-SER 2018-PERRIS-R SR-SEC 4.720% 04/15/49		06/15/2019	Redemption 100.0000		31,030	31,030	31,030	21,430						31,030				553	04/15/2049	1
12708*-AA-8	CTL PHILADELPHIA LEASE FINANCE SR-SEC 4.008% 12/28/26		06/06/2019	Redemption 100.0000		547,804	547,804	547,804	547,804						547,804				10,978	12/28/2026	1
12709*-AA-5	CTL PT TR SER 2018-INTL FLAVOR SR-SEC 4.430% 05/15/43		06/15/2019	Redemption 100.0000		182,995	182,995	182,995	182,995						182,995				3,341	05/15/2043	2
12710*-AA-4	CTL PT TRUST SER 2018-IVU MORG SR-SEC 4.484% 11/15/48		06/15/2019	Redemption 100.0000		109,876	109,876	109,876	109,876						109,876				2,054	11/15/2048	1Z
131347-CK-0	CALPINE CORP SR SEC 5.250% 06/01/26		06/20/2019	THE TORONTO-DOMINION BANK		10,250,000	10,000,000	10,000,000	10,000,000						10,000,000		250,000	250,000	296,042	06/01/2026	3FE
13219*-AA-4	CAMBRIDGE HEALTHCARE SOLUTIONS SR-SEC PIKS FRM 10/17 TO 10/18 3.642% 08/15/37		06/15/2019	Redemption 100.0000		598,843	598,843	598,845	598,952		(108)		(108)		598,843				9,091	08/15/2037	1
141781-G#-5	CARGILL-INC SR-SEC 7.280% 06/30/23		06/30/2019	Redemption 100.0000		350,000	350,000	350,000	350,000						350,000				12,740	06/30/2023	1
14421*-AA-8	CAROLINAS HEALTHCARE PT TRUST- SR-SEC 3.835% 08/10/38		06/10/2019	Redemption 100.0000		223,455	223,455	223,455	223,455						223,455				3,572	08/10/2038	1
14575H-AA-6	CAUTO 2016-1A A SEQ 4.550% 02/15/46		06/17/2019	Paydown 97,672		97,672	97,636	97,636	97,649		23		23		97,672				1,836	02/15/2046	1FE
14841*-AA-8	CASTLE & COOKE NCRC PROP 4-LLC SR-SEC 5.790% 10/10/28		06/10/2019	Redemption 100.0000		436,442	436,442	436,442	436,442						436,442				10,536	10/10/2028	1
14841*-AA-0	CASTLE & COOKE-NCRC PROP 2-LLC SR-SEC 5.675% 07/10/28		06/10/2019	Redemption 100.0000		500,531	500,531	500,531	500,531						500,531				11,843	07/10/2028	1
14855J-AB-1	CLAST 2016-1 A SEQ 4.450% 08/15/41		06/15/2019	Paydown 233,462		233,462	233,394	233,399	233,399		63		63		233,462				4,548	08/15/2041	1FE
15132E-DD-7	CDMC 2003-4 1A5 SEQ RTL AS 5.500% 05/25/33		06/01/2019	Paydown 50,379		50,379	49,120	49,938	49,938		442		442		50,379				1,155	05/25/2033	1FM
15132E-EA-2	CDMC 2003-6 A4 RTL NAS 5.500% 07/25/33		06/01/2019	Paydown 14,336		14,336	14,798	14,608	14,608		(272)		(272)		14,336				329	07/25/2033	1FM
15160*-AB-6	CENTER OPERATING CO-LP B-SR-SEC 8.200% 09/30/23		06/30/2019	Redemption 100.0000		1,640,240	1,640,240	1,640,240	1,640,240						1,640,240				67,250	09/30/2023	2FE
152314-EL-0	CXHE 2002-A AF6 NAS 5.540% 01/25/32		04/01/2019	Paydown 289		289	275	277	277		12		12		289				6	01/25/2032	1FM
152314-JV-3	CXHE 2004-B M1 MEZ FLT STEP IRC NAS 3.049% 03/25/34		06/25/2019	Paydown 18,714		18,714	17,168	17,565	17,565		1,149		1,149		18,714				220	03/25/2034	1FM
152314-KJ-8	CXHE 2004-C AF5 STEP AFC IRC AS 5.206% 06/25/34		06/01/2019	Paydown 215,223		215,223	215,205	215,027	215,027		196		196		215,223				5,475	06/25/2034	1FM
152314-LE-8	CXHE 2004-D AF5 STEP AFC IRC AS 5.850% 09/25/34		06/01/2019	Paydown 371,019		371,019	370,900	370,322	370,322		697		697		371,019				8,319	09/25/2034	1FM
152314-LQ-1	CXHE 2004-D MV1 MEZ FLT STEP IRC NA 3.024% 09/25/34		06/25/2019	Paydown 122,478		122,478	110,487	113,066	113,066		9,413		9,413		122,478				1,673	09/25/2034	1FM
15722*-AA-9	CGA LEASE-BKD PASS-NAT OILWELL SR-SEC 4.468% 01/10/41		06/10/2019	Redemption 100.0000		7,948	7,948	7,948	7,948						7,948				148	01/10/2041	2
15722*-AA-3	CGA LEASE BKD PT TRUST-NOV HQ 2014-SR-SEC 4.835% 01/10/41		06/10/2019	Redemption 100.0000		133,422	133,422	133,422	133,422						133,422				2,689	01/10/2041	2
15723*-AA-8	CGA CAPITAL PT TRUST-NSLIJ 2014-SR-SEC 4.470% 03/10/45		06/10/2019	Redemption 100.0000		524,082	524,082	524,082	524,082						524,082				9,766	03/10/2045	1
15723*-AA-0	CGA CAP CR LEASE-BKD PT-SAN DI SR-SEC 3.400% 05/10/35		06/10/2019	Redemption 100.0000		431,248	431,248	431,248	431,248						431,248				6,089	05/10/2035	1
15769*-AJ-4	CHAMBERLAIN GROUP-INC. B-SR-UNSEC 6.210% 06/13/19		06/13/2019	Maturity 10,000,000		10,000,000	10,000,000	10,000,000	10,000,000						10,000,000				310,500	06/13/2019	2
15911N-AA-3	CHANGE HEALTH / FIN INC SR UNSEC 5.750% 03/01/25		05/16/2019	CREDIT SUISSE SECURITIES US LL		15,843,750	16,250,000	16,136,250	16,139,216		6,031		6,031		16,145,248		(301,498)	(301,498)	672,231	03/01/2025	5FE
160762-AC-4	CHMAC 2004-1 A3 Z AS 5.250% 08/25/34		06/01/2019	Paydown 14,851		14,851	11,783	13,623	13,623		1,228		1,228		14,851				325	08/25/2034	1FM
160762-AD-2	CHMAC 2004-1 A4 NAS 5.250% 08/25/34		06/01/2019	Paydown 7,590		7,590	7,590	7,590	7,590						7,590				166	08/25/2034	1FM
160762-AF-7	CHMAC 2004-1 A6 Z AS 5.500% 08/25/34		06/01/2019	Paydown 10,147		10,147	8,482	9,388	9,388		759		759		10,147				229	08/25/2034	1FM

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
160762-AG-5	CHMAC 2004-1 A7 NAS 5.500% 08/25/34 CFAB 2003-1 2M1 MEZ FLT STEP NAS 3.379% 09/25/32		06/01/2019	Paydown		14,065	14,065	14,065	14,065						14,065				318	08/25/2034	1FM
161546-EG-7	CFAB 2003-3 1A5 STEP AFC AS 5.160% 03/25/33		04/25/2019	Paydown		8,028	8,028	7,174	8,000		28		28		8,028				93	09/25/2032	1FM
161546-FF-8			06/01/2019	Paydown		141,435	141,435	141,430	141,327		108		108		141,435				3,166	03/25/2033	1FM
161546-FJ-0	CFAB 2003-3 1M2 MEZ NAS 4.885% 05/25/32 CFAB 2003-4 1M2 MEZ AFC NAS 5.194% 06/25/32		06/01/2019	Paydown		24,494		15,065	15,069						15,069		(15,069)	(15,069)	49	05/25/2032	5FM
161546-FY-7	CFAB 2003-5 1A5 STEP AFC AS 6.145% 06/25/33		05/01/2019	Paydown		20,790	20,790				20,790		20,790		20,790					06/25/2032	1FM
161546-GK-6	CFAB 2003-5 1M2 MEZ AFC NAS 5.641% 09/25/32		06/01/2019	Paydown		536,937	536,937	536,927	536,595		342		342		536,937				11,613	06/25/2033	1FM
161546-GN-0	CFAB 2003-6 1A5 STEP AFC SEQ AS 5.038% 11/25/34		05/01/2019	Paydown		55,594	55,594	10,217	1		55,593		55,593		55,594					09/25/2032	1FM
161546-HA-7	CFAB 2004-1 1A5 STEP AFC AS 5.638% 11/25/33		06/01/2019	Paydown		496,762	496,762	491,403	491,684		5,078		5,078		496,762				10,358	11/25/2034	1FM
161546-HS-8	CFAB 2004-2 1A5 STEP AFC SEQ 5.700%		06/01/2019	Paydown		453,749	453,749	453,724	453,381		368		368		453,749				11,706	11/25/2033	1FM
161546-JH-0	CFAB 2004-2 2M1 MEZ FLT STEP IRC NA 3.229% 02/26/35		06/01/2019	Paydown		642,595	642,595	635,100	635,520		7,075		7,075		642,595				15,554	02/26/2035	1FM
161546-JP-2	CHASE 2007-54 A8 SSNR NAS 6.000% 06/25/37		06/25/2019	Paydown		161,293	161,293	144,091	150,304		10,990		10,990		161,293				2,627	02/26/2035	1FM
161629-AH-3	CHASE 2007-54 A8 SSNR NAS 6.000% 06/25/37		06/01/2019	Paydown		57,998	78,907	40,858	31,754		34,503		34,503		66,256		(8,258)	(8,258)	2,062	06/25/2037	1FM
16162W-GJ-2	CHASE 2004-S2 1A4 NAS 5.250% 02/25/34		06/01/2019	Paydown		7,388	7,388	7,372	7,372		17		17		7,388				157	02/25/2034	2FM
16162W-GN-3	CHASE 2004-S2 2A3 Z AS 5.500% 02/25/34		06/01/2019	Paydown		317,161	317,161	287,328	302,242		14,919		14,919		317,161				6,609	02/25/2034	1FM
16162W-PB-9	CHASE 2005-A1 1A1 CSTR SSNR AS 4.206% 12/25/35		06/01/2019	Paydown		89,256	89,135	29,882	4,094		85,157		85,157		89,250		6	6	1,424	12/25/2035	1FM
16162W-PG-8	CHASE 2005-A1 2A4 CSTR SEQ SSNR AS 4.267% 12/25/35		06/01/2019	Paydown		469,110	469,110	349,229	293,915		175,195		175,195		469,110				8,093	12/25/2035	1FM
16162Y-AH-8	CHASE 2006-S4 A8 NAS 6.000% 12/25/36		06/01/2019	Paydown		100,551	137,730	54,907	51,586		62,208		62,208		113,793		(13,243)	(13,243)	4,044	12/25/2036	1FM
16162Y-AQ-8	CHASE 2006-S4 A15 SEQ AS 6.000% 12/25/36 CHASE 2007-A1 1A3 CSTR SSNR AS 4.791% 02/25/37		06/01/2019	Paydown		83,898	114,921	54,009	40,509		53,761		53,761		94,270		(10,372)	(10,372)	3,374	12/25/2036	1FM
161630-AC-2	CHASE 2007-A1 3A1 CSTR SSNR AS 4.577% 02/25/37		06/01/2019	Paydown		67,956	67,956	67,404	67,440		516		516		67,956				1,107	02/25/2037	1FM
161630-AL-2	CHASE 2007-S5 1A20 SSNR NAS 6.000% 07/25/37		06/01/2019	Paydown		239,065	239,065	238,014	238,019		1,045		1,045		239,065				4,423	02/25/2037	1FM
161631-AV-8	CHASE 2006-S2 1A14 SSNR AS 6.250% 10/25/36		06/01/2019	Paydown		499,228	499,228	304,580	304,815		194,413		194,413		499,228				13,223	07/25/2037	1FM
16163B-AP-9	CHASE 2006-S2 2A7 AS 6.000% 10/25/36		06/01/2019	Paydown		230,594	229,815	170,807	173,798		56,207		56,207		230,005		588	588	5,968	10/25/2036	3FM
16163B-BC-7	CHASE 2007-A2 1A1 CSTR SSNR AS 4.797% 05/25/36		06/01/2019	Paydown		237,646	378,666	205,744	219,523		101,392		101,392		320,915		(83,269)	(83,269)	8,939	10/25/2036	1FM
16163L-AA-0	CHASE 2007-A2 7A1 CSTR SEQ SSNR AS 3.799% 07/25/37		06/01/2019	Paydown		448,123	448,123	445,950	453,654		(5,532)		(5,532)		448,123				8,398	07/25/2037	1FM
16163L-AQ-5	CHASE 2016-1 M2 SUB W 3.750% 04/25/45		06/01/2019	Paydown		17,709	17,716	1,433	226		17,483		17,483		17,710				236	07/25/2037	1FM
16163Y-AC-8	CHASE 2016-1 M2 SUB W 3.750% 04/25/45		06/06/2019	JP MORGAN SECURITIES		3,135,818	3,085,676	3,043,831	3,046,442		400		400		3,046,842		88,976	88,976	51,107	04/25/2045	1FE
16163Y-AC-8	CHASE 2016-1 M2 SUB W 3.750% 04/25/45		06/25/2019	Paydown		102,269	102,269	100,883	100,969		1,300		1,300		102,269				11,257	04/25/2045	1FE
16163Y-AD-6	CHASE 2016-1 M3 SUB W 3.750% 04/25/45		06/06/2019	JP MORGAN SECURITIES		3,088,453	3,085,676	2,962,644	2,971,485		1,289		1,289		2,972,774		115,678	115,678	51,107	04/25/2045	2FE
16163Y-AD-6	CHASE 2016-1 M3 SUB W 3.750% 04/25/45		06/25/2019	Paydown		102,269	102,269	98,192	98,485		3,785		3,785		102,269				11,257	04/25/2045	2FE
16165L-AG-5	CFLX 2006-1 A5 AFC SSNR NAS 6.160% 06/25/36		06/01/2019	Paydown		79,917	86,436	73,415	74,063		11,458		11,458		85,521		(5,604)	(5,604)	1,401	06/25/2036	1FM
16165T-BJ-1	CFLX 2005-2 5A1 NAS 5.500% 06/25/35 CCMFC 2005-2A A2 FLT STEP AS 2.634%		06/01/2019	Paydown		86,786	87,221	48,719	51,966		35,076		35,076		87,042		(256)	(256)	1,983	06/25/2035	1FM
16678R-DL-8	VA CHARLOTTE-CHILDRESS KLIEN-C SR 3.652% 01/05/36		06/25/2019	Paydown Redemption		706,043	706,043	623,451	615,977		90,065		90,065		706,043				8,297	05/25/2036	1FM
16877#-AA-0			01/05/36		100.0000																
170255-AS-2	CIHL 2007-1 A8 SSNR NAS 6.000% 03/25/37		06/01/2019	Paydown		552,770	552,770	552,770	552,770						552,770				8,415	01/05/2036	1
17025A-AB-8	CIHL 2006-17 A2 SSNR NAS 6.000% 12/25/36		06/01/2019	Paydown		106,050	113,583	70,032	70,551		40,070		40,070		110,621		(4,571)	(4,571)	2,787	03/25/2037	1FM
17025T-AV-3	CIHL 2007-15 1A20 EXCH SSNR AS 6.250% 09/25/37		06/01/2019	Paydown		161,159	203,277	16,702	1,835		159,703		159,703		161,539		(380)	(380)	5,777	12/25/2036	1FM

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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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 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 and Admini- strative Symbol /Market Indicator (a)
	CINCINNATI ICE LEASE BKD TRUST SR-SEC 3.750% 10/15/33		06/15/2019	Redemption	100.0000																
172080-AA-0						118,422	118,422	118,422	118,422						118,422				1,851	10/15/2033	1
172973-2W-8	CMSI 2005-6 1A10 SEQ AS 5.500% 09/25/35		06/01/2019	Paydown		417,660	417,660	392,101	406,688		10,972		10,972	417,660	417,660				9,265	09/25/2035	1FM
172973-W6-2	CMSI 2005-4 1A7 SSUP NAS 5.500% 07/25/35		06/01/2019	Paydown		4,659	4,659	4,222	4,366		293		293	4,659	4,659				98	07/25/2035	1FM
172973-WX-3	CMSI 2004-3 A3 Z AS 5.250% 05/25/34		06/01/2019	Paydown		606,648	606,648	494,987	563,446		43,202		43,202	606,648	606,648				14,153	05/25/2034	1FM
173067-EQ-8	CGOINT 2004-C2 E AFC 5.023% 10/15/41		04/01/2019	Paydown		2,729,796	2,729,796	2,743,440	2,729,796						2,729,796				45,706	10/15/2041	1FM
173067-ES-4	CGOINT 2004-C2 F AFC 5.211% 10/15/41		04/01/2019	Paydown		4,000,000	4,000,000	4,019,972	4,000,000						4,000,000				69,476	10/15/2041	1FM
	CMLTI 2006-WF1 A2C STEP AFC AS 4.893% 03/25/36		06/01/2019	Paydown		32,324	32,324	12,660	13,662		18,662		18,662		32,324				298	03/25/2036	1FM
17307G-4H-8	CMLTI 2005-OPT1 M2 MEZ FLT STEP IRC 3.064% 02/25/35		06/25/2019	Paydown		13,219	13,219	11,831	12,168		1,051		1,051		13,219				183	02/25/2035	1FM
17307G-NS-3	CMLTI 2005-WF2 AF5 STEP AFC AS 5.350% 08/25/35		06/01/2019	Paydown		382,409	382,409	288,073	255,958		126,451		126,451		382,409				5,087	08/25/2035	1FM
17307G-WIE-4	CMLTI 2005-4 A CSTR AS 4.481% 08/25/35		06/01/2019	Paydown		177,125	177,125	157,752	160,408		16,718		16,718		177,125				3,259	08/25/2035	1FM
	CMLT 2005-A1 1A5 IRC SSNR NAS 5.500% 07/25/35		06/01/2019	Paydown		185,891	189,886	162,900	155,032		34,123		34,123		189,155		(3,264)	(3,264)	4,681	07/25/2035	1FM
17308F-AE-9	CMLT 2006-A1 1A1 SEQ SSNR AS 5.750% 04/25/36		06/01/2019	Paydown		150,319	223,367	115,989	99,184		83,767		83,767		182,951		(32,632)	(32,632)	4,926	04/25/2036	1FM
173100-AA-7	CMSI 2006-6 A4 SSNR NAS 6.000% 11/25/36		06/01/2019	Paydown		93,067	93,067	67,574	71,394		21,673		21,673	93,067					2,614	11/25/2036	1FM
173105-AA-5	CMSI 2007-1 1A1 SSNR NAS 6.000% 01/25/37		06/01/2019	Paydown		1,065,391	1,065,391	844,826	843,090		222,300		222,300	1,065,391	1,065,391				22,939	01/25/2037	1FM
17310A-AR-7	CMSI 2006-2 1A16 SEQ AS 5.750% 04/25/36		06/01/2019	Paydown		272,399	272,399	258,680	271,130		1,269		1,269		272,399				5,627	04/25/2036	3FM
	CRMSI 2006-2 A5 STEP AFC AS 5.360% 09/25/36		06/01/2019	Paydown		2,222,121	2,222,121	1,840,416	1,894,915		327,206		327,206		2,222,121				50,494	09/25/2036	1FM
17310E-AE-8	CGOINT 2007-06 AJFX CSTR 5.774% 12/10/49		06/01/2019	Paydown		14,809	14,809	10,026	10,026					10,026			(10,026)	(10,026)	255	12/10/2049	4FM
173110-BN-9	CGOINT 2007-06 AJ CSTR 5.774% 12/10/49		06/01/2019	Paydown		79,518	79,518	51,223	52,584		17	2,047	(2,030)	51,228	51,228		(51,228)	(51,228)	1,215	12/10/2049	3FM
17312D-AA-6	CMSI 2007-8 1A1 AS 6.000% 09/25/37		06/01/2019	Paydown		33,637	33,637				33,637		33,637	33,637					845	09/25/2037	1FM
17312F-AD-5	CMSI 2007-3 1A4 SSNR NAS 6.000% 04/25/37		06/01/2019	Paydown		11,813	20,033	18,185	18,485		920		920	19,406			(7,592)	(7,592)	502	04/25/2037	1FM
17312K-AB-8	CMSI 2007-5 1A2 PAC-11 AS 6.000% 06/25/37		06/01/2019	Paydown		975	1,344				975		975	975					33	06/25/2037	1FM
	CMLTI 2013-6 1A1 SC FLT SEQ PT SSNR 2.654% 11/25/35		06/25/2019	Paydown		150,847	150,847	154,512	151,680		(833)		(833)		150,847				2,511	11/25/2035	1FM
17321H-AA-6	CMLTI 2013-8 1A1 SC CSTR SEQ PT SSNR 4.637% 05/25/35		06/01/2019	Paydown		745,316	745,316	749,042	745,011		305		305		745,316				14,119	05/25/2035	1FM
18539U-AA-3	CLEARWAY ENERGY OP LLC CO.GUARNT 5.750% 10/15/25		06/27/2019	Various		22,002,500	21,625,000	21,685,625	21,682,914		(4,890)		(4,890)		21,678,024		324,476	324,476	900,953	10/15/2025	3FE
18610R-AG-9	CCCPA TOLRB-S10-CLEVELAND CLIN SR-SEC 5.740% 12/05/26		06/05/2019	Redemption	100.0000										820,000				19,636	12/05/2026	1
	COMM 2004-LB4A XC 10 CSTR NTL 1.362% 10/15/37		05/01/2019	Paydown		820,000	820,000	820,000	820,000						820,000						
20047N-AK-8	CPLT 1987-A A5 SEQ 4.500% 04/01/29		04/01/2019	Paydown		2,234,398	2,234,398	1,394,146	1,903,003		331,395		331,395	2,234,398	2,234,398				5,649	10/15/2037	6FE
204012-AE-8	CPLT 1987-A B SUB 4.500% 10/01/29		04/01/2019	Paydown		135,776	135,776	84,919	111,760		24,016		24,016	135,776	135,776				50,274	04/01/2029	1FM
204012-AF-5	COMMUNITY PRESERVATION CORP. SERIES D		06/01/2019	Paydown		5,045	5,045	5,045	5,045						5,045				3,055	10/01/2029	6*
204010-AG-6	COMMUNITY PRESERVATION CORP. SERIES E		06/01/2019	Paydown		1,182	1,182	1,182	1,182						1,182				89	09/01/2037	6*
204010-AH-4	COMMUNITY PRESERVATION CORP. SERIES F 4.920% 03/01/38		06/01/2019	Paydown		2,255	2,255	2,255	2,255						2,255				28	11/01/2037	6*
204010-AJ-0	COMMUNITY PRESERVATION CORP. COLLATERAL TRUSR		06/01/2019	Paydown		1,232	1,232	1,232	1,138	93			93		1,232				48	03/01/2038	6*
204010-AL-5	NOTE SER B 3.121% 02/01/37		06/01/2019	Paydown		1,023	1,023	1,023	1,023						1,023				16	02/01/2037	6*
204010-AM-3	COMMUNITY PRESERVATION CORP. SERIES C		06/01/2019	Paydown		1,690	1,690	1,690	1,690						1,690				21	06/01/2037	6*
204010-AN-1	5.958% 06/01/37		06/01/2019	Paydown		1,023	1,023	1,023	1,023						1,023				21	06/01/2037	6*
204010-AM-3	COMMUNITY PRESERVATION CORP. SERIES A		06/01/2019	Paydown		1,023	1,023	1,023	1,023						1,023				21	06/01/2037	6*
204010-AN-1	COLLATERAL TRUST 4.462% 01/01/36		06/01/2019	Paydown		1,690	1,690	1,690	1,690						1,690				35	01/01/2036	6*
204010-AR-2	COMMUNITY PRESERVATION CORP. SERIES G NOTES		06/01/2019	Paydown		1,168	1,168	1,168	1,166	2			2		1,168				23	06/01/2038	6*
204010-AS-0	4.774% 06/01/38		06/01/2019	Paydown		975	975	975	975						975				7	12/01/2038	6*
204010-AS-0	COMMUNITY PRESERVATION CORP. COLLATERAL TRUST NOTE 6.175% 12/01/38		06/01/2019	Paydown		975	975	975	975						975				7	12/01/2038	6*



STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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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 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 and Admini- strative Symbol /Market Indicator (a)
..204010-AT-8	COMMUNITY PRESERVATION CORP. SERIES I 6.138% 04/01/39		06/01/2019	Paydown		214	214	214	214						214				6	04/01/2039	6*
..204010-AV-3	COMMUNITY PRESERVATION CORP. SERIES J 5.431% 08/01/39		06/01/2019	Paydown		574	574	574	574						574				13	08/01/2039	6*
..204010-AW-1	COMMUNITY PRESERVATION CORP. COLLATERAL TRUST NOTE SERIES K 4.460% 10/01/39		06/01/2019	Paydown		2,952	2,952	2,952	2,914	38			38		2,952				62	10/01/2039	6*
..204010-AY-7	COMMUNITY PRESERVATION CORP. SERIES L COLLATERAL TRUST NOTE 5.566% 12/01/39		06/01/2019	Paydown		1,371	1,371	1,371	1,371						1,371				25	12/01/2039	6*
..204010-AZ-4	COMMUNITY PRESERVATION CORP. SERIES M 5.614% 03/01/40		06/01/2019	Paydown		702	702	702	702						702				9	03/01/2040	6*
..204010-BD-2	COMMUNITY PRESERVATION CORP. SERIES N 5.242% 06/01/40		06/01/2019	Paydown		249	249	249	249						249				3	06/01/2040	6*
..204010-BF-7	COMMUNITY PRESERVATION CORP. SERIES O 4.604% 09/01/40		06/01/2019	Paydown		815	815	815	815						815				16	09/01/2040	6*
..204010-BG-5	COMMUNITY PRESERVATION CORP. SERIES P 5.670% 01/01/41		06/01/2019	Paydown		919	919	919	919						919				22	01/01/2041	6*
..204010-BH-3	COMMUNITY PRESERVATION CORP. SERIES Q 6.164% 04/01/41		06/01/2019	Paydown		514	514	514	514						514				13	04/01/2041	6*
..204010-BK-6	COMMUNITY PRESERVATION CORP. COLLATERAL TRUST NOTE SERIES R 3.770% 12/01/41		06/01/2019	Paydown		112	112	112	110	3			3		112				2	12/01/2041	6*
..207597-EF-8	CONNECTICUT LIGHT & POWER 1ST REF MORT 2.500% 01/15/23		04/30/2019	Redemption	100.0000	7,823,566	7,890,000	7,319,116	7,625,097		20,588		20,588		7,645,685		177,881	177,881	157,252	01/15/2023	1FE
..209115-A*-5	CONSOLIDATED EDISON INC SR 8.710% 06/30/22		06/30/2019	Redemption	100.0000	84,170	84,170	105,129	91,354		(7,183)		(7,183)		84,170				3,666	06/30/2022	1
..210518-CL-8	CONSUMERS ENERGY CO 1ST MORTG 5.650% 04/15/20		05/29/2019	Call	102.6855	22,616,473	22,025,000	21,897,004	22,008,734		5,010		5,010		22,013,744		11,256	11,256	1,213,679	04/15/2020	1FE
..210518-CT-1	CONSUMERS ENERGY CO 1ST MORTG 2.850% 05/15/22		04/16/2019	KEYBANC CAPITAL MARKETS		30,063,600	30,000,000	30,111,988	30,039,412		(3,548)		(3,548)		30,035,864		27,736	27,736	363,375	05/15/2022	1FE
..210518-CV-6	CONSUMERS ENERGY CO 1ST MORTG 3.375% 08/15/23		04/16/2019	KEYBANC CAPITAL MARKETS		19,470,731	19,100,000	19,090,259	19,095,145		287		287		19,095,431		375,300	375,300	435,122	08/15/2023	1FE
..21075W-BA-2	CONHE 1995-1 A5 SEQ 4.710% 06/15/25		06/01/2019	Paydown		1,674	1,674	45	1,629		1,674	45	1,629		1,674				36	06/15/2025	1FM
..21075W-CJ-2	CONHE 1996-1 A7 SEQ 7.000% 03/15/27		06/01/2019	Paydown		2,567	2,567	743	2,721		1,846		1,846		2,567				74	03/15/2027	1FM
..22101#-AA-6	HOWARD UNIVERSITY 5.910% 06/01/31		06/01/2019	Redemption	100.0000	167,655	167,655	167,655	167,655						167,655				4,954	06/01/2031	2FE
..22357@-AA-9	COX TOWER II LEASE BKD TRUST-C SR-SEC 5.409% 01/02/40		06/01/2019	Redemption	100.0000	312,838	312,838	312,838	312,838						312,838				7,055	01/01/2040	2
..223611-A@-3	COWBOYS STADIUM-L.P. SR-SEC 3.460% 03/31/34		04/03/2019	Redemption	100.0000	(228)	(228)	(228)	(228)						(228)				9,911	03/30/2034	2FE
..22536#-AA-1	CGA CREDIT LEASE BKD TRUST-KMP 2012-SR-SEC 3.967% 12/10/35		06/10/2019	Redemption	100.0000	713,531	713,531	713,531	713,531						713,531				11,799	12/10/2035	2
..22540A-LG-1	CSFB 1999-1R B SC CSTR 6.730% 11/30/27		05/09/2019	Paydown		126	126	(27)	126		153		153		126				4	11/30/2027	1FM
..22540V-HN-5	CSFB 2001-NH29 M2 MEZ AFC 7.110% 09/25/31		06/01/2019	Paydown		127,169	127,169	125,362	126,920		249		249		127,169				3,720	09/25/2031	1FE
..22540V-VE-9	CSFB 2002-NH3 M1 MEZ AFC 7.617% 12/25/31		06/01/2019	Paydown		427,092	427,092	427,070	425,355		1,737		1,737		427,092				12,811	12/25/2031	1FE
..22541Q-4L-3	CSFB 2003-29 DB1 SUB CSTR NAS 6.052% 12/25/33		06/01/2019	Paydown		19,863	19,863	20,364	19,863						19,863				601	12/25/2033	1FM
..22541Q-EP-3	CSFB 2003-C3 AX 10 CSTR NTL 2.214% 05/15/38		06/01/2019	Paydown															16	05/15/2038	6FE
..22541S-ST-1	CSFB 2005-FIX1 A4 STEP AFC AS 5.510% 05/25/35		06/01/2019	Paydown		133,268	133,268	122,797	126,397		6,870		6,870		133,268				2,535	05/25/2035	1FM
..22541S-D5-4	CSFB 2004-QF2 1M1 MEZ STEP AFC NAS 5.250% 01/25/43		06/01/2019	Paydown		322,489	322,489	340,226	334,444		(11,955)		(11,955)		322,489				7,196	01/25/2043	1FM
..22541S-EH-7	CSFB 2004-AR3 CB1 SUB CSTR NAS 4.739% 04/25/34		06/01/2019	Paydown		95,396	95,396	91,968	92,248		3,148		3,148		95,396				1,793	04/25/2034	1FM
..22541S-JV-1	CSFB 2004-AR5 CB1 SUB CSTR NAS 4.515% 06/25/34		06/01/2019	Paydown		51,006	51,006	48,527	48,770		2,236		2,236		51,006				909	06/25/2034	1FM
..22541S-M2-1	CSFB 2004-C4 E SUB AFC 5.135% 10/15/39		06/01/2019	Paydown		390,622	390,622	305,220	321,452		69,171		69,171		390,622				8,340	10/15/2039	1FM

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
22541S-N4-6	CSFB 2004-C4 AX 10 CSTR NTL 0.491% 10/15/39		06/01/2019	Paydown				5,645	163		(131)		(131)		32		(32)	(32)	378	10/15/2039	6FE
22541S-LX-4	CSFB 2004-4 3A11 SEQ SSNR AS 5.500% 08/25/34		06/01/2019	Paydown		32,371	32,371	31,686	31,699		671		671		32,371				740	08/25/2034	1FM
22541S-VA-3	CSFB 2004-4 5A2 SEQ AS 6.000% 08/25/34		06/01/2019	Paydown		364,335	364,335	367,409	364,335						364,335				8,639	08/25/2034	1FM
22541S-X4-5	CSFB 2004-8 8A1 SEQ AS 5.750% 12/25/34		06/01/2019	Paydown		14,265	14,265	14,209	14,209		56		56		14,265				342	12/25/2034	1FM
22545#-AA-0	CREDIT WAREHOUSE REALTY LEASED SR-SEC 4.960% 10/10/33		06/10/2019			164,274	164,274	164,274	164,274						164,274				3,397	10/10/2033	2
225458-AX-6	CSFB 2005-1 1A22 SSNR NAS 5.500% 02/25/35		06/01/2019	Paydown		43,018	43,018	42,258	42,409		609		609		43,018				863	02/25/2035	1FM
225458-BV-9	CSFB 2005-1 3A5 Z SSNR AS 5.250% 02/25/35		06/01/2019	Paydown		50,444	50,444	47,588	49,417		1,027		1,027		50,444				1,128	02/25/2035	1FM
225458-DT-2	CSFB 2005-C1 F SUB 4.821% 02/15/38		06/01/2019	Paydown		23,482	23,482	23,454	23,482		29	29			23,482				472	02/15/2038	1FM
225470-DP-5	CSFB 2005-C5 F SUB AFC 5.100% 08/15/38		06/01/2019	Paydown		107,224	107,224	105,197	106,874		350		350		107,224				2,280	08/15/2038	1FM
2254W0-GV-1	CSFB 2004-6 1A2 SEQ SSNR AS 5.500% 10/25/34		06/01/2019	Paydown		93,438	93,438	91,120	91,168		2,269		2,269		93,438				2,144	10/25/2034	1FM
2254W0-JS-5	CSFB 2004-7 1A2 SEQ SSNR AS 5.250% 11/25/34		06/01/2019	Paydown		248,162	248,162	240,918	241,054		7,108		7,108		248,162				5,451	11/25/2034	1FM
2254W0-KY-0	CSFB 2004-7 1A4 SSNR NAS 5.250% 11/25/34		06/01/2019	Paydown		94,815	94,815	93,586	93,791		1,025		1,025		94,815				2,073	11/25/2034	1FM
22944#-AA-7	THE BK OF NY SR-SEC 6.063% 06/20/35		06/20/2019			59,219	59,219	59,219	59,219						59,219				1,497	06/20/2035	1
22945#-AA-6	CTL 2009-10 TRUST-BOSTON UNIV SR-SEC 6.950% 06/15/27		06/15/2019	Redemption	100.0000										322,030				9,333	06/15/2027	1
22946#-AA-5	CTL 2010-7 TR-OSF HEALTHCARE SR-SEC 6.200% 03/15/31		06/15/2019	Redemption	100.0000										274,717				7,102	03/15/2031	1
22951#-AA-7	CTL PT TRUST-CREDIT SUISSE 2010-SR-SEC 5.250% 06/15/32		06/15/2019	Redemption	100.0000			402,508	402,508						402,508				8,810	06/15/2032	2
22952#-AA-6	GALAXY VENTURES LLC-STATE OF N SR-SEC 4.500% 04/15/23		04/15/2019	Redemption	100.0000			195,182	195,182						195,182				4,392	04/15/2023	1
22953*-AA-9	CTL-TD 3-PROPERTY PT TRUST-TD SR-SEC 4.250% 06/15/31		06/15/2019	Redemption	100.0000			185,843	185,843						185,843				3,293	06/15/2031	1
22954*-AA-8	CTL 2012-12 TRUST-XEROX-PALO A 2012-SR-SEC 3.970% 12/14/23		06/07/2019	Redemption	100.0000			1,464,420	1,464,420						1,464,420				24,235	12/07/2023	2
22955#-AA-3	CTL PT TRUST-UNIV. OF DELAWARE 2012-SR-SEC 4.110% 06/15/43		06/15/2019	Redemption	100.0000			165,643	165,643						165,643				2,838	06/15/2043	1
22956#-AA-2	LESMARK CAPITAL CTL PT TRUST-C 2013-SR-SEC 5.000% 01/15/39		06/15/2019	Redemption	100.0000			50,244	50,244						50,244				1,047	01/15/2039	2
22958#-AA-0	CTL PT TRUST-VA GREENVILLE-SC 2013-SR-SEC 4.500% 04/20/33		06/20/2019	Redemption	100.0000			280,398	280,398						280,398				5,260	04/20/2033	1
22959#-AA-9	CSOLAR IV SOUTH-LLC SR-SEC 5.371% 09/30/38		06/30/2019	Redemption	100.0000			539,459	539,459						539,459				14,488	09/30/2038	2FE
22959@-AA-1	CTL PT TRUST CERTIFICATES-HOME SR-SEC 4.780% 01/15/34		06/15/2019	Redemption	100.0000			56,452	56,452						56,452				1,125	01/15/2034	1
22960@-AA-8	CTL 2014-04 TRUST-TEXAS A&M SR-SEC 4.615% 11/15/34		06/15/2019	Redemption	100.0000			69,398	69,398			(1)	(1)		69,398				1,335	11/15/2034	1
22961#-AA-5	CTL-SSA BALTIMORE TRUST-GSA SS 2014-SR-SEC 4.500% 02/15/34		06/15/2019	Redemption	100.0000			1,342,980	1,342,980						1,342,980				25,193	02/15/2034	1
22962@-AA-6	CTL PT TR SER 2014-COSTCO SR-SEC 4.380% 09/15/45		06/15/2019	Redemption	100.0000			44,861	44,861						44,861				819	09/15/2045	1
22963@-AA-5	CTL 2014-04A TRUST-TEXAS A&M A SR-SEC 4.470% 11/15/34		06/15/2019	Redemption	100.0000			29,589	29,589						29,589				551	11/15/2034	1
22966#-AA-0	CTL PT TR-CIRI SR-SEC 4.637% 12/15/44		06/15/2019	Redemption	100.0000			188,356	188,356			(5,054)	(5,054)		188,356				3,641	12/15/2044	2
22966*-AA-4	CTL PT TR-COSTCO SR-SEC 4.410% 09/15/45		06/15/2019	Redemption	100.0000			5,081	5,081						5,081				93	09/15/2045	1
22972@-AA-4	CTL PT TR SER 2015-LOWES DELAW SR-SEC 3.740% 03/20/35		06/20/2019	Redemption	100.0000			86,890	86,890						86,890				1,355	03/20/2035	1
22974@-AA-2	CTL PT SER 2016-WESTCHESTER CO SR-SEC 3.850% 03/15/36		06/15/2019	Redemption	100.0000			256,667	256,667						256,667				4,138	03/15/2036	1

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 4

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

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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 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 and Admini- strative Symbol /Market Indicator (a)
22977#-AA-7	CTL PT TR SER 2016-CAREALLIANC 4.310% 12/10/37		06/10/2019	Redemption 100.0000			100,398	100,320	103,105		(2,707)		(2,707)		100,398				1,804	12/10/2037	2
22977*-AA-1	CTL PT TR SER 2016-CORONA RIVE 4.060% 02/15/38		06/15/2019	Redemption 100.0000			180,235	180,235	180,235						180,235				3,050	02/15/2038	1
22978*-AA-0	CTL PT TRUST-SER 2016-VA HILLS 3.470% 10/15/33		06/15/2019	Redemption 100.0000			382,020	382,020	384,889		(2,869)		(2,869)		382,020				5,116	10/15/2033	1
22978@-AA-8	CTL PT TR SER 2017-LOWES SCOTT 3.650% 09/20/31		06/20/2019	Redemption 100.0000			142,178	143,941	143,730		(1,552)		(1,552)		142,178				2,163	09/20/2031	1
22979@-AA-7	CTL 2016-29 TRUST-SPIRIT AEROS 4.694% 12/15/37		06/15/2019	Redemption 100.0000			214,870	214,870	214,870						214,870				4,205	12/15/2037	2
22983*-AA-3	STATE OF CALIFORNIA-CHP CHICO SR-SEC 3.991% 09/15/36		06/15/2019	Redemption 100.0000			151,855	156,411	155,594		(3,739)		(3,739)		151,855				2,526	09/15/2036	1
22983@-AA-1	KONINKLIJKE AHOLD N.V.-ROYAL A SR-SEC 5.355% 12/15/36		06/15/2019	Redemption 100.0000			134,994	134,994	134,994						134,994				2,997	12/15/2036	2
22984@-AA-0	CTL PT TR SER 2015-GUARDIAN LI SR 3.920% 07/15/36		06/15/2019	Redemption 100.0000			565,993	571,336	570,628		(4,635)		(4,635)		565,993				9,249	07/15/2036	1
233046-AD-3	DNKN 2015-1A A211 SEQ 3.980% 02/20/45		04/23/2019	BMO CAPITAL MARKETS Redemption 100.0000			34,570,800	34,560,000	34,560,000						34,560,000		10,800	10,800	574,022	02/20/2045	2FE
233046-AD-3	DNKN 2015-1A A211 SEQ 3.980% 02/20/45		05/06/2019				101,006,400	101,006,400	101,157,209		(150,809)		(150,809)		101,006,400				1,820,191	02/20/2045	2FE
233046-AF-8	DNKN 2017-1A A211 SEQ 4.030% 11/20/47		05/20/2019	Paydown Redemption 100.0000			37,500	37,500	37,500						37,500				756	11/20/2047	2FE
23311*-AA-4	DCC BAY CITY 2013 CTL TRUST-DD SR-SEC 3.590% 07/20/34		06/20/2019	Redemption 100.0000			299,487	299,487	299,487						299,487				4,482	07/20/2034	2
23317*-AC-4	DD4 SOUTH LC-CIA DD4 SOUTH LC 3.550% 09/05/33		06/05/2019	Redemption 100.0000			169,620	169,620	169,620						169,620				2,510	09/05/2033	1
23422*-AC-6	DAKOTA GASIFICATION CO SR 4.010% 05/08/45		05/08/2019	Redemption 100.0000			2,097,778	2,097,778	2,053,766		44,011		44,011		2,097,778				42,060	05/08/2045	1
24721#-AA-2	DELPHES NASHVILLE LLC-AMSOUTH A-SR-SEC 6.740% 12/15/20		06/15/2019	Redemption 100.0000			105,972	105,972	105,972						105,972				3,571	12/15/2020	2
24763L-BM-1	DELHE 1997-2 A5 SEQ AS 7.370% 06/25/27		06/01/2019	Paydown Redemption 100.0000			4,168	664	1,341		2,827		2,827		4,168				49	06/25/2027	1FM
24764@-AA-2	DELTA ENGINES 2017 LEASE-BKD P SR-SEC 6.750% 11/20/22		06/20/2019				2,839,972	2,839,972	2,839,972						2,839,972				79,934	11/20/2022	2PL
251510-CV-3	DBALT 2005-1 1A1 FLT AS 2.904% 02/25/35		06/25/2019	Paydown			84,401	58,655	51,515		32,886		32,886		84,401				1,055	02/25/2035	1FM
251510-ET-6	DBALT 2005-3 M MEZ CSTR NAS 4.884% 06/25/35		06/01/2019	Paydown			400,005												4,854	06/25/2035	1FM
251511-AC-5	DBALT 2006-AB2 A3 AFC SEQ SSNR AS 5.323% 06/25/36		06/01/2019	Paydown			145,543	92,842	98,983		62,818		62,818		161,801		(16,258)	(16,258)	3,361	06/25/2036	1FM
251513-AY-3	DBALT 2006-AB4 A4A STEP AFC SEQ AS 6.000% 10/25/36		06/01/2019	Paydown			414,500	415,223	414,500						414,500				9,918	10/25/2036	1FM
251563-BM-3	DMSI 2003-1 1A8 SEQ SSUP NAS 5.500% 04/25/33		06/01/2019	Paydown			7,672	7,662	7,661		11		11		7,672				144	04/25/2033	1FM
251563-BS-0	DMSI 2003-1 M MEZ CSTR NAS 5.500% 04/25/33		06/01/2019	Paydown			31,036	30,844	30,876		160		160		31,036				583	04/25/2033	1FM
251563-BT-8	DMSI 2003-1 B1 SUB CSTR NAS 5.500% 04/25/33		06/01/2019	Paydown			14,145	13,864	14,002		142		142		14,145				266	04/25/2033	2FM
251563-BU-5	DMSI 2003-1 B2 SUB CSTR NAS 5.500% 04/25/33		04/01/2019	Paydown			7,244	6,816	7,067		177		177		7,244				194	04/25/2033	4FM
251563-CX-8	DMSI 2003-1 B3 SUB CSTR NAS 5.500% 04/25/33		04/01/2019	Paydown			4,483	3,676	3,181	544	758		1,302		4,483				411	04/25/2033	6*
25157T-AA-2	DMSI 2007-WMH1 A1 SC CSTR SSNR 3.821% 06/27/37		06/01/2019	Paydown			335,930	337,073	339,593		(3,663)		(3,663)		335,930				5,139	06/27/2037	1FM
25272X-AA-3	DROT 2017-1A A SEQ 3.270% 10/22/29		06/20/2019	Paydown			1,238,266	1,237,955	1,237,996		271		271		1,238,266				16,288	10/22/2029	1FE
25275@-AA-1	DIAMOND STATE GENERATION PARTN A-SR-SEC 5.220% 03/30/25		06/14/2019	Call 107.7242 Redemption 100.0000			20,002,857	18,568,582	18,568,582						18,568,582				1,875,832	03/30/2025	2FE
25275@-AA-1	DIAMOND STATE GENERATION PARTN A-SR-SEC 5.220% 03/30/25		04/12/2019	Redemption 100.0000			102,881	102,881	102,881						102,881				9,054	03/30/2025	2FE
25471*-AA-5	DISNEY LMA PT TRUST-DISNEY SR-SEC 4.100% 08/01/24		06/01/2019	Redemption 100.0000			1,746,264	1,746,264	1,746,264						1,746,264				29,920	08/01/2024	1

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 4

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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 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 and Admini- strative Symbol /Market Indicator (a)
25755T-AE-0	DPABS 2015-1A A211 SEQ 4.474% 10/25/45		04/25/2019	Paydown		67,500	67,500	67,500	67,500						67,500				1,510	10/25/2045	2FE
25755T-AG-5	DPABS 2017-1A A211 SEQ 3.082% 07/25/47		04/25/2019	Paydown		37,500	37,500	37,500	37,500						37,500				578	07/25/2047	2FE
25755T-AH-3	DPABS 2017-1A A23 SEQ 4.118% 07/25/47		04/25/2019	Paydown		125,000	125,000	125,000	125,000						125,000				2,574	07/25/2047	2FE
25755T-AJ-9	DPABS 2018-1A A21 SEQ 4.116% 07/25/48		04/25/2019	Paydown		16,063	16,063	16,063	16,063						16,063				331	07/25/2048	2FE
25857@-AA-7	DOUBLE DIAMOND FDG-V-LLC SR CLASS A 3.900% 08/01/36		06/01/2019	Paydown		1,198,475	1,198,475	1,198,475	1,198,475						1,198,475				19,396	08/01/2036	1FE
25857@-AB-5	DOUBLE DIAMOND FDG-V-LLC SUB CLASS B 4.850% 08/01/36		06/01/2019	Paydown		214,013	214,013	214,013	214,013						214,013				4,307	08/01/2036	2FE
25858*-AA-8	DOUBLE DIAMOND FDG-VI-LLC CLASS A 4.000% 03/22/38		06/01/2019	Paydown		1,607,552	1,607,552	1,607,552	1,607,552						1,607,552				27,203	03/22/2038	1FE
25858*-AB-6	DOUBLE DIAMOND FDG-VI-LLC CLASS B 4.500% 03/22/38		06/01/2019	Paydown		494,631	494,631	494,631	494,631						494,631				9,415	03/22/2038	2FE
25859@-AA-5	DOUBLE DIAMOND FDG-VII-LLC A-SR-UNSEC 4.500% 12/15/39		06/01/2019	Redemption 100.0000		1,590,590	1,590,590	1,590,590	1,590,590						1,590,590				29,794	12/15/2039	1FE
25859@-AB-3	DOUBLE DIAMOND FDG-VII-LLC B-SUB-UNSEC 5.000% 12/15/39		06/01/2019	Redemption 100.0000		559,036	559,036	559,036	559,036						559,036				11,603	12/15/2039	2FE
25859@-AC-1	DOUBLE DIAMOND FDG-VII-LLC C-SUB-UNSEC 6.250% 12/15/39		06/01/2019	Redemption 100.0000		86,191	86,191	86,191	86,191						86,191				2,242	12/15/2039	3FE
26061#-AA-5	DOW LOUISIANA LEASE-BKD PT TRU SR 4.968% 12/15/41		06/15/2019	Redemption 100.0000		218,359	218,359	218,359	218,359						218,359				4,522	12/15/2041	2
26061@-AA-7	DOW MICHIGAN LEASE-BACKED PASS 4.860% 05/15/42		06/15/2019	Redemption 100.0000		99,694	99,694	99,694	99,694						99,694				2,036	05/15/2042	2
26208L-AA-6	HONK 2015-1A A2 SEQ 5.216% 07/20/45		04/20/2019	Paydown		65,000	64,978	65,000	64,980		20		20		1,695				1,695	07/20/2045	2FE
26208L-AD-0	HONK 2019-1A A2 SEQ 4.641% 04/20/49		04/20/2019	Paydown		41,875	41,875	41,875	41,875						41,875				167	04/20/2049	2FE
26442E-AA-8	DUKE ENERGY OHIO INC 1ST MORTG 5.450% 04/01/19		04/01/2019	Maturity		45,000,000	45,000,000	44,982,000	44,999,457		543		543		45,000,000				1,226,250	04/01/2019	1FE
26869@-AB-3	EMI MUSIC PUBLISHING GRP CO GUARNT 7.625% 06/15/24		06/17/2019	Call 105.7190		9,911,156	9,375,000	9,375,000	9,375,000						9,375,000				893,578	06/15/2024	4FE
26875P-AD-3	EOG RESOURCES INC SR UNSEC 5.625% 06/01/19		06/01/2019	Maturity		12,750,000	12,750,000	12,726,540	12,748,766		1,234		1,234		12,750,000				358,594	06/01/2019	1FE
268787-AH-1	EP ENER/EVEREST ACQ FIN SECURED 9.375% 05/01/24		05/30/2019	CREDIT SUISSE SECURITIES US LL		7,234,194	22,345,000	7,932,475	18,661,515		116,359	10,845,399	(10,729,040)		7,932,475		(698,281)	(698,281)	1,233,630	05/01/2024	6FE
26885*-AA-3	CTL PT TRUST-NEOMED 2012-SR-SEC 5.390% 11/08/44		06/08/2019	Redemption 100.0000		176,330	176,330	179,137	178,687		(2,357)		(2,357)		176,330				3,962	11/08/2044	2
28488#-AA-6	ELECTRIC GUARD DOG II HLDGS LL 13.250% 12/10/22		04/08/2019	Redemption 100.0000		43,377,538	43,377,538	43,377,538	43,250,190						43,377,538				127,348	12/10/2022	5
28621@-AA-6	ELEVATE HOLDCO FDG-LLC A-SR-SEC 5.350% 12/31/32		06/30/2019	Redemption 100.0000		1,848,516	1,848,516	1,848,516	1,848,516						1,848,516				41,102	12/31/2032	2FE
288547-AC-6	ELAT 2007-2 A2B FLT STEP IRC 3.354% 05/25/37		04/25/2019	Paydown		186,469	186,469	162,010	186,056		414		414		186,469				2,339	05/25/2037	1FIM
29252@-AA-7	ENBRIDGE PIPELINES-SOUTHERN LI SR-UNSEC 3.980% 06/30/40		06/30/2019	Redemption 100.0000		1,939,500	1,939,500	1,939,500	1,939,500						1,939,500				38,596	06/30/2040	1PL
294751-BQ-4	EQABS 2002-5 M2 MEZ AFC 6.337% 11/25/32		06/01/2019	Paydown		42,989	42,989	15,768	16,842		821		821		17,663		(17,663)	(17,663)	763	11/25/2032	1FIM
294751-BY-7	EQABS 2003-1 M2 MEZ CSTR 5.789% 08/25/33		06/01/2019	Paydown		(3,636)	(1,455)	(1,651)	(1,651)		(483)		(483)		(2,134)		2,134	2,134	454	08/25/2033	1FIM
294751-DR-0	EQABS 2004-1 AF5 STEP AFC IRC AS 5.610% 04/25/34		06/01/2019	Paydown		249,928	249,928	249,928	249,928						249,928				5,415	04/25/2034	1FIM
294751-DX-7	EQABS 2004-1 M3 MEZ STEP AFC IRC NAS 5.760% 04/25/34		06/01/2019	Paydown		155,300	155,300	102,896	109,274		46,026		46,026		155,300				3,350	04/25/2034	1FIM
294751-EL-2	EQABS 2004-2 M2 MEZ STEP AFC NAS 6.060% 07/25/34		06/01/2019	Paydown		51,556	51,556	50,252	51,526		31		31		51,556				989	07/25/2034	2FIM
294751-EM-0	EQABS 2004-2 M3 MEZ STEP AFC NAS 6.181% 07/25/34		06/01/2019	Paydown		50,514	50,514	1,809	2,029		(35)		(35)		1,994		(1,994)	(1,994)	526	07/25/2034	1FIM
294751-EV-0	EQABS 2004-3 AF5 STEP AFC AS 4.520% 07/25/34		06/01/2019	Paydown		445,492	445,492	443,403	443,786		1,705		1,705		445,492				8,836	07/25/2034	1FIM
294751-FC-1	EQABS 2004-3 M4 MEZ STEP AFC NAS 4.517% 07/25/34		05/01/2019	Paydown		25,840	25,840												390	07/25/2034	1FIM

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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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 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 and Admini- strative Symbol /Market Indicator (a)
29854*-AA-4	EUREKA FEDERAL COURTHOUSE LEAS SR-SEC 3.750% 02/15/35		06/15/2019	Redemption 100.0000		102,443	102,443	102,443	102,443						102,443				1,601	02/15/2035	1
30291*-AA-3	FBI BOSTON LEASE-BKD PT TRUST- 4.220%		06/15/2019	Redemption 100.0000		838,452	838,452	838,452	838,452						838,452				14,645	10/13/2036	1
30292@-AA-0	FNA 2018-1 LLC UNSEC 4.300% 04/11/30		05/10/2019	Paydown		6,418,248	6,418,248	6,418,248	6,418,248						6,418,248				102,712	04/11/2030	1FE
31304*-AA-6	FBI MINNEAPOLIS LEASE-BACK TRU SR-SEC 5.600% 01/10/32		06/10/2019	Redemption 100.0000		448,159	448,159	448,159	448,159						448,159				10,463	01/10/2032	1
31305#-AA-1	FBI CINCINNATI LEASE BKD TRUST SR-SEC 5.600% 02/10/32		06/10/2019	Redemption 100.0000		302,315	302,315	302,315	302,315						302,315				7,058	02/10/2032	1
31306#-AA-0	FBI PORTLAND LEASE BKD TRUST-G SR-SEC 5.600% 03/10/32		06/10/2019	Redemption 100.0000		341,564	341,564	341,564	341,564						341,564				7,974	03/10/2032	1
31306@-AA-2	FBI SAN DIEGO LEASE BKD TRUST- SR-SEC 4.750% 04/26/33		06/10/2019	Redemption 100.0000		950,310	950,310	950,310	950,310						950,310				18,817	04/10/2033	1
31359U-PG-4	FNW 1998-W2 B1 SUB 6.500% 06/25/28		06/01/2019	Paydown		142,529	142,529	137,670	138,313		4,216		4,216		142,529				3,893	06/25/2028	2FE
31359U-PH-2	FNW 1998-W2 B2 SUB 6.500% 06/25/28		06/01/2019	Paydown		126,613	126,613	120,815	121,643		4,970		4,970		126,613				3,458	06/25/2028	4FE
31359U-PJ-8	FNW 1998-W2 B3 SUB 6.500% 06/25/28		06/01/2019	Paydown		71,622	71,622	65,235	65,767		5,856		5,856		71,622				1,956	06/25/2028	5FE
31393Y-Y4-1	FNW 2004-W6 M MEZ CSTR NAS 5.512% 07/25/34		06/01/2019	Paydown		112,611	210,806	74,752	68,508	6,244	72,679		78,923		147,431		(34,820)	(34,820)	4,978	07/25/2034	6*
31562#-AA-9	FF LANDLORD #1-LLC-FLOWERS SR-SEC 6.540%		06/15/2019	Redemption 100.0000		50,761	50,761	50,761	50,761						50,761				1,384	09/15/2030	2
31564#-AA-7	WELLS FARGO BK NW-N.A.-FLOWERS SR-SEC 6.750% 03/31/32		06/30/2019	Redemption 100.0000		174,938	174,938	174,938	174,938						174,938				4,924	03/31/2032	2
31565#-AA-6	WELLS FARGO BK NW-N.A.-FLOWERS SR-SEC 7.210% 07/31/31		06/30/2019	Redemption 100.0000		118,649	118,649	118,649	118,649						118,649				3,567	07/31/2031	2
31565@-AA-8	WELLS FARGO BK NW-N.A.-FLOWERS SR-SEC 7.670% 01/31/33		06/30/2019	Redemption 100.0000		158,421	158,421	158,421	158,421						158,421				5,067	01/31/2033	2
31565@-AB-6	WELLS FARGO BK-FLOWERS \$780M SR-SEC 7.670%		06/30/2019	Redemption 100.0000		26,424	26,424	26,424	26,424						26,424				845	01/30/2020	2
31659T-DV-4	FMIC 2005-2 M2 MEZ FLT STEP AFC 3.139%		06/07/2019	CREDIT SUISSE SECURITIES US LL		6,588,333	6,621,440	4,999,188	5,972,085		71,717		71,717		6,043,802		544,532	544,532	86,822	12/25/2035	1FM
31659T-DV-4	FMIC 2005-2 M2 MEZ FLT STEP AFC 3.139%		05/28/2019	Paydown		329,244	329,244	248,579	296,955		32,288		32,288		329,244				3,343	12/25/2035	1FM
31740L-AA-1	REFINITIV US HOLDINGS SR SEC 6.250%		06/20/2019	JP MORGAN SECURITIES		16,866,813	16,475,000	16,475,000	16,475,000						16,475,000		391,813	391,813	745,903	05/15/2026	4FE
32027N-ED-9	FFML 2003-FFH1 M1 MEZ FLT STEP 3.454%		06/25/2019	Paydown		271,853	271,853	252,824	256,427		15,426		15,426		271,853				4,325	09/25/2033	1FM
32027N-KJ-9	FFML 2004-FF6 M1 MEZ FLT STEP IRC 3.334%		06/25/2019	Paydown		240,702	240,702	143,671	115,047		125,656		125,656		240,702				3,429	07/25/2034	1FM
32051G-2H-7	FHASI 2006-1 1A10 AD SSNR AS 6.000%		06/01/2019	Paydown		42,864	43,158	33,760	32,850		10,228		10,226		43,076		(212)	(212)	1,091	05/25/2036	1FM
32051G-2J-3	FHASI 2006-1 1A11 Z SSNR AS 6.000%		06/01/2019	Paydown		173,733	174,924	134,727	131,046		43,531		43,531		174,576		(844)	(844)	4,422	05/25/2036	1FM
32051G-AA-3	FHAMS 2004-AA4 A1 CSTR AS 4.463% 10/25/34		06/01/2019	Paydown		452,505	452,505	427,306	428,799		23,706		23,706		452,505				8,211	10/25/2034	1FM
32051G-N3-5	FHASI 2005-8 1A1 NAS 5.750% 02/25/36		06/01/2019	Paydown		163,673	163,713	121,539	123,384		40,318		40,318		163,702		(29)	(29)	3,920	02/25/2036	1FM
32051G-P4-1	FHASI 2005-8 1A10 AD AS 5.750% 02/25/36		06/01/2019	Paydown		168,575	168,616	125,356	127,258		41,347		41,347		168,605		(30)	(30)	4,038	02/25/2036	1FM
32051G-VL-6	FHAMS 2005-FA7 1A4A SSNR NAS 5.500%		04/01/2019	Paydown		6,268,390	7,193,330	4,420,240	4,386,991		2,437,664		2,437,664		6,824,655		(556,265)	(556,265)	131,878	10/25/2035	1FM
32052U-AB-9	FHASI 2006-4 1A2 NAS 5.750% 02/25/37		06/01/2019	Paydown		299,417	301,671	214,620	184,125		116,636		116,636		300,762		(1,345)	(1,345)	6,599	02/25/2037	1FM
32485*-AD-9	FIRST NAT BK-CATALYST VIDALIA/ SR-SEC 12.480% 05/01/20		05/01/2019	Redemption 100.0000		7,239,967	7,239,967	7,239,967	7,239,967						7,239,967				451,774	05/01/2020	2PL
33632*-UJ-4	FIRST SECURITY BK NA-PHILLIPS SR-SEC 7.950%		06/10/2019	Redemption 100.0000		263,167	263,167	263,167	263,167						263,167				8,725	12/10/2020	1
337925-CP-4	FPLUS 1997-4 M2 MEZ STEP 7.830% 09/11/23		06/01/2019	Paydown		69,935	69,935				69,935		69,935		69,935				2,244	09/11/2023	1FM
33840*-AA-3	521-533 LLC-IFF SR-SEC 4.770% 11/15/30		06/15/2019	Redemption 100.0000		453,607	453,607	453,607	453,607						453,607				9,020	11/15/2030	2
340711-AQ-3	FLORIDA GAS TRANSMISSION SR UNSEC 7.900%		05/15/2019	Maturity		5,000,000	5,000,000	4,991,000	4,999,538		462		462		5,000,000				197,500	05/15/2019	2FE

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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 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 and Admini- strative Symbol /Market Indicator (a)
..34115#-AA-5	FLORIDA SOUTHEAST CONNECTION-L 3.500% 06/30/37		06/30/2019	Redemption 100.0000		560,866	560,866	560,866	560,866						560,866				9,815	06/30/2037	1PL
..34115#-AB-3	FLORIDA SOUTHEAST CONNECTION-L SR-SEC 4.260% 06/30/37		06/30/2019	Redemption 100.0000		806,977	806,977	806,977	806,977						806,977				17,189	06/30/2037	1FE
..34417M-AA-5	FOCUS 2017-1A A21 SEQ 3.857% 04/30/47		04/30/2019	Paydown		11,250	11,250	11,250	11,250						11,250				217	04/30/2047	2FE
..34417M-AB-3	FOCUS 2017-1A A211 SEQ 5.093% 04/30/47		04/30/2019	Paydown		55,000	55,000	55,000	55,000						55,000				1,401	04/30/2047	2FE
..34417Q-AA-6	FOCUS 2018-1 A2 SEQ 5.184% 10/30/48		04/30/2019	Paydown		30,000	30,000	30,000	30,000						30,000				782	10/30/2048	2FE
..345397-WK-5	FORD MOTOR CREDIT CO LLC SR UNSEC 4.375% 08/06/23		05/28/2019	CREDIT SUISSE SECURITIES US LL		3,012,690	3,000,000	2,971,980	2,985,571		1,172		1,172		2,986,742		25,948	25,948	107,188	08/06/2023	2FE
..35877#-AA-0	FRISCO HQ OPS LP 4.130% 12/15/37		06/15/2019	Redemption 100.0000		1,230,944	1,230,944	1,230,944	1,230,944						1,230,944				25,419	12/15/2037	2PL
..36157L-C*-7	GEOMSI GEOMSI 1994-02 6.446% 06/25/24		06/01/2019	Paydown		3,514	3,514				3,514		3,514		3,514				88	12/31/2035	6*
..36157T-JG-7	GEOMSI GEOMSI 1995-01A 8.014% 12/25/24		06/01/2019	Paydown		7,178	7,178				7,178		7,178		7,178				227	12/25/2024	6*
..36164A-AA-1	GFG 2014-1A A SEQ 5.210% 07/15/40		04/15/2019	Paydown		677,952	677,952	677,952	677,952						677,952				17,661	07/15/2040	1FE
..36170U-CQ-2	GFORC 2005 RR2 A4A SC SEQ CDO-CRE CD 5.336% 12/25/39		06/01/2019	Paydown		357,469	357,469				357,469		357,469		357,469				7,993	12/25/2039	6*
..361856-DX-2	GMACM 2004-HE5 A5 CSTR STEP AFC AS 5.865% 09/25/34		06/01/2019	Paydown		151,013	151,013	151,013	151,013						151,013				3,682	09/25/2034	1FM
..36185M-AJ-1	GMACM 2005-AF1 A2 FLT AFC AD AS 3.004% 07/25/35		06/25/2019	Paydown		406,612	406,612	338,072	333,792		72,820		72,820		406,612				4,532	07/25/2035	1FM
..36185M-CL-4	GMACM 2005-J1 A14 NAS 5.500% 12/25/35		05/01/2019	Paydown		4,303,004	4,293,222	3,622,271	3,716,019		578,559		578,559		4,294,578		8,426	8,426	98,110	12/25/2035	1FM
..36185M-EG-3	GMACM 2006-J1 A6 SSNR NAS 5.750% 04/25/36		06/01/2019	Paydown		200,968	200,968	177,113	181,360		19,608		19,608		200,968				4,815	04/25/2036	1FM
..36185N-J4-3	GMACM 2003-J8 M1 MEZ NAS 5.250% 12/25/33		06/01/2019	Paydown		16,131	22,022	13,634	5,743	6,708	6,802		13,510		19,254		(3,123)	(3,123)	571	12/25/2033	5FM
..36185N-S4-3	GMACM 2004-JR1 A10 SC Z AS 5.250% 12/25/33		06/01/2019	Paydown		329,776	329,776	288,296	326,029		3,747		3,747		329,776				7,211	12/25/2033	1FM
..36185N-X5-4	GMACM 2004-AR1 14A CSTR AS 4.709% 06/25/34		06/01/2019	Paydown		2,132,460	2,132,460	2,138,458	2,137,694		(5,234)		(5,234)		2,132,460				49,627	06/25/2034	1FM
..36187*-AA-7	WELLS FARGO BK NII-N.A.-WALGREE CTL1-SR-SEC 5.940% 08/01/31		06/01/2019	Redemption 100.0000		79,488	79,488	80,008	79,789		(300)		(300)		79,488				1,969	08/01/2031	2
..36208#-AA-8	GNI OF PARK RIDGE-LLC-WALGREEN SR-SEC 6.450% 07/15/27		06/15/2019	Redemption 100.0000		30,553	30,553	30,553	30,553						30,553				822	07/15/2027	2
..36228C-YQ-0	GSMS 2006 CC1 A SC CSTR CDO-CRE CDO 5.420% 03/21/46		06/01/2019	Paydown		826,675	885,090	85,417	102,173		737,244		737,244		839,417		(12,742)	(12,742)	19,627	03/21/2046	6FE
..36228F-3P-9	GSAA 2004-3 AF4 STEP AFC AS 6.220% 04/25/34		06/01/2019	Paydown		219,205	219,205	215,596	215,748		3,457		3,457		219,205				4,983	04/25/2034	1FM
..36228F-6P-6	GSAMP 2004-AR1 M1 MEZ FLT STEP 3.377% 06/25/34		06/25/2019	Paydown		127,505	127,505	121,289	122,916		4,588		4,588		127,505				1,829	06/25/2034	1FM
..36228F-H6-6	GSR 2004-3F 2A11 NAS 5.500% 02/25/34		06/01/2019	Paydown		41,048	41,048	41,998	41,649		(601)		(601)		41,048				941	02/25/2034	1FM
..36228F-TX-4	GSR 2003-7F 1A5 NAS 5.250% 06/25/33		06/01/2019	Paydown		14,944	14,944	14,475	14,484		459		459		14,944				327	06/25/2033	1FM
..36228F-UC-8	GSR 2003-7F 2A5 NAS 5.250% 06/25/33		06/01/2019	Paydown		5,999	5,999	5,753	5,758		241		241		5,999				131	06/25/2033	1FM
..36228F-VA-1	GSR 2003-7F B1 SUB CSTR NAS 5.879% 06/25/33		06/01/2019	Paydown		27,819	27,819	27,541	27,545		275		275		27,819				679	06/25/2033	1FM
..36228F-VB-9	GSR 2003-7F B2 SUB CSTR NAS 5.879% 06/25/33		06/01/2019	Paydown		8,780	8,780	8,640	8,643		137		137		8,780				214	06/25/2033	5FM
..3622EC-AK-2	GSAA 2007-5 1F4A CSTR STEP AFC AS 6.032% 03/25/47		06/01/2019	Paydown		181,848	181,848	102,239	102,732		79,116		79,116		181,848				1,821	03/25/2047	1FM
..3622EL-AD-8	GSAA 2006-18 AF4A STEP AFC AS 5.923% 11/25/36		06/01/2019	Paydown		376,905	376,905	192,876	191,327		185,579		185,579		376,905				3,654	11/25/2036	1FM
..3622MP-AA-6	GSR 2007-1F 3A1 EXCH SEQ AS 6.000% 01/25/37		06/01/2019	Paydown		56,167	65,276	35,488	24,514		34,987		34,987		59,500		(3,333)	(3,333)	1,529	01/25/2037	1FM
..3622MP-BE-7	GSR 2007-1F 3A15 EXCH SEQ AS 6.000% 01/25/37		06/01/2019	Paydown		512,898	595,789	530,767	538,456		48,822		48,822		587,278		(74,381)	(74,381)	13,958	01/25/2037	3FM
..3622MP-AR-4	GSR 2007-3F 3A5 EXCH SEQ AS 6.000% 05/25/37		06/01/2019	Paydown		66,431	73,391	27,053	26,368		42,509		42,509		68,877		(2,446)	(2,446)	1,705	05/25/2037	1FM
..3622N6-AC-3	GSR 2007-AR2 2A1 CSTR SSNR AS 4.553% 05/25/37		06/01/2019	Paydown		157,470	171,209	77,423	46,456		114,563		114,563		161,020		(3,549)	(3,549)	3,118	05/25/2037	1FM
..362332-AH-1	GSMS 2006-G6B AJ SEQ 5.622% 11/10/39		06/01/2019	Paydown		14,918,785	14,918,785	12,773,464	12,773,464		2,145,321		2,145,321		14,918,785				363,108	11/10/2039	1FM

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 4

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

1	2	3	4	5	6	7	8	9	10	Change In Book/Adjusted Carrying Value					16	17	18	19	20	21	22
										11	12	13	14	15							
CUSIP Ident-ification	Description	For-foreign	Disposal Date	Name of Purchaser	Number of Shares of Stock	Consid-eration	Par Value	Actual Cost	Prior Year Book/ Adjusted Carrying Value	Unrealized Valuation Increase/ (Decrease)	Current Year's (Amor-tization)/ Accretion	Current Year's Other Than Temporary Impairment Recogn-ized	Total Change in Book/ Adjusted Carrying Value (11 + 12 - 13)	Total Foreign Exchange Change in Book /Adjusted Carrying Value	Book/ Adjusted Carrying Value at Disposal Date	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal	Bond Interest/ Stock Dividends Received During Year	Stated Con-tractual Maturity Date	NAIC Desig-nation and Admini-strative Symbol /Market Indicator (a)
362334-AA-2	GSAA 2006-2 2A4 FLT STEP 2.714% 12/25/35		06/25/2019	Paydown		395,384	395,384	347,691	366,645		28,739		28,739		395,384				5,469	12/25/2035	1FM
362334-JU-9	GSR 2006-3F 2A6 SEQ AS 5.750% 03/25/36		06/01/2019	Paydown		60,642	67,088	99,922	34,366		29,539		29,539		63,905		(3,263)	(3,263)	1,890	03/25/2036	1FM
362334-ME-1	GSAA 2006-6 AF3 AFC AS 5.734% 03/25/36		06/01/2019	Paydown		296,270	296,270	130,499	129,144		167,126		167,126		296,270				2,637	03/25/2036	1FM
362334-NC-4	GSAA 2006-7 AF3 STEP AFC AS 6.220% 03/25/46		06/01/2019	Paydown		110,049	110,049	58,416	57,639		52,410		52,410		110,049				1,525	03/25/2046	1FM
362334-OC-1	GSAA 2006-7 AF5A STEP AFC NAS 6.205%		03/25/46																		
362341-MQ-9	GSR 2005-7F 2A5 Z AS 5.500% 09/25/35		06/01/2019	Paydown		75,043	75,043	63,031	67,045		7,998		7,998		75,043				1,040	03/25/2046	1FM
362341-MX-4	GSR 2005-7F 3A5 SSNR NAS 6.000% 09/25/35		06/01/2019	Paydown		19,047	19,047	17,871	18,386		661		661		19,047				437	09/25/2035	1FM
362341-O3-6	GSR 2005-9F 1A1 EXCH PT 5.500% 12/25/35		06/01/2019	Paydown		11,317	11,317	11,277	11,276		41		41		11,317				271	09/25/2035	1FM
362341-O8-5	GSR 2005-9F 1A6 EXCH SEQ AS 5.500% 12/25/35		06/01/2019	Paydown		198,993	235,156	51,078	6,763		193,271		193,271		200,034		(1,042)	(1,042)	5,839	12/25/2035	1FM
362341-QK-8	GSAA 2005-11 3A5 FLT STEP 2.774% 10/25/35		06/01/2019	Paydown		257,575	257,575	149,629	147,049		110,526		110,526		257,575				6,666	12/25/2035	1FM
362341-S7-5	GSR 2005-9F 2A6 SSNR NAS 6.000% 01/25/36		06/01/2019	Paydown		646,407	646,407	594,284	612,216		34,191		34,191		646,407				8,317	10/25/2035	1FM
362341-SS-9	GSAA 2005-12 AF4 AFC 5.344% 09/25/35		06/01/2019	Paydown		88,738	105,346	59,179	43,351		51,960		51,960		95,311		(6,573)	(6,573)	2,801	01/25/2036	1FM
362358-AA-7	GSA HONOLULU LEASE BKD TRUST-G 2011-SR-SEC 5.010% 10/21/32		06/15/2019	Redemption	100.0000	713,951	713,951	713,951	713,951		27,367		27,367		106,802				1,508	09/25/2035	1FM
362375-AD-9	GSAA 2006-10 AF4 STEP AFC AS 6.295%		06/01/2019	Paydown		169,311	169,311	72,432	70,794		98,517		98,517		169,311				1,229	06/25/2036	1FM
36242D-4T-7	GSR 2005-AR3 3A1 CSTR SSNR AS 4.612%		06/01/2019	Paydown		265,803	265,803	242,407	238,905		26,898		26,898		265,803				5,319	05/25/2035	1FM
36242D-4W-0	GSR 2005-AR3 6A1 CSTR SSNR AS 4.495%		06/01/2019	Paydown		692,313	692,313	604,598	600,101		92,211		92,211		692,313				12,604	05/25/2035	1FM
36242D-BU-6	GSR 2004-9 5A7 CSTR SSNR AS 4.185% 08/25/34		06/01/2019	Paydown		59,072	59,072	48,217	53,417		5,655		5,655		59,072				1,145	08/25/2034	1FM
36242D-EI-1	GSR 2004-10F 1A5 PT AS 4.500% 08/25/19		06/01/2019	Paydown		8,034	8,034	7,818	7,973		61		61		8,034				137	08/25/2019	1FM
36242D-FT-5	GSR 2004-11 2A2 CSTR AFC AS 4.478% 09/25/34		06/01/2019	Paydown		70,891	70,891	68,394	62,029		2,611		2,611		70,891				1,164	09/25/2034	1FM
36242D-LF-8	GSR 2004-12 3A6 CSTR AS 4.431% 12/25/34		06/01/2019	Paydown		464,889	464,889	457,334	464,889						464,889				9,125	12/25/2034	1FM
36242D-NC-3	GSAA 2004-10 AF4 STEP AFC AS 4.474%		06/01/2019	Paydown		698,445	698,445	698,427	698,054		391		391		698,445				13,574	08/25/2034	1FM
36242D-OV-8	GSR 2004-15F 1A3 NAS 5.500% 12/25/34		06/01/2019	Paydown		167,264	167,264	167,420	167,264						167,264				4,188	12/25/2034	1FM
36242D-SS-3	GSAA 2005-1 AF4 STEP AFC AS 5.619% 11/25/34		06/01/2019	Paydown		1,280,336	1,280,336	1,280,336	1,280,336						1,280,336				26,741	11/25/2034	1FM
36242D-VJ-9	GSR 2005-1F 3A3 Z SUP AS 6.000% 01/25/35		06/01/2019	Paydown		125,415	125,415	97,711	96,577		28,838		28,838		125,415				3,235	01/25/2035	1FM
36242D-W7-4	GSR 2005-4F 4A4 PAC-1-11 AS 5.500% 05/25/35		06/01/2019	Paydown		74,046	74,046	72,042	73,429		617		617		74,046				1,708	05/25/2035	1FM
36242D-YG-2	GSR 2005-2F 2A3 Z SUP AS 6.000% 03/25/35		06/01/2019	Paydown		294,748	294,748	234,028	248,033		46,715		46,715		294,748				7,401	03/25/2035	1FM
362448-AA-6	GSA MCLELLAN LEASE BKD TRUST- SR-SEC 4.460% 07/15/33		06/15/2019	Redemption	100.0000	147,509	147,509	147,509	147,509						147,509				2,754	07/15/2033	1Z
36245*-AA-7	GSA CHESAPEAKE LEASED BACK TRU 2012-SR-SEC 4.500% 09/15/33		06/15/2019	Redemption	100.0000	217,667	217,667	217,669	217,668		(1)		(1)		217,667				4,083	09/15/2033	1Z
36249B-AB-6	GSAA 2007-7 1A2 FLT STEP IRC 2.584%		06/25/2019	Paydown		185,334	185,334	155,681	165,278		20,056		20,056		185,334				2,140	07/25/2037	1FM
362538-AA-4	GSA CHESAPEAKE LEASED BACK TRU SR-UNSEC 4.000% 09/15/33		06/15/2019	Redemption	100.0000	191,803	191,803	191,803	191,803						191,803				596	09/15/2033	1Z
362669-AK-9	GSR 2007-4F 3A1 SSNR AS 6.000% 07/25/37		06/01/2019	Paydown		115,805	150,905	66,371	31,043		91,681		91,681		122,724		(6,918)	(6,918)	4,413	07/25/2037	1FM
362669-AQ-6	GSR 2007-4F 3A6 SSNR NAS 6.000% 07/25/37		06/01/2019	Paydown		72,497	94,471	75,795	74,413		15,148		15,148		89,560		(17,063)	(17,063)	2,763	07/25/2037	1FM
36298J-AA-1	GSMS 2006 RR2 A1 SC CSTR CDO-CRE CD 5.430%		06/01/2019	Paydown		857,137	866,760	35,194	35,194		822,333		822,333		857,528		(391)	(391)	20,986	06/23/2046	6FE
36828Q-KX-3	GEICMC 2005-C1 D SUB CSTR AFC 4.412%		06/10/48			7,005	7,005	7,022	7,002		3		3		7,005				130	06/10/2048	2FM
36828Q-KZ-8	GEICMC 2005-C1 XC IO CSTR NTL 0.011%		06/10/48																1	06/10/2048	6*
369604-BD-4	GENERAL ELECTRIC CO SR UNSEC 2.700%		10/09/22																		
369604-BD-4	WELLS FARGO		06/21/2019			9,720,555	9,750,000	9,727,088	9,740,630		1,140		1,140		9,741,770		(21,215)	(21,215)	187,200	10/09/2022	2FE

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
369604-BG-7	GENERAL ELECTRIC CO SR UNSEC 3.375% 03/11/24		06/21/2019	Various		29,386,566	28,825,000	28,554,333	28,672,910		12,831		12,831		28,685,741		700,825	700,825	764,393	03/11/2024	2FE
37045V-AE-0	GENERAL MOTORS CO SR UNSEC 4.875% 10/02/23		05/20/2019	Various		15,729,950	15,000,000	14,978,623	14,987,889		829		829		14,988,718		741,232	741,232	465,833	10/02/2023	2FE
37246#-AA-0	WELLS FARGO BK NII-N.A.-GPC 200 SR-SEC 6.010% 10/15/27		06/15/2019	Redemption 100.0000		487,356	487,356	487,356	487,356						487,356				12,212	10/15/2027	2
37653#-AA-6	GLADSTONE FOREST SERVICE LEASE SR-SEC 4.700% 01/15/27		06/15/2019	Redemption 100.0000		63,160	63,160	63,160	63,160						63,160				1,238	01/15/2027	1
37875*-AA-2	GLENN POOL TRUST II SR-SEC 6.000% 08/02/21		06/01/2019	Redemption 100.0000		1,324,579	1,324,579	1,317,956	1,323,116		1,463		1,463		1,324,579				28,578	05/01/2021	4FE
37958Y-AK-5	GLOBALTRANZ ENTERPRISES-INC. SUB-UNSEC 10.330% 10/23/26		05/15/2019	Call 102.0000		19,125,000	18,750,000	18,468,750	18,467,784		14,029		14,029		18,481,813		268,187	268,187	1,113,350	10/23/2026	4
382550-BF-7	GOODYEAR TIRE & RUBBER CO.GUARNT 5.000% 05/31/26		06/26/2019	BARCLAYS BANK PLC		9,825,000	10,000,000	10,000,000	10,000,000						10,000,000		(175,000)	(175,000)	288,889	05/31/2026	3FE
38642*-AA-2	GRAND RAPIDS VA LEASE-BKD PT T SR-SEC 3.643% 10/15/34		06/15/2019	Redemption 100.0000		170,718	170,718	170,718	170,718						170,718				2,587	10/15/2034	1
39071#-AA-6	GREAT LAKES POWER TRANSMISSION SR 6.600% 06/16/23		06/16/2019	Redemption 100.0000		256,494	256,494	253,423	251,994					1,429	256,494	3,070		3,070	8,464	06/16/2023	1PL
39121J-B*-0	GREAT RIVER ENERGY A-SR-SEC 3.760% 10/01/28		04/05/2019	G2		12,135,240	12,000,000	12,000,000	12,000,000						12,000,000		135,240	135,240	244,400	10/01/2028	1
39121J-B#-8	GREAT RIVER ENERGY B-SR-SEC 4.110% 10/01/35		04/10/2019	G2		25,288,750	25,000,000	25,000,000	25,000,000						25,000,000		288,750	288,750	576,542	10/01/2035	1
39278*-AA-1	GREEN COUNTRY ENERGY-LLC SR-SEC 7.210% 02/10/24		05/10/2019	Redemption 100.0000		756,465	756,465	756,465	756,465						756,465				27,271	02/10/2024	3FE
39625#-AA-7	GREENVILLE NC VA CLINIC LEASE- SR-SEC 4.230% 11/15/33		06/15/2019	Redemption 100.0000		347,548	347,548	347,548	347,548						347,548				6,128	11/15/2033	1
39843#-AA-5	GRIFOLS 4.500% 07/10/19		06/10/2019	Redemption 100.0000		113,349	113,349	113,349	113,349						113,349				2,107	07/10/2019	1PL
39950*-AA-6	TR CTF ISSUED AUG 2017-11790 U 4.210% 08/15/48		06/15/2019	Redemption 100.0000		6,988	6,988	6,988	6,988						6,988				123	08/15/2048	1FE
40407#-AA-1	HAL ROCK SPRINGS PORT. L.P.-HA SR-SEC 6.300% 11/10/29		06/11/2019	Call 120.7711		18,208,153	15,076,577	15,076,770	15,076,619		34		34		15,076,653		(76)	(76)	3,609,126	11/10/2029	2
40407#-AA-1	HAL ROCK SPRINGS PORT. L.P.-HA SR-SEC 6.300% 11/10/29		06/10/2019	Redemption 100.0000		254,245	254,245	254,248	254,246		(1)		(1)		254,245				6,679	11/10/2029	2
40408L-AC-1	HASI SYB TRUST 2017-1 3.860% 09/20/37		06/20/2019	Redemption 100.0000		439,540	439,540	439,489	439,485		55		55		439,540				8,483	09/20/2037	1PL
40460H-AA-9	HA WILDCAT LLC SR-UNSEC 4.121% 06/30/27		04/15/2019	Redemption 100.0000		2,346,249	2,346,249	2,346,249	2,346,249						2,346,249				48,882	06/30/2027	2FE
40466#-AA-7	HD-WEST MIFFLIN PA CTL PT TR- 3.952% 01/15/38		06/15/2019	Redemption 100.0000		41,356	41,356	41,356	41,356						41,356				682	01/15/2038	1
40833#-AA-3	HAIMES CO CAPTL ISSAQUAH HLDN SR-SEC 6.840% 06/15/36		06/15/2019	Redemption 100.0000		348,855	348,855	348,855	348,855						348,855				9,950	06/15/2036	1
40833#-AA-5	HAIMES CO CAP LAND HLD-SWEDISH SR-SEC 6.400% 06/15/36		06/15/2019	Redemption 100.0000		71,257	71,257	71,257	71,257						71,257				1,902	06/15/2036	1
41161P-LD-3	HVMLT 2005-1 2A1A FLT STEP AFC SSNR 2.923% 03/19/35		06/19/2019	Paydown		41,257	41,257	35,448	35,699		5,558		5,558		41,257				527	03/19/2035	1FM
41161P-SX-2	HVMLT 2005-9 B3 SUB FLT STEP NAS 3.083% 06/20/35		06/20/2019	Paydown		180,549	180,549	173,045	173,363		7,186		7,186		180,549				2,546	06/20/2035	4FM
41161P-XH-1	HVMLT 2005-15 2A11 FLT STEP AFC IRC 2.653% 10/20/45		06/20/2019	Paydown Redemption 100.0000		54,531	54,531	46,317	46,937		7,593		7,593		54,531				663	10/20/2045	1FM
41810*-AA-2	HASI SYB TRUST 2015-1 SR 4.283% 10/20/45		04/20/2019			353,604	353,604	353,604	353,604						353,604				7,572	10/20/2034	1FE
421924-BK-6	ENCOMPASS HEALTH CORP CO.GUARNT 5.750% 11/01/24		06/07/2019	Call 101.9170		2,378,743	2,334,000	2,347,025	2,340,023		(1,610)		(1,610)		2,338,414		(4,414)	(4,414)	112,964	11/01/2024	4FE
42210#-AA-2	HD CALIF DFDC LANDLORD-HOME DE SR-SEC 3.570% 04/30/34		06/30/2019	Redemption 100.0000		253,487	253,487	253,487	253,487						253,487				3,772	04/30/2034	1



STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
42212#-AA-0	HD TROY OH LANDLORD LLC-HOME D SR-SEC 3.550% 11/30/34		06/30/2019	Redemption 100.0000		385,391	385,391	385,391	385,391						385,391				5,703	11/30/2034	1
42251#-AA-4	HEALTH FIRST PHYSICIANS-INC.-H SR-SEC 4.490% 03/01/38		06/01/2019	Redemption 100.0000		517,343	517,343	517,343	517,343						517,343				9,683	03/01/2038	1
42770L-AA-1	HERO 2015-1A A SEQ 3.840% 09/21/40		06/20/2019	Paydown		571,848	571,848	571,590	571,715		133		133		571,848				11,418	09/21/2040	1FE
42770W-AA-9	HERO 2016-1A A SEQ 4.050% 09/20/41		06/20/2019	Paydown		187,700	187,700	187,684	187,159		541		541		187,700				3,936	09/20/2041	1FE
42770X-AA-7	HERO 2016-2A A SEQ 3.750% 09/20/41		06/20/2019	Paydown		178,368	178,368	178,309	177,888		479		479		178,368				3,467	09/20/2041	1FE
42770X-AA-5	HERO 2016-3A A1 SEQ 3.080% 09/20/42		06/20/2019	Paydown		251,345	251,345	251,325	250,913		432		432		251,345				4,030	09/20/2042	1FE
42771L-AB-8	HERO 2017-2A A1 SEQ 3.280% 09/20/48		06/20/2019	Paydown		86,975	86,975	86,964	86,975		11		11		86,975				1,480	09/20/2048	1FE
42771X-AA-4	HERO 2017-1A A1 SEQ 3.710% 09/20/47		06/20/2019	Paydown		275,933	275,933	275,823	275,828		106		106		275,933				5,306	09/20/2047	1FE
42784#-AA-0	HERSHEY CAMPUS LEASE -BKD SR-SEC 5.820% 08/01/41		06/01/2019	Redemption 100.0000		108,894	108,894	108,894	108,894						108,894				2,642	08/01/2041	1
42970#-AA-2	HIGH NOON SOLAR-LLC 4.110% 12/31/36		06/30/2019	Redemption 100.0000		531,204	531,204	531,204	531,204						531,204				10,916	12/31/2036	2PL
43076#-BC-5	HOME DEPOT INC SR UNSEC 3.750% 02/15/24		04/10/2019	Various		35,708,030	34,175,000	33,997,632	34,078,817		4,603		4,603		34,083,420		1,624,610	1,624,610	833,279	02/15/2024	1FE
43721#-AA-2	HOME DEPOT LEASE-COLLATERALIZE SR-SEC 3.880% 01/15/28		06/15/2019	Redemption 100.0000		108,353	108,353	109,437	109,068		(715)		(715)		108,353				1,752	01/15/2028	1
43721*-AA-6	HOME DEPOT MOORPARK LEASE BACK SR-SEC 4.409% 01/31/29		06/01/2019	Redemption 100.0000		265,116	265,116	265,116	265,116						265,116				4,873	01/01/2029	1
43739E-BS-5	HMBT 2005-4 A1 FLT STEP AFC IRC SSN 2.672% 10/25/35		06/25/2019	Paydown		129,066	129,066	119,265	122,436		6,630		6,630		129,066				1,649	10/25/2035	1FM
43739E-BT-3	HMBT 2005-4 A2 FLT STEP AFC IRC SSU 2.732% 10/25/35		06/25/2019	Paydown		54,402	54,402	50,271	51,606		2,796		2,796		54,402				723	10/25/2035	1FM
439223-AA-6	HOOSIER ENERGY RURAL ELECTRIC A-SR-SEC 4.860% 09/15/39		04/23/2019	SEAPORT GROUP		54,099,300	50,000,000	50,000,000	50,000,000						50,000,000		4,099,300	4,099,300	1,620,000	09/15/2039	1FE
44107H-AB-8	HOSPITAL SPECIAL SURGERY GOVT GTD. 2.881% 12/20/31		06/20/2019	Call 100.0000		580,000	580,000	580,000	580,000						580,000				8,355	12/20/2031	1FE
44231#-AA-3	HOUSTON SSA LEASE-BKD TRUST-GS SR-SEC 4.000% 08/15/22		06/15/2019	Redemption 100.0000		112,464	112,464	112,464	112,464						112,464				1,875	08/15/2022	1
44301#-AA-0	HOWE STREET LANDLORD LLC-YALE SR-SEC 3.750% 01/25/38		06/25/2019	Redemption 100.0000		164,607	164,607	164,607	164,607						164,607				2,573	01/25/2038	1
44411*-AB-7	HUDSON RANCH POWER I-LLC SR-SEC 6.250% 03/31/42		06/30/2019	Redemption 100.0000		114,398	114,398	114,398	114,398						114,398				3,575	03/31/2042	3
44563*-AA-5	HUNT POWER-L.P. EXCHANGE OF NON MONETARY ASSET 3.240% 03/18/21		05/17/2019	Redemption 100.0000		12,804,492	12,804,492	12,804,492	12,804,492						12,804,492				155,717	03/18/2021	5GI
44563*-AB-3	HUNT POWER-L.P. 3.240% 05/06/21		05/17/2019	Redemption 100.0000		20,868,954	20,868,954	20,868,954	20,868,954						20,868,954				253,789	05/06/2021	5GI
449670-EP-9	IMCHE 1998-3 A7 STEP AFC AS 6.720% 08/20/29		06/01/2019	Paydown		17,191	17,191	16,779	16,812		379		379		17,191				405	08/20/2029	1FM
45031#-AA-4	ISU LEASE-BKD PT TRUST-INDIANA SR-SEC 5.050% 06/15/45		06/15/2019	Redemption 100.0000		102,321	102,321	102,321	102,321						102,321				2,154	06/15/2045	1
45071K-AU-8	IXIS 2005-HE1 M4 MEZ FLT STEP 3.454% 06/25/35		06/25/2019	Paydown		121,263	121,263	111,031	114,346		6,917		6,917		121,263				1,920	06/25/2035	1FM
45073D-AA-6	IXIS 2007-HE1 A1 FLT STEP IRC 2.464% 05/25/37		06/25/2019	Paydown		2,396	2,396	608	474		1,922		1,922		2,396				12	05/25/2037	1FM
45254N-LL-9	IMM 2004-10 2A FLT STEP AFC 3.044% 03/25/35		06/25/2019	Paydown		597,161	597,161	489,672	496,795		100,366		100,366		597,161				7,900	03/25/2035	1FM
45254N-MB-0	IMM 2004-11 2A1 FLT STEP AFC SSNR 3.064% 03/25/35		06/25/2019	Paydown		110,111	110,111	107,744	107,862		2,250		2,250		110,111				1,636	03/25/2035	1FM
45254N-NP-8	IMM 2005-3 A1 FLT STEP AFC SSNR 2.884% 08/25/35		06/25/2019	Paydown		290,537	290,537	250,830	248,673		41,864		41,864		290,537				3,978	08/25/2035	1FM
45254N-PA-9	IMM 2005-4 1A1A FLT STEP AFC IRC S 2.944% 05/25/35		06/25/2019	Paydown		1,788,529	1,788,529	1,085,428	1,110,361		678,169		678,169		1,788,529				23,549	05/25/2035	1FM
45254N-PU-5	IMM 2005-5 A1 FLT STEP AFC IRC SSN 3.044% 08/25/35		06/25/2019	Paydown		778,308	778,308	468,725	475,483		302,825		302,825		778,308				11,135	08/25/2035	1FM
45254N-PW-1	IMM 2005-5 A3W FLT STEP AFC IRC AS 2.904% 08/25/35		06/25/2019	Paydown		106,128	106,128	90,957	94,269		11,859		11,859		106,128				1,450	08/25/2035	1FM

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 4

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										11	12	13	14	15							
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45254N-RG-4	1MM 2005-8 1A FLT STEP AFC IRC SSN 2.924% 02/25/36		06/25/2019	Paydown		472,120	472,120	373,522	409,382		62,737		62,737		472,120				6,047	02/25/2036	1FM
45256#-AA-0	IMPACT C.I.L. PARENT-LLC. COMM PASS-THROUGH CERT REVOLVI 5.820% 08/22/56		04/02/2019	Paydown		76,776	76,776	76,779	60,548						76,776				974	08/22/2056	2AM
45256H-AD-0	IMPACT COMMUNITY CAPITAL SEQ MORTGAGE PASS- THRU CLASS C 5.338% 12/01/23		06/01/2019	Paydown		100,994	100,994	104,436	101,336		(342)		(342)		100,994				2,186	12/01/2023	1FE
45257H-AA-5	IFUND 2010-1 A1 SEQ 5.314% 01/25/51		06/01/2019	Paydown		289,260	289,260	289,246	288,998		262		262		289,260				8,585	01/25/2051	1FM
45319#-AA-5	IMPERIAL VALLEY SOLAR 1-LLC SR-SEC 6.000% 06/30/38		06/30/2019	Redemption 100.0000		418,500	418,500	418,500	418,500						418,500				12,555	06/30/2038	2PL
45660L-PD-5	RAST 2005-A6CB A3 SEQ SSNR AS 5.500% 06/25/35		06/01/2019	Paydown		264,265	266,071	205,005	208,685		56,987		56,987		265,672		(1,408)	(1,408)	5,892	06/25/2035	1FM
45660L-RE-1	INDX 2005-AR13 4A1 CSTR SSNR AS 4.081% 08/25/35		06/01/2019	Paydown		509,033	509,001	191,014	184,646		324,376		324,376		509,022		11	11	8,825	08/25/2035	1FM
45667W-AA-6	INDX 2006-FLX1 A1 FLT STEP AFC IRC 2.614% 11/25/36		06/25/2019	Paydown		281,624	281,624	244,749	247,805		33,819		33,819		281,624				3,402	11/25/2036	1FM
45670A-AA-9	INDX 2007-FLX3 A1 FLT STEP IRC SSNR 2.644% 06/25/37		06/25/2019	Paydown		1,565,780	1,565,780	1,486,586	1,491,938		73,842		73,842		1,565,780				16,997	06/25/2037	1FM
456866-AL-6	INGERSOLL-RAND CO CO. GUARNT 7.200% 06/01/25		06/01/2019	Call 100.0000		750,000	750,000	732,000	742,439		389		389		742,827		7,173	7,173	27,000	06/01/2025	2FE
459745-GH-2	INTL LEASE FINANCE CORP SR UNSEC 6.250% 05/15/19		05/15/2019	Maturity		28,000,000	28,000,000	28,000,000	28,000,000						28,000,000				875,000	05/15/2019	2FE
46412Q-AD-9	IRIWE 2006-2 2A3 STEP AFC AS 6.900% 02/25/36		06/01/2019	Paydown		364,176	364,176	126,988	109,676		254,500		254,500		364,176				9,914	02/25/2036	1FM
465964-AN-4	JPMIT 2018-LTV1 A13 EXCH AFC SSUP 4.500% 04/25/49		06/01/2019	Paydown		2,424,589	2,424,589	2,430,271	2,431,872		(7,283)		(7,283)		2,424,589				57,073	04/25/2049	1FM
46616M-AA-8	HENDR 2010-3A A SEQ 3.820% 12/15/48		06/15/2019	Paydown		37,776	37,776	39,668	39,431		(1,655)		(1,655)		37,776				609	12/15/2048	1FE
46616M-AB-6	HENDR 2010-3A B SUB 6.850% 12/15/50		06/15/2019	Paydown		67,483	67,483	75,160	74,460		(6,977)		(6,977)		67,483				1,952	12/15/2050	1FE
46616Q-AA-9	HENDR 2011-2A A SEQ 4.940% 09/15/56		06/15/2019	Paydown		125,657	125,657	142,678	141,255		(15,599)		(15,599)		125,657				2,809	09/15/2056	1FE
46616V-AA-8	HENDR 2012-1A A SEQ 4.210% 02/16/65		06/17/2019	Paydown		196,769	196,769	204,827	204,365		(7,595)		(7,595)		196,769				3,709	02/16/2065	1FE
46616V-AB-6	HENDR 2012-1A B SUB 7.140% 02/15/67		06/17/2019	Paydown		57,285	57,285	68,805	68,293		(11,007)		(11,007)		57,285				1,831	02/15/2067	2FE
46616V-AC-8	HENDR 2012-2A B SUB 6.770% 10/17/61		06/15/2019	Paydown		36,724	36,724	38,010	37,938		(1,213)		(1,213)		36,724				1,040	10/17/2061	2FE
46617A-AA-3	HENDR 2012-3A A SEQ 3.220% 09/15/65		06/17/2019	Paydown		325,808	325,808	325,351	325,540		268		268		325,808				4,343	09/15/2065	1FE
46617A-AB-1	HENDR 2012-3A B SUB 6.170% 09/15/67		06/15/2019	Paydown		131,054	131,054	139,508	138,111		(7,057)		(7,057)		131,054				3,348	09/15/2067	1FE
46617F-AA-2	HENDR 2013-1A A SEQ 3.220% 04/15/67		06/17/2019	Paydown		1,312,400	1,312,400	1,311,489	1,302,625		9,775		9,775		1,312,400				21,664	04/15/2067	1FE
46617J-AA-4	HENDR 2013-2A A SEQ 4.210% 03/15/62		06/17/2019	Paydown		547,281	547,281	547,153	547,338		(57)		(57)		547,281				10,048	03/15/2062	1FE
46617J-AB-2	HENDR 2013-2A B SUB 5.680% 03/17/64		06/17/2019	Paydown		226,864	226,864	236,326	235,886		(9,021)		(9,021)		226,864				5,619	03/17/2064	2FE
46617L-AA-9	HENDR 2013-3A A SEQ 4.080% 01/17/73		06/17/2019	Paydown		18,073	18,073	18,714	18,690		(617)		(617)		18,073				314	01/17/2073	1FE
46617L-AB-7	HENDR 2013-3A B SUB 5.540% 01/15/75		06/15/2019	Paydown		284,377	284,377	324,679	317,822		(33,445)		(33,445)		284,377				6,708	01/15/2075	2FE
46617T-AA-2	HENDR 2014-1A A SEQ 3.960% 03/15/63		06/15/2019	Paydown		36,071	36,071	37,043	36,966		(895)		(895)		36,071				621	03/15/2063	1FE
46617T-AB-0	HENDR 2014-1A B SUB 4.940% 03/16/65		06/15/2019	Paydown		190,455	190,455	199,404	199,095		(8,640)		(8,640)		190,455				4,091	03/16/2065	2FE
46618A-AA-2	HENDR 2014-2A A SEQ 3.610% 01/17/73		06/15/2019	Paydown		127,714	127,714	127,527	127,536		178		178		127,714				1,956	01/17/2073	1FE
46618A-AB-0	HENDR 2014-2A B SUB 4.480% 01/15/75		06/15/2019	Paydown		257,096	257,096	264,628	264,035		(6,939)		(6,939)		257,096				4,886	01/15/2075	2FE
46618H-AA-7	HENDR 2014-3A A SEQ 3.500% 06/15/77		06/15/2019	Paydown		356,279	356,279	356,119	356,145		135		135		356,279				5,351	06/15/2077	1FE
46618H-AB-5	HENDR 2014-3A B SUB 4.400% 06/15/79		06/15/2019	Paydown		145,505	145,505	145,470	145,474		31		31		145,505				2,747	06/15/2079	2FE
46618L-AA-8	HENDR 2015-1A A SEQ 3.260% 09/15/72		06/15/2019	Paydown		410,056	410,056	400,766	401,110		8,946		8,946		410,056				5,613	09/15/2072	1FE
46618L-AB-6	HENDR 2015-1A B SUB 4.250% 09/17/74		06/15/2019	Paydown		179,495	179,495	179,340	179,338		157		157		179,495				3,203	09/17/2074	2FE
466247-A3-7	JPMIT 2005-S3 1A14 NAS 5.500% 01/25/36		06/01/2019	Paydown		16,088	39,783	19,352	14,605		9,798		9,798		24,403		(8,316)	(8,316)	887	01/25/2036	1FM
466247-HT-3	JPMIT 2004-S2 1A7 SEQ AS 4.750% 11/25/19		06/01/2019	Paydown		24,795	24,795	24,589	24,658		137		137		24,795				453	11/25/2019	1FM
466247-J9-5	JPMIT 2006-A2 3A1 CSTR SSNR AS 4.392% 04/25/36		06/01/2019	Paydown		24,419	25,510	698	670		23,778		23,778		24,449		(29)	(29)	423	04/25/2036	1FM
466247-JJ-3	JPMIT 2004-S2 2A12 SEQ AS 5.750% 11/25/34		06/01/2019	Paydown		355,974	355,974	352,285	352,342		3,631		3,631		355,974				9,862	11/25/2034	1FM
466247-QM-8	JPMIT 2005-A3 6A5 CSTR SSNR AS 4.519% 06/25/35		06/01/2019	Paydown		64,408	64,408	54,369	52,557		11,851		11,851		64,408				1,159	06/25/2035	1FM
466247-VH-3	JPMIT 2005-S2 2A15 SEQ AS 6.000% 09/25/35		06/01/2019	Paydown		19,114	29,881	16,918	12,896		10,725		10,725		23,621		(4,507)	(4,507)	795	09/25/2035	1FM
466247-WK-5	JPMIT 2005-A7 1A3 CSTR SSNR AS 4.418% 10/25/35		06/01/2019	Paydown		441,606	441,606	269,445	270,580		171,025		171,025		441,606				7,346	10/25/2035	1FM

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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

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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 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 and Admini- strative Symbol /Market Indicator (a)
466247-ZQ-9	JPMIT 2005-S3 1A3 PAC-1-11 AS 5.750% 01/25/36		06/01/2019	Paydown		46,258	74,318	44,496	34,430		24,349		24,349		58,779		(12,521)	(12,521)	1,660	01/25/2036	1FM
46625H-JT-8	JPMORGAN CHASE & CO SR UNSEC 3.875% 02/01/24		04/18/2019	JP MORGAN SECURITIES		10,359,400	10,000,000	9,944,200	9,968,961		1,713		1,713		9,970,675		388,725	388,725	282,014	02/01/2024	1FE
46625M-2G-3	JPMCC 2004-CB8 X1 IO CSTR NTL 0.012% 01/12/39		06/01/2019	Paydown				5,227	731		(90)		(90)		641		(641)	(641)	277	01/12/2039	6FE
46625M-AJ-8	JPMCC 2001-C1BC X1 IO CSTR NTL 2.646% 03/15/33		06/01/2019	Paydown															153	03/15/2033	6*
46625M-UC-1	JPMCC 2003-C1 X1 IO CSTR NTL 0.430% 01/12/37		06/01/2019	Paydown				9,003	645		(14)		(14)		631		(631)	(631)	474	01/12/2037	6FE
46625Y-DH-3	JPMCC 2004-CBX C SUB CSTR AFC 5.066% 01/12/37		06/01/2019	Paydown		1,267,942	1,267,942	1,281,761	1,267,942						1,267,942				26,761	01/12/2037	1FM
46628S-AG-8	JPMAC 2006-HIF1 A4 STEP AFC AS 6.130% 07/25/36		06/01/2019	Paydown		177,355	177,355	62,623	62,182		115,173		115,173		177,355				1,193	07/25/2036	1FM
46628Y-BK-5	JPMIT 2006-S2 3A8 SEQ SSNR AS 6.250% 07/25/36		06/01/2019	Paydown		188,267	334,176	211,428	209,810		67,482		67,482		277,293		(89,026)	(89,026)	7,928	07/25/2036	1FM
46628Y-BP-4	JPMIT 2006-S2 3A12 SEQ SSNR AS 6.500% 07/25/36		06/01/2019	Paydown		143,707	206,367	142,588	149,417		39,658		39,658		189,075		(45,368)	(45,368)	4,217	07/25/2036	3FM
46630W-AL-4	JPMIT 2007-S2 1A11 PAC-11 SSNR AS 6.000% 06/25/37		06/01/2019	Paydown		33,266	56,229	35,155	28,503		16,084		16,084		44,587		(11,320)	(11,320)	1,420	06/25/2037	1FM
46634S-AC-9	JPMCC 2012-C6 A3 SEQ 3.507% 05/15/45		05/01/2019	Paydown		85,342	85,342	85,513	85,513		(171)		(171)		85,342				1,406	05/15/2045	1FM
46635T-BA-9	JPMCC 2011-C3 D SUB CSTR 5.852% 02/15/46		04/11/2019	Redemption 100.0000		6,252,883	6,388,000	6,630,794	6,548,601		(22,840)		(22,840)		6,525,761		(272,878)	(272,878)	136,072	02/15/2046	1FM
46648U-AZ-7	JPMIT 2017-4 B2 SUB CSTR 3.963% 11/25/48		06/01/2019	Paydown		12,867	12,867	12,986	12,967		(101)		(101)		12,867				213	11/25/2048	1FM
46648U-BA-1	JPMIT 2017-4 B3 SUB CSTR 3.963% 11/25/48		06/01/2019	Paydown		42,241	42,241	41,501	41,588		653		653		42,241				698	11/25/2048	1FM
46649H-AZ-5	JPMIT 2017-6 B2 SUB CSTR 3.840% 12/25/48		06/01/2019	Paydown		36,537	36,537	36,728	36,718		(181)		(181)		36,537				586	12/25/2048	1FM
46649H-BA-9	JPMIT 2017-6 B3 SUB CSTR 3.840% 12/25/48		06/01/2019	Paydown		35,457	35,457	34,720	34,743		714		714		35,457				569	12/25/2048	1FM
46665#-AA-3	JGW IX LLC JGW IX LLC 4.780% 08/31/36		06/15/2019	Redemption 100.0000		(1,212,740)	(1,212,740)	(753,422)	(1,279,492)						(1,212,740)				490	08/18/2036	1Z
46665A-AA-4	JGW IX LLC SR-UNSEC 4.500% 05/15/34		06/24/2019	Redemption 100.0000		1,766,871	1,766,871	1,766,871							1,766,871				3,755	05/15/2034	1Z
46975#-AA-8	CTL PT TRUST-VA JACKSONVILLE SR-SEC 3.745% 11/15/33		06/15/2019	Redemption 100.0000		502,069	502,069	517,361	514,152		(12,083)		(12,083)		502,069				7,838	11/15/2032	1
48121@-AA-9	JRD HLDGS-LLC A-SR 4.040% 04/30/22		04/30/2019	Redemption 100.0000		2,857,143	2,857,143	2,857,143	2,857,143						2,857,143				57,714	04/30/2022	2PL
48121@-AB-7	JRD HLDGS-LLC B-SR 4.650% 04/30/27		04/30/2019	Redemption 100.0000		5,000,000	5,000,000	5,000,000	5,000,000						5,000,000				116,250	04/30/2027	2PL
485260-BL-6	KANSAS GAS & ELECTRIC CO 1ST MORTG 6.700% 06/15/19		06/15/2019	Maturity		8,335,000	8,335,000	8,319,914	8,334,087		913		913		8,335,000				279,223	06/15/2019	1FE
501773-AY-1	LBOMT 1998-C1 IO IO CSTR NTL 1.117% 02/18/30		06/01/2019	Paydown															71	02/18/2030	6FE
50209A-AB-7	LMRK ISSUER CO. 2 LLC SR-UNSEC 4.100% 11/15/47		06/15/2019	Paydown		518,970	518,970	518,780	518,787		183		183		518,970				9,253	11/15/2047	1FE
50543L-AA-0	LAFI 2016-1A A1 SEQ 4.300% 01/15/42		06/15/2019	Paydown		78,125	78,125	76,609	76,880		1,245		1,245		78,125				1,400	01/15/2042	1FE
51703@-AA-9	LAREDO TX VA CLINIC PT TRUST-V SR-SEC 3.700% 05/15/33		06/15/2019	Redemption 100.0000		100,029	100,029	100,029	100,029						100,029				1,543	05/15/2033	1
52108H-7G-3	LBUBS 2005-C5 G SUB AFC 5.350% 09/15/40		06/11/2019	Paydown		11,255,268	11,255,268	11,307,625	11,248,672		6,596		6,596		11,255,268				409,592	09/15/2040	1FM
52108H-N6-7	LBUBS 2004-C6 XCL IO CSTR NTL 0.039% 08/15/36		06/11/2019	Paydown															3	08/15/2036	6*
52108H-W9-1	LBUBS 2004-C8 XCL IO CSTR NTL 0.312% 12/15/39		06/11/2019	Paydown															15	12/15/2039	6FE
52314#-AA-6	LEBANON TN STATUTORY TRUST-PFG SR-SEC 5.500% 06/30/25		06/30/2019	Redemption 100.0000		53,220	53,220	53,220	53,220						53,220				1,220	06/30/2025	2PL
52465#-AD-7	LMCC-HUNTINGTON SR-SEC 7.240% 12/05/20		06/05/2019	Redemption 100.0000		513,434	513,434	513,434	513,434						513,434				15,501	12/05/2020	1
52465#-AG-0	LMCC 1998-HIALGREEN SR-SEC 6.817% 01/10/21		06/10/2019	Redemption 100.0000		122,073	122,073	121,440	121,954		119		119		122,073				3,370	01/10/2021	2

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
52465#-AZ-8	LMMCC-FLUOR 2001-SR-SEC 7.560% 06/08/21		06/08/2019	Redemption 100.0000		456,317	456,317	485,603	462,519		(6,202)		(6,202)		456,317				13,655	06/08/2021	2
52465#-BA-2	LEGG MASON MTG CPTL-TYCO 2001-SR-SEC 7.060% 01/10/23		06/10/2019	Redemption 100.0000		274,946	274,946	302,855	283,778		(8,832)		(8,832)		274,946				8,094	01/10/2023	2
52467#-AR-6	LMMCC SER 2002-CTL-19-STATE OF CTL-SR-SEC 7.190% 12/10/26		06/10/2019	Redemption 100.0000		185,301	185,301	185,301	185,301						185,301				5,556	12/10/2026	1
52467#-BA-2	LMMCC LEASEBKD PTC SER 2003-CT SR-SEC 6.400% 01/01/28		06/01/2019	Redemption 100.0000		153,400	153,400	153,400	153,400						153,400				4,094	01/01/2028	2
52467#-BG-9	LMMCC LEASEBKD PTC SER 2003-CT SR-SEC 7.000% 01/15/22		06/15/2019	Redemption 100.0000		255,368	255,368	273,394	257,627		(2,260)		(2,260)		255,368				7,454	01/15/2022	2
52467#-BP-9	LMMCC LEASEBKD PTC SER 2003-CT SR-SEC 6.370% 10/01/28		06/01/2019	Redemption 100.0000		35,463	35,463	35,463	35,463						35,463				942	10/01/2028	2
52521R-AS-0	LMT 2007-5 2A3 FLT SSNR AS 2.794% 06/25/37		06/25/2019	Paydown		1,638	4,091	776	672		1,341		1,341		2,013		(375)	(375)	41	06/25/2037	1FM
525221-CM-7	LXS 2005-4 2A4 STEP AS 5.310% 10/25/35		06/01/2019	Paydown		10,155	10,155	6,569	6,775		3,380		3,380		10,155				204	10/25/2035	1FM
525221-DF-1	LXS 2005-6 3A2A STEP AFC AS 5.440% 11/25/35		04/01/2019	Paydown		128,156	128,156	107,029	119,309		8,847		8,847		128,156				18,926	11/25/2035	1FM
525221-EB-9	LXS 2005-8 2A1B STEP AFC AS 5.560% 12/25/35		06/01/2019	Paydown		402,419	402,700				402,419		402,419		402,419				10,583	12/25/2035	1FM
52522H-AL-6	LXS 2006-8 3A3 STEP AFC AS 5.354% 06/25/36		06/01/2019	Paydown		944,352	937,566	395,546	392,008		549,415		549,415		941,423		2,929	2,929	18,557	06/25/2036	1FM
52523K-AH-7	LXS 2006-17 WF42 STEP AFC AS 5.790% 11/25/36		06/01/2019	Paydown		470,496	452,396	288,915	315,091		142,686		142,686		457,777		12,719	12,719	10,685	11/25/2036	1FM
52706#-AA-4	WELLS FARGO BK NW-WAG LAWTON SR-SEC 6.850% 05/15/34		06/15/2019	Redemption 100.0000		27,039	27,039	27,039	27,039						27,039				772	05/15/2034	2
52707#-AA-1	WELLS FARGO NAT BK-WAG CRANBER SR-SEC 7.050% 05/15/34		06/15/2019	Redemption 100.0000		37,428	37,428	37,428	37,428						37,428				1,100	05/15/2034	2
542514-FX-7	LBMLT 2004-2 M1 MEZ FLT STEP IRC 3.199% 06/25/34		06/25/2019	Paydown		279,853	279,853	223,532	233,466		46,386		46,386		279,853				3,847	06/25/2034	1FM
542514-GM-0	LBMLT 2004-3 M1 MEZ FLT STEP IRC 3.259% 07/25/34		06/25/2019	Paydown		8,155	8,155	6,137	6,709		1,446		1,446		8,155				130	07/25/2034	1FM
542514-HT-4	LBMLT 2004-4 M1 MEZ FLT STEP 3.304% 10/25/34		06/25/2019	Paydown		331,340	331,340	250,162	297,560		33,780		33,780		331,340				4,843	10/25/2034	1FM
54709#-AA-5	LOUISVILLE US ATTORNEYS LEASE SR-SEC 4.970% 12/10/26		06/10/2019	Redemption 100.0000		174,164	174,164	174,166	174,165		(1)		(1)		174,164				3,609	12/10/2026	1
54868*-AA-6	LOWE'S SALEM 2011 CTL TRUST SR-SEC 4.510% 03/25/35		06/25/2019	Redemption 100.0000		211,600	211,600	211,600	211,600						211,600				3,978	03/25/2035	1
55265K-3V-9	MASTR 2003-12 3A9 Z SEQ SSNR AS 5.250% 12/25/33		06/01/2019	Paydown		42,894	42,894	37,418	40,636		2,258		2,258		42,894				938	12/25/2033	1FM
55265K-6P-9	MASTR 2004-1 5A13 SSNR NAS 5.250% 02/25/34		06/01/2019	Paydown		162,968	162,968	163,529	162,960		9		9		162,968				2,958	02/25/2034	1FM
55291K-AC-1	MABS 2006-IMC3 A3 FLT STEP IRC 2.504% 08/25/36		06/25/2019	Paydown		20,081	20,081	9,491	8,729		11,352		11,352		20,081				125	08/25/2036	1FM
55312T-AF-0	MLCFC 2007-6 AM AFC 5.501% 03/12/51		04/01/2019	Paydown		19,825,729	19,825,729	20,864,911	19,792,837		32,892		32,892		19,825,729				364,782	03/12/2051	1FM
55445R-AD-9	MACH 2004 1A X SC 10 CSTR NTL CDO-C 0.784% 05/28/40		05/01/2019	Paydown				20,521											794	05/28/2040	6*
55880#-AA-3	MADRID BIDCO LLC SR-SEC 4.520% 12/31/30		06/30/2019	Redemption 100.0000		1,629,271	1,629,271	1,629,271	1,629,271						1,629,271				55,028	12/31/2030	2PL
56475#-AB-0	GCFP LEASE-BKD PT TRUST-AMCOL SR-SEC 7.003% 12/10/28		06/10/2019	Redemption 100.0000		288,448	288,448	288,448	288,448						288,448				8,423	12/10/2028	1
56585A-AN-2	MARATHON PETROLEUM CORP SR UNSEC 5.375% 10/01/22		05/22/2019	Tax Free Exchange		45,778,283	45,228,000	46,029,892	45,931,567		(153,283)		(153,283)		45,778,283				1,559,895	10/01/2022	2FE
56585A-AP-7	MARATHON PETROLEUM CORP SR UNSEC 4.750% 12/15/23		05/22/2019	Tax Free Exchange		57,646,604	56,000,000	57,858,640	57,778,097		(131,492)		(131,492)		57,646,604				1,160,056	12/15/2023	2FE
56585A-AQ-5	MARATHON PETROLEUM CORP SR UNSEC 5.125% 04/01/24		05/22/2019	Tax Free Exchange		17,120,572	16,852,000	17,175,895	17,154,279		(33,707)		(33,707)		17,120,572				554,185	04/01/2024	2FE

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 4

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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 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 and Admini- strative Symbol /Market Indicator (a)
56585A-AR-3	MARATHON PETROLEUM CORP SR UNSEC 5.125% 12/15/26		05/22/2019	Tax Free Exchange		48,938,243	47,000,000	49,075,926	49,024,360		(86,117)		(86,117)		48,938,243				1,050,483	12/15/2026	2FE
576433-D4-5	MARM 2005-7 2A1 CSTR PT SSNR AS 4.095% 09/25/35		06/01/2019	Paydown		142,216	140,311	95,980	81,627		59,476		59,476		141,102		1,114	1,114	2,394	09/25/2035	1FM
576433-XB-7	MARM 2005-1 4A1 CSTR PT AS 3.945% 02/25/35		06/01/2019	Paydown		554,263	554,263	509,230	511,946		42,317		42,317		554,263				10,377	02/25/2035	1FM
576433-XE-1	MARM 2005-1 7A1 CSTR PT AS 4.179% 02/25/35		06/03/2019	Paydown		148,627	148,627	141,839	141,760		6,867		6,867		148,627				2,592	02/25/2035	1FM
576434-E8-3	MALT 2005-1 6A5 Z AS 5.500% 02/25/35		06/01/2019	Paydown		130,262	130,262	106,832	106,832		23,430		23,430		130,262				2,937	02/25/2035	1FM
576434-GR-9	MALT 2003-6 B2 SUB CSTR NAS 5.658% 09/25/33		06/01/2019	Paydown		1,473	(29,334)				1,473		1,473		1,473				3,056	09/25/2033	1FM
576434-JM-7	MALT 2003-7 B2 SUB CSTR NAS 5.900% 12/25/33		06/01/2019	Paydown			170,903												2,726	12/25/2033	6FM
576434-L9-3	MALT 2005-3 1A1 PT AS 5.500% 04/25/35		06/01/2019	Paydown		372	372	362	362		9		9		372				8	04/25/2035	1FM
576434-N4-2	MALT 2005-3 6A3 SEQ AS 5.500% 04/25/35		06/01/2019	Paydown		68,512	68,512	42,038	38,234		30,278		30,278		68,512				1,698	04/25/2035	1FM
576438-AA-3	MARM 2006-2 1A1 CSTR PT SSNR AS 4.795% 04/25/36		06/01/2019	Paydown		260,749	260,749	112,861	6,641		254,108		254,108		260,749				5,408	04/25/2036	1FM
57643L-CJ-3	MABS 2004-OPT1 M2 MEZ FLT STEP 4.054% 02/25/34		06/25/2019	Paydown		22,986	22,986	18,325	19,599		3,388		3,388		22,986				220	02/25/2034	1FM
57643L-LC-8	MABS 2005-AB1 A4 STEP AS 5.648% 11/25/35		06/01/2019	Paydown		898,531	898,531	826,651	835,874		62,658		62,658		898,531				11,524	11/25/2035	1FM
57643M-BK-9	MASTR 2004-5 1A3 SEQ SSNR AS 5.500% 05/25/34		06/01/2019	Paydown		39,679	39,679	37,206	37,267		2,412		2,412		39,679				977	05/25/2034	1FM
57643M-CY-8	MASTR 2004-6 2A11 SC Z SSNR AS 5.250% 06/26/34		06/01/2019	Paydown		3,337	3,337	2,544	3,006		331		331		3,337				85	06/26/2034	1FM
57643M-FM-1	MASTR 2004-9 3A5 SC Z SSNR AS 5.250% 07/25/34		06/01/2019	Paydown		17,984	17,984	15,803	17,018		965		965		17,984				394	07/25/2034	1FM
57643M-MH-4	MASTR 2006-1 1A11 SEQ SSNR AS 5.750% 05/25/36		06/01/2019	Paydown		187,772	202,876	175,264	179,465		21,584		21,584		201,050		(13,277)	(13,277)	5,216	05/25/2036	1FM
57878#-AA-3	MAYZURE-LLC SR-UNSEC 5.160% 09/20/26		05/28/2019	Redemption 100.0000		1,200,562	1,200,562	1,200,562							1,200,562				7,555	09/20/2026	1Z
57878#-AA-3	MAYZURE-LLC SR-UNSEC 5.160% 09/20/26		06/20/2019	Redemption 100.0000		640,257	640,257	640,257							640,257				8,259	09/20/2026	2PL
58550P-AA-4	MELLON CRA MELLON CRA 1998-A 6.500% 05/25/28		04/01/2019	Paydown			18,606												358	05/25/2028	1FM
585525-BM-9	MRFC 1998-2 A11 PZ CPT 6.750% 06/25/28		06/01/2019	Paydown		5	5				5		5		5					06/25/2028	1FM
59010R-AA-2	MRLN 2016-1 A STEP SEQ 4.500% 12/15/32		06/15/2019	Paydown		1,072,632	1,072,632	1,031,389	1,036,033		36,600		36,600		1,072,632				17,242	12/15/2032	1FE
59020U-L3-7	MLCC 2005-3 1A CSTR FLT 4.691% 11/25/35		06/25/2019	Paydown		251,684	251,684	238,555	236,255		15,429		15,429		251,684				4,658	11/25/2035	1FM
59020U-LK-9	MLCC 2005-1 2A1 CSTR 4.344% 04/25/35		06/01/2019	Paydown		27,951	27,951	27,008	27,069		882		882		27,951				516	04/25/2035	1FM
59022H-EL-2	MLMT 2004-KEY2 XC 10 CSTR NTL 1.010% 08/12/39		06/01/2019	Paydown															495	08/12/2039	6FE
59022H-FC-1	MLMT 2004-BPC1 XC 10 CSTR NTL 1.073% 10/12/41		06/01/2019	Paydown		37	37		37						37		(37)	(37)	131	10/12/2041	6*
59156R-AX-6	METLIFE INC SR UNSEC 4.750% 02/08/21		06/24/2019	Call 104.2630		26,013,619	24,950,000	24,943,763	24,948,513		326		326		24,948,839		1,161	1,161	2,103,895	02/08/2021	1FE
59217G-AX-7	MET LIFE GLOB FUNDING I SR SEC 3.000% 01/10/23		06/11/2019	THE TORONTO-DOMINION BANK		14,785,420	14,600,000	14,592,554	14,596,734		346		346		14,597,080		188,340	188,340	405,150	01/10/2023	1FE
59333#-AA-8	MIAMI DEA LEASE BKD TRUST-GSA SR-SEC 4.500% 08/15/31		06/15/2019	Redemption 100.0000		395,937	395,937	395,937	395,937						395,937				7,428	08/15/2031	1
594918-AC-8	MICROSOFT CORP SR UNSEC 4.200% 06/01/19		06/01/2019	Maturity		50,000,000	50,000,000	49,847,100	49,992,256		7,744		7,744		50,000,000				1,050,000	06/01/2019	1FE
59835#-AA-3	MIDWEST ENERGY-INC. SR-SEC 4.140% 07/20/43		04/20/2019	Redemption 100.0000		147,078	147,078	147,078	147,078						147,078				3,047	07/20/2043	1
60221*-AA-5	MILWAUKEE FBI LEASE-BKD PT TRU SR-UNSEC 3.500% 04/15/36		06/15/2019	Redemption 100.0000		542,986	542,986	542,986	542,986						542,986				7,329	04/15/2036	1
61171#-AA-9	MONTEFIORE MEDICAL CENT SECURED 3.896% 10/15/38		06/15/2019	Redemption 100.0000		484,578	484,578	484,578	484,578						484,578				9,311	10/15/2038	2
61237W-AA-4	MONTEFIORE MEDICAL CENT SECURED 3.896% 05/20/27		05/20/2019	Call 100.0000		1,250,000	1,250,000	1,251,020	1,250,313		(49)		(49)		1,250,265		(265)	(265)	24,350	05/20/2027	1FE

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
..61421#-AA-7	MONTGOMERY VA LEASE-BKD PT TR- SR 3.905% 06/15/35		06/15/2019	Redemption 100.0000		125,412	125,412	125,412	125,412						125,412				2,038	06/15/2035	1.....
..61744C-DH-6	MSAC 2004-HE3 M1 MEZ FLT STEP 3.259% 03/25/34		06/25/2019	Paydown		251,584	251,584	238,376	241,598		9,986		9,986		251,584				3,690	03/25/2034	1FIM.....
..61744C-FB-7	MSAC 2004-HE6 M1 MEZ FLT STEP 3.229% 08/25/34		06/25/2019	Paydown		719,206	719,206	526,144	636,766		82,440		82,440		719,206				9,106	08/25/2034	1FIM.....
..61744C-HP-4	MSAC 2004-NC8 M1 MEZ FLT STEP IRC 3.319% 09/25/34		06/25/2019	Paydown		98,247	98,247	74,176	85,842		12,405		12,405		98,247				1,378	09/25/2034	1FIM.....
..61744W-AA-0	.MS MTGE CAP 97-P .MS MTGE CAP 97-P 7.823% 04/25/27		06/01/2019	Paydown		671	671				671		671		671				7	04/25/2027	6*.....
..61745M-SM-1	MSC 2005-T19 D SUB AFC 5.289% 06/12/47 MSAC 2003-NC10 M1 MEZ FLT STEP IRC 3.424%		06/01/2019	Paydown		422,795	422,795	425,090	422,442		354		354		422,795				10,951	06/12/2047	1FIM.....
..61746R-DX-6	10/25/33 MSDNC 2001-TOP3 X1 IO CSTR NTL 0.072%		06/25/2019	Paydown		94,330	94,330	88,435	90,082		4,249		4,249		94,330				1,345	10/25/2033	1FIM.....
..61746W-HJ-2	07/15/33 MSM 2004-4 1A15 SEQ SSNR AS 5.500% 08/25/34		06/01/2019	Paydown															19	07/15/2033	6FE.....
..61748H-DM-0	MSM 2004-10AR 2A1 CSTR PT AS 4.594% 11/25/34		06/01/2019	Paydown		703,926	703,926	691,519	691,763		12,163		12,163		703,926				17,317	08/25/2034	1FIM.....
..61748H-FD-8	MSM 2004-9 3A1 SSNR NAS 5.500% 11/25/34		06/01/2019	Paydown		206,720	206,720	206,027	206,032		688		688		206,720				4,557	11/25/2034	1FIM.....
..61748H-FV-8	MSM 2004-9 3A6 SEQ SSNR AS 5.500% 11/25/34		06/01/2019	Paydown		24,151	24,151	24,019	24,022		130		130		24,151				559	11/25/2034	1FIM.....
..61748H-GA-3	MSM 2006-12XS A4 STEP AFC AS 6.012% 10/25/36		06/01/2019	Paydown		5,592	5,592	5,443	5,517		75		75		5,592				154	11/25/2034	1FIM.....
..61749E-AE-7	MSM 2006-11 1A2 AFC SEQ AS 6.354% 08/25/36		06/01/2019	Paydown		253,202	253,202	113,543	115,523		137,679		137,679		253,202				1,997	10/25/2036	1FIM.....
..61749W-AH-0	MSM 2006-11 1A3 STEP AFC SEQ AS 6.424% 08/25/36		06/01/2019	Paydown		28,757	28,757	11,000	10,544		18,213		18,213		28,757				257	08/25/2036	1FIM.....
..61749W-AJ-6	MSM 2006-15XS A4B STEP AFC AS 6.120% 11/25/36		06/01/2019	Paydown		20,103	20,103	7,580	7,268		12,835		12,835		20,103				180	08/25/2036	1FIM.....
..61750Y-AF-6	MSM 2007-1XS 2A4A STEP AFC AS 6.084% 09/25/46		05/01/2019	Paydown		56,415	56,415	23,776	22,147		34,268		34,268		56,415				589	09/25/2046	1FIM.....
..61753N-AC-4	MSAC 2007-NC2 A2A FLT STEP IRC 2.514% 02/25/37		06/25/2019	Paydown		2,362	2,362	1,053	946		1,417		1,417		2,362				23	02/25/2037	1FIM.....
..61754J-AH-1	MSC 2007-T27 AJ CSTR 6.144% 06/11/42		06/06/2019	BANK OF AMERICA		16,340,960	15,600,525	15,198,042	15,444,335		84,678		84,678		15,529,013		811,947	811,947	702,430	06/11/2042	1FIM.....
..61754J-AH-1	MSC 2007-T27 AJ CSTR 6.144% 06/11/42		06/28/2019	Paydown		78,418	78,418	76,395	77,717		701		701		78,418				2,553	06/11/2042	1FIM.....
..61872#-AA-1	MORRISTOWN TN STATUTORY TRUST- SR-SEC 5.500% 06/30/25		06/30/2019	Redemption 100.0000		50,662	50,662	50,662	50,662						50,662				1,162	06/30/2025	2PL.....
..61913P-AZ-5	MHL 2005-4 A1 FLT STEP AFC 2.684% 10/25/35		06/25/2019	Paydown		1,043,645	1,043,645	993,214	1,000,221		43,424		43,424		1,043,645				12,690	10/25/2035	1FIM.....
..61915R-AL-0	MHL 2005-3 A2 FLT STEP AFC IRC SSU 3.104% 08/25/35		06/25/2019	Paydown		229,606	229,606	211,237	213,981		15,625		15,625		229,606				3,104	08/25/2035	1FIM.....
..61915R-AM-8	MHL 2005-3 M1 MEZ FLT STEP AFC IRC 3.109% 08/25/35		06/25/2019	Paydown		145,491	145,491	128,214	130,684		14,807		14,807		145,491				1,970	08/25/2035	1FIM.....
..61915R-AU-0	MHL 2005-5 A1 FLT STEP AFC IRC SSN 3.006% 12/26/35		04/23/2019	NOMURA SECURITIES INTL INC		10,533,291	10,599,538	10,430,317	10,453,364		5,454		5,454		10,458,818		74,474	74,474	79,200	12/26/2035	1FIM.....
..61915R-AU-0	MHL 2005-5 A1 FLT STEP AFC IRC SSN 3.006% 12/26/35		04/25/2019	Paydown		109,834	109,834	108,080	108,319		1,515		1,515		109,834				28,537	12/26/2035	1FIM.....
..61915R-AW-6	MHL 2005-5 M1 MEZ FLT STEP AFC IRC 3.161% 12/25/35		06/25/2019	Paydown		300,251	300,251	258,625	264,081		36,170		36,170		300,251				4,218	12/25/2035	1FIM.....
..61946G-AA-1	MSAIC 2017-2A A SEQ 3.820% 06/22/43		06/20/2019	Paydown		452,683	452,683	452,625	452,626		57		57		452,683				7,249	06/22/2043	1FE.....
..620076-BB-4	MOTOROLA SOLUTIONS INC SR UNSEC 3.750% 05/15/22		05/24/2019	TENDER SALE		17,209,546	17,520,000	17,456,402	17,495,855		2,668		2,668		17,498,523		(288,977)	(288,977)	344,925	05/15/2022	2FE.....
..620076-BD-0	MOTOROLA SOLUTIONS INC SR UNSEC 3.500% 09/01/21		05/24/2019	TENDER SALE		8,350,725	8,625,000	8,520,551	8,582,314		6,018		6,018		8,588,332		(237,607)	(237,607)	220,536	09/01/2021	2FE.....
..62715*-AA-4	MURRAY ONE SPE EQUITIES LLC-PR SR-SEC 5.610% 10/15/31		06/15/2019	Redemption 100.0000		494,682	494,682	494,682	494,682						494,682				11,570	10/15/2031	1.....

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 4

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

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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 and Admini- strative Symbol /Market Indicator (a)
62819#-AA-5	MUSTANG HILLS-LLC A-SR-SEC 5.150% 11/30/35		05/31/2019	Redemption 100.0000		886,708	886,708	886,708	886,708						886,708				22,833	11/30/2035	2PL
62879#-AA-6	THE NBCU-MIAMI-FL CTL PT TRUST SR-SEC 4.238% 01/31/38		06/28/2019	Redemption 100.0000		437,005	437,005	437,005	437,005						437,005				7,244	01/28/2038	1
62879#-AB-4	NBCU-MIAMI FL CTL PT TR-NBCU A 3.821% 01/31/38		06/30/2019	Redemption 100.0000		96,071	96,071	96,071	96,071						96,071				1,530	01/31/2038	1
62897#-AA-4	NCT-LOUISVILLE-KY GROUND LEASE SR-SEC 3.770% 03/10/45		06/10/2019	Redemption 100.0000		226,931	226,931	226,931	226,931						226,931				3,566	03/10/2045	1FE
62927#-AH-9	NFL VENTURES-L.P. 2015-A-Tranche E-SR 3.860% 04/15/41		04/15/2019	Redemption 100.0000		106,128	106,128	106,128	106,128						106,128				2,048	04/15/2041	1FE
629377-BY-7	NRG ENERGY INC CO.GUARNT 6.250% 05/01/24		05/14/2019	TENDER SALE		26,877,500	26,000,000	26,000,000	26,000,000						26,000,000		877,500	877,500	871,181	05/01/2024	3FE
62937A-A#-2	NPS LLC C-SR-SEC 3.939% 04/01/40		04/01/2019	Redemption 100.0000		594,855	594,855	594,855	594,855						594,855				11,716	04/01/2040	2
62943W-AE-9	CLEARWAY ENERGY OP LLC CO.GUARNT 5.000% 09/15/26		06/19/2019	JP MORGAN SECURITIES		2,931,233	3,018,000	2,844,465	2,847,198		8,494		8,494		2,855,692		75,540	75,540	115,690	09/15/2026	3FE
63080#-AA-9	NARA LEASE-BKD TRUST-GSA NARA SR-SEC 5.110% 06/01/31		06/10/2019	Redemption 100.0000		767,428	767,428	767,428	767,428						767,428				16,349	05/10/2031	1
63615#-AD-3	NAT FOOTBALL LEAGUE A-SR 5.600% 03/31/24		04/15/2019	Redemption 100.0000		1,411,732	1,411,732	1,411,732	1,411,732						1,411,732				39,528	10/15/2023	1FE
63707#-AA-8	NAT OILWELL VARCO LEASED PT TR SR-SEC 4.510% 08/15/38		06/15/2019	Redemption 100.0000		144,768	144,768	144,768	144,768						144,768				2,722	08/15/2038	2
63860#-AA-1	NATIONSBK TR CO NA-POTOMAC SR-SEC 8.880% 12/21/19		06/21/2019	Redemption 100.0000		1,148,486	1,148,486	1,148,486	1,148,486						1,148,486				50,993	12/21/2019	2
64079#-AB-8	NEPTUNE REGIONAL TRANSMISSION SR 6.210% 06/30/27		06/30/2019	Redemption 100.0000		378,777	378,777	378,777	378,777						378,777				11,761	06/30/2027	1PL
643529-AD-2	NCMT 2006-ALT2 AF4 STEP AFC AS 6.094% 10/25/36		06/01/2019	Paydown		41,709	41,709	13,065	12,822		28,888		28,888		41,709				450	10/25/2036	1FM
64352V-EE-7	NCHET 2003-5 A16A STEP AFC SEQ AS 5.054% 11/25/33		06/01/2019	Paydown		449,559	449,559	439,827	440,526		9,033		9,033		449,559				9,204	11/25/2033	1FM
64352V-LY-5	NCHET 2005-A A4 STEP AFC AS 4.678% 08/25/35		06/01/2019	Paydown		622,240	622,240	555,563	567,993		54,247		54,247		622,240				12,312	08/25/2035	1FM
64829G-AJ-8	NRZT 2016-2A B1 SUB AFC 4.500% 11/26/35		06/01/2019	Paydown		37,043	37,043	38,760	38,293		(1,250)		(1,250)		37,043				695	11/26/2035	1FE
653240-AA-9	NEWTOWN CREDIT LEASE TRUST 200 SR-SEC 6.082% 05/15/23		06/15/2019	Redemption 100.0000		1,339,757	1,339,757	1,369,921	1,347,030		(7,273)		(7,273)		1,339,757				33,975	05/15/2023	1
65442#-AA-7	939 ROUTE 1 EDISON LLC-WAL-MAR SR-SEC 5.760% 06/28/30		06/28/2019	Redemption 100.0000		172,873	172,873	172,873	172,873						172,873				4,152	06/28/2030	1
655356-DF-7	NASC 1994-3 A6 PZ W CPT AS 1.463% 07/25/24		06/01/2019	Paydown		9,151	9,151	8,830	9,068		83		83		9,151				314	07/25/2024	1FM
662352-A*-4	NORTH SHORE-LONG ISLAND JEWISH SR-SEC 4.200% 05/01/30		05/01/2019	Redemption 100.0000		377,200	377,200	377,200	377,200						377,200				7,921	05/01/2030	1
66881@-AA-1	NORVIN PASADENA LP-ST. LUKES-P SR-SEC 4.930% 10/15/30		06/15/2019	Redemption 100.0000		429,823	429,823	429,823	429,823						429,823				8,834	10/15/2030	2
66881@-AB-9	NORVIN PASADENA LP-ST. LUKES A SR-SEC 4.690% 10/15/30		06/15/2019	Redemption 100.0000		50,813	50,813	50,813	50,813						50,813				994	10/15/2030	2
67084#-AA-6	OBK AURORA-LLC-WALGREEN SR-SEC 6.450% 02/15/28		06/15/2019	Redemption 100.0000		40,054	40,054	40,054	40,054						40,054				1,077	02/15/2028	2
67090@-AA-6	OG SIKESTON MO LANDLORD LLC SR-SEC 7.690% 08/31/31		06/30/2019	Redemption 100.0000		238,109	238,109	238,109	238,109						238,109				7,636	08/31/2031	2
67090U-AB-9	THOR 2018 A SEQ 4.160% 02/09/30		06/09/2019	Paydown		2,954,125	2,954,125	2,953,432	2,953,503		623		623		2,954,125				51,495	02/09/2030	1PL
67090U-AD-5	THOR 2018 C SUB 4.250% 02/09/30		06/09/2019	Paydown		1,339,265	1,339,265	1,286,566	556,786		49,013		49,013		1,339,265				13,104	02/09/2030	3PL
674092-AA-9	OAKWOOD MTGE INVESTORS INC OAKWOOD MTGE INV INC. 8.900% 06/15/20		06/17/2019	REMOVED			5,956,683													06/15/2020	6*
67624@-AA-1	OFFICE PARK GROUND LEASE TRUST 2013-SR-SEC 4.000% 02/15/41		06/15/2019	Redemption 100.0000		56,012	56,012	56,012	56,012						56,012				934	02/15/2041	1FE
682438-AB-2	AACMT 2002-C5 X 10 CSTR NTL 0.157% 10/18/32		04/11/2019	Paydown				3,798,232											70,520	10/18/2032	1FE
682438-AC-0	AACMT 2002-C5 B SUB CSTR 5.945% 10/18/32		04/11/2019	Paydown		11,060,000	11,060,000	11,166,481	11,064,567		(4,567)		(4,567)		11,060,000				219,240	10/18/2032	1FM

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 4

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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 and Admini- strative Symbol /Market Indicator (a)
682438-AD-8	AACMT 2002-C5 C SUB CSTR 6.063% 10/18/32		04/11/2019	Paydown		17,024,000	17,024,000	17,187,866	17,030,971						17,024,000				344,159	10/18/2032	1FM
682438-AE-6	AACMT 2002-C5 D SUB CSTR 6.609% 10/18/32		04/11/2019	Paydown		10,000,000	10,000,000	10,091,924	10,003,517						10,000,000				220,361	10/18/2032	1FM
682438-AF-3	AACMT 2002-C5 E SUB CSTR 6.950% 10/18/32		04/11/2019	Paydown		9,999,850	9,999,850	10,089,567	10,003,216						9,999,850				242,739	10/18/2032	1FM
682550-AA-5	1998 BAMA GAS-AL GAS SR-SEC 6.950% 01/10/24		06/10/2019	Redemption 100.0000		241,383	241,383	241,383	241,383						241,383				6,630	01/10/2024	1
68279#-AA-5	1734 LLC-USPS SR-SEC 5.400% 06/15/30		05/20/2019	Call 115.3122		3,387,980	2,938,094	2,938,094	2,938,094						2,938,094				518,195	06/15/2030	1
68279#-AA-5	1734 LLC-USPS SR-SEC 5.400% 06/15/30		05/15/2019	Redemption 100.0000		25,313	25,313	25,313	25,313						25,313				513	06/15/2030	1
68279#-AB-5	120 LONG RIDGE LLC-GEN RE A-2-SR-SEC 4.700% 04/15/30		06/15/2019	Redemption 100.0000		1,060,423	1,060,423	1,060,423	1,060,423						1,060,423				20,864	04/15/2030	1
68282#-AA-0	1223 16TH STREET PT TRUST-UCLA SR-SEC 4.627% 03/15/42		06/15/2019	Redemption 100.0000		95,753	95,753	97,448	97,157						95,753				1,847	03/15/2042	1
68389F-ES-9	00MLT 2004-1 M1 MEZ FLT STEP 3.304%		01/25/34	MORGAN STANLEY & CO. INC.		2,687,214	2,731,603	2,537,238	2,572,735						2,576,089		111,125	111,125	28,371	01/25/2034	1FM
68504W-AA-5	ONGLT 2018-A A SEQ 3.100% 11/08/30		06/08/2019	Paydown		513,332	513,332	513,272	513,277						513,332				6,658	11/08/2030	1FE
69121P-DE-0	ONWIT 2006-2 A2B STEP 5.633% 01/25/37		06/01/2019	Paydown		104,054	104,054	104,054	104,054						104,054				1,125	01/25/2037	1FM
693304-AP-2	PECO ENERGY CO 1ST MORTG 2.375% 09/15/22		06/06/2019	Various		17,634,511	17,690,000	17,226,232	17,486,882						17,504,208		130,303	130,303	295,003	09/15/2022	1FE
69336Q-AF-9	PHHMC 2007-4 A6 CSTR AD AS 5.956% 07/18/37		06/01/2019	Paydown		93,651	93,651	90,112	90,903						93,651				1,854	07/18/2037	1FM
69336Q-AG-7	PHHMC 2007-4 A7 CSTR Z NAS 5.956% 07/18/37		06/01/2019	Paydown		656,321	656,321	636,128	646,839						656,321				12,994	07/18/2037	1FM
69337N-AC-2	PHHMC 2007-3 A3 CSTR SUP AD AS 4.948%		06/01/2019	Paydown		50,104	50,104	45,305	45,585						50,104				852	06/18/2037	1FM
6934K#-AA-6	PNC CTL PT TRUST-WAG OAKLAND SR-SEC 6.870%		06/18/2019	Redemption 100.0000		68,851	68,851	68,852	68,851						68,851				1,972	12/18/2034	2
69379#-AA-4	PT-EDISON DC-LLC-PEPCO SR-SEC 6.731%		06/15/2019	Redemption 100.0000		373,665	373,665	373,665	373,665						373,665				10,488	12/15/2028	2
69398#-AA-9	PACEWELL 2-LLC 4.040% 09/22/48		05/10/2019	Redemption 100.0000		478,377	478,377	478,377	478,377						478,377				9,502	09/22/2048	1FE
69398#-AB-7	PACEWELL 2-LLC SR-UNSEC 4.040% 09/22/48		05/10/2019	Redemption 100.0000		382,702	382,702	382,702	382,702						382,702				7,602	09/22/2048	1FE
69398#-AC-5	PACEWELL 2-LLC SR-UNSEC 4.220% 09/22/48		05/10/2019	Redemption 100.0000		191,351	191,351	191,351	191,351						191,351				3,970	09/22/2048	1FE
69398#-AD-3	PACEWELL 2-LLC SR-UNSEC 4.300% 09/22/48		05/10/2019	Redemption 100.0000		382,702	382,702	382,702	382,702						382,702				8,091	09/22/2048	1FE
694308-GE-1	PACIFIC GAS & ELECTRIC SR UNSEC 6.050%		03/01/34	Various		69,383,750	68,000,000	59,160,000	69,465,186						59,160,000		10,223,750	10,223,750		03/01/2034	6FE
694308-GJ-0	PACIFIC GAS & ELECTRIC SR UNSEC 5.800%		03/01/37	SEA PORT GROUP THE LLC		32,488,750	33,000,000	28,215,000	32,708,087						28,215,000		4,273,750	4,273,750		03/01/2037	6FE
694308-GQ-4	PACIFIC GAS & ELECTRIC SR UNSEC 6.250%		03/01/39	Various		30,384,250	30,200,000	26,566,940	29,906,047						26,566,940		3,817,310	3,817,310		03/01/2039	6FE
694308-GS-0	PACIFIC GAS & ELECTRIC SR UNSEC 5.400%		01/15/40	Various		47,243,750	48,250,000	40,823,360	47,650,022						40,823,360		6,420,390	6,420,390		01/15/2040	6FE
694308-HR-1	PACIFIC GAS & ELECTRIC SR UNSEC 4.000%		12/01/46	Various		21,030,863	25,050,000	18,818,813	24,623,525						18,818,813		2,212,050	2,212,050		12/01/2046	6FE
694308-HM-0	PACIFIC GAS & ELECTRIC SR UNSEC 3.300%		12/01/27	CITIGROUP GLOBAL MARKETS INC		1,750,000	2,000,000	1,600,000	1,994,659						1,600,000		150,000	150,000		12/01/2027	6FE
70069F-AE-7	PPSI 2004-WCH1 M3 MEZ FLT STEP 4.279%		09/25/34	Paydown		316,099	316,099	301,231	298,821						316,099				3,946	09/25/2034	1FM
70259#-AB-3	PASHA HAWAII SHIPPING CO LLC SR-SEC 7.250%		12/30/24	Redemption 100.0000		299,999	299,999	299,999	299,999						299,999				9,063	12/01/2024	4
70556#-AA-5	PEF ST. PETERSBURG FL-LLC-PROG SR-SEC 5.270% 08/15/27		06/15/2019	Redemption 100.0000		258,694	258,694	258,694	258,694						258,694				5,684	04/15/2027	1
718009-A0-2	AQUA AMERICA-INC. SR 4.870% 07/31/23		05/20/2019	Call 104.9757		15,746,355	15,000,000	15,000,000	15,000,000						15,000,000				1,330,755	07/31/2023	1
71904#-AA-2	PHOENIX GARAGE PT TRUST-PHOENI SR-SEC 4.670% 08/15/40		06/15/2019	Redemption 100.0000		86,135	86,135	86,135	86,135						86,135				1,677	08/15/2040	1
72703P-AB-9	PLNT 2018-1A A211 SEQ 4.666% 09/05/48		06/05/2019	Paydown		62,500	62,500	62,500	62,500						62,500				1,458	09/05/2048	2FE



STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
73316P-AE-0	POPLR 2004-4 AF5 STEP AFC AS 4.307% 09/25/34		06/01/2019	Paydown		1,255,206	1,255,206	1,255,175	1,252,653		2,553		2,553		1,255,206				21,561	09/25/2034	1FM
73316P-GH-7	POPLR 2005-5 AF4 STEP AFC AS 3.990% 11/25/35		06/01/2019	Paydown		364,915	364,915	363,433	364,500		415		415		364,915				6,080	11/25/2035	1FM
73557*-AB-0	PORT WASHINGTON GENERATING STA A-SR-SEC 6.000% 06/15/33		06/15/2019	Redemption 100.0000		165,582	165,582	165,582	165,582						165,582				4,142	06/15/2033	1
736508-BQ-4	PORTLAND GENERAL ELEC 1ST MORTG 6.100% 04/15/19		04/15/2019	Maturity		24,750,000	24,750,000	25,229,795	24,767,746		(17,746)		(17,746)		24,750,000				754,875	04/15/2019	1FE
73871F-AA-6	PRAIRIE WIND TRANSMISSION-LLC SR-SEC 3.680% 12/01/44		06/01/2019	Redemption 100.0000		918,733	918,733	918,733	918,733						918,733				16,905	12/01/2044	1
74160M-KV-3	PRIME 2005-4 2A10 SSNR NAS 5.500% 10/25/35		06/01/2019	Paydown		355,679	355,679	351,733	352,361		3,318		3,318		355,679				8,903	10/25/2035	2FM
74166M-AA-4	PRIME SECSRVC BRW/FINANC SECURED 9.250% 05/15/23		04/22/2019	Various		10,976,102	10,601,000	10,661,609	10,632,761		(3,419)		(3,419)		10,629,342		346,760	346,760	424,908	05/15/2023	4FE
743947-AA-1	PHMS 1992-C 1B1 SC SUB 7.400% 08/28/22		06/01/2019	Paydown		83	83		83		83		83		83				3	08/28/2022	1FM
743947-AB-9	PHMS 1992-C 2B1 SC SUB 7.400% 08/28/22		06/01/2019	Paydown		72	72	70	72						72				2	08/28/2022	1FM
743947-AC-7	PHMS 1992-C 3B1 SC SUB 7.400% 08/28/22		06/01/2019	Paydown		105	105	102	105						105				3	08/28/2022	1FM
743947-AD-5	PHMS 1992-C 4B SC SUB 7.400% 08/28/22		06/01/2019	Paydown		18	18				18		18		18				1	08/28/2022	1FM
743947-AE-3	PHMS 1992-C 5B SC SUB 7.400% 08/28/22		06/01/2019	Paydown		47	47				47		47		47				2	08/28/2022	1FM
74456Q-BD-7	PUBLIC SERVICE ELECTRIC 1ST MORTG 3.750% 03/15/24		04/16/2019	KEYBANC CAPITAL MARKETS		15,437,100	15,000,000	14,998,650	14,999,290		37		37		14,999,326		437,774	437,774	332,813	03/15/2024	1FE
745867-AV-3	PULTEGROUP INC CO GUARNT 4.250% 03/01/21		05/31/2019	TENDER SALE		7,425,000	7,500,000	7,500,000	7,500,000						7,500,000		(75,000)	(75,000)	239,063	03/01/2021	3FE
74728*-AA-4	QFI LITTLE ROCK AR-LLC SR-SEC 5.655% 04/10/26		06/10/2019	Redemption 100.0000		104,732	104,732	104,732	104,732						104,732				2,469	04/10/2026	2PL
74731@-BW-8	QUAD GRAPHICS INC. C-SR-SEC 7.810% 04/10/21		04/10/2019			2,000,000	2,000,000	2,072,300	2,020,956		(20,956)		(20,956)		2,000,000				78,100	04/10/2021	3
74834L-AU-4	QUEST DIAGNOSTICS INC SR UNSEC 2.700% 04/01/19		04/01/2019	Maturity		5,000,000	5,000,000	4,996,700	4,999,826		174		174		5,000,000				67,500	04/01/2019	2FE
74834L-AV-2	QUEST DIAGNOSTICS INC SR UNSEC 4.250% 04/01/24		04/05/2019	MIZUHO SECURITIES USA INC.		20,904,400	20,000,000	19,910,800	19,948,877		2,344		2,344		19,951,221		953,179	953,179	443,889	04/01/2024	2FE
74919P-AD-1	RAAC 2006-SP2 M1 MEZ FLT STEP AFC I 2.744% 02/25/36		06/25/2019	Paydown		56,349	56,349	49,693	54,108		2,242		2,242		56,349				708	02/25/2036	1FM
74924P-AE-2	RASC 2004-KS1 A15 STEP AFC AS 5.721% 02/25/34		06/01/2019	Paydown		128,997	128,997	128,993	128,810		186		186		128,997				2,772	02/25/2034	1FM
74924P-AJ-1	RASC 2004-KS1 M13 MEZ AFC NAS 5.517% 02/25/34		05/01/2019	Paydown			44,587												929	02/25/2034	1FM
74924P-AM-4	RASC 2004-KS1 M111 MEZ FLT STEP IRC 3.229% 02/25/34		06/25/2019	Paydown		71,395	71,395	66,272	67,741		3,654		3,654		71,395				961	02/25/2034	1FM
74928X-CN-9	RBSSP 2009-6 12A1 SC PT 5.500% 05/26/35		06/01/2019	Paydown		258,911	258,911	217,485	253,118		5,792		5,792		258,911				6,080	05/26/2035	1FM
74951P-CY-2	RESIF 2004-B B5 SUB FLT 3.962% 02/10/36		06/10/2019	Paydown		4,993	7,905	1,554	936		4,380		4,380		5,316		(323)	(323)	132	02/10/2036	1FM
74951P-DF-2	RESIF 2004-C B3 SUB FLT 3.162% 09/10/36		06/10/2019	Paydown		31,324	31,324	12,385	12,385		18,939		18,939		31,324				454	09/10/2036	1FM
74951P-DG-0	RESIF 2004-C B4 SUB FLT 3.362% 09/10/36		05/10/2019	Paydown		12,169	126,252	33,516	14,245		(1,687)		(1,687)		12,558		(388)	(388)	1,805	09/10/2036	1FM
74951P-DQ-8	RESIF 2005-A B3 SUB FLT 2.992% 03/10/37		06/10/2019	Paydown		26,157	65,004	22,038	22,711		17,181		17,181		39,893		(13,736)	(13,736)	785	03/10/2037	1FM
74951P-EA-2	RESIF 2005-B B4 SUB FLT 3.082% 06/10/37		05/10/2019	Paydown			6,974												92	06/10/2037	1FM
74955D-AA-9	RGS AEGCO FUNDING CORP SECURED 9.810% 12/07/21		06/07/2019	Redemption 100.0000		722,852	722,852	703,662	720,835		2,017		2,017		722,852				35,456	12/07/2021	2FE
74955D-AB-7	RGS AEGCO FUNDING CORP SECURED 9.820% 12/07/22		06/07/2019	Redemption 100.0000																12/07/2022	2FE
74955E-AA-7	RGS 1&M FUNDING CORP SECURED 9.810% 12/07/21		06/07/2019	Redemption 100.0000		3,779,030	3,779,030	3,823,792	3,782,170		(3,140)		(3,140)		3,779,030				185,361	12/07/2021	2FE
74955E-AB-5	RGS 1&M FUNDING CORP SECURED 9.820% 06/07/22		06/07/2019	Redemption 100.0000																	
749577-AL-6	RFMSI 2006-S9 A11 RTL AS 6.250% 09/25/36		06/01/2019	Paydown		52,388	67,832	43,544	43,746		18,585		18,585		62,331		(9,943)	(9,943)	1,772	06/07/2022	2FE
74957E-AE-7	RFMSI 2006-S5 A5 SEQ SSNR AS 6.000% 06/25/36		06/01/2019	Paydown		86,914	100,111	70,296	72,800		23,704		23,704		96,505		(9,591)	(9,591)	2,567	06/25/2036	1FM
74957E-AF-4	RFMSI 2006-S5 A6 SSNR NAS 6.000% 06/25/36		06/01/2019	Paydown		174,493	200,989	147,142	151,877		42,630		42,630		194,507		(20,014)	(20,014)	5,153	06/25/2036	1FM

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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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 and Admini- strative Symbol /Market Indicator (a)
74957V-AQ-2	RFMSI 2006-S6 A15 SSNR NAS 6.000% 07/25/36		06/01/2019	Paydown		196,115	208,808	148,899	153,419		52,034		52,034		205,453		(9,338)	(9,338)	5,680	07/25/2036	1FM
74957X-AF-2	RFMSI 2006-S8 A6 SSNR NAS 6.000% 09/25/36		06/01/2019	Paydown		582,013	613,496	449,508	465,776		140,203		140,203		605,979		(23,966)	(23,966)	16,172	09/25/2036	1FM
749583-AH-3	RFMSI 2007-S2 A8 SEQ AS 6.000% 02/25/37		06/01/2019	Paydown		135,516	142,911	82,374	86,750		53,250		53,250		139,999		(4,483)	(4,483)	3,754	02/25/2037	1FM
74958A-AD-6	RFMSI 2006-S7 A4 SSNR NAS 6.250% 08/25/36		06/01/2019	Paydown		259,453	312,267	196,814	194,742		97,404		97,404		232,145		(32,692)	(32,692)	8,694	08/25/2036	1FM
74958A-AH-7	RFMSI 2006-S7 A8 SSNR AS 6.000% 08/25/36		06/01/2019	Paydown		235,868	283,880	178,176	186,770		80,488		80,488		267,258		(31,390)	(31,390)	7,588	08/25/2036	1FM
74958B-AH-5	RFMSI 2007-S3 1A2 SEQ AS 6.000% 03/25/37		06/01/2019	Paydown		300,741	351,824	195,813	201,108		128,518		128,518		329,626		(28,885)	(28,885)	9,115	03/25/2037	1FM
74983B-AA-2	RS COGEN LLC B-SR-SEC 8.730% 10/15/22		06/30/2019	Redemption	100.0000	4,500,000	4,500,000	4,500,000	4,500,000						4,500,000				295,729	09/30/2022	6
75216#-AA-6	RANCO-RIC-LLC-PERFORMANCE FOOD SR-SEC 7.600% 10/01/24		06/01/2019	Redemption	100.0000	132,917	132,917	132,917	132,917						132,917				4,213	10/01/2024	2PL
75409#-AA-3	RATHDRUM POWER-LLC C-SR-SEC 8.580% 09/12/26		06/12/2019	Redemption	100.0000	245,000	245,000	245,000	245,000						245,000				10,603	09/12/2026	2
75884R-AS-2	REGENCY CENTERS LP CO.GUARNT 4.800% 04/15/21		04/01/2019	Call	103.8480	10,384,800	10,000,000	9,986,000	9,996,373		372		372		9,996,745		3,255	3,255	604,800	04/15/2021	2FE
75935B-AJ-9	REINALT-THOMAS CORP SR-UNSEC 7.780% 04/20/19		04/20/2019	Redemption	100.0000	2,142,858	2,142,858	2,142,858	2,142,858						2,142,858				83,357	04/20/2019	2
759468-AA-9	RELIANCE HOLDINGS USA CO.GUARNT 4.500% 10/19/20		05/31/2019	GOLDMAN SACHS & COMPANY		5,107,500	5,000,000	4,786,720	4,946,902		12,053		12,053		4,958,955		148,545	148,545	140,625	10/19/2020	2FE
75971E-AF-3	RAMC 2006-3 AF3 STEP IRC AS 5.586% 11/25/36		05/01/2019	Paydown		78	78	36	36		41		41		78				2	11/25/2036	1FM
759950-CU-0	RAMC 2004-2 AF5 STEP AFC AS 6.058% 07/25/34		06/01/2019	Paydown		408,299	408,299	408,299	408,299						408,299				6,802	07/25/2034	1FM
759950-GA-0	RAMC 2005-4 A6 STEP AFC NAS 5.749% 02/25/36		06/01/2019	Paydown		340,225	340,225	102,702	105,062		235,163		235,163		340,225				5,081	02/25/2036	1FM
759950-GW-2	RAMC 2006-1 AF4 STEP AFC AS 6.011% 05/25/36		06/01/2019	Paydown		21,741	21,741	13,663	13,704		8,037		8,037		21,741				578	05/25/2036	1FM
760985-6L-0	RAMP 2004-SL2 M1 MEZ CSTR NAS 6.845% 10/25/31		06/01/2019	Paydown		14,197	40,064	8,896	6,095		12,188		12,188		18,284		(4,086)	(4,086)	1,142	10/25/2031	1FM
760985-Q3-8	RAMP 2004-RS2 A14 STEP AFC AS 5.630% 02/25/34		06/01/2019	Paydown		180,443	180,443	180,443	180,443						180,443				4,219	02/25/2034	1FM
76110H-Z2-1	RALI 2005-QS5 A3 SEQ AS 5.700% 04/25/35		06/01/2019	Paydown		77,053	20,510	77,053	2,303		74,749		74,749		1,983				1,983	04/25/2035	1FM
76110H-J9-1	RALI 2004-QS16 1A5 NAS 5.500% 12/25/34		06/01/2019	Paydown		210,779	210,779	201,212	202,253		8,527		8,527		210,779				5,275	12/25/2034	1FM
76110H-TG-4	RALI 2004-QS6 A1 SEQ AS 5.000% 05/25/19		05/01/2019	Paydown		1,000	716	657	716						716		285	285	24	05/25/2019	1FM
76110H-VH-9	RALI 2004-QS9 A1 PT AS 5.000% 06/25/19		06/01/2019	Paydown		115,446	115,446	107,802	112,186		3,260		3,260		115,446				2,395	06/25/2019	1FM
76110H-X5-3	RALI 2005-QS3 1A13 NAS 5.500% 03/25/35		06/01/2019	Paydown		73,595	141,706	128,418	130,790		5,220		5,220		136,010		(62,415)	(62,415)	2,744	03/25/2035	1FM
76110H-X8-7	RALI 2005-QS3 1A23 NAS 5.500% 03/25/35		06/01/2019	Paydown		204,931	222,537	180,436	180,391		38,785		38,785		219,177		(14,246)	(14,246)	5,080	03/25/2035	1FM
76110W-FW-1	RASC 1999-RS1 A13 AFC SEQ 6.846% 10/25/29		06/01/2019	Paydown		23,434	23,434	23,324	23,326		108		108		23,434				655	10/25/2029	1FM
76110W-PP-3	RASC 2003-KS4 A15 STEP AFC AS 5.170% 06/25/33		06/01/2019	Paydown		257,906	257,906	257,792	257,444		462		462		257,906				5,403	06/25/2033	1FM
76110W-RX-6	RASC 2003-KS4 M13 MEZ STEP AFC NAS 6.530% 06/25/33		06/01/2019	Paydown		2	74,416	46	348		2		2		349		(348)	(348)	1,581	06/25/2033	1FM
76110W-SZ-0	RASC 2003-KS7 A15 STEP AFC AS 5.750% 09/25/33		06/01/2019	Paydown		508,052	508,052	504,939	505,505		2,547		2,547		508,052				9,936	09/25/2033	1FM
76110W-VV-5	RASC 2003-KS11 M111 MEZ FLT STEP IR 3.289% 01/25/34		06/25/2019	Paydown		106,634	106,634	93,978	97,591		9,044		9,044		106,634				1,601	01/25/2034	1FM
76110W-WF-9	RASC 2004-KS2 A15 STEP AFC AS 5.319% 03/25/34		06/01/2019	Paydown		170,750	170,750	170,717	170,508		241		241		170,750				3,953	03/25/2034	1FM
76110W-WN-2	RASC 2004-KS2 M21 MEZ FLT STEP IRC 3.169% 03/25/34		06/25/2019	Paydown		78,857	78,857	65,426	68,688		10,169		10,169		78,857				1,155	03/25/2034	1FM
76110W-YD-2	RASC 2004-KS5 A15 STEP AFC AS 4.821% 06/25/34		06/01/2019	Paydown		189,032	189,032	187,134	187,305		1,727		1,727		189,032				3,963	06/25/2034	1FM
76110W-ZN-9	RASC 2004-KS6 A15 CSTR STEP AFC AS 5.126% 07/25/34		06/01/2019	Paydown		211,794	211,794	209,848	210,776		1,017		1,017		211,794				4,926	07/25/2034	1FM
76111B-AE-8	RALI 2005-QS7 A5 SSNR NAS 5.500% 06/25/35		06/01/2019	Paydown		298,877	315,888	178,428	177,300		131,096		131,096		308,395		(9,518)	(9,518)	7,972	06/25/2035	1FM
76111B-DN-5	RALI 2005-QS12 A1 FLT IRC AD SSNR A 2.904% 08/25/35		06/25/2019	Paydown		63,802	85,974	49,218	47,057		29,012		29,012		76,069		(12,267)	(12,267)	1,155	08/25/2035	1FM

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
761118-DR-6	RALI 2005-QS12 A4 SSNR NAS 5.500% 08/25/35		06/01/2019	Paydown		77,124	103,927	58,554	50,697		39,589		39,589		90,286		(13,162)	(13,162)	2,571	08/25/2035	1FM
761118-PQ-5	RALI 2005-QS17 A1 SSNR NAS 6.000% 12/25/35		06/01/2019	Paydown		95,965	130,183	81,996	84,437		33,866		33,866		118,303		(22,338)	(22,338)	3,317	12/25/2035	1FM
76111X-C7-6	RFMSI 2005-S8 A3 NAS 5.500% 11/25/35		06/01/2019	Paydown		410,382	451,049	288,557	244,921		187,196		187,196		432,117		(21,735)	(21,735)	11,675	11/25/2035	1FM
76111X-E9-0	RFMSI 2005-S9 A9 Z SSNR AS 5.500% 12/25/35		06/01/2019	Paydown		97,830	105,320	79,112	71,835		31,109		31,109		102,944		(5,114)	(5,114)	2,733	12/25/2035	1FM
76111X-N9-0	RFMSI 2006-S3 A3 Z SSNR AS 5.500% 03/25/36		06/01/2019	Paydown		73,194	81,179	44,989	46,918		30,902		30,902		77,819		(4,625)	(4,625)	1,724	03/25/2036	1FM
76111X-RD-7	RFMSI 2004-S9 1A2S SSNR NAS 5.500% 12/25/34		06/01/2019	Paydown		229,020	229,020	230,309	229,648		(628)		(628)		229,020				5,681	12/25/2034	1FM
76111X-YH-0	RFMSI 2005-SA4 2A1 CSTR AS 4.635% 09/25/35		06/01/2019	Paydown		40,480	40,998	30,792	27,392		13,428		13,428		40,820		(340)	(340)	814	09/25/2035	1FM
76112B-HX-1	RAMP 2005-RS1 A15 CSTR STEP AFC AS 5.912% 01/25/35		06/01/2019	Paydown		322,018	322,018	322,018	322,018						322,018				8,339	01/25/2035	1FM
76112B-QL-7	RAAC 2005-SP1 3A1 SSNR NAS 6.000% 09/25/34		06/03/2019	Paydown		677,333	677,333	679,873	677,672		(339)		(339)		677,333				18,442	09/25/2034	1FM
76112B-YD-6	GMACM 2005-AR5 4A1 CSTR SSNR AS 4.070% 09/19/35		06/01/2019	Paydown		362,932	362,932	214,806	151,911		211,021		211,021		362,932				5,961	09/19/2035	1FM
76113G-AA-6	RESIF 2005-C B3 SUB FLT 3.012% 09/10/37		06/10/2019	Paydown		106	82,667				106		106		106				946	09/10/2037	1FM
76201*-AA-5	RFC LEASE TRUST SER 2009-1-HP SR-SEC 6.305% 11/15/24		06/15/2019	Redemption	100.0000	385,205	385,205	389,057	387,061		(1,856)		(1,856)		385,205				10,127	11/15/2024	2
762010-AE-6	RFMSI 2006-S4 A5 PAC-11 AS 6.000% 04/25/36		06/01/2019	Paydown		102,215	111,488	73,165	61,457		45,908		45,908		107,364		(5,149)	(5,149)	2,666	04/25/2036	1FM
76541#-AA-0	RICHMOND VA STATUTORY TRUST-PF SR-SEC 5.500% 06/30/25		06/30/2019	Redemption	100.0000	79,248	79,248	79,248	79,248						79,248				1,817	06/30/2025	2PL
76716X-AA-0	RIO OIL FINANCE TRUST SR SEC 9.250% 07/06/24		04/06/2019	Redemption	100.0000	320,334	320,334	322,507	321,477		(1,144)		(1,144)		320,334				14,815	07/06/2024	3FE
772739-AP-3	WESTROCK RKT LLC CO GUARNT 3.500% 03/01/20		06/03/2019	Call	100.5230	9,725,600	9,675,000	9,608,342	9,662,909		4,297		4,297		9,667,205		7,795	7,795	219,913	03/01/2020	2FE
77828#-AA-2	ROSS JUPITER ASSOCIATES-LLC-PH SR-SEC 7.450% 11/08/19		06/08/2019	Redemption	100.0000	124,572	124,572	124,572	124,572						124,572				3,870	11/08/2019	1
78404#-AA-4	SCP 2001PE LLC-PERKINELMER INC SR-SEC 8.060% 11/30/22		06/30/2019	Redemption	100.0000	237,863	237,863	237,863	237,863						237,863				7,634	11/30/2022	2
78409#-AA-9	SDALLAS TX REALTY LLC-ALLSTATE SR-SEC 7.030% 01/01/25		06/10/2019	Redemption	100.0000	30,680	30,680	30,681	30,680						30,680				899	12/10/2024	1
78417#-AA-7	SFORT WORTH TX REALTY LLC-ALLS SR-SEC 7.030% 01/01/25		06/10/2019	Redemption	100.0000	26,728	26,728	26,728	26,728						26,728				784	12/10/2024	1
78442F-CD-8	NAVIENT CORP SR UNSEC 5.190% 04/24/19		04/24/2019	Maturity		100,000,000	100,000,000	74,434,170	96,534,244		3,465,756		3,465,756		100,000,000				2,595,000	04/24/2019	3FE
78445G-AD-5	SLMA 2008-8 A4 FLT 4.080% 04/25/23		04/25/2019	Paydown		337,652	337,652	337,652	337,652						337,652				7,048	04/25/2023	2FE
78473W-AF-0	STARM 2007-4 3A1 CSTR SSNR AS 4.316% 10/25/37		06/01/2019	Paydown		534,340	534,426	491,672	486,785		47,633		47,633		534,418		(78)	(78)	10,083	10/25/2037	1FM
78475#-AA-6	SPS AMARILLO TX LANDLORD LLC-X SR-SEC 3.593% 03/31/37		06/30/2019	Redemption	100.0000	240,579	240,579	240,579	240,579						240,579				4,333	03/31/2037	1
78480*-AA-3	SSMC II BORROWER LLC-GSA NOAA 4.020% 01/05/29		06/05/2019	Redemption	100.0000	455,316	455,316	455,316	455,316						455,316				7,630	01/05/2029	1PL
78482#-AA-9	SNHU-MANCHESTER NH CTL PT TR-S SR-SEC 5.411% 12/15/39		05/15/2019	Redemption	100.0000	21,887	21,887	21,996	21,992		(105)		(105)		21,887				444	12/15/2039	1FE
78482#-AA-9	SNHU-MANCHESTER NH CTL PT TR-S SR-SEC 5.411% 12/15/39		06/15/2019	Redemption	100.0000	11,018	11,018	11,073	11,071		(53)		(53)		11,018				298	12/15/2039	1Z
78616#-AA-8	SACRAMENTO FBI LEASE-BKD PT TR 4.370% 09/15/36		06/15/2019	Redemption	100.0000	244,735	244,735	244,735	244,735						244,735				4,458	09/15/2036	1
78825#-AA-3	ST CLAIR R/E-WALMART SR-SEC 7.660% 04/10/21		06/10/2019	Redemption	100.0000	199,563	199,563	199,563	199,563						199,563				6,068	04/10/2021	2
79548K-XY-1	SBM7 1997-LB6 A5 SEQ AS 7.240% 12/25/27		06/01/2019	Paydown		1,816	1,816	1,712	1,807		9		9		1,816				55	12/25/2027	1FM
79548K-YA-0	SBM7 1997-LB6 B1 SUB NAS 7.000% 12/25/27		06/01/2019	Paydown		20,415	20,415	19,980	20,012		402		402		20,415				596	12/25/2027	1FM
79548K-ZH-4	SBM7 1998-AQ1 A5 SEQ AS 7.150% 06/25/28		06/01/2019	Paydown		14,170	14,170	14,168	14,154		16		16		14,170				436	06/25/2028	4FM

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 4

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										11	12	13	14	15							
CUSIP Ident-ification	Description	For-foreign	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 and Admini- strative Symbol /Market Indicator (a)
795500-AD-1	SBM7 2001-1 MF1 MEZ STEP 5.671% 08/25/31 ... SAN ANTONIO SSA LEASE BKD PT T SR-SEC		06/15/2019	Paydown Redemption 100.0000		22,790	22,790	22,455	22,649		141		141		22,790				565	08/25/2031	1FM
796228-AA-8	4.650% 12/15/19 SAVANNAH ECONOMIC DEV. AUTH-GU SR-SEC		06/15/2019	Redemption 100.0000		162,611	162,611	162,611	162,611						162,611				3,152	12/15/2019	1
80483N-AA-5	3.780% 08/15/35 SAST 2000-1 MF2 MEZ STEP AFC NAS 9.230%		06/15/2019			317,717	317,717	317,717	317,717						317,717				5,006	08/15/2035	1
805564-FK-2	02/25/30 SAST 2002-2 AF6 STEP AFC NAS 6.120%		04/01/2019	Paydown		17,749	17,749	17,749	17,749						17,749				360	02/25/2030	1FM
805564-LV-1	11/25/30 SAST 2003-3 AF5 STEP AFC AS 4.713% 12/25/33		06/01/2019	Paydown		3,269	3,269	3,211	3,234		35		35		3,269				46	11/25/2030	1FM
805564-PA-3	SBBLUE ISLAND IL REALTY LLC-ALL SR-SEC		06/01/2019	Paydown Redemption 100.0000		168,453	168,453	168,453	168,453						168,453				3,225	12/25/2033	1FM
80595-AA-9	7.170% 04/01/25 SECAUCUS COMM MTG P-T TRUST C1 SR-SEC		06/10/2019	Redemption 100.0000		25,494	25,494	25,494	25,494						25,494				762	04/10/2023	1
813098-AA-8	5.843% 07/10/29 SABR 2004-0P2 M1 MEZ FLT STEP IRC 3.379%		06/10/2019			176,406	176,406	182,678	179,324		(2,918)		(2,918)		176,406				4,297	07/10/2029	2
81375W-BN-5	08/25/34 SABR 2005-FR2 M2 MEZ FLT STEP 3.379%		06/25/2019	Paydown		95,556	95,556	82,516	85,241		10,314		10,314		95,556				1,142	08/25/2034	1FM
81375W-EF-9	03/25/35 CBASS 2006-CB1 AF3 STEP AFC AS 3.359%		06/25/2019	Paydown		67,054	67,054	52,344	63,618		3,436		3,436		67,054				737	03/25/2035	1FM
81375W-HJ-8	01/25/36 CBASS 2006-CB1 AF4 STEP AFC NAS 3.359%		06/01/2019	Paydown		106,488	106,488	78,599	81,246		25,242		25,242		106,488				1,237	01/25/2036	1FM
81375W-HK-5	01/25/36 SED-GRAY-LLC-WALGREEN SR-SEC 6.450%		06/01/2019	Paydown Redemption 100.0000		28,376	28,376	21,863	22,554		5,822		5,822		28,376				330	01/25/2036	1FM
81519-AA-2	06/15/28 SEMPRA ENERGY SR UNSEC 3.550% 06/15/24		06/15/2019			48,419	48,419	48,419	48,419						48,419				1,302	06/15/2028	2
816851-AV-1	SEMT 2004-7 B1 SUB FLT STEP AFC NAS 3.208%		05/01/2019	BARCLAYS BANK PLC		8,889,144	8,800,000	8,774,304	8,784,881		848		848		8,785,730		103,414	103,414	119,753	06/15/2024	2FE
81744F-DB-0	08/20/34 SEMT 2012-6 A1 CSTR AFC 2.500% 12/25/42		06/20/2019	Paydown		122,704	122,704	116,722	116,817		5,887		5,887		122,704				1,716	08/20/2034	1FM
81744N-AA-8	SERVICE CORP INTL SR UNSEC 5.375% 01/15/22		06/01/2019	Paydown		2,221	2,221	2,269	2,265		(44)		(44)		2,221				23	12/25/2042	1FM
817565-BZ-6	05/21/2019 SFFIN 2013-1A A SEQ 3.980% 01/25/44		05/21/2019	TENDER SALE		31,549,500	32,400,000	32,068,888	32,220,774		14,310		14,310		32,235,084		(685,584)	(685,584)	1,480,275	01/15/2022	3FE
81783R-AA-1	04/25/2019 SRFC 2017-1A B SUB 3.200% 03/20/34		04/25/2019	Paydown		410,667	410,667	410,667	410,667						410,667				8,172	01/25/2044	1FE
82652K-AB-0	06/20/2019 SRFC 2016-1A B SUB 3.670% 03/21/33		06/20/2019	Paydown		626,387	626,387	626,229	626,288		98		98		626,387				8,351	03/20/2034	2FE
82652X-AB-2	06/20/2019 SRFC 2018-3A D SUB 5.200% 09/20/35		06/20/2019	Paydown		201,273	201,273	201,227	201,243		29		29		201,273				3,060	03/21/2033	2FE
82653G-AD-4	06/20/2019 SILVER SPRING METRO CENTER III A1-SR-SEC		06/20/2019	Paydown		683,796	683,796	683,789	683,787		9		9		683,796				14,628	09/20/2035	3FE
82817*-AA-9	06/05/2019 SILVER SPRING METRO CENTER IV- A1-SR-SEC		06/05/2019	Redemption 100.0000		230,868	230,868	230,868	230,868						230,868				3,667	12/05/2028	1
82817@-AA-7	06/05/2019 3.890% 12/05/28		06/05/2019	Redemption 100.0000		40,258	40,258	40,258	40,258						40,258				653	12/05/2028	1
82967N-AS-7	07/15/24 SIRIUS XM RADIO INC CO.GUARNT 6.000%		05/30/2019	CITIGROUP GLOBAL MARKETS INC		5,156,250	5,000,000	5,000,000	5,000,000						5,000,000		156,250	156,250	265,000	07/15/2024	3FE
82967N-BA-5	08/01/27 SIRIUS XM RADIO INC CO.GUARNT 5.000%		06/04/2019	CITIGROUP GLOBAL MARKETS INC		9,887,500	10,000,000	10,000,000	10,000,000						10,000,000		(112,500)	(112,500)	423,611	08/01/2027	3FE
83001@-AA-1	12/31/36 65 GREEN MOUNTAIN ROAD REALTY SR-SEC 4.310%		06/10/2019	Redemption 100.0000		161,107	161,107	161,107	161,107						161,107				2,895	12/31/2036	1
83133#-AA-0	06/10/2019 7.220% 04/01/25		06/10/2019	Redemption 100.0000		30,335	30,335	30,335	30,335						30,335				913	03/10/2025	1
83416W-AB-9	06/30/35 SOCTY 2013-1 A SEQ 4.800% 11/20/38		06/30/2019	Paydown		56,672	56,672	56,672	56,672						56,672				1,119	06/30/2035	2FE
83417B-AA-6	06/20/2019 SOCTY 2014-1 A SEQ 4.590% 04/20/44		06/20/2019	Paydown		218,110	218,110	226,391	225,130		(7,020)		(7,020)		218,110				4,399	11/20/2038	2FE
83417E-AA-0	06/20/2019 SONIC 2016-1A A2 SEQ 4.472% 05/20/46		06/20/2019	Paydown		232,785	232,785	239,118	232,785		(3,265)		(3,265)		232,785				4,481	04/20/2044	2FE
83546D-AD-0	06/20/2019 SONIC 2018-1A A2 SEQ 4.026% 02/20/48		06/20/2019	Paydown		40,000	40,000	40,000	40,000						40,000				745	05/20/2046	2FE
83546D-AF-5	06/20/2019 SOUTHERN CAL EDISON 1ST REF MORT 3.875%		06/20/2019	Paydown		33,750	33,750	33,628	33,638		112		112		33,750				566	02/20/2048	2FE
842400-FR-9	06/01/21 SOUTHERN CAL EDISON 1ST REF MORT 3.500%		05/14/2019	RBC DAIN RAUSCHER INC.		8,072,574	7,970,000	7,924,013	7,957,277		1,876		1,876		7,959,153		113,421	113,421	141,551	06/01/2021	1FE
842400-FY-4	10/01/23		05/13/2019	RBC DAIN RAUSCHER INC.		15,021,137	14,900,000	14,873,776	14,886,402		973		973		14,887,376		133,761	133,761	324,489	10/01/2023	2FE

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
842400-FZ-1	SOUTHERN CAL EDISON 1ST REF MORT 4.650% 10/01/43		05/21/2019	CREDIT SUISSE SECURITIES US LL		24,934,242	24,850,000	24,679,032	24,694,610		1,315		1,315		24,695,925		238,316	238,316	744,672	10/01/2043	2FE
842434-CM-2	SOUTHERN CALIF GAS CO 1ST MORTG 3.150% 09/15/24		05/15/2019	DEUTSCHE BANK SECURITIES INCOR		17,576,958	17,400,000	17,350,326	17,369,837		1,811		1,811		17,371,648		205,310	205,310	368,445	09/15/2024	1FE
84314#-AB-7	SOUTHERN ILLINOIS POWER COOP A-SR-SEC 5.750% 06/15/40		06/15/2019	Redemption 100.0000		1,428,571	1,428,571	1,428,571	1,428,571						1,428,571				41,071	06/15/2040	2
843590-BL-3	SPSAC 1997-2 A4 SEQ AS 7.450% 05/25/27		06/01/2019	Paydown		6,212	6,212	6,212	6,212						6,212				191	05/25/2027	1FM
84604C-AE-7	SBHEL 2000-1 A5 SEQ AS 7.710% 12/25/30		05/01/2019	Paydown		28,150	28,150	14,876	15,912		12,238		12,238		28,150				850	12/25/2030	4FM
84751P-AX-7	SURF 2003-BC3 M1 MEZ FLT STEP IRC 3.379% 08/25/34		06/25/2019	Paydown		83,410	83,410	79,606	80,478		2,932		2,932		83,410				1,305	08/25/2034	1FM
84860*-AB-9	SPIRITS NEWCO LLC A-SR-SEC 3.850% 03/31/33		06/30/2019	Redemption 100.0000		114,439	114,439	114,439	114,439						114,439				2,203	03/31/2033	2PL
848609-AA-1	SPIRITS OF ST LOUIS BASKETBALL SR 5.300% 03/29/33		06/30/2019	Redemption 100.0000		66,801	66,801	66,902	66,878		(77)		(77)		66,801				1,184	03/29/2033	2PL
84862#-AA-5	SPLANO TX REALTY LTD PTNSP-ALL SR-SEC 7.130% 03/01/25		06/10/2019	Redemption 100.0000		32,098	32,098	32,098	32,098						32,098				954	02/10/2025	1
85022W-AA-2	SCFT 2016-AA A SEQ 3.050% 04/25/29		06/04/2019	Paydown		7,568,013	7,568,013	7,567,723	7,567,767		246		246		7,568,013				100,856	04/25/2029	1FE
85022W-AB-0	SCFT 2016-AA B SUB 4.100% 10/25/33		06/04/2019	Paydown		12,500,000	12,500,000	12,499,359	12,499,429		571		571		12,500,000				222,083	10/25/2033	1FE
85136#-AA-2	SPRINGFIELD SSA LEASE-BKD PT T SR-SEC 4.000% 06/15/22		06/15/2019	Redemption 100.0000		58,316	58,316	58,316	58,316						58,316				972	06/15/2022	1
85234#-AB-1	STADIUM FDG TRUST SR-SEC 5.000% 04/01/39		04/01/2019	SUNNOVA ISSUER-LLC SR-UNSEC 4.950% 04/30/31		992,330	992,330	992,330	992,330						992,330				24,808	04/01/2039	2PL
85236#-AA-1	STARM 2007-S1 4A1 CSTR SSNR AS 4.874% 01/25/37		04/30/2019	Paydown		178,087	178,087	178,087							178,087				808	04/30/2031	1Z
855541-AD-0	STEELRIVER TRANSMISSION CO LLC 3.820% 06/30/47		06/01/2019	Redemption 100.0000		395,013	395,013	355,734	363,445		31,568		31,568		395,013				7,790	01/25/2037	1FM
858271-A*-0	STERLING-MADISON HEIGHTS MI-LL SR-SEC 5.660% 09/30/25		06/30/2019	Redemption 100.0000		536,897	536,897	536,897	536,897						536,897				10,255	06/30/2047	2FE
85939#-AA-1	STERLING-MADISON HEIGHTS MI-LL SR-SEC 5.660% 09/30/25		06/15/2019	Redemption 100.0000		31,521	31,521	31,521	31,521						31,521				763	09/15/2025	1
85951@-AA-6	STERLING-SARASOTA FL-LLC-ALLST SR-SEC 7.220% 07/10/25		06/10/2019	Redemption 100.0000		32,343	32,343	32,343	32,343						32,343				974	07/10/2025	1
85962#-AA-1	STERLING-THORNTON CO-LLC-ALLST SR-SEC 7.220% 04/01/25		06/10/2019	Redemption 100.0000		34,501	34,501	34,501	34,501						34,501				1,039	03/10/2025	1
86336D-AA-3	PROW 2004-1A A SEQ 7.450% 04/20/24		04/20/2019	Paydown		675,379	675,379	675,379	675,379						675,379				25,158	04/20/2024	2FE
863579-DQ-8	SARM 2004-17 A1 CSTR AS 3.133% 11/25/34		06/01/2019	Paydown		155,364	155,364	138,468	139,388		15,976		15,976		155,364				1,616	11/25/2034	1FM
863579-Q4-3	SARM 2006-1 6A1 CSTR PT SSNR AS 4.195% 02/25/36		06/01/2019	Paydown		394,922	393,932	196,625	146,662		247,894		247,894		394,556		366	366	6,470	02/25/2036	1FM
86358E-GW-0	SAIL 2004-2 A4 FLT STEP 3.109% 03/25/34		06/25/2019	Paydown		289,773	289,773	265,514	273,148		16,624		16,624		289,773				4,018	03/25/2034	1FM
86358E-PQ-3	SAIL 2004-11 M1 MEZ FLT STEP IRC 3.334% 01/25/35		06/25/2019	Paydown		371,400	371,400	320,622	344,961		26,439		26,439		371,400				5,453	01/25/2035	1FM
86358E-WX-0	SAIL 2005-HE3 M1 MEZ FLT STEP 3.122% 09/25/35		06/25/2019	Paydown		576,165	576,165	504,145	533,080		43,085		43,085		576,165				7,898	09/25/2035	1FM
86358H-NF-2	SAMI 2002-3 CC CPT 9.211% 07/28/28		04/11/2019	Paydown		35	35		(9)		44		44		35				(1)	07/28/2028	1FM
86358R-XZ-5	SASC 2002-AL1 A3 AS CPT SEQ 3.450% 02/25/32		06/01/2019	Paydown		13,275	13,275	12,413	12,469		806		806		13,275				187	02/25/2032	5FE
86359B-2E-0	SASC 2005-2XS 1A4 STEP AFC AS 5.860% 02/25/35		06/01/2019	Paydown		569,714	569,714	569,447	569,714						569,714				12,426	02/25/2035	1FM
86359B-2H-3	SASC 2005-2XS 2A1 XRESET FTV FLT DL 2.940% 02/25/35		06/03/2019	Paydown		12,363	12,363	12,363	12,363						12,363				161	02/25/2035	1FM
86359B-4V-0	SASC 2005-4XS 1A4B STEP AFC AS 5.750% 03/25/35		06/01/2019	Paydown		260,243	260,243	235,324	241,475		18,768		18,768		260,243				5,527	03/25/2035	1FM
86359B-5H-0	SASC 2005-4XS 3A5 STEP AFC AS 5.340% 03/25/35		06/01/2019	Paydown		1,407,673	1,407,673	1,406,793	1,405,259		2,414		2,414		1,407,673				27,188	03/25/2035	1FM
86359B-7H-8	SASC 2005-7XS 1A3 STEP AFC AS 5.540% 04/25/35		06/01/2019	Paydown		1,029,213	1,029,213	1,029,052	1,027,325		1,887		1,887		1,029,213				21,837	04/25/2035	1FM

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 4

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

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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 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 and Admini- strative Symbol /Market Indicator (a)
863590-EM-5	SASC 2005-9XS 1A3A STEP AFC AS 5.750% 06/25/35		06/01/2019	Paydown		497,260	497,260	497,105	496,299		961		961		497,260				12,298	06/25/2035	1FM
863590-MX-2	LXS 2005-2 2A3A STEP AFC AS 5.290% 08/25/35		06/01/2019	Paydown		420,917	420,917	366,188	379,771		41,146		41,146		420,917				7,775	08/25/2035	1FM
863590-QL-4	SASC 2005-16 1A2 SEQ SSNR AS 5.500% 09/25/35		06/01/2019	Paydown		83,691	99,634	88,997	82,402		14,500		14,500		96,902		(13,211)	(13,211)	2,391	09/25/2035	1FM
86359L-GN-3	SAMI 2004-AR8 M MEZ FLT STEP AFC 3.065% 05/19/35		06/19/2019	Paydown		92,854	92,854	81,479	82,256		10,597		10,597		92,854				1,252	05/19/2035	1FM
86364M-AD-2	SAMI 2007-AR4 A4A FLT STEP SSNR AS 2.584% 09/25/47		06/25/2019	Paydown		161,631	161,631	129,709	131,868		29,763		29,763		161,631				1,814	09/25/2047	1FM
87222P-AE-3	TBW 2006-6 A4 STEP AFC IRC AS 5.920% 01/25/37		06/01/2019	Paydown		416,344	416,344	118,523	118,068		298,276		298,276		416,344				7,598	01/25/2037	1FIL
87342R-AB-0	BELL 2016-1A A211 SEQ 4.377% 05/25/46		05/25/2019	Paydown		91,250	91,250	91,250	91,250						91,250				1,997	05/25/2046	2FE
87342R-AD-6	BELL 2018-1A A21 SEQ 4.318% 11/25/48		05/25/2019	Paydown		72,750	72,750	72,750	72,750						72,750				1,545	11/25/2048	2FE
87342R-AE-4	BELL 2018-1A A211 SEQ 4.940% 11/25/48 TAILWIND SMITH COOPER INTERMED SUB-UNSEC 10%		05/25/2019	Paydown		122,500	122,500	122,500	122,500						122,500				2,975	11/25/2048	2FE
874038-AA-6	cash 1% pik 11.000% 05/21/24		05/28/2019	Call	102.0000	21,751,187	21,324,693	21,324,693	21,290,391						21,324,693				1,334,739	05/21/2024	5GI
876770-AA-9	TXEZ 2016-1A A SEQ 3.131% 06/15/28		06/15/2019	Paydown		498,609	498,609	498,605	498,605		4		4		498,609				6,759	06/15/2028	1FE
876770-AB-7	TXEZ 2016-1A B SUB 4.575% 06/15/28		06/15/2019	Paydown		121,879	121,879	121,504	121,607		272		272		121,879				2,642	06/15/2028	1FE
878091-AN-7	TIAA 2001-C1A X 10 CSTR NTL 4.977% 06/17/33		06/01/2019	Paydown				24,893	6,389		(224)		(224)		6,164		(6,164)	(6,164)	12,155	06/17/2033	6*
88017#-AA-0	TEMPLE TX STATUTORY TRUST-PFG SR-SEC 5.500% 06/30/25		06/30/2019	Redemption	100.0000	74,283	74,283	74,283	74,283						74,283				1,703	06/30/2025	2PL
88104#-AA-4	TERRAFORM UTILITY SOLAR XIX HL SR-UNSEC 4.590% 08/31/40		06/30/2019	Redemption	100.0000	295,722	295,722	295,722	295,722						295,722				6,787	08/31/2040	3
88104@-AA-6	TERRAFORM FALCON 1-LLC 4.640% 12/31/32		04/09/2019	Redemption	0.0000														(6,938)	12/31/2032	2Z
88104@-AA-6	TERRAFORM FALCON 1-LLC 4.640% 12/31/32 TMTS 2006-5 1A2B FLT STEP IRC 2.612%		06/30/2019	Redemption	100.0000	1,042,214	1,042,214	1,042,214	1,042,214						1,042,214				24,045	12/31/2032	3
881561-2F-0	07/25/37		06/25/2019	Paydown		105,724	105,724	91,823	97,149		8,575		8,575		105,724				1,221	07/25/2037	1FM
88159T-AA-8	TES 2017-2A A SEQ 4.120% 02/20/48		04/11/2019	CITIGROUP GLOBAL MARKETS INC		2,852,155	2,892,033	2,891,841	2,891,590		(8)		(8)		2,891,581		(39,427)	(39,427)	77,780	02/20/2048	1FE
88307*-AA-3	TEXOMA WIND-LLC 4.120% 06/30/34		06/30/2019	Redemption	100.0000	5,226,322	5,226,322	5,226,322	5,226,322						5,226,322				107,662	06/30/2034	2PL
885220-EE-9	TMST 2003-5 4A CSTR PT AS 4.251% 10/25/43 TMST 2007-1 A2B MR FLT CMLPX AFC IR 3.502%		06/01/2019	Paydown		92,305	92,305	91,689	91,695		610		610		92,305				1,625	10/25/2043	1FM
88522E-AC-7	03/25/37		06/25/2019	Paydown		325,869	240,581	186,528	181,719		81,539		81,539		263,258		62,610	62,610	6,749	03/25/2037	1FM
88576V-AA-8	HENDR 2008-3A A1 SEQ 8.000% 06/15/45		06/15/2019	Paydown		21,272	21,272	27,893	21,272		(5,851)		(5,851)		21,272				764	06/15/2045	1FE
88576X-AA-4	HENDR 2010-1A A SEQ 5.560% 07/15/59		06/15/2019	Paydown		44,357	44,357	51,382	50,922		(6,565)		(6,565)		44,357				1,042	07/15/2059	1FE
886313-AE-5	TIAA CHURCHILL MIDDLE MARKET C SUB NOTE-CLO 1 0.000% 10/20/28		04/23/2019	Capital Distribution		750,623	750,623	750,623	750,623						750,623					10/20/2028	6*
886314-AE-3	TIAA CHURCHILL MIDDLE MARKET C CLO II SUB NOTES-UNSEC 13.553% 01/24/30		04/24/2019	Capital Distribution		14,345	14,345	14,345	14,345						14,345					12/14/2037	6*
887317-AW-5	WARNER MEDIA LLC CO.GUARNT 3.600% 07/15/25		06/05/2019	Taxable Exchange		56,491,263	55,250,000	53,921,608	54,103,617		65,797		65,797		54,169,414		2,321,849	2,321,849	1,768,000	07/15/2025	2FE
89417E-AF-6	TRAVELERS COS INC SR UNSEC 5.900% 06/02/19		06/02/2019	Maturity		11,500,000	11,500,000	11,449,400	11,497,247		2,753		2,753		11,500,000				339,250	06/02/2019	1FE
89655#-AA-5	TRINITY PT 1 LTD-WALMART SR-SEC 7.010% 03/15/20		06/15/2019	Redemption	100.0000	329,549	329,549	329,549	329,549						329,549				9,633	03/15/2020	2
89655@-AA-7	07/15/20		06/15/2019	Redemption	100.0000	195,464	195,464	195,464	195,464						195,464				5,779	07/15/2020	2
89657B-AA-2	TRL 2019-1A A SEQ 3.820% 04/17/49		06/17/2019	Paydown		74,426	74,426	74,389	74,426		37		37		74,426				529	04/17/2049	1FE
89679H-AA-3	TCF 2017-1A A SEQ 3.520% 06/20/42		06/20/2019	Paydown		250,855	250,855	250,810	250,813		42		42		250,855				3,679	06/20/2042	1FE
89679H-AE-5	TCF 2017-2A A SEQ 3.620% 08/20/42		05/20/2019	Paydown		235,543	235,543	235,516	235,518		26		26		235,543				3,190	08/20/2042	1FE
89679H-AE-5	TCF 2017-2A A SEQ 3.620% 08/20/42		06/20/2019	Paydown		121,008	121,008	120,994	120,994		13		13		121,008				2,190	08/20/2042	2FE
89679H-AJ-4	TCF 2018-1A A SEQ 3.950% 03/20/43		06/20/2019	Paydown		375,000	375,000	374,929	374,930		70		70		375,000				6,172	03/20/2043	1FE

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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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 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 and Admini- strative Symbol /Market Indicator (a)
90184*-AA-7	209-215 DRYDEN CTL PASS THRU T 3.900% 07/15/47		06/15/2019	Redemption 100.0000		209,941	209,941	209,941	209,941						209,941				3,413	07/15/2047	1
90226#-AA-3	2014 REPLACEMENT POWER STATUTO A-SR-SEC 3.850% 05/31/29		05/28/2019	Redemption 100.0000		462,125	462,125	462,125	462,125						462,125				5,962	05/28/2029	1FE
90226#-AA-3	2014 REPLACEMENT POWER STATUTO A-SR-SEC 3.850% 05/31/29		06/28/2019	Redemption 100.0000		232,176	232,176	232,176	232,176						232,176				3,742	05/28/2029	1PL
903293-BE-7	USG CORP CO GUARNT 4.875% 06/01/27		05/24/2019	TENDER SALE		12,120,000	12,000,000	12,000,000	12,000,000						12,000,000		120,000	120,000	281,125	06/01/2027	3FE
90349G-BF-1	UBSBB 2013-06 A4 SEQ 3.244% 04/10/46		06/12/2019	U.S. BANCORP LIBRA		8,735,078	8,500,000	8,461,484	8,478,642		1,486		1,486		8,480,128		254,950	254,950	147,841	04/10/2046	1FM
90362*-AA-1	UCONN LEASED BACK TRUST-UCONN SR-SEC 4.809% 03/15/40		06/15/2019	Redemption 100.0000		1,279,938	1,279,938	1,279,938	1,279,938						1,279,938				25,660	03/15/2040	1
907825-AA-1	UNION PACIFIC RR 2014-1 PT CERTS 3.227% 05/14/26		05/14/2019	Redemption 100.0000		515,999	515,999	515,999	515,999						515,999				8,326	05/14/2026	1FE
912877-X*-3	U.S. TRUST CO OF NY TRST-1ST A SR-SEC 6.950% 12/15/20		06/15/2019	Redemption 100.0000		945,986	945,986	945,986	945,986						945,986				32,873	12/15/2020	2
91741*-AV-5	PHH MTGE SERVICES CORP PHH 1988-3 9.338% 09/15/19		06/15/2019	Paydown		706	706				706		706		706				6	09/15/2019	6*
91826#-AA-5	VA TAL CTL TR SER A-1-VA TALLA 3.500% 07/15/36		06/15/2019	Redemption 100.0000		506,050	506,050	506,050	506,050						506,050				7,277	07/15/2036	1
91845#-AA-2	YZ-SENIOR NOTE CTL PT TRUST SR SECURED 3.810% 05/15/35		06/15/2019	Redemption 100.0000		688,773	688,773	688,434	677,842		339		339		688,773				15,272	05/15/2035	2
91851@-AA-5	VA-MONTEREY-CA CTL PT TRUST-VA A1-SR-SEC 4.270% 02/15/37		06/15/2019	Redemption 100.0000		274,625	274,625	274,625	274,625						274,625				4,833	02/15/2037	1
91853*-AA-5	VA BIRMINGHAM LEASE FINANCE TR 4.740% 10/15/35		06/15/2019	Redemption 100.0000		111,451	111,451	111,451	111,451						111,451				2,202	10/15/2035	1
91853@-AB-1	VA EUGENE LEASE FINANCE TRUST- 4.490% 12/15/35		06/15/2019	Redemption 100.0000		183,397	183,397	183,397	183,397						183,397				3,433	12/15/2035	1
91854*-AA-4	YZ-IRVING-TX-SENIOR NOTE CTL 3.620% 08/15/36		06/15/2019	Redemption 100.0000		229,934	229,934	229,934	229,934						229,934				3,470	08/15/2036	2
91912@-AA-2	PERENNIAL FEE INVESTORS-L.L.C. SR-SEC 4.535% 04/15/46		06/15/2019	Redemption 100.0000		32,656	32,656	32,656	32,656						32,656				631	04/15/2046	1PL
91927#-AA-3	VALLEY 2016 LEASE TRUST-VALLEY 4.030% 02/18/43		06/03/2019	Redemption 100.0000		41,752	41,752	41,752	41,752						41,752				696	02/18/2043	1
92550@-AA-7	RONKONOMA REALTY VENTURE I-LL SR-SEC 6.450% 08/31/23		06/15/2019	Redemption 100.0000		370,519	370,519	370,519	370,519						370,519				9,965	08/15/2023	1
927804-FH-2	VIRGINIA ELEC & POWER CO SR UNSEC 5.000% 06/30/19		06/30/2019	Maturity		30,000,000	30,000,000	29,941,500	29,996,366		3,634		3,634		30,000,000				750,000	06/30/2019	2FE
92854V-AB-1	VSLR 2018-1A B SUB 7.370% 04/30/48		04/30/2019	Paydown		480,220	480,220	480,179	480,053		166		166		480,220				17,696	04/30/2048	3FE
92856P-A*-7	MT STATUTORY-2003 TRUST-VNU SR-SEC 6.628% 12/19/22		06/19/2019	Redemption 100.0000		1,240,104	1,240,104	748,710	748,710		491,393		491,393		1,240,104				41,097	12/19/2022	3
92922F-3J-5	WAMU 2005-AR12 1A4 CSTR SSNR AS 3.993% 10/25/35		06/01/2019	Paydown		58,506	58,506	28,434	13,373		45,132		45,132		58,506				854	10/25/2035	1FM
92922F-5U-8	WAMU 2005-AR15 A1A2 FLT STEP AFC IR 2.684% 11/25/45		06/25/2019	Paydown		404,089	404,089	378,218	378,417		25,672		25,672		404,089				4,653	11/25/2045	1FM
92922F-5W-4	WAMU 2005-AR15 A1B2 FLT STEP AFC IR 2.814% 11/25/45		06/25/2019	Paydown		629,399	629,399	572,280	579,503		49,896		49,896		629,399				7,588	11/25/2045	1FM
92922F-5X-2	WAMU 2005-AR15 A1B3 FLT STEP AFC IR 2.744% 11/25/45		06/25/2019	Paydown		353,992	353,992	319,882	323,684		30,307		30,307		353,992				4,165	11/25/2045	1FM
92922F-6Z-6	WAMU 2005-AR16 1A4A CSTR SSNR AS 4.256% 12/25/35		06/03/2019	Paydown		573,011	573,011	522,427	504,549		68,462		68,462		573,011				10,648	12/25/2035	1FM
92922F-G7-7	WAMU 2005-AR4 A5 CSTR AS 4.266% 04/25/35		06/01/2019	Paydown		969,798	969,798	722,968	589,808		379,990		379,990		969,798				16,918	04/25/2035	1FM
92922F-GN-2	WAMU 2003-S11 1A SEQ AS 5.000% 11/25/33		06/01/2019	Paydown		43,469	43,469	40,250	40,434		3,035		3,035		43,469				906	11/25/2033	1FM
92922F-J4-1	WAMU 2005-AR6 2AB2 FLT STEP AFC SSU 3.144% 04/25/45		06/25/2019	Paydown		899,080	899,080	840,660	888,854		10,226		10,226		899,080				12,416	04/25/2045	1FM
92922F-JV-1	WAMU 2003-S13 11A2 SEQ AS 5.250% 01/25/34		06/01/2019	Paydown		165,026	165,026	159,686	159,834		5,191		5,191		165,026				2,899	01/25/2034	1FM
92922F-JZ-2	WAMU 2003-S13 12A4 SEQ AS 5.500% 01/25/34		06/01/2019	Paydown		31,402	31,402	30,973	30,983		419		419		31,402				730	01/25/2034	1FM
92922F-Q5-0	WAMU 2005-AR7 A4 CSTR AS 4.188% 06/25/35		06/01/2019	Paydown		913,960	913,960	896,099	896,457		17,503		17,503		913,960				15,685	06/25/2035	1FM

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
92922F-U8-9	WAMU 2005-AR9 A1C3 FLT STEP AFC SSU 3.364% 07/25/45		06/25/2019	Paydown		92,218	92,218	84,149	84,753		7,465		7,465		92,218				1,302	07/25/2045	1FM
92922F-VB-1	WAMU 2004-S3 2A6 Z SSNR AS 5.500% 07/25/34		06/01/2019	Paydown		320,520	320,520	299,686	310,562		9,958		9,958		320,520				6,343	07/25/2034	1FM
92922F-VC-9	WAMU 2004-S3 2A7 SSNR NAS 5.500% 07/25/34		06/01/2019	Paydown		131,624	131,624	127,167	127,246		4,378		4,378		131,624				2,606	07/25/2034	1FM
92925C-BH-4	WAMU 2005-AR19 A1C3 FLT STEP AFC IR 2.904% 12/25/45		06/25/2019	Paydown		292,859	292,859	264,291	266,689		26,170		26,170		292,859				4,152	12/25/2045	1FM
92925C-CC-4	WAMU 2006-AR1 1A1A FLT DLY AFC SSNR 3.579% 01/25/46		06/03/2019	Paydown		187,319	187,319	162,323	163,951		23,367		23,367		187,319				2,433	01/25/2046	1FM
92925V-AA-8	WAMU 2007-HY1 1A1 CSTR SSNR AS 3.898% 02/25/37		06/03/2019	Paydown		207,520	208,668	118,224	101,604		106,470		106,470		208,074		(554)	(554)	3,602	02/25/2037	1FM
9292J@-AA-0	CTL PASS THUR TR-WESTERN MICH SR-SEC 3.590% 03/15/31		06/15/2019	Redemption 100.0000		122,118	122,118	122,118	122,118						122,118				1,827	03/15/2031	1
92930R-BB-7	WFRBS 2012-C9 A3 SEQ 2.870% 11/15/45		04/01/2019	Paydown		1,216,265	1,216,265	1,246,619	1,226,653		(10,388)		(10,388)		1,216,265				13,751	11/15/2045	1FM
92971*-AA-0	WCC-ORLANDO FL-SR NT GROUND L SR-SEC 5.223% 10/15/53		06/15/2019	Redemption 100.0000		38,966	38,966	38,966	38,966						38,966				848	10/15/2053	1FE
929766-KS-1	WBCMT 2003-C7 G SUB CSTR 6.321% 10/15/35		06/01/2019	Paydown		158,001	158,001	155,407	157,575		427		427		158,001				4,061	10/15/2035	1FM
929766-SM-6	WBCMT 2004-C12 G SUB CSTR 5.431% 07/15/41		05/01/2019	Paydown		2,438,422	2,438,422	2,336,599	2,433,102		5,321		5,321		2,438,422				54,401	07/15/2041	1FM
92977Y-BQ-3	WMLT 2005-B 3A1 CSTR SSNR AS 4.710% 10/20/35		06/01/2019	Paydown		305,491	305,491	104,559	106,155		199,336		199,336		305,491				6,651	10/20/2035	1FM
93121@-AA-5	WAL-MART ESCONDIDO PT TRUST-WA SR-SEC 5.000% 12/10/32		06/10/2019	Redemption 100.0000		71,536	71,536	71,536	71,536						71,536				1,491	12/10/2032	1
93143@-AA-9	WELLS FARGO BK NW-N.A.-WAG-ERW SR-SEC 5.632% 05/15/32		06/15/2019	Redemption 100.0000		87,548	87,548	87,548	87,548						87,548				2,144	05/15/2032	2
93144#-AA-6	WELLS FARGO BK NW-N.A.-INDIANA SR-SEC 5.900% 11/15/31		06/15/2019	Redemption 100.0000		45,801	45,801	46,782	46,387		(585)		(585)		45,801				1,127	11/15/2031	2
933634-AA-5	WAMU 2007-HY3 1A1 CSTR SSNR AS 3.578% 03/25/37		06/03/2019	Paydown		84,548	85,351	44,293	30,698		54,132		54,132		84,830		(282)	(282)	1,195	03/25/2037	1FM
933634-AJ-6	WAMU 2007-HY3 4A1 CSTR SSNR AS 4.270% 03/25/37		06/01/2019	Paydown		178,884	211,049	200,496	201,017		8,509		8,509		209,527		(30,643)	(30,643)	3,552	03/25/2037	1FM
933638-AB-4	WAMU 2006-AR19 1A1A FLT DLY SSNR AS 3.239% 01/25/47		06/03/2019	Paydown		138,456	138,456	124,783	125,283		13,173		13,173		138,456				1,749	01/25/2047	1FM
933638-AD-0	WAMU 2006-AR19 2A FLT DLY SSNR AS 2.345% 01/25/47		06/01/2019	Paydown		84,372	84,372	79,652	79,743		4,628		4,628		84,372				855	01/25/2047	1FM
93627#-AB-0	WARRIOR TRAIL-DFW-LLC-PERFORMA SR-SEC 7.600% 07/01/26		06/01/2019	Redemption 100.0000		185,513	185,513	185,513	185,513						185,513				5,879	07/01/2026	2PL
939336-QZ-9	WAMMS 2003-MS2 4A5 SSNR NAS 5.750% 02/25/33		06/01/2019	Paydown		19,139	19,139	19,545	19,126		13		13		19,139				466	02/25/2033	1FM
939336-RZ-8	WAMMS 2003-MS3 1A4 SSNR NAS 5.750% 03/25/33		06/01/2019	Paydown		20,154	20,154	20,457	20,223		(69)		(69)		20,154				467	03/25/2033	1FM
939336-Z3-0	WAMU 2005-AR3 A1 CSTR AS 4.458% 03/25/35		06/01/2019	Paydown		285,517	285,517	278,240	279,504		6,013		6,013		285,517				4,535	03/25/2035	1FM
939344-AN-7	WMALT 2006-4 3A3 STEP AFC AS 5.967% 05/25/36		06/01/2019	Paydown		25,410	38,879	3,991	3,550		23,078		23,078		26,628		(1,218)	(1,218)	810	05/25/2036	1FM
93936H-AL-0	WMALT 2007-2 1A11 EXCH FLT SSNR AS 2.724% 04/25/37		06/25/2019	Paydown		61,987	149,755	42,363	36,979		45,510		45,510		82,490		(20,503)	(20,503)	2,074	04/25/2037	1FM
949757-AF-5	WFMS 2004-6 A6 SEQ AS 6.000% 06/25/34		06/01/2019	Paydown		44,150	44,150	44,260	44,150						1,050				1,318	06/25/2034	1FM
949757-AG-3	WFMS 2004-6 A7 NAS 5.500% 06/25/34		06/01/2019	Paydown		60,486	60,486	58,452	58,634		1,853		1,853		60,486				1,318	06/25/2034	1FM
949772-AD-9	WFMS 2005-18 2A1 SSNR NAS 5.500% 01/25/36		06/01/2019	Paydown		504,350	504,350	454,908	469,086		35,264		35,264		504,350				11,557	01/25/2036	1FM
94978#-AH-0	WELLS FARGO BK NW-CVS SR-SEC 7.530% 01/10/24		06/10/2019	Redemption 100.0000		443,673	443,673	443,673	443,670		2		2		443,673				16,620	01/10/2024	2
94978#-CQ-8	WELLS FARGO BK-CVS 2010 SECOND SR-SEC 5.610% 08/10/27		06/10/2019	Redemption 100.0000		412,552	412,552	392,642	401,426		11,126		11,126		412,552				9,649	08/10/2027	2
94978#-HL-4	FURC TRUST NO. 2007-2A 9-SR-SEC 6.090% 09/12/30		06/18/2019	Redemption 100.0000		26,217	26,217	26,217	26,217						26,217				803	01/15/2030	1
94978#-HS-9	WELLS FARGO-ONB 6.64 09/21/202 A-SR-SEC 6.640% 09/21/27		06/21/2019	Redemption 100.0000		41,722	41,722	41,882	41,802		(80)		(80)		41,722				1,155	09/21/2027	1



STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 4

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1	2	3	4	5	6	7	8	9	10	Change In Book/Adjusted Carrying Value					16	17	18	19	20	21	22
										11	12	13	14	15							
CUSIP Ident-ification	Description	For-foreign	Disposal Date	Name of Purchaser	Number of Shares of Stock	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 and Admini-strative Symbol /Market Indicator (a)
94978*-AL-5	WAKE FOREST LEASEBACK PT TRUST SR-SEC 5.930% 05/14/27		06/14/2019	Redemption	100.0000																
949789-AF-8	WFMB 2006-AR19 A6 CSTR SEQ SSNR AS 4.869% 12/25/36		06/01/2019	Paydown		145,231	147,147	103,537	102,971		43,608		43,608		146,578		(1,347)	(1,347)	2,973	12/25/2036	1FM
94980G-AJ-0	WFHET 2004-2 A18 AFC SEQ AS 5.000% 10/25/34		06/01/2019	Paydown		924,499	924,499	808,223	883,599		40,900		40,900		924,499				19,379	10/25/2034	1FM
94980K-AH-5	WFMB 2004-4 A8 SEQ AS 5.500% 05/25/34		06/01/2019	Paydown		330,768	330,768	321,155	327,084		3,684		3,684		330,768				7,574	05/25/2034	1FM
94980K-AN-2	WFMB 2004-4 B1 SUB NAS 5.500% 05/25/34		06/01/2019	Paydown		41,290	41,290	41,225	41,220		70		70		41,290				946	05/25/2034	4FM
94980K-AP-7	WFMB 2004-4 B2 SUB NAS 5.500% 05/25/34		06/01/2019	Paydown		10,081	15,730				10,081		10,081		10,081				372	05/25/2034	1FM
94980S-AS-4	WFMB 2006-9 1A17 SEQ SSNR AS 6.000%		06/03/2019	Paydown		482,362	573,764	454,210	480,889		77,993		77,993		558,882		(76,520)	(76,520)	13,143	08/25/2036	1FM
94980S-BJ-3	WFMB 2006-9 1A33 SEQ SSNR AS 6.000%		06/01/2019	Paydown		303,357	360,839	303,915	322,543		32,234		32,234		354,777		(51,421)	(51,421)	8,271	08/25/2036	1FM
94981N-AA-3	WFMB 2005-AR4 1A1 CSTR PT SSNR AS 5.165% 04/25/35		06/01/2019	Paydown		1,035,864	1,035,864	1,036,511	1,036,058		(195)		(195)		1,035,864				22,212	04/25/2035	1FM
94981Q-AV-0	WFMB 2005-AR16 7A1 CSTR PT SSNR AS 4.766% 10/25/35		06/01/2019	Paydown		109,774	110,392	100,181	100,576		9,762		9,762		110,338		(563)	(563)	2,287	10/25/2035	1FM
94982C-AG-3	WFMB 2004-DD 2A6 CSTR AS 5.016% 01/25/35		06/01/2019	Paydown		272,888	272,888	225,436	272,888		47,452		47,452		272,888				5,875	01/25/2035	1FM
94982N-AE-4	WFMB 2005-4 A5 PAC-11 AS 5.000% 04/25/35		06/01/2019	Paydown		80,663	80,663	71,712	73,982		6,681		6,681		80,663				1,695	04/25/2035	1FM
94982S-AD-5	WFMB 2005-17 1A1 PT SSNR AS 5.500% 01/25/36		06/01/2019	Paydown		337,883	338,822	64,638	65,358		272,705		272,705		338,062		(180)	(180)	7,514	01/25/2036	1FM
94982U-AA-6	WFMB 2005-AR5 1A1 CSTR PT AS 5.190% 04/25/35		06/03/2019	Paydown		239,660	239,660	228,371	228,257		11,403		11,403		239,660				4,904	04/25/2035	1FM
94982W-AL-8	WFMB 2005-9 1A11 SSNR NAS 5.500% 10/25/35		06/01/2019	Paydown		262,109	262,109	258,833	259,216		2,894		2,894		262,109				5,422	10/25/2035	1FM
949837-AF-5	WFMB 2007-10 1A6 PAC-11 SSNR AS 6.000% 07/25/37		06/01/2019	Paydown		818,459	945,878	753,703	783,409		140,354		140,354		923,763		(105,304)	(105,304)	24,281	07/25/2037	1FM
949837-AK-4	WFMB 2007-10 1A10 AD PAC-11 AS 5.900% 07/25/37		06/01/2019	Paydown		423,230	489,120	289,017	192,266		256,089		256,089		448,355		(25,125)	(25,125)	12,348	07/25/2037	1FM
949837-BE-7	WFMB 2007-10 1A29 SSNR NAS 6.000% 07/25/37		06/01/2019	Paydown		238,974	276,178	215,545	224,185		44,904		44,904		269,089		(30,115)	(30,115)	7,090	07/25/2037	1FM
949837-BK-3	WFMB 2007-10 1A34 SSNR NAS 6.000% 07/25/37		06/01/2019	Paydown		101,433	117,224	94,106	97,790		16,790		16,790		114,581		(13,148)	(13,148)	3,010	07/25/2037	1FM
94983B-AP-4	WFMB 2006-4 1A14 SEQ AS 5.750% 04/25/36		06/01/2019	Paydown		39,890	57,188	44,408	46,074		7,695		7,695		53,769		(13,879)	(13,879)	1,259	04/25/2036	1FM
94983B-AT-6	WFMB 2006-4 2A2 PT SSNR AS 5.500% 04/25/36		06/01/2019	Paydown		55,753	75,118	35,692	31,378		32,315		32,315		63,693		(7,940)	(7,940)	1,925	04/25/2036	1FM
94983K-AE-9	WFMB 2006-AR2 2A3 CSTR PT SSNR AS 4.954% 03/25/36		06/03/2019	Paydown		1,483	1,483	705	719		763		763		1,483				30	03/25/2036	1FM
94983P-AA-6	WFMB 2006-AR4 1A1 CSTR SSNR AS 5.221% 04/25/36		06/01/2019	Paydown		1,175	1,305	253	235		964		964		1,198		(23)	(23)	26	04/25/2036	1FM
94983Y-AH-2	WFMB 2006-AR10 4A1 CSTR PT SSNR AS 5.178% 07/25/36		06/01/2019	Paydown		788,782	792,381	372,322	105,865		683,399		683,399		789,284		(482)	(482)	17,154	07/25/2036	1FM
94984E-AT-9	WFMB 2006-10 A18 SEQ NAS 6.000% 08/25/36		06/01/2019	Paydown		42,256	48,860	20,901	12,146		31,708		31,708		43,854		(1,598)	(1,598)	1,054	08/25/2036	1FM
94984F-AR-0	WFMB 2006-11 A16 SSNR NAS 6.000% 09/25/36		06/01/2019	Paydown		56,516	145,491	76,630	76,418		26,682		26,682		103,100		(46,584)	(46,584)	3,161	09/25/2036	1FM
94984H-AC-9	WFMB 2006-12 A3 PAC-11 SSNR AS 6.000% 10/25/36		06/01/2019	Paydown		361,133	480,216	217,622	214,903		198,730		198,730		413,633		(52,500)	(52,500)	8,673	10/25/2036	1FM
94984J-AE-1	WFMB 2006-13 A5 SSNR NAS 6.000% 10/25/36		06/01/2019	Paydown		1,190,557	1,198,501	1,163,005	1,192,093		6,394		6,394		1,198,486		(7,930)	(7,930)	31,483	10/25/2036	3FM
94984J-AB-0	WFMB 2006-19 A2 SSNR AS 5.250% 12/26/36		06/01/2019	Paydown		90,420	90,420	86,940	86,999		3,421		3,421		90,420				2,324	12/26/2036	1FM
94984X-AB-6	WFMB 2007-2 1A2 SEQ AS 6.000% 03/25/37		06/01/2019	Paydown		17,130	18,383	10,392	10,854		7,010		7,010		17,864		(734)	(734)	458	03/25/2037	1FM
94984X-AD-2	WFMB 2007-2 1A4 SEQ AS 6.000% 03/25/37		06/01/2019	Paydown		14,163	15,198	8,531	8,553		5,853		5,853		14,766		(603)	(603)	378	03/25/2037	1FM
94984X-AM-2	WFMB 2007-2 1A12 SEQ AS 6.000% 03/25/37		06/01/2019	Paydown		21,610	23,190	13,140	13,724		8,814		8,814		22,538		(928)	(928)	577	03/25/2037	1FM
94985J-AB-6	WFMB 2007-7 A2 SSNR AS 6.000% 06/25/37		06/01/2019	Paydown		436,944	469,938	315,648	319,538		139,646		139,646		459,185		(22,241)	(22,241)	11,688	06/25/2037	1FM
94985J-BR-0	WFMB 2007-7 A40 SEQ AS 6.000% 06/25/37		06/01/2019	Paydown		296,603	319,000	145,725	142,742		163,727		163,727		306,469		(9,866)	(9,866)	7,934	06/25/2037	1FM
94985J-CA-6	WFMB 2007-7 A49 NAS 6.000% 06/25/37		06/03/2019	Paydown		272,239	292,796	148,640	145,820		136,494		136,494		282,313		(10,075)	(10,075)	7,282	06/25/2037	1FM
94985L-AD-7	WFMB 2007-13 A4 SSNR NAS 6.000% 09/25/37		06/03/2019	Paydown		163,555	193,427	129,848	134,545		49,646		49,646		184,191		(20,636)	(20,636)	4,204	09/25/2037	1FM
94985L-AF-2	WFMB 2007-13 A6 SSNR AS 6.000% 09/25/37		06/01/2019	Paydown		404,180	477,999	283,256	291,638		157,159		157,159		448,796		(44,617)	(44,617)	10,390	09/25/2037	1FM

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
9498SR-AP-7	WFMS 2007-4 A14 SEQ SSNR AS 6.000%		06/01/2019	Paydown		416,436	471,497	254,478	260,934		185,530		185,530		446,464		(30,028)	(30,028)	11,417	04/25/2037	1FM
9498ST-AE-8	WFMS 2007-3 1A5 EXCH NAS 6.000% 04/25/37		06/01/2019	Paydown		151,020	154,060	63,052	24,866		126,629		126,629		151,495		(476)	(476)	3,909	04/25/2037	1FM
9498SW-AP-6	WFMS 2007-11 A14 AD SEQ SSNR AS 6.000%		06/01/2019	Paydown		162,863	202,776	145,831	147,995		43,832		43,832		191,827		(28,964)	(28,964)	4,799	08/25/2037	1FM
9498SW-AQ-4	WFMS 2007-11 A15 Z SEQ SSNR AS 6.000%		06/01/2019	Paydown		730,425	909,430	677,047	693,011		173,213		173,213		866,225		(135,800)	(135,800)	21,524	08/25/2037	1FM
9498SW-AU-5	WFMS 2007-11 A19 SEQ SSNR AS 6.000%		06/01/2019	Paydown		20,478	25,497				20,478		20,478		20,478				604	08/25/2037	1FM
9498SW-BL-4	WFMS 2007-11 A35 SEQ SSNR AS 6.000%		06/01/2019	Paydown		327,118	407,285	291,802	298,500		87,042		87,042		385,543		(58,425)	(58,425)	9,639	08/25/2037	1FM
9498SW-DT-5	WFMS 2007-11 A90 EXCH SUP AD SSNR A 6.000%		06/01/2019	Paydown		1,525	1,899				1,525		1,525		1,525				45	08/25/2037	1FM
9498SW-DZ-1	WFMS 2007-8 1A3 SSNR NAS 6.000% 07/25/37		06/01/2019	Paydown		79,679	99,206		24,979		59,439		59,439		84,418		(4,738)	(4,738)	2,348	08/25/2037	1FM
9498SA-AC-2	WFMS 2007-8 1A3 SSNR NAS 6.000% 07/25/37		06/01/2019	Paydown		591,874	623,626	339,487	332,549		275,874		275,874		608,423		(16,549)	(16,549)	16,343	07/25/2037	1FM
95058X-AB-4	WEN 2015-1A A211 SEQ 4.080% 06/15/45		06/26/2019	Paydown		64,691,670	64,691,670	64,707,796	64,704,562		(12,892)		(12,892)		64,691,670				1,400,150	06/15/2045	2FE
95058X-AC-2	WEN 2015-1A A23 SEQ 4.497% 06/15/45		06/15/2019	Paydown		87,500	87,500	84,229	84,229		3,271		3,271		87,500				1,967	06/15/2045	2FE
95058X-AE-8	WEN 2018-1A A211 SEQ 3.884% 03/15/48		06/15/2019	Paydown		77,500	77,500	77,487	77,488		12		12		77,500				1,505	03/15/2048	2FE
95645*-AA-9	WEST VILLAGES IMPROVEMENT DIST SR-UNSEC 5.400% 12/30/33		06/30/2019	Redemption	100.0000	581,997	581,997	581,997	581,997						581,997				15,714	12/30/2033	3FE
96033D-AA-8	WESTR 2017-1A A SEQ 3.050% 12/20/30		06/01/2019	Paydown		426,157	426,157	425,641	425,587		571		571		426,157				5,316	12/20/2030	1FE
96033D-AB-6	WESTR 2017-1A B SUB 4.050% 12/20/30		06/01/2019	Paydown		319,618	319,618	319,143	319,077		541		541		319,618				5,294	12/20/2030	2FE
96121*-AA-6	WESTPAC REALTY FUND II-LLC 1-30-SR-SEC 6.630% 09/05/19		06/05/2019	Redemption	100.0000	143,803	143,803	143,803	143,803						143,803				3,975	09/05/2019	1
96121*-AB-4	WESTPAC REALTY FUND II-LLC SR-SEC 7.770% 05/05/20		06/05/2019	Redemption	100.0000	141,024	141,024	141,024	141,024						141,024				4,570	05/05/2020	1
96121*-AC-2	WESTPAC REALTY FUND II-LLC SR-SEC 7.780% 05/05/20		06/05/2019	Redemption	100.0000	143,385	143,385	143,385	143,385						143,385				4,652	05/05/2020	1
96121*-AD-0	WESTPAC REALTY FUND II-LLC SR-SEC 7.490% 12/05/20		06/05/2019	Redemption	100.0000	155,941	155,941	155,941	155,941						155,941				4,871	12/05/2020	1
96121*-AE-8	WESTPAC REALTY FUND II-LLC SR-SEC 8.140% 12/05/20		06/05/2019	Redemption	100.0000	204,005	204,005	204,005	204,005						204,005				6,925	12/05/2020	1
96121*-AF-5	WESTPAC REALTY FUND II-LLC SR-SEC 7.770% 08/05/21		06/05/2019	Redemption	100.0000	155,885	155,885	155,885	155,885						155,885				5,051	08/05/2021	1
96228*-AA-8	TALISKER GROUND LEASE-BKD PT T 4.700% 05/15/47		06/15/2019	Redemption	100.0000	48,587	48,587	48,587	48,587						48,587				952	05/15/2047	1FE
96928*-BS-5	WELLS FARGO BK NII-NAT ASSN SR-SEC 6.410% 07/15/29		06/15/2019	Redemption	100.0000	42,917	42,917	42,917	42,917						42,917				1,147	07/15/2029	2
96928*-BT-3	WELLS FARGO BK-N.I.A. SR-SEC 6.690% 12/15/32		06/15/2019	Redemption	100.0000	29,124	29,124	29,124	29,124						29,124				812	12/15/2032	2
96928*-BU-0	WELLS FARGO BK NII-NAT ASSN SR-SEC 6.560% 12/15/30		06/15/2019	Redemption	100.0000	45,331	45,331	45,331	45,331						45,331				1,240	12/15/2030	2
96928*-CE-5	WILLIAM BLAIR & CO PT TRUST SE SR-SEC 6.720% 07/15/34		06/15/2019	Redemption	100.0000	28,202	28,202	28,202	28,202						28,202				790	07/15/2034	2
96928*-CT-2	HAMMES CO. CAPTL HLDINGS-ST. L SR-SEC 6.610% 01/15/35		06/15/2019	Redemption	100.0000	238,422	238,422	238,422	238,422						238,422				6,571	01/15/2035	2
96928*-CW-5	BLAI CTL PT-SER 2010-B-SPECTRU SR-SEC 6.600% 06/15/37		06/15/2019	Redemption	100.0000	133,821	133,821	135,133	134,782		(961)		(961)		133,821				3,683	06/15/2037	1
96928*-FB-8	WILLIAM BLAIR CTL TRUST-FEDEX 2012-SR-SEC 3.900% 07/15/30		06/15/2019	Redemption	100.0000	248,447	248,447	250,094	249,556		(1,109)		(1,109)		248,447				4,039	07/15/2030	2
96928*-FC-6	WILLIAM BLAIR PT TRUST-FED EX- SR-SEC 3.950% 09/30/27		06/15/2019	Redemption	100.0000	642,339	642,339	648,755	646,458		(4,119)		(4,119)		642,339				10,576	09/15/2027	2
97314@-AA-3	WIND ENERGY TRANSMISSION TEXAS A-SR-SEC 3.670% 12/18/34		06/30/2019	Redemption	100.0000	194,444	194,444	194,444	194,444						194,444				3,568	12/18/2034	1
97806*-AD-4	WOLVERINE POWER SUPPLY COOP-IN 10A-SR-SEC 5.040% 05/31/40		05/30/2019	Redemption	100.0000	666,667	666,667	666,667	666,667						666,667				16,800	05/30/2040	1

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 4

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

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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 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 and Admini- strative Symbol /Market Indicator (a)
97806*-AF-9	WOLVERINE POWER SUPPLY COOP-IN A-SR-SEC 4.210% 12/02/43		06/02/2019	Redemption 100.0000		2,500,000	2,500,000	2,500,000	2,500,000						2,500,000				52,625	12/02/2043	1.....
98984*-AA-2	ZURICH LEASE-BKD PT TRUST-ZURI SR-SEC 4.918% 11/15/37		06/15/2019	Redemption 100.0000		132,508	132,508	133,171	133,046		(539)		(539)		132,508				2,717	11/15/2037	1.....
68967#-AJ-2	TRITON CONTAINER INTL LTD A-2-SR-SEC 5.150% 06/30/23		06/30/2019	Redemption 100.0000		9,000,000	9,000,000	9,000,000	9,000,000						9,000,000				231,750	06/30/2023	2.....
Z00064-98-2	JGW IX LLC SR-UNSEC 0.000% 05/15/34		06/20/2019	Redemption 100.0000		1,287,882	1,287,882	1,287,882							1,287,882				1,017	05/15/2034	1Z.....
Z00064-98-2	JGW IX LLC SR-UNSEC 0.000% 05/15/34		05/31/2019	Tax Free Exchange Redemption 100.0000		38,369,022	38,369,022	38,369,022							38,369,022				265,508	05/15/2034	1Z.....
Z00066-12-8	JGW IX LLC SR-UNSEC 4.500% 08/15/43		06/20/2019	Redemption 100.0000		4,027	4,027	4,027							4,027				3	08/15/2043	1Z.....
Z00066-12-8	JGW IX LLC SR-UNSEC 4.500% 08/15/43		06/15/2019	Redemption 100.0000		134,370	134,370	134,370							134,370				1,264	08/15/2043	1Z.....
Z00067-22-5	JGW IX LLC SR-UNSEC 4.500% 09/15/38		06/15/2019	Redemption 100.0000		113,355	113,355	113,355							113,355				512	09/15/2038	1Z.....
109286-AA-2	BRIGHTON BEACH POWER L.P. SR-SEC 6.924% 03/31/24		06/30/2019	Redemption 100.0000		1,875,653	1,875,653	1,551,944	1,799,196				(247,252)		1,875,653	323,709		323,709	64,102	03/30/2024	2.....
136055-AA-8	CANADIAN IMPERIAL BANK PT CERTS/CTL 7.262% 04/10/32	A	04/12/2019	Redemption 100.0000		651,044	651,044	651,044	651,044						651,044				23,639	04/10/2032	1FE.....
15135U-AH-2	CENOVUS ENERGY INC SR UNSEC 4.450% 09/15/42	A	06/19/2019	TENDER SALE		45,660,500	50,000,000	49,891,000	49,905,692		1,054		1,054		49,906,745	(4,246,245)	(4,246,245)		1,693,472	09/15/2042	2.....
15135U-AK-5	CENOVUS ENERGY INC SR UNSEC 5.200% 09/15/43	A	06/19/2019	TENDER SALE		19,371,000	20,000,000	19,920,400	19,928,411		671		671		19,929,083	(558,083)	(558,083)		791,556	09/15/2043	2FE.....
218493-AA-2	CORDELIO AMALCO LP I A-SR-UNSEC 4.087% 09/30/34		04/02/2019	Redemption 100.0000		1,452,830	1,452,830	1,445,515	1,419,415					26,100	1,452,830	7,315		7,315	18,052	09/30/2034	2FE.....
218493-AB-0	CORDELIO AMALCO LP I B-SR-UNSEC 4.087% 06/30/34		06/30/2019	Redemption 100.0000		1,377,532	1,377,532	1,345,677	1,321,379					24,297	1,377,532	31,855		31,855	31,278	06/30/2034	2FE.....
221025-AB-5	CORY COGENERATION FDG CORP B-SR-SEC 7.601% 06/30/26		06/30/2019	Redemption 100.0000		734,253	734,253	622,840	704,322				(81,482)		734,253	111,413		111,413	27,625	06/30/2026	2FE.....
292505-AH-7	ENCANA CORP CO.GUARNT 6.500% 05/15/19	A	05/15/2019	Maturity		4,000,000	4,000,000	3,992,880	3,999,656		344		344		4,000,000				130,000	05/15/2019	2FE.....
448055-AB-9	HUSKY ENERGY INC SR UNSEC 6.150% 06/15/19	A	06/15/2019	Maturity		30,000,000	30,000,000	29,765,800	29,988,596		11,404		11,404		30,000,000				922,500	06/15/2019	2FE.....
67077M-AA-6	NUTRIEN LTD SR UNSEC 6.500% 05/15/19	A	05/15/2019	Maturity		7,075,000	7,075,000	7,338,119	7,164,656		(89,656)		(89,656)		7,075,000				229,938	05/15/2019	2FE.....
740212-AE-5	PRECISION DRILLING CORP CO.GUARNT 6.500% 12/15/21	A	04/16/2019	Call 100.0000 Redemption 100.0000		1,173,194	1,173,194	1,158,167	1,166,997		472		472		1,167,469		5,725	5,725	6,944	12/15/2021	3FE.....
740212-AE-5	PRECISION DRILLING CORP CO.GUARNT 6.500% 12/15/21	A	05/20/2019	Redemption 100.0000		782,129	782,129	772,111	777,998		4,132		4,132		782,129				7,982	12/15/2021	3FE.....
C0461#-AA-3	AURORA SOLAR LTD PTNSP SR-UNSEC 4.113% 12/31/33		06/30/2019	Redemption 100.0000		1,108,916	1,108,916	1,101,472	1,063,713					37,759	1,108,916	7,444		7,444	22,805	06/30/2033	2FE.....
C4111#-AB-9	GREAT LAKES POWER LTD SR 6.600% 06/16/23		06/16/2019	Redemption 100.0000		564,286	564,286	557,532	554,387					3,145	564,286	6,755		6,755	18,621	06/16/2023	1PL.....
00203Q-AD-9	AP MOLLER-MAERSK A/S SR UNSEC 3.875% 09/28/25	D	06/11/2019	Various Redemption 100.0000		3,610,563	3,600,000	3,563,784	3,574,068		1,451		1,451		3,575,519		35,044	35,044	96,364	09/28/2025	2FE.....
02315Q-AA-6	AMBAC LSNI LLC SR SEC 7.330% 02/12/23	D	04/02/2019	Redemption 100.0000		4	4	4	4						4					02/12/2023	6*.....
03702Y-AC-4	AHR 2004 HY1A C SUB CDO-CRE CDO 5.396% 06/20/41	D	05/01/2019	Paydown		177,475	177,475				177,475		177,475		177,475				3,970	06/20/2041	5FE.....
12805P-AE-6	CAI 2018-1A A SEQ 3.960% 02/25/43	D	06/25/2019	Paydown		212,500	212,500	212,434	212,439		.61		.61		212,500				3,506	02/25/2043	1FE.....
151191-AT-0	CELULOSA ARAUCO CONSTITU SR UNSEC 5.000% 01/21/21	D	04/30/2019	TENDER SALE Redemption 100.0000		5,179,950	5,000,000	4,956,362	4,989,029		1,681		1,681		4,990,709		189,241	189,241	193,750	01/21/2021	2FE.....
20039F-AA-7	COMETA ENERGIA SA SR SEC 6.375% 04/24/35	D	04/24/2019	Redemption 100.0000		275,100	275,100	269,400	269,513		5,587		5,587		275,100				8,769	04/24/2035	2FE.....
22303Q-AL-4	COVIDIEN INTL FINANCE SA CO.GUARNT 4.200% 06/15/20	D	04/08/2019	Call 101.9270		35,674,450	35,000,000	34,958,000	34,992,650		1,319		1,319		34,993,969		6,031	6,031	1,127,700	06/15/2020	1FE.....
226081-AC-1	CREST 2002 1A C SEQ CDO-CRE CDO 7.000% 05/27/36	D	05/27/2019	Paydown			(192,459)													05/27/2036	6*.....
22608S-AD-0	CREST 2003 1A D2 MEZ CDO-CRE CDO 7.332% 05/28/38	D	05/28/2019	Paydown		52,422	52,422				52,422		52,422		52,422				3,819	05/28/2038	6FE.....

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

**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 and Admini- strative Symbol /Market Indicator (a)
283837-AB-8	EL PUERTO DE LIVERPOOL CO.GUARNT 3.875% 10/06/26	D	05/21/2019	HSBC SECURITIES USA INC		2,548,000	2,600,000	2,570,906	2,576,458		1,016		1,016		2,577,474		(29,474)	(29,474)	63,528	10/06/2026	2FE
29081Y-AD-8	EMBRAER OVERSEAS LTD CO.GUARNT 5.696% 09/16/23	D	05/21/2019	CITIGROUP GLOBAL MARKETS		2,687,500	2,500,000	2,445,573	2,470,390		2,149		2,149		2,472,539		214,961	214,961	97,702	09/16/2023	2FE
33938E-AQ-0	FLEX LTD SR UNSEC 4.625% 02/15/20	D	06/06/2019	TENDER SALE		20,260,400	20,000,000	19,895,000	19,979,449		7,738		7,738		19,987,186		273,214	273,214	747,708	02/15/2020	2FE
36160B-AA-3	ENGIE SA SR UNSEC 2.875% 10/10/22	D	06/06/2019	THE TORONTO-DOMINION BANK		16,719,815	16,500,000	16,415,935	16,465,318		3,722		3,722		16,469,040		250,775	250,775	313,655	10/10/2022	1FE
38060A-AA-2	GOLD FIELDS OROGEN HOLD CO.GUARNT 4.875% 10/07/20	D	05/23/2019	TENDER SALE		842,490	851,000	848,873	850,037		205		205		850,243		(7,753)	(7,753)	26,044	10/07/2020	3FE
40068N-AA-4	GUANAY FINANCE LTD SR SEC 6.000% 12/15/20	D	06/15/2019	Redemption 100.0000		1,139,915	1,139,915	1,144,060	1,141,023		(1,109)		(1,109)		1,139,915				34,197	12/15/2020	3FE
42771A-AA-4	HERO 2017-3A A1 SEQ 3.190% 09/20/48	D	06/20/2019	Paydown		304,691	304,691	304,588	304,591		100		100		304,691				5,031	09/20/2048	1FE
44962L-AF-4	IHS MARKIT LTD SR UNSEC 4.750% 08/01/28	D	04/15/2019	BARCLAYS BANK PLC		14,861,578	14,200,000	14,147,176	14,149,131		1,278		1,278		14,150,409		711,169	711,169	494,633	08/01/2028	2FE
456837-AM-5	ING GROEP NV SR UNSEC 4.550% 10/02/28	D	04/11/2019	Various		14,546,734	13,850,000	13,875,133	3,837,096		185		185		13,875,581		671,153	671,153	337,844	10/02/2028	1FE
470170-AB-7	JAMAICA MERCHANT VOUCHER RECEI SR 5.875% 07/08/22	D	04/05/2019	Paydown		828,535	828,535	828,535	828,535						828,535				24,338	07/08/2022	3FE
478375-AE-8	JOHNSON CONTROLS INTL PL SR UNSEC 4.250% 03/01/21	D	05/17/2019	TENDER SALE		34,378,328	34,400,000	36,283,159	35,404,260		(168,575)		(168,575)		35,235,685		(857,357)	(857,357)	1,039,644	03/01/2021	2FE
478375-AF-5	JOHNSON CONTROLS INTL PL SR UNSEC 3.750% 12/01/21	D	05/17/2019	TENDER SALE		23,168,359	23,253,000	24,025,000	23,706,853		(61,357)		(61,357)		23,645,496		(477,137)	(477,137)	402,083	12/01/2021	2FE
49835L-AB-7	KLABIN FINANCE SA CO.GUARNT 4.875% 09/19/27	D	05/21/2019	BANK OF AMERICA		2,454,375	2,500,000	2,485,350	2,486,861		475		475		2,487,336		(32,961)	(32,961)	82,604	09/19/2027	3FE
53359P-AA-8	LINCOLN FINANCE LTD SR SEC 7.375% 04/15/21	D	04/15/2019	Call 101.8438		17,313,438	17,000,000	17,283,750	17,097,843		(20,935)		(20,935)		17,076,908		(76,908)	(76,908)	940,313	04/15/2021	3FE
53566T-AA-9	LINE ONE PERU METRO EXPANSION SER 2019-1-SR- UNSEC 4.737% 01/10/33	D	04/10/2019	Redemption 100.0000		266,753	266,753	266,753							266,753				1,018	01/10/2033	2FE
55283L-AA-3	MAPSL 2019-1A A SEQ 4.458% 03/15/44	D	06/15/2019	Paydown		194,366	194,366	194,362			3		3		194,366				1,310	03/15/2044	1FE
55382F-AA-6	MT-2002 STATUTORY TRUST-VNU SR-SEC 7.740% 06/19/23	D	06/19/2019	Redemption 100.0000		1,805,445	1,805,445	1,033,124	1,406,172		399,273		399,273		1,805,445				69,871	06/19/2023	3
561233-AC-1	MALLINCKRODT FIN/SB CO.GUARNT 5.500% 04/15/25	D	06/14/2019	DEUTSCHE BANK SECURITIES INCOR		2,640,000	4,000,000	2,760,000	2,760,000						2,760,000		(120,000)	(120,000)	148,500	04/15/2025	4FE
561234-AE-5	MALLINCKRODT INTL FIN CO.GUARNT 4.750% 04/15/23	D	05/22/2019	CREDIT SUISSE SECURITIES US LL		11,532,031	18,125,000	12,143,750	12,143,750						12,143,750		(611,719)	(611,719)	523,737	04/15/2023	4FE
56564R-AA-8	MAPSL 2018-1A A SEQ 4.212% 05/15/43	D	06/15/2019	Paydown		201,600	201,600	201,593			7		7		201,600				3,538	05/15/2043	1FE
56564R-AB-6	MAPSL 2018-1A B SUB 5.193% 05/15/43	D	06/15/2019	Paydown		124,800	124,800	124,798			3		3		124,800				2,700	05/15/2043	2FE
62983P-AB-1	NAKILAT INC SECURED 6.267% 12/31/33	D	06/30/2019	Redemption 100.0000		162,400	162,400	162,400	162,400						162,400				5,089	12/31/2033	1FE
67576G-AC-1	ODBROHT OFFSHRE DRLL FIN SR SEC 6.720% 12/01/22	D	06/01/2019	Redemption 100.0000		165,684	165,684	142,586	145,756		19,928		19,928		165,684				5,567	12/01/2022	5FE
71654Q-AW-2	PETROLEOS MEXICANOS CO.GUARNT 6.000% 03/05/20	D	06/06/2019	GOLDMAN SACHS & COMPANY		3,241,439	3,181,000	3,175,968	3,180,222		284		284		3,180,506		60,933	60,933	145,796	03/05/2020	2FE
71654Q-AX-0	PETROLEOS MEXICANOS CO.GUARNT 5.500% 01/21/21	D	06/06/2019	Various		14,204,900	13,900,000	13,860,697	13,890,633		1,921		1,921		13,892,553		312,347	312,347	677,432	01/21/2021	2FE
71654Q-BB-7	PETROLEOS MEXICANOS CO.GUARNT 4.875% 01/24/22	D	04/23/2019	BARCLAYS BANK PLC		7,711,894	7,645,000	7,581,831	7,621,246		2,280		2,280		7,623,526		88,368	88,368	280,556	01/24/2022	2FE
71654Q-BV-3	PETROLEOS MEXICANOS CO.GUARNT 4.250% 01/15/25	D	06/06/2019	BNP PARIBAS		2,756,250	2,940,000	2,924,866	2,929,133		704		704		2,929,837		(173,587)	(173,587)	112,802	01/15/2025	2FE
71654Q-CG-5	PETROLEOS MEXICANOS CO.GUARNT 6.500% 03/13/27	D	06/06/2019	PETRO CO TRIN/TOBAGO LTD SR UNSEC 6.000% 05/08/22		8,432,875	8,450,000	8,889,422	8,859,735		(17,425)		(17,425)		8,842,310		(409,435)	(409,435)	407,360	03/13/2027	2FE
71657Y-AA-0	RENEW 2018-1 A SEQ 3.950% 09/20/53	D	05/08/2019	Various		1,160,833	1,160,833	1,156,915	1,159,295		1,538		1,538		1,160,833				34,825	05/08/2022	3FE
75973F-AA-9	RENEW 2017-1A A SEQ 3.670% 09/20/52	D	06/20/2019	Paydown		1,570,485	1,570,485	1,569,890	1,569,894		591		591		1,570,485				32,145	09/20/2053	1FE
75973L-AA-6	RENEW 2017-1A A SEQ 3.670% 09/20/52	D	06/20/2019	Paydown		146,292	146,292	146,253	146,552		(260)		(260)		146,292				2,790	09/20/2052	1FE
784309-AA-4	SUETS 2017-1 A SEQ 3.967% 08/15/42	D	06/15/2019	Paydown		83,333	83,333	83,333	83,333						83,333				1,377	08/15/2042	1FE
806261-AM-5	SCHAEFFLER FINANCE BV SR SEC 4.750% 05/15/23	D	05/15/2019	Call 101.1880		26,916,008	26,600,000	26,625,000	26,608,939		(2,316)		(2,316)		26,606,624		(6,624)	(6,624)	1,263,633	05/15/2023	2FE

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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-ign	Disposal Date	Name of Purchaser	Number of Shares of Stock	Consid-eration	Par Value	Actual Cost	Prior Year Book/ Adjusted Carrying Value	Unrealized Valuation Increase/ (Decrease)	Current Year's (Amor-tization)/ Accretion	Current Year's Other Than Temporary Impairment Recogn-ized	Total Change in Book/ Adjusted Carrying Value (11 + 12 - 13)	Total Foreign Exchange Change in Book /Adjusted Carrying Value	Book/ Adjusted Carrying Value at Disposal Date	Foreign Exchange Gain (Loss) on Disposal	Realized Gain (Loss) on Disposal	Total Gain (Loss) on Disposal	Bond Interest/ Stock Dividends Received During Year	Stated Con-tractual Maturity Date	NAIC Desig-nation and Admini-strative Symbol /Market Indicator (a)
..80627D-AA-4	IHO VERWALTUNGS GMBH SR SEC 4.125% 09/15/21	D.....	06/05/2019	Call 102.0630 .....		3,317,048	3,250,000	3,250,000	3,250,000						3,250,000				134,079	09/15/2021	3FE
..80627D-AB-2	IHO VERWALTUNGS GMBH SR SEC 4.500% 09/15/23	D.....	06/06/2019	Call 102.7025 .....		15,867,538	15,450,000	15,038,500	15,070,430		30,899		30,899		15,101,329		348,671	348,671	805,720	09/15/2023	3FE
..846502-AA-0	SPAEM 2015-1A A SEQ 4.000% 08/01/21	D.....	05/01/2019	Paydown .....		1,869,189	1,869,189	1,869,189	1,869,189						1,869,189				37,384	08/01/2021	1FE
..85511X-AC-4	STAR ENERGY GEOTHERMAL SR SEC 6.750%	D.....	04/24/2019	Redemption 100.0000 .....		250,000	250,000	250,000	250,000						250,000				8,438	04/24/2033	3FE
..85572R-AA-7	STARR 2018-1 A SEQ 4.089% 05/15/43	C.....	06/15/2019	Paydown .....		150,444	150,444	149,054	149,151		1,293		1,293		150,444				2,563	05/15/2043	1FE
..85573L-AA-9	STARR 2019-1 A SEQ 4.089% 03/15/44	D.....	06/15/2019	Paydown .....		142,857	142,857	142,850			6		6		142,857				600	03/15/2044	1FE
..85573L-AB-7	STARR 2019-1 B SUB 5.095% 03/15/44	D.....	06/15/2019	Paydown .....		58,036	58,036	58,034			1		1		58,036				304	03/15/2044	2FE
..87248D-AC-4	TIA 2016 1A SUB SUB EXE CDO-CF-CLO 0.000%	D.....	04/20/2019	Capital Distribution .....		103,096		103,096	103,096						103,096					07/20/2031	6*
..87271Q-AC-5	TIA 2017 1A SUB SUB EXE CDO-CF-CLO 0.000%	D.....	04/20/2019	Capital Distribution .....		637,842		637,842	637,842						637,842					04/20/2029	6*
..87271T-AC-9	TIA 2017 2A SUB SUB EXE CDO-CF-CLO 0.000%	D.....	04/16/2019	Capital Distribution .....		7,716		7,716	7,716						7,716					01/16/2031	6*
..88315F-AE-1	TMCL 2017-2A A SEQ 3.520% 06/20/42	D.....	06/20/2019	Paydown .....		249,288	249,288	249,244	249,245		43		43		249,288				3,659	06/20/2042	1FE
..88606W-AA-0	TBOLT 2017-A A STEP SEQ 4.212% 05/17/32	D.....	06/15/2019	Paydown .....		580,426	580,426	580,401	580,404		21		21		580,426				11,656	05/17/2032	1FE
..88606W-AC-6	TBOLT 2017-A C SUB 4.500% 05/17/32	D.....	06/15/2019	Paydown .....		151,904	151,904	138,185	139,487		12,417		12,417		151,904				3,117	05/17/2032	3FE
..898324-AA-6	TRUST F/1401 SR UNSEC 5.250% 12/15/24	D.....	04/08/2019	SANTANDER SECURITIES INC .....		5,118,300	4,950,000	4,937,724	4,942,239		306		306		4,942,545		175,755	175,755	83,016	12/15/2024	2FE
..900150-AB-9	TURKIYE HALK BANKASI AS SR UNSEC 3.875%	D.....	06/27/2019	CITIGROUP GLOBAL MARKETS INC .....		13,011,094	13,275,000	12,985,828	13,222,163		23,568		23,568		13,245,731		(234,637)	(234,637)	461,948	02/05/2020	4FE
..90016A-AA-8	TURK SISE VE CAM FABRIKA CO.GUARNT 4.250%	D.....	04/01/2019	TENDER SALE .....		19,350,530	19,949,000	19,145,079	19,755,540		34,342		34,342		19,789,882		(439,352)	(439,352)	334,423	05/09/2020	3FE
..92769X-AJ-4	VIRGIN MEDIA SECURED FIN SR SEC 5.500%	D.....	05/20/2019	Call 102.7500 .....		2,055,000	2,000,000	2,010,000	2,003,842		(693)		(693)		2,003,149		(3,149)	(3,149)	147,889	01/15/2025	3FE
..92857W-AV-2	VODAFONE GROUP PLC SR UNSEC 4.375% 03/16/21	D.....	06/20/2019	Call 102.7500 .....		2,055,000	2,000,000	2,010,000	2,003,842		(693)		(693)		2,003,149		(3,149)	(3,149)	147,889	01/15/2025	3FE
..G0566*-AA-7	ARQIVA PP FINANCING PLC 2-SR-SEC 4.420%	D.....	06/30/2019	TENDER SALE .....		10,389,200	10,000,000	9,928,800	9,981,511		3,757		3,757		9,985,268		403,932	403,932	332,986	03/16/2021	2FE
..G0566*-AB-5	ARQIVA PP FINANCING PLC 2-SR-SEC 4.101%	D.....	06/30/2019	Redemption 100.0000 .....		700,000	700,000	700,000	700,000						700,000				15,470	06/30/2025	2FE
..G2854#-AA-0	ARQIVA PP FINANCING PLC 2-SR-SEC 4.101%	B.....	06/30/2019	Redemption 100.0000 .....		1,244,555	1,244,555	1,495,727	1,249,108					246,619	1,244,555	(251,171)		(251,171)	25,520	06/30/2025	2FE
..G93620-AA-3	DUDGEON OFFSHORE WIND LTD SR-UNSEC 2.740%	B.....	06/18/2019	Redemption 100.0000 .....		533,779	533,779	536,007	541,705					(5,698)	533,779	(2,228)		(2,228)	7,225	06/15/2032	1FE
..G93620-AA-3	VINA 2008 1X D MEZ CDO-CF-CLO-HY 3.638%	D.....	04/15/2019	WORTHLESS SECURITIES REMOVED .....		5,119,698														10/14/2019	6*
..N9146#-AB-3	VAN ORD FINANCE B.V. F-SR-UNSEC 5.410%	D.....	04/01/2019	Call 105.3167 .....		18,430,417	17,500,000	17,500,000	17,500,000						17,500,000				1,353,825	04/20/2021	2
..P4000@-AA-1	HALLETT HILL NO. 2 PTY LTD SR-SEC 3.780%	D.....	06/28/2019	Redemption 100.0000 .....		371,474	371,474	371,474	366,682		4,792		4,792		371,474				7,539	12/28/2037	1FE
..Q4436#-AA-2	HALLETT HILL NO. 2 PTY LTD SR-SEC 4.876%	D.....	06/27/2019	Redemption 100.0000 .....		120,420	120,420	120,420	120,420						120,420				2,276	06/27/2027	2FE
..Q4436#-AB-0	HALLETT HILL NO. 2 PTY LTD SR-SEC 4.876%	B.....	06/27/2019	Redemption 100.0000 .....		61,882	61,882	67,202	62,199					5,003	61,882	(5,320)		(5,320)	1,517	06/27/2027	2FE
..Q4557*-AB-7	HEALTHSCOPE FINANCE PTY LTD HEALTHSCOPE FINANCE PTY LIMITE 4.050% 05/23/26	D.....	06/06/2019	Call 109.8512 .....		48,334,548	44,000,000	43,520,220	43,558,833		21,827		21,827		43,580,660		419,340	419,340	5,289,898	05/23/2026	2FE
..Q7677@-AA-5	PLENARY HEALTH FINANCE CO PTY SERIES A 4.185% 07/02/40	B.....	04/01/2019	Redemption 100.0000 .....		698,365	698,365	752,350	691,346					61,004	698,365	(53,985)		(53,985)	7,083	07/01/2040	1FE
..Q8852#-AA-8	TAUNATA PLANTATIONS LMT PFD L CONVERTIBLE NOTE 6.720% 12/24/34	B.....	06/28/2019	Redemption 100.0000 .....		2,219,066	2,219,066	1,514,564	1,456,105		788,863		788,863		2,219,066		(79,253)	(79,253)	34,000	12/24/2034	6*
..ZD4108-31-6	ATLAS 2014-1 SR-SEC 4.875% 12/15/39	D.....	06/15/2019	Paydown .....		989,042	989,042	989,042	989,042						989,042				18,575	12/15/2039	1FE
3899999	Subtotal - Bonds - Industrial and Miscellaneous (Unaffiliated)					3,577,441,709	3,595,330,588	3,465,581,933	3,443,539,586	83,208	39,781,714	44,423,302	(4,558,380)	124,276	3,524,113,804	99,604	33,662,034	33,761,638	108,348,585	XXX	XXX
..464287-24-2	LID ISHARES IBOX INVESTMENT GRA		05/22/2019	Various	0.000	575,764,727		550,145,302	395,298,603	4,833,805			4,833,805		550,145,302		25,619,425	25,619,425	6,860,089		2
..464288-51-3	HYG ISHARES IBOX HIGH YLD CORP		05/22/2019	Various	0.000	125,373,917		124,992,631	118,009,583	6,983,048			6,983,048		124,992,631		381,287	381,287	2,205,152		4
..67092P-11-0	NUSA NUVEEN ENHANCED YIELD 1-5 YE		06/04/2019	VIRTU FINANCIAL	0.000	4,826,150		4,885,725	4,741,991	143,735			143,735		4,885,725		(59,575)	(59,575)	45,221		1

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
8199999.	Subtotal - Bonds - SVO Identified Funds					705,964,794		680,023,658	518,050,177	11,960,588			11,960,588		680,023,658		25,941,137	25,941,137	9,110,462	XXX	XXX
..00100U-AG-7	ADS WASTE HOLDINGS ADS WASTE HOLDINGS 11/10/23		04/23/2019	BARCLAYS BANK PLC		16,810,856	16,789,869	16,757,248	16,753,124		2,365		2,365		16,755,489		55,367	55,367	167,491	11/10/2023	3FE
..001021-AK-0	AE EUROPE HLDGS INC SR-UNSEC 10/21/23		06/12/2019	Redemption 100.0000		154,615	154,615	153,069	153,439		1,177		1,177		154,615				3,158	10/21/2023	4
..00164D-AP-8	AMC ENTERTAINMENT HOLDINGS AMC ENTERTAINMENT HOLDINGS 12/15/23		04/22/2019	Redemption 100.0000		3,993,500	3,993,500	4,010,153	4,006,374		(12,874)		(12,874)		3,993,500				60,351	12/15/2023	3FE
..00167J-AB-3	AM CONSERVATION GROUP INC SR-UNSEC 10/31/22		06/05/2019	Redemption 100.0000		58,175	58,175	57,681	57,825		350		350		58,175				1,178	10/31/2022	3PL
..00168N-AA-5	AMC BUYER LLC SR-UNSEC 11/01/24		06/28/2019	Redemption 100.0000		29,212	29,212	28,920	28,925		287		287		29,212				949	11/01/2024	4Z
..00173@-AA-7	AMC BUYER LLC SR-UNSEC 11/01/24		06/28/2019	Redemption 100.0000		10,506	10,506	10,506							10,506				261	11/01/2024	4Z
..00173@-AB-5	AMC BUYER LLC SR-UNSEC 11/01/23		06/04/2019	Redemption 100.0000		715,262	715,262	715,262	715,262						715,262				16,242	11/01/2023	4Z
..00186U-AB-5	A PLACE FOR MOM-INC. SR-UNSEC 08/10/24		06/28/2019	Redemption 100.0000		30,009	30,009	29,882	29,901		107		107		30,009				609	08/10/2024	5
..00190N-AJ-8	PODS LLC PODS LLC 12/06/24		06/28/2019	Redemption 100.0000		18,019	18,019	17,899	17,901		117		117		18,019				461	12/06/2024	4FE
..00248*-AB-8	AWP INC SR-UNSEC 06/07/21		05/03/2019	Redemption 100.0000		203,912	203,912	201,873	202,813		1,098		1,098		203,912				7,393	06/07/2021	4
..00400Y-AH-4	ACADEMY LTD ACADEMY LTD 07/01/22		06/28/2019	Redemption 100.0000		145,903	145,903	145,918	145,911		(8)		(8)		145,903				256	07/01/2022	5FE
..00766W-AT-0	AECOM TECHNOLOGY AECOM TECHNOLOGY 03/13/25		06/28/2019	Redemption 100.0000		13,313	13,313	13,313	13,313						13,313				254	03/13/2025	3FE
..00866@-AB-7	AHEAD LLC SR-UNSEC 05/08/24		05/08/2019	Redemption 100.0000		10,646,016	10,646,016	10,592,785	10,597,399		48,617		48,617		10,646,016				276,288	05/08/2024	4
..01310T-AU-3	ALBERTSON'S LLC ALBERTSON'S LLC 06/22/23		06/28/2019	Redemption 100.0000		7,600	7,600	7,503	7,524		76		76		7,600				219	06/22/2023	3FE
..01642P-AW-6	ALIXPARTNERS LLP ALIXPARTNERS LLP 04/04/24		06/28/2019	Redemption 100.0000		52,614	52,614	52,734	52,705		(91)		(91)		52,614				622	04/04/2024	4FE
..01973J-AH-2	ALLISON TRANSMISSION INC ALLISON TRANSMISSION INC 09/23/22		04/05/2019	Redemption 100.0000		(42,095)	(42,095)	(42,253)	(17,497)		(24,597)		(24,597)		(42,095)				133,641	09/23/2022	3FE
..01973J-AH-2	ALLISON TRANSMISSION INC ALLISON TRANSMISSION INC 09/23/22		04/03/2019	Taxable Exchange		16,927,272	16,837,863	16,901,005	16,869,727		21,048		21,048		16,890,774		36,498	36,498	173,120	09/23/2022	3FE
..02079#-AB-4	ALPHA PACKAGING HLDGS INC SR-UNSEC 05/12/20		06/28/2019	Redemption 100.0000		12,375	12,375	12,375	12,375						12,375				397	05/12/2020	5
..02079#-AD-0	ALPHA PACKAGING HLDGS INC SR-UNSEC 05/12/20		06/28/2019	Redemption 100.0000		20,625	20,625	20,573	20,600		25		25		20,625				649	05/12/2020	5
..02474R-AF-0	ABC SUPPLY CO INC ABC SUPPLY CO INC 10/31/23		06/28/2019	Redemption 100.0000		84,573	84,573	84,611	84,606		(33)		(33)		84,573				1,311	10/31/2023	4FE
..03217F-AH-2	AMISPEC SERVICES INC SR-UNSEC 07/02/24		05/24/2019	Redemption 100.0000		38,462	38,462	38,462	6,360						38,462				180	07/02/2024	4Z
..03217F-AJ-8	AMISPEC SERVICES INC SR-UNSEC 07/02/24		06/28/2019	Redemption 100.0000		54,808	54,808	54,397	54,421		387		387		54,808				2,020	07/02/2024	4
..03765V-AH-3	PRIME SECURITY SERVICES BOR PRIME SECURITY SERVICES BOR 05/02/22		04/04/2019	Redemption 100.0000		4,579,545	4,579,545	4,579,545	4,579,545						4,579,545				54,161	05/02/2022	3FE
..040448-A*-3	NASCO HEALTHCARE INC SR-UNSEC 06/30/21		06/28/2019	Redemption 100.0000		38,380	38,380	38,188	38,289		91		91		38,380				1,406	06/30/2021	5
..04262B-AC-4	ARNOTT LLC SR-UNSEC 06/15/24		04/01/2019	Redemption 100.0000		23,000	23,000	22,770	22,809		191		191		23,000				742	06/15/2024	3PL
..04575X-AC-8	ASSOCIATED PATHOLOGISTS LLC SR-UNSEC 05/01/24		04/01/2019	Redemption 100.0000		66,195	66,195	65,533	65,819		377		377		66,195				1,098	05/01/2024	4
..04575X-AD-6	ASSOCIATED PATHOLOGISTS LLC SR-UNSEC 05/01/25		04/01/2019	Redemption 100.0000		12,297	12,297	12,174	12,216		81		81		12,297				70	05/01/2025	4

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 4

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

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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 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 and Admini- strative Symbol /Market Indicator (a)
..04621H-AK-9	ASSURED PARTNERS INC ASSURED PARTNERS INC 10/22/24		06/28/2019	Redemption 100.0000		79,853	79,853	79,852	79,844		9		9		79,853				1,773	10/22/2024	4FE
..04649V-AV-7	ASURION LLC ASURION LLC 08/04/22		06/28/2019	Redemption 100.0000		107,117	107,117	107,653	107,515		(398)		(398)		107,117				2,322	08/04/2022	4FE
..04649V-AV-2	ASURION LLC ASURION LLC 11/03/23 AUTOMOTIVE REMARKETING GROUP I SR-UNSEC		06/28/2019	Redemption 100.0000		3,731	3,731	3,748	3,746		(15)		(15)		3,731				76	11/03/2023	4FE
..05333#-AB-9	03/20/20		06/28/2019	Redemption 100.0000		95,127	95,127	94,192	85,357		455		455		95,127				3,422	03/20/2020	4
..05365#-AA-4	AVETTA LLC SR-UNSEC 04/10/24		06/28/2019	Redemption 100.0000		32,927	32,927	32,630	32,656		271		271		32,927				966	04/10/2024	4
..05400K-AE-0	AVOLON TLB BORROWER 1 US AVOLON TLB BORROWER 1 US 01/15/25		05/09/2019	Redemption 100.0000		4,285,628	4,285,628	4,286,614	4,287,173		(1,545)		(1,545)		4,285,628				(763,789)	01/15/2025	3FE
..05655F-AC-7	BADGER SPORTSWEAR ACQUISITION SR-UNSEC 09/09/23		06/12/2019	Redemption 100.0000		248,190	248,190	245,751	246,331		1,858		1,858		248,190				1,011	09/09/2023	5
..06646#-AD-5	BKRUPCTY MGMT SOLUTIONS INC SR-UNSEC TERM LOAN B 02/28/25		06/28/2019	Redemption 100.0000		22,995	22,995	22,765			230		230		22,995				503	02/28/2025	4Z
..07014Q-AK-7	BASS PRO GROUP LLC BASS PRO GROUP LLC 09/25/24		06/28/2019	Redemption 100.0000		97,500	97,500	96,525	96,737		763		763		97,500				1,888	09/25/2024	4FE
..08511L-AQ-1	BERLIN PACKAGING LLC BERLIN PACKAGING LLC 11/07/25		06/28/2019	Redemption 100.0000		50,219	50,219	50,128	50,133		86		86		50,219				1,266	11/07/2025	4FE
..08511L-AS-7	BERLIN PACKAGING LLC BERLIN PACKAGING LLC 11/07/25		06/28/2019	Redemption 100.0000		13,750	13,750	13,200			550		550		13,750				320	11/07/2025	4FE
..10330J-AU-2	BOYD GAMING CORP BOYD GAMING CORP 09/15/23		06/20/2019	Redemption 100.0000		1,151,643	1,151,643	1,154,040	1,153,446		(1,803)		(1,803)		1,151,643				81,940	09/15/2023	3FE
..10801X-AG-2	BRIGHTVIEW LANDSCAPES BRIGHTVIEW LANDSCAPES 08/15/25		06/28/2019	Redemption 100.0000		87,563	87,563	87,061	87,063		500		500		87,563				1,273	08/15/2025	4FE
..11132V-AN-9	BROADSTREET PARTNERS INC BROADSTREET PARTNERS INC 11/08/23		06/28/2019	Redemption 100.0000		23,283	23,283	23,214	23,215		68		68		23,283				408	11/08/2023	4FE
..11244#-AA-9	BROOK & WHITTLE HLDG CORP SR-UNSEC 10/17/23		06/26/2019	Redemption 100.0000		145,130	145,130	143,679	143,914		1,217		1,217		145,130				5,480	10/17/2023	4PL
..11244#-AB-7	BROOK & WHITTLE HLDG CORP SR-UNSEC 10/17/23		06/26/2019	Redemption 100.0000		34,133	34,133	34,133	34,133						34,133				1,366	10/17/2023	4Z
..12506K-AD-1	CBS RADIO INC CBS RADIO INC 11/18/24		04/30/2019	Redemption 100.0000		1,513,486	1,513,486	1,511,736	1,511,945		1,541		1,541		1,513,486				22,587	11/18/2024	3FE
..12512K-AG-6	CDS US INTERMEDIATE HOLD CDS US INTERMEDIATE HOLD 07/08/22		06/28/2019	Redemption 100.0000		17,446	17,446	17,486	17,476		(30)		(30)		17,446				469	07/08/2022	4FE
..12541H-AR-4	CHG HEALTHCARE SERVICES INC CHG HEALTHCARE SERVICES INC 06/07/23		05/07/2019	Redemption 100.0000		378,347	378,347	381,029	380,594		(2,247)		(2,247)		378,347				8,985	06/07/2023	4FE
..12594E-AD-8	CNT HOLDINGS III CORP CNT HOLDINGS III CORP 01/22/23		06/28/2019	Redemption 100.0000		51,791	51,791	51,996	51,931		(140)		(140)		51,791				985	01/22/2023	4FE
..14726#-AA-0	CASCADE DRILLING LP SR-UNSEC 02/22/21		04/11/2019	Redemption 100.0000		228,210	228,210	225,928	227,127		1,083		1,083		228,210				5,635	02/22/2021	5
..14727#-AA-9	CASCADE DRILLING LP SR-UNSEC 02/22/21		04/11/2019	Redemption 100.0000		209,148	209,148	207,984	208,533		615		615		209,148				5,587	02/22/2021	5
..14727#-AB-7	CASCADE DRILLING LP SR-UNSEC 02/19/21		04/11/2019	Redemption 100.0000		205,161	205,161	204,246	204,650		511		511		205,161				4,573	02/19/2021	5
..14727#-AC-5	CASCADE DRILLING LP SR-UNSEC 02/22/21		04/11/2019	Redemption 100.0000		354,459	354,459	354,459	354,459						354,459				6,895	02/22/2021	5
..15911A-AC-7	CHANGE HEALTHCARE HOLDINGS CHANGE HEALTHCARE HOLDINGS 03/01/24		06/28/2019	Redemption 100.0000		127,600	127,600	127,548	127,564		36		36		127,600				1,257	03/01/2024	4FE
..16706E-AC-6	CHI DOORS HOLDINGS CORP CHI DOORS HOLDINGS CORP 07/31/22		06/28/2019	Redemption 100.0000		53,262	53,262	53,245	53,254		8		8		53,262				1,047	07/31/2022	4FE
..18271*-AA-2	CLARUS GLASSBOARDS LLC SR-UNSEC 06/06/24		06/28/2019	Redemption 100.0000		31,570	31,570	31,397	31,411		159		159		31,570				769	06/06/2024	5
..18449E-AE-0	CLEAN HARBORS INC CLEAN HARBORS INC 06/28/24		06/28/2019	Redemption 100.0000		33,586	33,586	33,572	33,573		13		13		33,586				488	06/28/2024	3FE

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 4

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

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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 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 and Admini- strative Symbol /Market Indicator (a)
18913E-AB-3	ALPHABET HOLDING CO INC ALPHABET HOLDING CO INC 09/28/24		06/28/2019	Redemption 100.0000		73,125	73,125	72,759	72,819		306		306		73,125				1,414	09/28/2024	4FE
19286#-AD-3	COLD SPRING BREWING CO SR-UNSEC 05/15/24		06/28/2019	Redemption 100.0000		116,091	116,091	114,930	115,027		1,064		1,064		116,091				3,063	05/15/2024	4
20007*-AA-9	COMAR HLDG CO LLC SR-UNSEC 06/18/24		06/28/2019	Redemption 100.0000		37,500	37,500	37,125	37,151		349		349		37,500				976	06/18/2024	4
20337E-AN-1	COMMSCOPE INC COMMSCOPE INC 12/29/22		06/28/2019	Redemption 100.0000		4,477,825	4,477,825	4,497,438	4,492,313		(14,488)		(14,488)		4,477,825				45,401	12/29/2022	3FE
21257@-AA-2	CONVEY HEALTH SOLUTIONS INC SR-UNSEC 11/16/24		06/28/2019	Redemption 100.0000		25,000	25,000	24,750	24,754		246		246		25,000				764	11/16/2024	4Z
21718@-AB-3	COP GNAP HLDGS-INC. SR-UNSEC 11/01/24		04/01/2019	Redemption 100.0000		2,361	2,361	2,338	2,338		23		23		2,361				8	11/01/2024	4Z
22235C-AC-8	COUNTRY FRESH HLDGS LLC SR-UNSEC 03/31/23		04/29/2019	TAXABLE EXCH RECORD AS SALE		5,361,939	11,915,420	11,758,451	11,790,986		10,201		10,201		11,801,187		(6,439,248)	(6,439,248)		03/31/2023	4
22284M-AK-8	COVENANT SURGICAL PARTNERS INC SR-UNSEC 10/04/24		06/28/2019	Redemption 100.0000		10,049	10,049	10,030	10,032		17		17		10,049				333	10/04/2024	4FE
22526W-AH-1	CREATIVE ARTISTS AGENCY LLC CREATIVE ARTISTS AGENCY LLC 02/15/24		06/24/2019	Redemption 100.0000		99,000	99,000	99,916	99,543		(543)		(543)		99,000				2,287	02/15/2024	4FE
23340D-AN-2	DTZ US BORROWER LLC DTZ US BORROWER LLC 08/21/25		06/28/2019	Redemption 100.0000		195,750	195,750	194,771	194,810		940		940		195,750				4,405	08/21/2025	4FE
23818Y-AC-2	DAVITA HEALTHCARE PARTNE DAVITA HEALTHCARE PARTNE 06/24/21		06/28/2019	Redemption 100.0000		60,294	60,294	60,027	60,188		106		106		60,294				1,177	06/24/2021	2FE
25403#-AD-8	DILIGENT CORP SR-UNSEC 04/14/22		06/28/2019	Redemption 100.0000		13,750	13,750	13,596	13,640		110		110		13,750				510	04/14/2022	3PL
25403#-AE-6	DILIGENT CORP SR-UNSEC 04/14/22		06/28/2019	Redemption 100.0000		14,409	14,409	14,229	14,263		146		146		14,409				535	04/14/2022	4
25403#-AF-3	DILIGENT CORP SR-UNSEC 04/14/22		06/28/2019	Redemption 100.0000		4,420	4,420	4,420	4,420						4,420				164	04/14/2022	4
25403#-AG-1	DILIGENT CORP SR-UNSEC 04/14/22		06/28/2019	Redemption 100.0000		3,208	3,208	3,208	3,208						3,208				151	04/14/2022	4
26376M-AG-7	DUBOIS CHEMICALS INC DUBOIS CHEMICALS INC 03/15/24		06/28/2019	Redemption 100.0000		43,174	43,174	43,161	43,160		14		14		43,174				504	03/15/2024	4FE
26658N-AC-3	ENGINEERED MACHINERY HOL ENGINEERED MACHINERY HOL 07/19/24		06/28/2019	Redemption 100.0000		55,000	55,000	55,030	55,027		(27)		(27)		55,000				1,553	07/19/2024	4FE
26828K-AB-6	GOPHER RESOURCE LLC GOPHER RESOURCE LLC 03/06/25		06/28/2019	Redemption 100.0000		35,946	35,946	35,750	23,717		196		196		35,946				533	03/06/2025	4FE
26928B-AJ-8	EW SCRIPPS CO EW SCRIPPS CO 10/02/24		06/28/2019	Redemption 100.0000		22,938	22,938	22,957	22,955		(17)		(17)		22,938				384	10/02/2024	3FE
28047H-AC-2	EDGEWOOD PARTNERS HLDGS LLC SR-UNSEC 09/06/24		06/28/2019	Redemption 100.0000		49,854	49,854	49,656	44,302		170		170		49,854				1,007	09/06/2024	5
28656L-AN-1	ELIASSEN GROUP LLC SR-UNSEC 11/05/24		06/28/2019	Redemption 100.0000		10,440	10,440	10,388	6,841		52		52		10,440				191	11/05/2024	4Z
29273P-AB-9	ENDO PARENT INC SR-UNSEC 08/18/23		06/28/2019	Redemption 100.0000		7,502	7,502	7,502	7,502						7,502				227	08/18/2023	4
29273P-AC-7	ENDO PARENT INC SR-UNSEC 08/18/23		06/28/2019	Redemption 100.0000		12,850	12,850	12,722	12,758		93		93		12,850				445	08/18/2023	4
29273P-AE-3	PHYSICIANS ENDOSCOPY-L.L.C. SR-UNSEC 08/18/23		06/28/2019	Redemption 100.0000		7,013	7,013	7,013	7,013						7,013				213	08/18/2023	4
29373U-AC-5	ENVISION HEALTHCARE CORP ENVISION HEALTHCARE CORP 10/10/25		06/28/2019	Redemption 100.0000		117,500	117,500	117,206	117,213		287		287		117,500				2,387	10/10/2025	4FE
30152@-AF-8	EXECUTIVE CONSULTING GROUP LLC SR-UNSEC 06/20/24		06/28/2019	Redemption 100.0000		37,500	37,500	37,125	37,152		348		348		37,500				1,222	06/20/2024	4
30233F-AF-9	EYEMART EXPRESS LLC EYEMART EXPRESS LLC 08/05/24		06/28/2019	Redemption 100.0000		4,000	4,000	3,990	3,992		8		8		4,000				111	08/05/2024	4FE
30606*-AA-3	FALCON BUYER INC SR-UNSEC 04/10/24		04/18/2019	Redemption 100.0000		875,000	875,000	875,000							875,000					04/10/2024	4Z



STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 4

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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 and Admini- strative Symbol /Market Indicator (a)
...30606*-AA-3	FALCON BUYER INC SR-UNSEC 04/10/24		06/28/2019	Redemption 100.0000		3,000,000	3,000,000	3,000,000							3,000,000				11,986	04/10/2024	4Z
...31732F-AM-8	FILTRATION GROUP CORP FILTRATION GROUP CORP 03/28/25		06/28/2019	Redemption 100.0000		6,125	6,125	6,110	6,111		14		14		6,125				120	03/28/2025	4FE
...31740M-AC-5	FINANCIAL & RISK US HOLD FINANCIAL & RISK US HOLD 10/01/25		06/28/2019	Redemption 100.0000		158,750	158,750	158,353	158,363		387		387		158,750				3,690	10/01/2025	4FE
...32007U-BX-6	FIRST DATA CORP FIRST DATA CORP 04/26/24		05/20/2019	CREDIT SUISSE SECURITIES US LL		18,501,844	18,525,000	18,559,175	18,554,224		(2,015)		(2,015)		18,552,209		(50,365)	(50,365)	373,408	04/26/2024	3FE
...33936H-AB-8	FLEX ACQUISITION CO INC FLEX ACQUISITION CO INC 12/31/23		05/02/2019	Redemption 100.0000		274,297	274,297	274,009	274,063		234		234		274,297				3,202	12/31/2023	4FE
...33936H-AH-5	FLEX ACQUISITION CO INC FLEX ACQUISITION CO INC 06/30/25		05/02/2019	Redemption 100.0000		386,579	386,579	385,612	385,669		910		910		386,579				7,753	06/30/2025	4FE
...33941*-AA-1	FLIGHT BUYER LLC SR-UNSEC 10/02/21		04/08/2019	Redemption 100.0000		11,910,681	11,910,681	11,795,604	11,849,421		61,260		61,260		11,910,681				225,414	10/02/2021	4
...33941J-AC-5	FLIGHT BUYER LLC SR-UNSEC 10/02/21		04/08/2019	Redemption 100.0000		2,680,927	2,680,927	2,680,927	2,680,927						2,680,927				46,137	10/02/2021	4
...33941J-AD-3	FLIGHT BUYER LLC SR-UNSEC 10/02/21		04/08/2019	Redemption 100.0000		3,133,044	3,133,044	3,133,044	3,133,044						3,133,044				60,024	10/02/2021	4Z
...35041@-AA-3	FOUNDATION RISK PARTNERS CORP SR-UNSEC 11/10/23		04/01/2019	Redemption 100.0000		56,409	56,409	55,859	37,090		492		492		56,409				1,179	11/10/2023	3PL
...35041@-AB-1	FOUNDATION RISK PARTNERS CORP SR-UNSEC 11/10/23		05/01/2019	Redemption 100.0000		2,017,630	2,017,630	2,017,630							2,017,630				30,974	11/10/2023	3PL
...35041@-AC-9	FOUNDATION RISK PARTNERS CORP SR-UNSEC 11/10/23		04/01/2019	Redemption 100.0000		26,668	26,668	26,644	8,469		24		24		26,668				42	11/10/2023	3PL
...35645@-AA-3	FREEDOM US ACQUISITION CORP SR-UNSEC 11/10/20		06/28/2019	Redemption 100.0000		10,750	10,750	10,643	10,705		45		45		10,750				312	11/10/2020	4
...35645@-AC-9	FREEDOM US ACQUISITION CORP SR-UNSEC 11/10/20		06/28/2019	Redemption 100.0000		9,473	9,473	9,378	9,430		44		44		9,473				312	11/10/2020	4
...35645@-AD-7	FREEDOM US ACQUISITION CORP SR-UNSEC 11/10/20		06/28/2019	Redemption 100.0000		15,500	15,500	15,345	15,394		106		106		15,500				558	11/10/2020	4
...36174W-AB-9	GLOBAL KNOWLEDGE TRAINING-LLC SR-SEC 01/30/21		06/28/2019	Redemption 100.0000		25,000	25,000	25,000	25,000						25,000				1,082	01/30/2021	5FE
...36740U-AP-7	GATES GLOBAL LLC GATES GLOBAL LLC 04/01/24		06/28/2019	Redemption 100.0000		87,339	87,339	87,732	87,671		(333)		(333)		87,339				1,705	04/01/2024	4FE
...37233@-AC-1	PRECISION AVIATION GROUP INC SR-UNSEC 07/24/24		06/28/2019	Redemption 100.0000		116,234	116,234	115,072	115,137		1,098		1,098		116,234				3,710	07/24/2024	4
...37244@-AA-2	GENSERVE LLC SR-UNSEC 04/12/24		06/28/2019	Redemption 100.0000		42,500	42,500	42,500	42,500						42,500				1,520	04/12/2024	5
...37249U-AN-6	GENTIVA HEALTH SERVICES GENTIVA HEALTH SERVICES 07/02/25		06/28/2019	Redemption 100.0000		47,219	47,219	46,747	46,771		448		448		47,219				724	07/02/2025	4FE
...37943V-BH-5	GLOBAL PAYMENTS INC GLOBAL PAYMENTS INC 10/10/25		06/28/2019	Redemption 100.0000		30,000	30,000	29,878	29,880		120		120		30,000				414	10/10/2025	3FE
...37958Y-AG-4	GLOBALTRANZ ENTERPRISES INC SR-UNSEC 06/30/25		05/15/2019	Redemption 100.0000		28,062,310	28,062,310	27,948,869	27,954,483		107,826		107,826		28,062,310				680,801	06/30/2025	561
...37958Y-AH-2	GLOBALTRANZ ENTERPRISES INC SR-UNSEC 10/16/20		05/15/2019	Redemption 100.0000		1,836,935	1,836,935	1,827,751			9,185		9,185		1,836,935				15,126	10/16/2020	4Z
...38216@-AB-4	GOOD2GROW LLC SR-UNSEC 11/16/24		06/28/2019	Redemption 100.0000		22,800	22,800	22,572	22,575		225		225		22,800				806	11/16/2024	4Z
...38216@-AC-2	GOOD2GROW LLC SR-UNSEC 11/16/23		06/14/2019	Redemption 100.0000		3,558,900	3,558,900	3,558,900	1,186,300						3,558,900				79,039	11/16/2023	4Z
...38268P-AB-7	DG INVESTMENT INTERMEDI DG INVESTMENT INTERMEDI 02/03/25		06/28/2019	Redemption 100.0000		45,925	45,925	46,008	45,994		(69)		(69)		45,925				1,057	02/03/2025	4FE
...38723B-AB-7	GRANITE ACQUISITION INC GRANITE ACQUISITION INC 12/17/21		06/24/2019	DEUTSCHE BANK SECURITIES INCOR		6,003,750	6,000,000	6,070,020	6,057,848		(8,954)		(8,954)		6,048,894		(45,144)	(45,144)	95,596	12/17/2021	4FE
...38723B-AB-7	GRANITE ACQUISITION INC GRANITE ACQUISITION INC 12/17/21		04/30/2019	Redemption 100.0000		270,120	270,120	273,273	272,725		(2,604)		(2,604)		270,120				5,205	12/17/2021	4FE

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
387238-AC-5	GRANITE ACQUISITION INC GRANITE ACQUISITION INC 12/17/21		06/06/2019	Redemption 100.0000		15,671	15,671	15,514	15,597		73		73		15,671				81	12/17/2021	4FE
39154E-AF-8	GREATBATCH LTD GREATBATCH LTD 10/27/22		06/28/2019	Redemption 100.0000		994,227	994,227	1,001,375	999,938		(5,711)		(5,711)		994,227				25,073	10/27/2022	4FE
40409V-AR-5	H.B. FULLER CO H.B. FULLER CO 10/21/24		05/31/2019	Redemption 100.0000		1,058,140	1,058,140	1,060,954	1,060,695		(2,556)		(2,556)		1,058,140				21,343	10/21/2024	3FE
42206J-AT-9	HD SUPPLY INC HD SUPPLY INC 10/17/23		06/28/2019	Redemption 100.0000		4,875	4,875	4,851	4,851		24		24		4,875				77	10/17/2023	3FE
42804V-AS-0	HERTZ CORP HERTZ CORP 06/30/23		06/28/2019	Redemption 100.0000		47,640	47,640	47,461	47,516		124		124		47,640				758	06/30/2023	3FE
42979A-AG-1	HIGH RIDGE BRANDS CO SR-UNSEC 06/30/22		06/28/2019	Redemption 100.0000		38,024	38,024	37,644	37,770		253		253		38,024				1,079	06/30/2022	4PL
43129*-AA-4	HILB GROUP LLC-THE FIRST LIEN NEW TERM LOAN 06/24/21		06/28/2019	Redemption 100.0000		62,263	62,263	61,357	61,780		483		483		62,263				2,311	06/24/2021	5
43129*-AB-2	HILB GROUP LLC-THE SR-UNSEC 06/24/21		06/28/2019	Redemption 100.0000		22,397	22,397	22,397							22,397				261	06/24/2021	5
43289D-AE-3	HILTON WORLDWIDE FINANCE HILTON WORLDWIDE FINANCE 10/25/23		06/24/2019	Tax Free Exchange		20,207,393	20,078,352	20,237,975	20,220,083		(12,691)		(12,691)		20,207,393				399,094	10/25/2023	2FE
44043V-AJ-7	HORIZON PHARMA INC HORIZON PHARMA INC 03/29/24		05/24/2019	Tax Free Exchange		10,024,663	10,132,216	10,016,107	10,016,851		7,813		7,813		10,024,663				224,568	03/29/2024	3FE
44332E-AP-1	HUB INTERNATIONAL LTD HUB INTERNATIONAL LTD 04/25/25		06/28/2019	Redemption 100.0000		37,320	37,320	36,767	29,566		588		588		37,320				846	04/25/2025	4FE
44969C-BJ-8	IQVIA INC IQVIA INC 06/11/25		06/28/2019	Redemption 100.0000		75,250	75,250	75,062	75,073		177		177		75,250				1,155	06/11/2025	3FE
44988E-AE-3	SYNEOS HEALTH INC SYNEOS HEALTH INC 08/01/24		06/28/2019	Redemption 100.0000		1,006,286	1,006,286	1,009,522	1,009,228		(2,941)		(2,941)		1,006,286				14,359	08/01/2024	3FE
45109#-AA-9	ICONIC GROUP INC SR-UNSEC 05/15/24		05/07/2019	Redemption 100.0000		3,119,205	3,119,205	3,088,013	3,090,409		28,796		28,796		3,119,205				60,457	05/15/2024	5
45672J-AK-6	INEOS US FINANCE LLC INEOS US FINANCE LLC 03/31/24		06/28/2019	Redemption 100.0000		33,750	33,750	33,927	33,905		(155)		(155)		33,750				636	03/31/2024	3FE
45672L-AE-5	INFOR US INC INFOR US INC 02/01/22		06/28/2019	Redemption 100.0000		34,875	34,875	34,856	34,862		13		13		34,875				681	02/01/2022	4FE
45719@-AA-3	INNHANCE TECHNOLOGIES HLDGS LLC SR-UNSEC 07/16/24		04/01/2019	Redemption 100.0000		35,407	35,407	35,230	35,238		169		169		35,407				810	07/16/2024	5
45781B-AE-5	INOVALON HOLDINGS INC INOVALON HOLDINGS INC 04/02/25		04/01/2019	Redemption 100.0000		99,375	99,375	97,884	98,013		1,362		1,362		99,375				1,811	04/02/2025	4FE
46322E-AB-9	SOUND INPATIENT PHYSICIA SOUND INPATIENT PHYSICIA 06/28/25		06/28/2019	Redemption 100.0000		20,638	20,638	20,473	15,559		192		192		20,638				359	06/28/2025	4FE
47009Y-AK-3	JAGUAR HOLDING CO II JAGUAR HOLDING CO II 08/18/22		06/28/2019	Redemption 100.0000		56,059	56,059	55,845	48,297		340		340		56,059				950	08/18/2022	4FE
47630E-AB-4	JENSEN HUGHES INC SR-UNSEC 12/06/21		04/01/2019	Redemption 100.0000		3,760	3,760	3,760	3,760						3,760				46	12/06/2021	3PL
47630E-AD-0	JENSEN HUGHES INC SR-UNSEC 03/22/24		04/01/2019	Redemption 100.0000		20,506	20,506	20,301	20,362		143		143		20,506				626	03/22/2024	3PL
47630E-AE-8	JENSEN HUGHES INC SR-UNSEC 03/22/24		04/01/2019	Redemption 100.0000		7,392	7,392	7,324	7,331		61		61		7,392				230	03/22/2024	3PL
47630E-AJ-7	JENSEN HUGHES INC SR-UNSEC 03/22/24		04/01/2019	Redemption 100.0000		6,247	6,247	6,247							6,247				64	03/22/2024	3PL
48244E-AJ-3	KUEHG CORP KUEHG CORP 02/21/25		06/28/2019	Redemption 100.0000		46,178	46,178	45,912	45,913		264		264		46,178				1,481	02/21/2025	4FE
48268J-AC-8	KSLB HLDGS LLC SR-UNSEC 07/30/25		06/28/2019	Redemption 100.0000		37,500	37,500	37,125	37,143		357		357		37,500				801	07/30/2025	3PL
48283*-AA-5	KABAFUSION HLDGS LLC SR-SEC 01/28/25		06/28/2019	Redemption 100.0000		22,500	22,500	22,500							22,500				621	01/28/2025	2PL
48562R-AK-5	KAR AUCTION SERVICES INC KAR AUCTION SERVICES INC 03/09/23		06/28/2019	Redemption 100.0000		11,920,264	11,920,264	11,859,948	11,857,670		62,594		62,594		11,920,264				308,927	03/09/2023	3FE

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 4

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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 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 and Admini- strative Symbol /Market Indicator (a)
48770T-AJ-2	KELLERMAYER BERGENSONS SERVICE INCREMENTAL TERM LOAN 10/31/21		06/28/2019	Redemption 100.0000		42,668	42,668	42,466	42,474		194		194		42,668					10/31/2021	4FE
48853U-AY-6	KENAN ADVANTAGE GROUP KENAN ADVANTAGE GROUP 08/01/22		06/28/2019	Redemption 100.0000		44,802	44,802	44,711	44,744		58		58		44,802				1,032	08/01/2022	4FE
48853U-AZ-3	KENAN ADVANTAGE GROUP KENAN ADVANTAGE GROUP 07/29/22		06/28/2019	Redemption 100.0000		10,700	10,700	10,678	10,686		14		14		10,700				237	07/29/2022	4FE
49255#-AA-3	KESTRA FINANCIAL INC SR-UNSEC 06/24/22		06/03/2019	Redemption 100.0000		11,841,286	11,841,286	11,683,925	11,734,122		107,164		107,164		11,841,286				301,615	06/24/2022	5
50082#-AA-0	KRAMER LABORATORIES INC SR-UNSEC 06/22/24		06/28/2019	Redemption 100.0000		50,500	50,500	49,995	50,028		472		472		50,500				1,874	06/22/2024	2PL
50215L-AA-7	LRN CORP SR-UNSEC 12/17/25		04/02/2019	Redemption 100.0000		53,250	53,250	52,718	52,718		532		532		53,250				1,145	12/17/2025	4Z
50217U-AS-6	LTI HOLDINGS INC LTI HOLDINGS INC 09/08/25		06/28/2019	Redemption 100.0000		25,188	25,188	25,137	25,138		49		49		25,188				512	09/08/2025	4FE
50218U-AC-0	LTCG HLDGS CORP. SR-SEC 06/06/20		05/21/2019	Redemption 100.0000		7,096,429	7,096,429	7,060,946	7,086,407		10,022		10,022		7,096,429				208,470	06/06/2020	4PL
513076-AZ-2	LAMAR MEDIA CORP LAMAR MEDIA CORP 03/14/25		06/28/2019	Redemption 100.0000		14,063	14,063	14,045	14,047		16		16		14,063				182	03/14/2025	2FE
51789Q-AP-3	LAS VEGAS SANDS LLC LAS VEGAS SANDS LLC 03/27/25		06/28/2019	Redemption 100.0000		57,313	57,313	56,772	51,816		627		627		57,313				1,035	03/27/2025	2FE
51808@-AA-3	LASIK VISION INSTITUTE SR-UNSEC 03/31/20		04/01/2019	Redemption 100.0000		66,757	66,757	38,498	38,498		28,259		28,259		66,757				1,419	03/31/2020	5GI
53631U-AF-6	LIQUI-BOX HLDGS INC SR-UNSEC 10/01/21		04/02/2019	Redemption 100.0000		23,305	23,305	23,212	23,254		51		51		23,305				758	10/01/2021	5
55280F-AG-6	MA FINANCECO LLC MA FINANCECO LLC 06/21/24		04/09/2019	Redemption 100.0000		123,147	123,147	122,839	122,904		243		243		123,147				1,387	06/21/2024	4FE
55282C-AB-2	MAG DS CORP SR-UNSEC 06/06/25		06/28/2019	Redemption 100.0000		41,076	41,076	40,665	28,896		393		393		41,076				976	06/06/2025	4
55292S-AB-5	MBS HLDGS INC SR-UNSEC 07/02/23		06/28/2019	Redemption 100.0000		32,627	32,627	32,464	32,477		150		150		32,627				1,093	07/02/2023	5
55292S-AC-3	MBS HLDGS INC SR-UNSEC 07/02/23		04/04/2019	Redemption 100.0000		3,432,109	3,432,109	3,432,109	3,432,109						3,432,109				63,069	07/02/2023	4Z
55303K-AC-7	MGM GROWTH PROPERTIES MGM GROWTH PROPERTIES 03/23/25		06/28/2019	Redemption 100.0000		134,308	134,308	134,384	134,370		(62)		(62)		134,308				2,065	03/23/2025	3FE
55314N-AG-9	MKS INSTRUMENTS INC MKS INSTRUMENTS INC 05/01/23		06/28/2019	Redemption 100.0000		192,308	192,308	193,329	193,208		(901)		(901)		192,308				3,410	05/01/2023	3FE
55357G-AF-4	MSHC INC SR-UNSEC 12/31/24		06/28/2019	Redemption 100.0000		40,358	40,358	40,255	11,019		93		93		40,358				1,643	12/31/2024	5
55357G-AH-0	MSHC INC SR-UNSEC 12/31/24		06/28/2019	Redemption 100.0000		13,355	13,355	13,355							13,355				234	12/31/2024	5
55377V-AK-6	MTS SYSTEMS CORP MTS SYSTEMS CORP 07/05/23		06/24/2019	Redemption 100.0000		60,000	60,000	60,450	60,350		(350)		(350)		60,000				1,342	07/05/2023	4FE
55936#-AA-7	TRUMP CARD HLDGS LLC SR-UNSEC 04/21/22		05/31/2019	Redemption 100.0000		139,590	139,590	138,194	138,345		1,245		1,245		139,590				1,813	04/21/2022	2PL
55936#-AB-5	TRUMP CARD HLDGS LLC SR-UNSEC 04/21/22		06/24/2019	Redemption 100.0000		495,650	495,650	495,650							495,650				312	04/21/2022	2PL
56032Y-AE-9	MAILSOUTH INC SR-UNSEC 04/23/24		05/03/2019	Redemption 100.0000		60,406	60,406	60,188	8,788		210		210		60,406				1,139	04/23/2024	4
56032Y-AF-6	MAILSOUTH INC SR-UNSEC 04/24/23		06/28/2019	Redemption 100.0000		550,000	550,000	550,000							550,000				193	04/24/2023	4
56377@-AA-3	MANNA PRO PRODUCTS LLC SR-UNSEC 12/08/23		06/28/2019	Redemption 100.0000		67,708	67,708	66,693	66,835		873		873		67,708				1,754	12/08/2023	5GI
58711P-AQ-5	THE MEN'S WEARHOUSE INC THE MEN'S WEARHOUSE INC 04/09/25		05/01/2019	Redemption 100.0000		102,237	102,237	102,255	102,253		(16)		(16)		102,237				2,128	04/09/2025	3FE
58943P-AP-7	MEREDITH CORP MEREDITH CORP 01/31/25		06/28/2019	Redemption 100.0000		1,739,032	1,739,032	1,734,198	1,734,297		4,735		4,735		1,739,032				33,978	01/31/2025	3FE

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
59828*-AB-2	MIDWEST CAN CO LLC SR-UNSEC 04/11/24		06/28/2019	Redemption 100.0000		50,000	50,000	49,500	49,548		452		452		50,000				1,549	04/11/2024	4
60315G-AD-0	MINERALS TECHNOLOGIES INC MINERALS TECHNOLOGIES INC 05/07/21		06/21/2019	Redemption 100.0000		1,712,500	1,712,500	1,708,219	1,678,864		33,636		33,636		1,712,500					05/07/2021	3FE
605024-AQ-1	MISSION BROADCASTING INC MISSION BROADCASTING INC 01/17/24		04/01/2019	Redemption 100.0000		11,860	11,860	11,860	11,860						11,860				132	01/17/2024	3FE
60662W-AM-4	MITCHELL INTERNATIONAL MITCHELL INTERNATIONAL 11/29/24		06/28/2019	Redemption 100.0000		82,750	82,750	82,323	82,373		377		377		82,750				2,230	11/29/2024	4FE
60725*-AA-2	MOBILE COMMUNICATIONS AMERICA SR-UNSEC 03/04/25		06/28/2019	Redemption 100.0000		37,500	37,500	37,313			188		188		37,500				831	03/04/2025	4Z
60725*-AB-0	MOBILE COMMUNICATIONS AMERICA SR-UNSEC 03/04/25		04/16/2019	Redemption 100.0000		775,000	775,000	775,000							775,000				5,757	03/04/2025	4Z
60848*-AA-8	MOLD-RITE PLASTICS LLC SR-UNSEC 12/18/19		05/03/2019	Redemption 100.0000		164,140	164,140	163,320	163,922		218		218		164,140				2,540	12/18/2019	4
60848*-AB-6	MOLD-RITE PLASTICS LLC SR-UNSEC 12/14/21		05/03/2019	Redemption 100.0000		88,605	88,605	88,162	88,264		341		341		88,605				1,420	12/14/2021	4
62898*-AB-9	NDC INTERMEDIATE HLDGS LLC SR-UNSEC 02/01/22		06/28/2019	Redemption 100.0000		5,614	5,614	5,614	5,614						5,614				130	02/01/2022	4
62898*-AC-7	NDC INTERMEDIATE HLDGS LLC SR-UNSEC 02/01/22		06/28/2019	Redemption 100.0000		32,767	32,767	32,767	32,767						32,767				796	02/01/2022	4
62910P-AC-7	NFP CORP NFP CORP 01/05/24		06/28/2019	Redemption 100.0000		41,342	41,342	40,644	28,420		755		755		41,342				771	01/05/2024	4FE
62914D-AB-2	DRESSER NATURAL GAS SOLUTIONS SR-UNSEC 10/01/25		06/28/2019	Redemption 100.0000		12,450	12,450	12,388	12,389		61		61		12,450				259	10/01/2025	4Z
62922E-AB-0	NUEYE LLC SR-UNSEC 09/14/24		05/28/2019	Redemption 100.0000		496,700	496,700	496,700							496,700					09/14/2024	4Z
62922E-AC-8	NUEYE LLC SR-UNSEC 09/14/24		04/01/2019	Redemption 100.0000		25,000	25,000	24,750	24,759		241		241		25,000				(84)	09/14/2024	5GI
63773*-AA-7	NAT SPINE AND PAIN CENTERS LLC SR-UNSEC 06/02/24		06/28/2019	Redemption 100.0000		27,750	27,750	27,611	27,635		115		115		27,750				625	06/02/2024	4
638104-A*-0	NAT TECHNICAL SYSS INC SR-SEC 06/12/21		04/01/2019	Redemption 100.0000		59,330	59,330	59,330	59,330						59,330					06/12/2021	5
64029B-AD-0	LES ALIMENTS MULTIBAR INC. SR-UNSEC 12/23/21		06/28/2019	Redemption 100.0000		10,364	10,364	10,351	10,354		10		10		10,364				241	12/23/2021	4FE
64029B-AE-8	LES ALIMENTS MULTIBAR INC. SR-UNSEC 12/23/21		04/02/2019	Redemption 100.0000		12,687	12,687	12,671	12,675		12		12		12,687				196	12/23/2021	4FE
64127U-AX-5	NEUSTAR INC NEUSTAR INC 08/08/24		06/28/2019	Redemption 100.0000		6,875	6,875	6,886	6,885		(10)		(10)		6,875				153	08/08/2024	4FE
64127U-AY-3	NEUSTAR INC NEUSTAR INC 08/08/24		06/28/2019	Redemption 100.0000		24,625	24,625	24,133			493		493		24,625				254	08/08/2024	4FE
65336R-AU-2	NEXSTAR BROADCASTING INC NEXSTAR BROADCASTING INC 01/17/24		06/28/2019	Redemption 100.0000		2,075,907	2,075,907	2,075,907	2,075,907						2,075,907				40,542	01/17/2024	3FE
65340M-AN-3	NIACET CORP SR-UNSEC 02/01/24		06/28/2019	Redemption 100.0000		133,512	133,512	132,177	132,469		1,043		1,043		133,512				2,239	02/01/2024	4
65538U-AC-1	NONNI'S FOODS-LLC SR-UNSEC 12/01/23		04/30/2019	Redemption 100.0000		443,729	443,729	439,292	439,946		3,783		3,783		443,729				7,184	12/01/2023	4
65957*-AA-0	NORTH HAVEN CS ACQUISITION INC SR-UNSEC 01/23/24		06/28/2019	Redemption 100.0000		37,500	37,500	37,125			375		375		37,500				798	01/23/2024	4Z
65957*-AB-8	NORTH HAVEN CS ACQUISITION INC SR-UNSEC 01/23/25		05/23/2019	Redemption 100.0000		5,000,000	5,000,000	5,000,000							5,000,000				140,710	01/23/2025	4Z
65958*-AC-5	NORTH HAVEN CA HLDGS-INC. SR-UNSEC 10/01/23		06/28/2019	Redemption 100.0000		1,099,409	1,099,409	1,088,414	1,090,285		9,123		9,123		1,099,409				19,574	10/01/2023	3PL
66573E-AC-1	NORTHERN STAR INDUSTRIES INC SR-UNSEC 03/28/25		06/28/2019	Redemption 100.0000		17,207	17,207	17,057	9,830		146		146		17,207				406	03/28/2025	4
66989B-AC-5	NOVARIA HLDGS LLC SR-UNSEC 12/19/24		04/08/2019	Redemption 100.0000		18,056	18,056	17,875			180		180		18,056				240	12/19/2024	2FE

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
..66989B-AC-5	NOVARIA HLDGS LLC SR-UNSEC 12/19/24		06/28/2019	Redemption 100.0000		25,000	25,000	24,750			250		250		25,000				439	12/19/2024	2PL
..66989B-AC-5	NOVARIA HLDGS LLC SR-UNSEC 12/19/24		04/05/2019	Redemption 100.0000		(18,056)	(18,056)	(17,875)							(18,056)					12/19/2024	4Z
..68162R-AD-3	WEST CORP WEST CORP 10/10/24		06/28/2019	Redemption 100.0000		14,375	14,375	14,357	14,358		17		17		14,375				514	10/10/2024	3FE
..68248K-AC-8	ONE WORLD FITNESS PFF LLC SR-UNSEC 03/28/25		06/28/2019	Redemption 100.0000		43,722	43,722	43,285			437		437		43,722				798	03/28/2025	4Z
..69012B-AB-2	OUTPUT SERVICES GROUP INC SR-UNSEC 03/26/24		06/28/2019	Redemption 100.0000		29,640	29,640	29,515	20,842		115		115		29,640				692	03/26/2024	4FE
..69519U-AC-6	PACKERS HOLDINGS LLC PACKERS HOLDINGS LLC 12/04/24		06/28/2019	Redemption 100.0000		33,191	33,191	33,114	33,115		76		76		33,191				768	12/04/2024	4FE
..69946E-AT-8	PAREXEL INTL CORP PAREXEL INTL CORP 09/27/24		06/28/2019	Redemption 100.0000		269,909	269,909	268,559	268,789		1,119		1,119		269,909				4,842	09/27/2024	4FE
..70215E-AN-3	PARTY CITY HOLDINGS INC PARTY CITY HOLDINGS INC 08/19/22		06/28/2019	Redemption 100.0000		41,919	41,919	41,998	41,984		(65)		(65)		41,919				821	08/19/2022	3FE
..70359M-AB-7	PAULA'S CHOICE ACQUISITIONCO I SR-UNSEC 10/16/23		06/28/2019	Redemption 100.0000		134,422	134,422	133,750	133,765		657		657		134,422				2,922	10/16/2023	4Z
..70439B-AB-8	PAYMENT ALLIANCE INTL INC TERM LOAN 01/31/25		06/28/2019	Redemption 100.0000		187,500	187,500	185,625			1,875		1,875		187,500				4,840	01/31/2025	4Z
..70439B-AC-6	PAYMENT ALLIANCE TERM LOAN 01/31/24		05/20/2019	Redemption 100.0000		1,100,000	1,100,000	1,100,000							1,100,000					01/31/2024	4Z
..70738B-AS-3	PENN ENGINEERING & MANUFAC PENN ENGINEERING & MANUFAC 06/27/24		04/29/2019	Redemption 100.0000		381,781	381,781	383,154	382,886		(1,105)		(1,105)		381,781				6,299	06/27/2024	4FE
..70757D-AV-1	PENN NATIONAL GAMING INC PENN NATIONAL GAMING INC 10/15/25		06/28/2019	Redemption 100.0000		51,250	51,250	51,200	51,201		49		49		51,250				976	10/15/2025	3FE
..71584B-AA-9	PET SUPPLIES PLUS LLC SR-UNSEC 12/12/24		06/28/2019	Redemption 100.0000		25,000	25,000	24,750	24,751		249		249		25,000				824	12/12/2024	4Z
..71584B-AB-7	PET SUPPLIES PLUS LLC SR-UNSEC 12/12/23		04/16/2019	Redemption 100.0000		1,116,279	1,116,279	1,116,279							1,116,279					12/12/2023	4Z
..71645X-AC-3	PETROCHOICE HOLDINGS INC PETROCHOICE HOLDINGS INC 08/21/22		06/28/2019	Redemption 100.0000		32,143	32,143	31,339	31,665		478		478		32,143				1,134	08/21/2022	4FE
..71677H-AG-0	PETSMART INC PETSMART INC 03/11/22		05/30/2019	CITIGROUP GLOBAL MARKETS INC		29,744,850	31,042,423	31,096,126	31,075,753		(3,536)		(3,536)		31,072,218		(1,327,368)	(1,327,368)	729,095	03/11/2022	5FE
..71677H-AG-0	PETSMART INC PETSMART INC 03/11/22		06/21/2019	Redemption 100.0000		6,110,077	6,110,077	6,120,648	6,116,638		(6,560)		(6,560)		6,110,077				143,363	03/11/2022	5FE
..71712H-AB-8	PHARM-OLAM INTL LLC SR-UNSEC 02/01/23		04/01/2019	Redemption 100.0000		73,375	73,375	71,908	72,284		1,091		1,091		73,375				2,565	02/01/2023	4
..71714D-AF-6	ISOLOGIC INNOVATIVE RADIOPHARM SR-UNSEC 06/11/23		06/28/2019	Redemption 100.0000		2,435	2,435	2,429	2,429		6		6		2,435				56	06/11/2023	5
..71714D-AG-4	ISOLOGIC INNOVATIVE RADIOPHARM SR-UNSEC 06/11/23		06/28/2019	Redemption 100.0000		8,480	8,480	8,458	8,460		19		19		8,480				173	06/11/2023	5
..72584D-AE-4	KFC HOLDING CO KFC HOLDING CO 04/03/25		06/28/2019	Redemption 100.0000		19,886	19,886	19,935	19,931		(45)		(45)		19,886				421	04/03/2025	3FE
..72761J-AD-8	PLASTIPAK HOLDINGS INC PLASTIPAK HOLDINGS INC 10/15/24		04/24/2019	WELLS FARGO		4,161,709	4,172,139	4,190,413	4,188,762		(813)		(813)		4,187,948		(26,240)	(26,240)	34,296	10/15/2024	3FE
..72761J-AD-8	PLASTIPAK HOLDINGS INC PLASTIPAK HOLDINGS INC 10/15/24		06/28/2019	Redemption 100.0000		16,940	16,940	17,014	17,008		(67)		(67)		16,940				214	10/15/2024	3FE
..72811H-AC-4	RECESS HOLDINGS INC RECESS HOLDINGS INC 09/30/24		06/28/2019	Redemption 100.0000		24,735	24,735	24,695	24,703		32		32		24,735				596	09/30/2024	4FE
..72813B-AA-2	PLAYPOWER- INC. SR-UNSEC 06/23/21		05/10/2019	Redemption 100.0000		15,094,002	15,094,002	14,959,252	15,030,661		63,341		63,341		15,094,002				379,626	06/23/2021	4FE
..72819Q-AJ-1	PLAZE INC PLAZE INC 07/29/22		05/07/2019	Redemption 100.0000		300,459	300,459	301,761	301,398		(939)		(939)		300,459				4,216	07/29/2022	4FE
..74044T-AB-5	PREGIS HOLDING I CORP PREGIS HOLDING I CORP 05/20/21		06/28/2019	Redemption 100.0000		42,998	42,998	42,770	42,882		115		115		42,998				1,349	05/20/2021	4FE

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE D - PART 4

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

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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 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 and Admini- strative Symbol /Market Indicator (a)
74347C-AF-7	PROQUEST LLC PROQUEST LLC 10/24/21		06/28/2019	Redemption 100.0000		91,702	91,702	92,906	92,525		(823)		(823)		91,702				2,544	10/24/2021	4FE
74929*-AA-1	RAVN AIR GROUP INC SR-UNSEC 07/30/21		06/28/2019	Redemption 100.0000		98,388	98,388	97,997	98,196		192		192		98,388				3,429	07/30/2021	5
74968E-AB-0	PMAB LLC SR-UNSEC 03/02/22		06/28/2019	Redemption 100.0000		110,522	110,522	109,969	110,146		376		376		110,522				2,398	03/02/2022	3PL
75000*-AA-0	RSC ACQUISITION INC SR-UNSEC 11/30/22		06/28/2019	Redemption 100.0000		76,671	76,671	76,204	57,542		298		298		76,671				698	11/30/2022	5
75000E-AB-7	RSC ACQUISITION INC SR-UNSEC 11/30/22		06/17/2019	TAX FREE EXCH NOT SALE		7,236,551	7,236,551	7,236,551	4,198,151						7,236,551				75,997	11/30/2022	5
75621*-AA-5	RECIFE ACQUISITION CORP SR-UNSEC 09/30/22		06/28/2019	Redemption 100.0000		51,020	51,020	50,510	50,717		303		303		51,020				1,414	09/30/2022	5
75627*-AA-1	UPSTREAM REHABILITATION INC SR-UNSEC 01/03/24		06/28/2019	Redemption 100.0000		43,250	43,250	43,034	43,062		188		188		43,250				932	01/03/2024	4PL
76026*-AA-6	REP IWEX ACQUISITION PARENT LL SR-UNSEC 02/05/24		06/28/2019	Redemption 100.0000		33,010	33,010	33,010	33,010						33,010				507	02/05/2024	4
76121Q-AC-0	RESOURCE LABEL GROUP LLC SR-UNSEC 05/26/23		04/01/2019	Redemption 100.0000		37,382	37,382	37,008	37,091		291		291		37,382				847	05/26/2023	4
76970R-AC-0	ROAD INFRASTRUCTURE INVESTME ROAD 06/13/23		06/28/2019	Various		12,690,516	14,247,077	14,329,357	14,308,600		(6,194)		(6,194)		14,302,407		(1,611,891)	(1,611,891)	430,557	06/13/2023	4FE
77313D-AN-1	BOPE ROVER MERGER SUB BOPE ROVER MERGER SUB 11/28/25		06/28/2019	Redemption 100.0000		11,375	11,375	11,318	11,318		57		57		11,375				286	11/28/2025	4FE
78466D-AZ-7	SS&C TECHNOLOGIES INC SS&C TECHNOLOGIES INC 07/08/22		06/28/2019	Redemption 100.0000		11,195,600	11,195,600	11,265,573	11,243,454		(47,854)		(47,854)		11,195,600				190,485	07/08/2022	3FE
78466D-BD-5	SS&C TECHNOLOGIES INC SS&C TECHNOLOGIES INC 04/16/25		06/28/2019	Redemption 100.0000		9,729	9,729	9,705	9,707		22		22		9,729				104	04/16/2025	3FE
78466D-BF-0	SS&C TECHNOLOGIES INC SS&C TECHNOLOGIES INC 04/16/25		06/28/2019	Redemption 100.0000		31,183	31,183	30,490	30,499		684		684		31,183				620	04/16/2025	3FE
78484*-AA-9	SPI LLC SR-UNSEC 11/01/23		06/28/2019	Redemption 100.0000		25,250	25,250	24,998	25,004		246		246		25,250				897	11/01/2023	4Z
784932-A*-6	SABA SOFTWARE INC SR-UNSEC 05/01/23		06/28/2019	Redemption 100.0000		50,386	50,386	49,879	49,998		388		388		50,386				1,116	05/01/2023	3PL
78956*-AA-4	ST. GEORGE WAREHOUSING & TRUCK SUB UNSECURED 04/28/22		04/01/2019	Redemption 100.0000		205,745	205,745	205,745	205,745						205,745				1,626	04/28/2022	5
79471X-AC-5	SALIENT CRGT INC SR-UNSEC 02/28/22		06/28/2019	Redemption 100.0000		125,000	125,000	122,500	123,274		1,726		1,726		125,000				3,347	02/28/2022	4FE
79546K-AE-0	SALLY HOLDINGS LLC SALLY HOLDINGS LLC 07/05/24		06/28/2019	Redemption 100.0000		1,671,568	1,671,568	1,669,479	1,665,401		6,167		6,167		1,671,568				24,082	07/05/2024	3FE
80306Y-AA-6	SAPPHIRE TELECOM INC SR-UNSEC 11/20/25		06/28/2019	Redemption 100.0000		50,000	50,000	49,500	49,504		496		496		50,000				1,276	11/20/2025	4Z
80862Q-AD-3	SCIENCE APPLICATIONS INTERN SCIENCE APPLICATIONS INTERN 10/31/25		04/30/2019	Redemption 100.0000		37,500	37,500	37,313	37,316		184		184		37,500				452	10/31/2025	3FE
80875A-AP-6	SCIENTIFIC GAMES INTERNATIO SCIENTIFIC GAMES INTERNATIO 08/14/24		06/28/2019	Redemption 100.0000		157,356	157,356	158,024	157,943		(587)		(587)		157,356				2,158	08/14/2024	4FE
81271E-AB-7	SEATTLE SPINCO INC SEATTLE SPINCO INC 06/21/24		04/09/2019	Redemption 100.0000		831,640	831,640	829,561	829,998		1,641		1,641		831,640				9,368	06/21/2024	4FE
81527C-AL-1	SEDGWICK CMS INC SEDGWICK CMS INC 12/31/25		06/28/2019	Redemption 100.0000		50,000	50,000	49,875			125		125		50,000				1,180	12/31/2025	4FE
81722K-AC-6	CHASE INDUSTRIES INC SR-UNSEC 05/11/25		04/01/2019	Redemption 100.0000		58,095	58,095	57,805	57,820		275		275		58,095				882	05/11/2025	5
81722K-AD-4	CHASE INDUSTRIES INC SR-UNSEC 05/11/25		04/01/2019	Redemption 100.0000		968	968	968	968						968				17	05/11/2025	4Z
82568Q-AF-1	SHUTTERFLY INC SHUTTERFLY INC 08/19/24		06/28/2019	Redemption 100.0000		46,292	46,292	46,061	46,101		191		191		46,292				1,044	08/19/2024	3FE
82568Q-AH-7	SHUTTERFLY INC SHUTTERFLY INC 08/19/24		06/28/2019	Redemption 100.0000		41,289	41,289	41,185	41,108		181		181		41,289				541	08/19/2024	3FE

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
83174#-AA-0	SMILE DOCTORS LLC SR-UNSEC 10/06/22		06/28/2019	Redemption 100.0000		35,570	35,570	35,378	35,417		153		153		35,570				1,262	10/06/2022	2PL
83174#-AB-8	SMILE DOCTORS LLC SR-UNSEC 10/06/22		06/28/2019	Redemption 100.0000		129,640	129,640	129,640	62,678						129,640				1,781	10/06/2022	4
83415Y-AA-8	SOLARAY LLC SR-UNSEC 09/08/23		04/01/2019	Redemption 100.0000		47,694	47,694	47,313	47,369		325		325		47,694				860	09/08/2023	4
83415Y-AC-4	SOLARAY LLC SR-UNSEC 09/08/23		04/01/2019	Redemption 100.0000		12,272	12,272	12,272	12,272						12,272				147	09/08/2023	4
83415Y-AE-0	SOLARAY LLC SR-UNSEC 09/08/23		04/01/2019	Redemption 100.0000		10,549	10,549	10,549	7,826						10,549				168	09/08/2023	4
84763N-AB-6	KPEX HOLDINGS INC KPEX HOLDINGS INC 01/31/25		06/28/2019	Redemption 100.0000		19,508	19,508	19,484	19,486		22		22		19,508				491	01/31/2025	4FE
84850X-AG-7	SPIN HOLDCO INC SPIN HOLDCO INC 11/14/22		06/28/2019	Redemption 100.0000		104,152	104,152	104,717	104,620		(468)		(468)		104,152				3,090	11/14/2022	4FE
855031-AP-5	STERLING MIDCO HLDGS INC STERLING MIDCO HLDGS INC 09/12/24		04/25/2019	Taxable Exchange 100.0000		48,440,331	49,375,000	49,251,563	49,270,028		5,740		5,740		49,275,767		(835,436)	(835,436)	1,368,848	09/12/2024	4FE
85940X-AC-5	SURGERY CENTER HOLDINGS INC SURGERY CENTER HOLDINGS INC 06/19/24		06/28/2019	Redemption 100.0000		109,746	109,746	110,036	109,992		(246)		(246)		109,746				1,848	06/19/2024	4FE
86880N-AU-7	VISTRA OPERATIONS CO LLC VISTRA OPERATIONS CO LLC 08/04/23		06/28/2019	Redemption 100.0000		54,219	54,219	54,204	54,207		13		13		54,219				972	09/03/2024	4FE
87239P-AD-6	TALen ENERGY SUPPLY LLC TALen ENERGY SUPPLY LLC 07/14/23		06/11/2019	Redemption 100.0000		2,521,248	2,521,248	2,528,871	2,527,605		(6,357)		(6,357)		2,521,248				42,192	08/04/2023	2FE
87422L-AK-6	TEAM HEALTH HOLDINGS INC TEAM HEALTH HOLDINGS INC 02/06/24		05/21/2019	Redemption 100.0000		3,354,167	3,354,167	3,333,203	3,338,167		16,000		16,000		3,354,167				74,500	07/14/2023	3FE
87817J-AE-8	TEMPO ACQUISITION LLC TEMPO ACQUISITION LLC 05/01/24		06/28/2019	Redemption 100.0000		50,000	50,000	49,859	49,890		110		110		50,000				1,151	05/01/2024	4FE
88023H-AC-4	XPERI CORP XPERI CORP 12/01/23		06/28/2019	Redemption 100.0000		711,370	711,370	710,878	710,768		602		602		711,370				14,098	12/01/2023	4FE
88233F-AK-6	TINICUM VOLTAGE INTERMEDIATE H SR-UNSEC 11/22/24		06/11/2019	Redemption 100.0000		31,500	31,500	31,185	31,224		276		276		31,500				691	11/22/2024	4
89334G-AU-8	TRANS UNION LLC TRANS UNION LLC 04/07/23		06/28/2019	Redemption 100.0000		2,337,866	2,337,866	2,337,539	2,337,609		257		257		2,337,866				33,888	04/07/2023	3FE
89334G-AV-6	TRANS UNION LLC TRANS UNION LLC 06/19/25		06/28/2019	Redemption 100.0000		14,750	14,750	14,713	14,715		35		35		14,750				227	06/19/2025	3FE
89364M-BM-5	TRANSDIGM INC TRANSDIGM INC 08/22/24		06/28/2019	Redemption 100.0000		17,588	17,588	17,588	17,588						17,588				274	08/22/2024	4FE
89364M-BN-3	TRANSDIGM INC TRANSDIGM INC 05/30/25		06/28/2019	Redemption 100.0000		7,519	7,519	7,519	7,519						7,519				96	05/30/2025	4FE
89364M-BP-8	TRANSPORTATION INSIGHT LLC SR-UNSEC 12/18/24		06/28/2019	Redemption 100.0000		69,875	69,875	69,692	69,711		164		164		69,875				987	06/09/2023	4FE
89388H-AB-3	TRICORBRAUN INC TRICORBRAUN INC 11/30/23		04/01/2019	Redemption 100.0000		31,757	31,757	31,330	19,612		376		376		31,757				499	11/30/2023	4FE
89705D-AD-4	TRONOX FINANCE LLC TRONOX FINANCE LLC 09/23/24		06/28/2019	Redemption 100.0000		1,433,110	1,433,110	1,432,614	978,416		281		281		1,433,110				13,467	09/23/2024	3FE
89705D-AE-2	TRUROAD HLDGS INC SR-UNSEC 08/07/24		04/29/2019	Taxable Exchange 100.0000		8,771,336	8,754,876	8,742,823	8,744,710		460		460		8,745,171		26,165	26,165	89,663	09/23/2024	3FE
89823#-AA-2	TRUROAD HLDGS INC SR-UNSEC 08/07/24		06/28/2019	Redemption 100.0000		42,820	42,820	42,392	42,415		406		406		42,820				1,570	08/07/2024	5
89823#-AC-8	ALLIED UNIVERSAL HOLDCO LLC ALLIED UNIVERSAL HOLDCO LLC 07/28/22		06/28/2019	Redemption 100.0000		2,141	2,141	2,141	2,141						2,141				88	08/07/2024	4Z
90350V-AC-2			06/28/2019	Redemption 100.0000		181,167	181,167	181,431	181,355		(189)		(189)		181,167				4,122	07/28/2022	4FE

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
90351N-AE-5	US1 INC/NY US1 INC/NY 05/16/24		06/28/2019	Redemption 100.0000		146,906	146,906	146,611	146,652		254		254		146,906				4,164	05/16/2024	4FE
90352Y-AD-2	USRP HLDGS INC SR-UNSEC 03/29/23		05/30/2019	Redemption 100.0000		62,500	62,500	62,500	62,500						62,500				1,145	03/29/2023	3PL
90372@-AA-7	US RADIOLOGY SPECIALISTS INC SR-UNSEC 01/01/24		06/28/2019	Redemption 100.0000		29,428	29,428	29,208	29,238		190		190		29,428				999	01/01/2024	2PL
90388H-AB-1	ULTRA RESOURCES INC ULTRA RESOURCES INC 04/12/24		06/28/2019	Redemption 100.0000		90,813	90,813	89,905	90,041		713		713		90,813				3,302	04/12/2024	4FE
91335P-AE-9	UNIVAR USA INC UNIVAR USA INC 07/01/24		04/03/2019	Redemption 100.0000		5,391,862	5,391,862	5,397,739	5,396,635		(4,773)		(4,773)		5,391,862				61,258	07/01/2024	3FE
91865F-AF-6	VACO HLDGS LLC SR-UNSEC 11/09/22		05/14/2019	Redemption 100.0000		2,220,000	2,220,000	2,220,000							2,220,000					11/09/2022	5GI
91865F-AG-4	VACO HLDGS LLC SR-UNSEC 11/09/23		04/01/2019	Redemption 100.0000		187,500	187,500	186,563	186,704		796		796		187,500				3,160	11/09/2023	2PL
92261#-AA-5	VELOCITY TECHNOLOGY SOLUTIONS SR-UNSEC 12/07/23		06/28/2019	Redemption 100.0000		50,000	50,000	49,500	49,569		431		431		50,000				1,957	12/07/2023	3PL
92346N-AB-5	VERIFONE SYSTEMS INC VERIFONE SYSTEMS INC 08/20/25		04/30/2019	Redemption 100.0000		13,300	13,300	13,234	13,234		66		66		13,300				372	08/20/2025	4FE
92532Y-AB-5	VERSUM MATERIALS INC VERSUM MATERIALS INC 09/29/23		06/28/2019	Redemption 100.0000		19,642	19,642	19,764	19,745		(103)		(103)		19,642				459	09/29/2023	3FE
92556*-AA-3	VETERINARY SPECIALISTS OF NORT SR-UNSEC 07/15/21		04/01/2019	Redemption 100.0000		8,613,378	8,613,378	8,521,627	8,560,456		52,921		52,921		8,613,378				141,764	07/15/2021	5GI
92556*-AB-1	VETERINARY SPECIALISTS OF NORT SR-UNSEC 07/15/21		04/01/2019	Redemption 100.0000		4,555,431	4,555,431	4,555,431	4,555,431						4,555,431				70,830	07/15/2021	3PL
92940J-AB-4	WR GRACE & CO-CONN WR GRACE & CO-CONN 04/03/25		06/28/2019	Redemption 100.0000		10,976	10,976	10,962	10,963		13		13		10,976				122	04/03/2025	3FE
92940J-AD-0	WR GRACE & CO-CONN WR GRACE & CO-CONN 04/03/25		06/28/2019	Redemption 100.0000		18,816	18,816	18,792	18,794		21		21		18,816				400	04/03/2025	3FE
93710H-AC-2	WASH MULTIFAMILY LAUNDRY SYS WASH MULTIFAMILY LAUNDRY SYS 05/16/22		06/28/2019	Redemption 100.0000		74,739	74,739	74,288	74,478		260		260		74,739				1,469	05/16/2022	4FE
93710H-AE-8	WASH MULTIFAMILY LAUNDRY SYS WASH MULTIFAMILY LAUNDRY SYS 05/15/23		06/27/2019	MORGAN STANLEY & CO. INC.		1,945,000	2,000,000	1,854,313	1,898,338		9,365		9,365		1,907,703		37,297	37,297	66,983	05/15/2023	5FE
93710H-AG-3	WASH MULTIFAMILY LAUNDRY SYS WASH MULTIFAMILY LAUNDRY SYS 05/16/22		06/28/2019	Redemption 100.0000		10,415	10,415	10,343	10,374		41		41		10,415				195	05/16/2022	4FE
95841#-AB-5	WIRB CORPERNICUS GROUP INC SR-UNSEC 08/15/22		06/28/2019	Redemption 100.0000		38,773	38,773	38,527	37,344		200		200		38,773				1,010	08/15/2022	5
95841#-AD-1	WIRB CORPERNICUS GROUP INC SR-UNSEC 08/15/22		05/08/2019	Tax Free Exchange		462,000	462,000	462,000							462,000					08/15/2022	4Z
96208U-AM-3	WEX INC WEX INC 06/30/23		05/21/2019	Tax Free Exchange		46,346,956	46,125,256	46,396,996	46,352,403		(5,447)		(5,447)		46,346,956				730,555	06/30/2023	3FE
96208U-AP-6	WEX INC WEX INC 05/17/26		06/28/2019	Redemption 100.0000		115,313	115,313	115,867			(554)		(554)		115,313				633	05/17/2026	3FE
96925H-AF-9	WILLIAM MORRIS ENDEAVOR EN WILLIAM MORRIS ENDEAVOR EN 05/16/25		06/28/2019	Redemption 100.0000		14,375	14,375	14,370	14,371		4		4		14,375				512	05/16/2025	4FE
98160U-AC-7	WORLDWIDE CLINICAL TRIALS HLDG SR-UNSEC 12/05/24		06/28/2019	Redemption 100.0000		62,500	62,500	61,875	61,952		548		548		62,500				889	12/05/2024	3PL
98310C-AC-6	WYNDHAM HOTELS & RESORTS WYNDHAM HOTELS & RESORTS 05/30/25		06/28/2019	Redemption 100.0000		16,813	16,813	16,813	16,813						16,813				266	05/30/2025	2FE
98975V-AG-1	ZODIAC POOL SOLUTIONS ZODIAC POOL SOLUTIONS 07/02/25		06/28/2019	Redemption 100.0000		30,922	30,922	31,019	31,013		(91)		(91)		30,922				506	07/02/2025	3FE
BL2358-35-8	EXAMWORKS GROUP INC EXAMWORKS GROUP INC 07/27/23		06/28/2019	Redemption 100.0000		26,438	26,438	26,667	26,613		(175)		(175)		26,438				636	07/27/2023	4FE
BL2650-13-5	CHG PPC PARENT LLC CHG PPC PARENT LLC 03/31/25		06/28/2019	Redemption 100.0000		8,375	8,375	8,354	8,356		19		19		8,375				172	03/31/2025	4FE
BL2698-05-0	HAMILTON HOLDCO LLC HAMILTON HOLDCO LLC 07/02/25		06/28/2019	Redemption 100.0000		51,875	51,875	51,745	51,751		124		124		51,875				1,214	07/02/2025	3FE
BL2773-16-8	FRONTDOOR INC FRONTDOOR INC 08/14/25		06/28/2019	Redemption 100.0000		19,750	19,750	19,701	19,702		48		48		19,750				358	08/14/2025	4FE



STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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 and Admini- strative Symbol /Market Indicator (a)
..C9413P-AZ-6	BAUSCH HEALTH AMERICAS BAUSCH HEALTH AMERICAS 06/02/25		06/28/2019	Redemption 100.0000		130,685	130,685	131,165	131,129		(444)		(444)		130,685				3,631	06/02/2025	3FE
..Z00061-79-8	VETERINARY SPECIALISTS OF NORT SR-UNSEC 07/15/21		04/01/2019	Redemption 100.0000		3,519,916	3,519,916	3,519,916	3,155,464						3,519,916				52,637	07/15/2021	561
..Z00065-08-8	NORTH HAVEN CA HLDGS INC SR-UNSEC 10/01/23		06/18/2019	Redemption 100.0000		2,627,339	2,627,339	2,627,339							2,627,339					10/01/2023	4Z
..Z00066-86-2	FLIGHT BUYER LLC SR-UNSEC 04/08/26		06/28/2019	Redemption 100.0000		30,000	30,000	30,000							30,000				478	04/08/2026	4Z
..Z00066-87-0	FLIGHT BUYER LLC SR-UNSEC 04/08/26 E-TECHNOLOGIES GROUP LLC SR-UNSEC		06/28/2019	Redemption 100.0000		1,500	1,500	1,500							1,500				7	04/08/2026	4Z
..Z00066-89-6	04/08/24		06/28/2019	Redemption 100.0000		29,500	29,500	29,205			295		295		29,500				475	04/08/2024	4Z
..Z00067-76-1	HILB GROUP LLC-THE DDTL B 06/24/21 OPEN TEXT CORP OPEN TEXT CORP		06/28/2019	Redemption 100.0000		2,762	2,762	2,762							2,762					06/24/2021	4Z
..68371Y-AJ-2	05/30/25	A	06/28/2019	Redemption 100.0000		12,500	12,500	12,531	12,529		(29)		(29)		12,500				182	05/30/2025	2FE
..BL2355-92-5	ARRAY CANADA INC ARRAY CANADA INC 02/10/23	A	06/28/2019	Redemption 100.0000		128,125	128,125	126,844	127,198		927		927		128,125				4,906	02/10/2023	4FE
..C6901L-AE-7	1011778 BC ULC 1011778 BC ULC 02/16/24	A	06/28/2019	Redemption 100.0000		133,697	133,697	133,583	133,608		89		89		133,697				2,939	02/16/2024	3FE
..C7052B-AF-1	GFL ENVIRONMENTAL INC GFL ENVIRONMENTAL INC 05/31/25	A	06/28/2019	Redemption 100.0000		113,644	113,644	111,558	69,883		2,064		2,064		113,644				2,082	05/31/2025	4FE
..C7236#-AA-2	PET HLDGS ULC SR-UNSEC 07/05/22	A	04/01/2019	Redemption 100.0000		44,878	44,878	44,304	44,426		452		452		44,878				876	07/05/2022	2PL
..C7236#-AB-0	PET HLDGS ULC SR-UNSEC 07/05/22	A	04/01/2019	Redemption 100.0000		6,648	6,648	6,606	6,611		36		36		6,648				59	07/05/2022	2PL
..78466D-BE-3	SS&C EUROPEAN HOLDINGS SARL SS&C EUROPEAN HOLDINGS SARL 04/16/25	D	06/28/2019	Redemption 100.0000		133,951	133,951	133,616	133,645		306		306		133,951				1,741	04/16/2025	3FE
..81726J-AE-1	SENSATA TECHNOLOGIES BV SENSATA TECHNOLOGIES BV 10/14/21	D	06/28/2019	Redemption 100.0000		22,637	22,637	22,702	22,684		(47)		(47)		22,637				474	10/14/2021	2FE
..BL2272-69-0	ALPHA 3 BV ALPHA 3 BV 01/31/24	D	06/28/2019	Redemption 100.0000		24,173	24,173	24,112	24,127		46		46		24,173				63	01/31/2024	4FE
..BL2353-30-0	VGROUP LTD VGROUP LTD 03/11/24	D	06/28/2019	Redemption 100.0000		30,282	30,282	30,332	30,319		(37)		(37)		30,282				569	03/11/2024	4FE
..BL2410-28-2	ENDO INTERNATIONAL PLC ENDO INTERNATIONAL PLC 04/29/24	D	06/28/2019	Redemption 100.0000		8,313	8,313	8,271	8,280		33		33		8,313				92	04/29/2024	3FE
..BL2410-28-2	ENDO INTERNATIONAL PLC ENDO INTERNATIONAL PLC 04/29/24	D	06/28/2019	Redemption 100.0000		8,313	8,313	8,271	8,280		33		33		8,313				164	04/29/2024	4FE
..BL2651-41-4	TITAN ACQUISITION LTD TITAN ACQUISITION LTD 03/28/25	D	06/28/2019	Redemption 100.0000		21,938	21,938	21,883	21,888		50		50		21,938				416	03/28/2025	4FE
..BL2756-29-6	AURIS LUXEMBOURG III SA AURIS LUXEMBOURG III SA 02/21/26	D	06/28/2019	Redemption 100.0000		35,688	35,688	35,509			178		178		35,688				192	02/21/2026	4FE
..L9339L-AG-8	TRINSEO MATERIALS OPERATING TRINSEO MATERIALS OPERATING 09/09/24	D	06/28/2019	Redemption 100.0000		18,001	18,001	17,827	5,394		180		180		18,001				271	09/09/2024	3FE
8299999. Subtotal - Bonds - Bank Loans						489,961,512	500,018,588	499,389,182	469,618,504		592,236		592,236		500,141,876		(10,180,365)	(10,180,365)	8,922,718	XXX	XXX
8399997. Total - Bonds - Part 4						5,557,599,473	4,870,494,363	5,413,070,175	5,203,290,241	12,043,796	40,992,945	44,423,302	8,613,439	124,276	5,476,980,307	99,604	60,770,293	60,869,897	141,703,050	XXX	XXX
8399998. Total - Bonds - Part 5						XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
8399999. Total - Bonds						5,557,599,473	4,870,494,363	5,413,070,175	5,203,290,241	12,043,796	40,992,945	44,423,302	8,613,439	124,276	5,476,980,307	99,604	60,770,293	60,869,897	141,703,050	XXX	XXX
8999997. Total - Preferred Stocks - Part 4							XXX													XXX	XXX
8999998. Total - Preferred Stocks - Part 5						XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
8999999. Total - Preferred Stocks							XXX													XXX	XXX
..05338G-10-6	AVALAR AVALARA INC		06/18/2019	MERRILL LYNCH PERCE FENER SMITH	6,390.000	450,743		441,185									9,558	9,558			V
..729136-40-8	PLIANT CORP PLIANT CORP		04/26/2019	REMOVED	0.000																V

## SCHEDULE D - PART 4

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	Foreign	Disposal Date	Name of Purchaser	Number of Shares of Stock	Consideration	Par Value	Actual Cost	Prior Year Book/ Adjusted Carrying Value	Unrealized Valuation Increase/ (Decrease)	Current Year's (Amortization)/ Accretion	Current Year's Other Than Temporary Impairment Recognized	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 Contractual Maturity Date	NAIC Designation and Administrative Symbol /Market Indicator (a)
.923451-10-8 ZD5100-00-7	Veritex holding VERITEX HOLDINGS INC FEDERAL HOME LOAN BANK MEMBERSHIP STOCK		06/19/2019 06/28/2019	MERRIL LYNCH PERCE FENER SMITH FEDERAL HOME LOAN BANK CASH RECVD FOR SEC NOT	129,596,000 7,127,100,000	3,449,985 712,710,000		3,403,200 712,710,000							3,403,200 712,710,000		46,785	46,785	1,771		L V
ZD4106-24-5 ZD4106-24-5	NEW POINT VII LIMITED NEW POINT VII LIMITED	D D	05/28/2019 05/28/2019	HELD Capital Distribution	1,000 0.000	113,443 33,643			27 33,643	(27)			(27)		33,643		113,443	113,443	22		V
9099999	Subtotal - Common Stocks - Industrial and Miscellaneous (Unaffiliated)					716,757,814	XXX	716,588,028	33,670	(27)			(27)		716,146,843		169,786	169,786	1,793	XXX	XXX
.68062#-10-8 60407*-10-3 87226#-10-3	OLEUM HOLDING COMPANY, INC. ND Properties, Inc. T-C Europe Holding, Inc.		06/26/2019 06/30/2019 06/30/2019	Teachers Insurance and Annuity Association of America Issuer Issuer	0.000 68,000 1,000	3,914,661 13,806,317 44,879									13,806,317 44,879						K K
9199999	Subtotal - Common Stocks - Parent, Subsidiaries and Affiliates					17,765,857	XXX	13,851,196	13,851,196						13,851,196					XXX	XXX
.670700-75-6 .67092P-20-1 .670700-76-4 .670700-77-2 .670700-78-0 .67092P-20-1 .67092P-30-0 .67092P-40-9 .67092P-50-8 .67092P-60-7 .67092P-70-6 .67092P-87-0	NUVEEN INVESTMENTS NUV MULTI-ASSET INF FD CLRG NUVEEN INVESTMENTS NUV MULTI-ASSET INC FD CL I NUVEEN INVESTMENTS NUV MULTI-ASSET INC FD CL C NUVEEN INVESTMENTS NUV MULTI-ASSET INC FD CL A NULG NUVEEN ESG LARGE-CAP GROWTH NULV NUVEEN ESG LARGE-CAP VALUE E NUMG NUVEEN ESG MID-CAP GROWTH ET NUMV NUVEEN ESG MID-CAP VALUE ETF NUSC NUVEEN ESG SMALL-CAP ETF NURE NUVEEN SHORT-TERM REIT ETF NUBD NUVEEN ESG US AGGREGATE BOND		05/17/2019 05/17/2019 05/17/2019 05/17/2019 05/31/2019 06/18/2019 06/27/2019 06/27/2019 06/18/2019 06/27/2019 06/27/2019	BFDS BROKER BFDS BROKER BFDS BROKER BFDS BROKER JANE STREET Various Various JANE STREET Various SUSQUEHANA FINANCIAL GROUP LL SUSQUEHANA FINANCIAL GROUP LL	1,250,000 496,291,000 1,250,000 1,250,000 517,000,000 750,000,000 450,000,000 200,000,000 725,000,000 150,000,000 250,000,000	24,923 9,894,495 24,881 24,904 18,550,496 22,048,394 14,717,725 5,609,904 20,344,189 4,315,411 6,327,369		25,000 9,925,000 25,000 25,000 15,556,530 20,827,312 12,499,176 4,767,960 19,777,681 3,904,500 6,272,558	23,975 9,518,075 23,950 23,963 15,556,530 19,613,625 11,799,675 320,675 17,935,703 3,748,500 6,065,000	1,025 406,925 1,050 1,038 (127,382) 1,213,687 699,501 320,675 1,841,979 156,000 207,558			1,025 406,925 1,050 1,038 (127,382) 1,213,687 699,501 320,675 1,841,979 156,000 207,558			(77) (30,505) (119) (96) 3,121,348 1,221,082 2,218,549 521,269 566,508 410,911 54,812	(77) (30,505) (119) (96) 3,121,348 1,221,082 2,218,549 521,269 566,508 410,911 54,812	1,289 511,826 1,178 1,262 3,121,348 1,221,082 2,218,549 521,269 566,508 41,625 71,475			L L L L L L L L L L L
9299999	Subtotal - Common Stocks - Mutual Funds					101,882,691	XXX	93,799,010	89,076,956	4,722,056			4,722,056		93,799,010		8,083,682	8,083,682	628,655	XXX	XXX
9799997	Total - Common Stocks - Part 4					836,406,362	XXX	824,238,234	102,961,822	4,722,029			4,722,029		823,797,049		8,253,468	8,253,468	630,448	XXX	XXX
9799998	Total - Common Stocks - Part 5					XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
9799999	Total - Common Stocks					836,406,362	XXX	824,238,234	102,961,822	4,722,029			4,722,029		823,797,049		8,253,468	8,253,468	630,448	XXX	XXX
9899999	Total - Preferred and Common Stocks					836,406,362															

E05.78

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART A - SECTION 1

Showing all Options, Caps, Floors, Collars, Swaps and Forwards Open as of Current Statement Date

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Description	Description of Item(s) Hedged, Used for Income Generation or Replicated	Schedule/ Exhibit Identifier	Type(s) of Risk(s) (a)	Exchange, Counterparty or Central Clearinghouse	Trade Date	Date of Maturity or Expiration	Number of Contracts	Notional Amount	Strike Price, Rate or Index Received (Paid)	Cumulative Prior Year(s) Initial Cost of Un-discounted Premium (Received) Paid	Current Year Initial Cost of Un-discounted Premium (Received) Paid	Current Year Income	Book/ Adjusted Carrying Value	Code	Fair Value	Unrealized Valuation Increase/ (Decrease)	Total Foreign Exchange Change in B./A.C.V.	Current Year's (Amorti-zation)/ Accretion	Adjustment to Carrying Value of Hedged Item	Potential Exposure	Credit Quality of Refer-ence Entity	Hedge Effectiveness at Inception and at Quarter-end (b)
0079999999. Subtotal - Purchased Options - Hedging Effective														XXX							XXX	XXX
0149999999. Subtotal - Purchased Options - Hedging Other														XXX							XXX	XXX
0219999999. Subtotal - Purchased Options - Replications														XXX							XXX	XXX
0289999999. Subtotal - Purchased Options - Income Generation														XXX							XXX	XXX
0359999999. Subtotal - Purchased Options - Other														XXX							XXX	XXX
0369999999. Total Purchased Options - Call Options and Warrants														XXX							XXX	XXX
0379999999. Total Purchased Options - Put Options														XXX							XXX	XXX
0389999999. Total Purchased Options - Caps														XXX							XXX	XXX
0399999999. Total Purchased Options - Floors														XXX							XXX	XXX
0409999999. Total Purchased Options - Collars														XXX							XXX	XXX
0419999999. Total Purchased Options - Other														XXX							XXX	XXX
0429999999. Total Purchased Options														XXX							XXX	XXX
0499999999. Subtotal - Written Options - Hedging Effective														XXX							XXX	XXX
0569999999. Subtotal - Written Options - Hedging Other														XXX							XXX	XXX
0639999999. Subtotal - Written Options - Replications														XXX							XXX	XXX
0709999999. Subtotal - Written Options - Income Generation														XXX							XXX	XXX
0779999999. Subtotal - Written Options - Other														XXX							XXX	XXX
0789999999. Total Written Options - Call Options and Warrants														XXX							XXX	XXX
0799999999. Total Written Options - Put Options														XXX							XXX	XXX
0809999999. Total Written Options - Caps														XXX							XXX	XXX
0819999999. Total Written Options - Floors														XXX							XXX	XXX
0829999999. Total Written Options - Collars														XXX							XXX	XXX
0839999999. Total Written Options - Other														XXX							XXX	XXX
0849999999. Total Written Options														XXX							XXX	XXX
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810R10	D-1	INTEREST RATE	CITIBANK NA E570DZIWZ7FF32TWEFA76	.05/22/2017	.02/15/2047		25,000,000	3.42 /(FLT.)			312,263			165,931					652,641		100/100
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810R10	D-1	INTEREST RATE	MORGAN STANLEY CAPITAL SERVICE 17331LVCZKQKX5T7XV54	.05/24/2017	.02/15/2047		50,000,000	3.435 /(FLT.)			622,034			3,116					1,295,766		100/100
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810R10	D-1	INTEREST RATE	CITIBANK NA E570DZIWZ7FF32TWEFA76	.06/07/2017	.02/15/2047		25,000,000	3.2885 /(FLT.)			298,657			(321,375)					656,983		100/100
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810R10	D-1	INTEREST RATE	CITIBANK NA E570DZIWZ7FF32TWEFA76	.06/19/2017	.02/15/2047		25,000,000	3.2175 /(FLT.)			286,387			(969,342)					651,428		100/100
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810R10	D-1	INTEREST RATE	CITIBANK NA E570DZIWZ7FF32TWEFA76	.06/28/2017	.02/15/2047		25,000,000	3.251 /(FLT.)			294,378			(490,811)					657,639		100/100
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810R10	D-1	INTEREST RATE	JP MORGAN CHASE BANK NA 7H6GLXORUGOFU57RNE97	.06/28/2017	.02/15/2047		25,000,000	3.241 /(FLT.)			293,768			(494,123)					658,679		100/100
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810R10	D-1	INTEREST RATE	CITIBANK NA E570DZIWZ7FF32TWEFA76	.07/03/2017	.02/15/2047		25,000,000	3.3125 /(FLT.)			294,982			(711,630)					646,388		100/100
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810R10	D-1	INTEREST RATE	MORGAN STANLEY CAPITAL SERVICE 17331LVCZKQKX5T7XV54	.07/07/2017	.02/15/2047		25,000,000	3.438 /(FLT.)			304,329			(515,045)					637,089		100/100
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810R10	D-1	INTEREST RATE	CITIBANK NA E570DZIWZ7FF32TWEFA76	.07/13/2017	.02/15/2047		25,000,000	3.425 /(FLT.)			305,556			(368,108)					641,391		100/100
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810R10	D-1	INTEREST RATE	CITIBANK NA E570DZIWZ7FF32TWEFA76	.07/19/2017	.02/15/2047		25,000,000	3.3525 /(FLT.)			304,869			(117,064)					654,184		100/100

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART A - SECTION 1

Showing all Options, Caps, Floors, Collars, Swaps and Forwards Open as of Current Statement Date

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Description	Description of Item(s) Hedged, Used for Income Generation or Replicated	Schedule/ Exhibit Identifier	Type(s) of Risk(s) (a)	Exchange, Counterparty or Central Clearinghouse	Trade Date	Date of Maturity or Expiration	Number of Contracts	Notional Amount	Strike Price, Rate or Index Received (Paid)	Cumulative Prior Year(s) Initial Cost of Un-discounted Premium (Received) Paid	Current Year Initial Cost of Un-discounted Premium (Received) Paid	Current Year Income	Book/ Adjusted Carrying Value	Code	Fair Value	Unrealized Valuation Increase/ (Decrease)	Total Foreign Exchange Change in B./A.C.V.	Current Year's (Amortization)/ Accretion	Adjustment to Carrying Value of Hedged Item	Potential Exposure	Credit Quality of Reference Entity	Hedge Effectiveness at Inception and at Quarter-end (b)
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RIW0	D-1	INTEREST RATE	CITIBANK NA E570DZIWZ7FF32TWEFA76	.07/25/2017	.02/15/2047		.50,000,000	3.395 /(FLT.)			608,010			(725,969)					1,289,313		100/100
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RIW0	D-1	INTEREST RATE	MORGAN STANLEY CAPITAL SERVICE 17331LVC2KQKX5T7XV54	.08/08/2017	.02/15/2047		.25,000,000	3.401 /(FLT.)			311,673			200,600					655,375		100/100
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RIW0	D-1	INTEREST RATE	CITIBANK NA E570DZIWZ7FF32TWEFA76	.08/28/2017	.02/15/2047		.25,000,000	3.3025 /(FLT.)			302,274			(101,655)					659,957		100/100
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RIW0	D-1	INTEREST RATE	MORGAN STANLEY CAPITAL SERVICE 17331LVC2KQKX5T7XV54	.09/11/2017	.02/15/2047		.25,000,000	3.286 /(FLT.)			309,909			566,031					675,488		100/100
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RIW0	D-1	INTEREST RATE	CITIBANK NA E570DZIWZ7FF32TWEFA76	.09/12/2017	.02/15/2047		.15,600,000	3.305 /(FLT.)			193,089			277,190					418,613		100/100
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RIW0	D-1	INTEREST RATE	CITIBANK NA E570DZIWZ7FF32TWEFA76	.09/12/2017	.02/15/2047		.9,400,000	3.305 /(FLT.)			116,348			167,025					252,241		100/100
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RIW0	D-1	INTEREST RATE	MORGAN STANLEY CAPITAL SERVICE 17331LVC2KQKX5T7XV54	.09/18/2017	.02/15/2047		.25,000,000	3.325 /(FLT.)			313,769			691,544					673,670		100/100
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RIW0	D-1	INTEREST RATE	CITIBANK NA E570DZIWZ7FF32TWEFA76	.09/20/2017	.02/15/2047		.25,000,000	3.365 /(FLT.)			311,477			339,187					662,079		100/100
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RIW0	D-1	INTEREST RATE	MORGAN STANLEY CAPITAL SERVICE 17331LVC2KQKX5T7XV54	.09/27/2017	.02/15/2047		.25,000,000	3.4 /(FLT.)			315,871			527,037					662,060		100/100
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RIW0	D-1	INTEREST RATE	CITIBANK NA E570DZIWZ7FF32TWEFA76	.09/27/2017	.02/15/2047		.25,000,000	3.401 /(FLT.)			315,323			475,252					661,018		100/100
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RIW0	D-1	INTEREST RATE	JP MORGAN CHASE BANK NA 7H6GLXDRUGOFU57RNE97	.09/27/2017	.02/15/2047		.25,000,000	3.415 /(FLT.)			316,001			473,229					659,352		100/100
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RIW0	D-1	INTEREST RATE	JP MORGAN CHASE BANK NA 7H6GLXDRUGOFU57RNE97	.09/27/2017	.02/15/2047		.25,000,000	3.405 /(FLT.)			314,747			419,503					659,352		100/100
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RIW0	D-1	INTEREST RATE	CITIBANK NA E570DZIWZ7FF32TWEFA76	.09/29/2017	.02/15/2047		.25,000,000	3.4125 /(FLT.)			315,201			422,481					658,602		100/100
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RIW0	D-1	INTEREST RATE	CITIBANK NA E570DZIWZ7FF32TWEFA76	.10/04/2017	.02/15/2047		.35,000,000	3.412 /(FLT.)			438,947			415,552					918,580		100/100
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RIW0	D-1	INTEREST RATE	JP MORGAN CHASE BANK NA 7H6GLXDRUGOFU57RNE97	.10/05/2017	.02/15/2047		.25,000,000	3.41375 /(FLT.)			313,263			268,721					655,376		100/100
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RIW0	D-1	INTEREST RATE	CITIBANK NA E570DZIWZ7FF32TWEFA76	.10/06/2017	.02/15/2047		.25,000,000	3.449 /(FLT.)			314,581			222,428					650,688		100/100
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RIW0	D-1	INTEREST RATE	MORGAN STANLEY CAPITAL SERVICE 17331LVC2KQKX5T7XV54	.10/26/2017	.02/15/2047		.25,000,000	3.435 /(FLT.)			312,970			157,477					650,874		100/100
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RIW0	D-1	INTEREST RATE	CITIBANK NA E570DZIWZ7FF32TWEFA76	.11/03/2017	.02/15/2047		.25,000,000	3.289 /(FLT.)			304,775			152,568					666,664		100/100
ASSET SWAP - RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RIW0	D-1	INTEREST RATE	CITIBANK NA E570DZIWZ7FF32TWEFA76	.11/09/2017	.02/15/2047		.25,000,000	3.2625 /(FLT.)			306,161			379,697					674,313		100/100

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART A - SECTION 1

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Description	Description of Item(s) Hedged, Used for Income Generation or Replicated	Schedule/ Exhibit Identifier	Type(s) of Risk(s) (a)	Exchange, Counterparty or Central Clearinghouse	Trade Date	Date of Maturity or Expiration	Number of Contracts	Notional Amount	Strike Price, Rate or Index Received (Paid)	Cumulative Prior Year(s) Initial Cost of Un-discounted Premium (Received) Paid	Current Year Initial Cost of Un-discounted Premium (Received) Paid	Current Year Income	Book/ Adjusted Carrying Value	Code	Fair Value	Unrealized Valuation Increase/ (Decrease)	Total Foreign Exchange Change in B./A.C.V.	Current Year's (Amortization)/ Accretion	Adjustment to Carrying Value of Hedged Item	Potential Exposure	Credit Quality of Reference Entity	Hedge Effectiveness at Inception and at Quarter-end (b)
ASSET SWAP – RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RWO	D-1	INTEREST RATE	CITIBANK NA E570DZIWZ7FF32TWEFA76	.12/20/2017	.02/15/2047		25,000,000	3.342 /(FLT.)			317,782			926,753					676,556		100/100
ASSET SWAP – RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RWO	D-1	INTEREST RATE	CITIBANK NA E570DZIWZ7FF32TWEFA76	.12/20/2017	.02/15/2047		25,000,000	3.335 /(FLT.)			316,482			857,240					675,926		100/100
ASSET SWAP – RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RWO	D-1	INTEREST RATE	CITIBANK NA E570DZIWZ7FF32TWEFA76	.02/07/2018	.02/15/2047		25,000,000	3.6025 /(FLT.)			340,174			1,530,134					660,318		100/100
ASSET SWAP – RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RWO	D-1	INTEREST RATE	BANK OF AMERICA NA B4TYDEB6GKMZ0031MB27	.02/08/2018	.02/15/2047		25,000,000	3.665 /(FLT.)			343,783			1,551,385					654,235		100/100
ASSET SWAP – RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RWO	D-1	INTEREST RATE	CITIBANK NA E570DZIWZ7FF32TWEFA76	.02/09/2018	.02/15/2047		25,000,000	3.665 /(FLT.)			342,469			1,453,734					652,350		100/100
ASSET SWAP – RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RWO	D-1	INTEREST RATE	BANK OF AMERICA NA B4TYDEB6GKMZ0031MB27	.02/20/2018	.02/15/2047		25,000,000	3.6625 /(FLT.)			339,070			1,210,878					647,915		100/100
ASSET SWAP – RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RWO	D-1	INTEREST RATE	BANK OF AMERICA NA B4TYDEB6GKMZ0031MB27	.02/21/2018	.02/15/2047		25,000,000	3.69 /(FLT.)			338,964			1,097,175					642,936		100/100
ASSET SWAP – RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RWO	D-1	INTEREST RATE	MORGAN STANLEY CAPITAL SERVICE 17331LVCZKQKX5T7XV54	.02/21/2018	.02/15/2047		25,000,000	3.735 /(FLT.)			341,635			1,124,205					638,950		100/100
ASSET SWAP – RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RWO	D-1	INTEREST RATE	MORGAN STANLEY CAPITAL SERVICE 17331LVCZKQKX5T7XV54	.02/27/2018	.02/15/2047		25,000,000	3.702 /(FLT.)			341,919			1,270,124					645,049		100/100
ASSET SWAP – RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RWO	D-1	INTEREST RATE	CITIBANK NA E570DZIWZ7FF32TWEFA76	.03/16/2018	.02/15/2047		100,000,000	3.632 /(FLT.)			1,356,355			5,326,314					2,613,533		100/100
ASSET SWAP – RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RWO	D-1	INTEREST RATE	BANK OF AMERICA NA B4TYDEB6GKMZ0031MB27	.04/20/2018	.02/15/2047		25,000,000	3.653 /(FLT.)			349,569			2,029,009					664,712		100/100
ASSET SWAP – RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RWO	D-1	INTEREST RATE	CITIBANK NA E570DZIWZ7FF32TWEFA76	.05/17/2018	.02/15/2047		25,000,000	3.7701 /(FLT.)			351,535			1,720,129					646,808		100/100
ASSET SWAP – RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RWO	D-1	INTEREST RATE	CITIBANK NA E570DZIWZ7FF32TWEFA76	.05/23/2018	.02/15/2047		50,000,000	3.69 /(FLT.)			694,918			3,453,097					1,310,082		100/100
ASSET SWAP – RECEIVE FIXED PAY FLOATING	TSY INFL IX N/B United States Treasury In .875 912810RWO	D-1	INTEREST RATE	BANK OF AMERICA NA B4TYDEB6GKMZ0031MB27	.05/23/2018	.02/15/2047		25,000,000	3.691 /(FLT.)			347,584			1,731,886					655,041		100/100
0859999999. Subtotal - Swaps - Hedging Effective - Interest Rate												15,473,851		XXX	26,791,510					31,740,214	XXX	XXX
CURRENCY SWAP – RECEIVE FIXED USD PAY FIXED CAD	109286AA2 BRIGHTON BEACH POWER L.P. SR-SEC 6.924% due 03/31/2024	D-1	Currency.....	BANK OF MONTREAL N0Q6HPONCCU6TUTQYE16	.09/10/2002	.03/31/2024		36,677,500	6.1/(6.924)			(410,893)	(7,308,731)		(9,450,657)		(1,326,579)			399,943		100/100
CURRENCY SWAP – RECEIVE FIXED USD PAY FIXED CAD	221025AB5 CORY COGENERATION FDG CORP B-SR-SEC 7.601% due 06/30/2026	D-1	Currency.....	ROYAL BANK OF CANADA ES71P3U3RH1GC71XBU11	.04/19/2001	.06/30/2026		19,007,134	7.47422/(7.601)			(141,612)	(3,460,923)		(4,494,143)		(749,537)			251,539		100/100
CURRENCY SWAP – RECEIVE FIXED USD PAY FIXED CAD	C41110AB9 GREAT LAKES POWER LTD SR 6.6% due 06/16/2023	D-1	Currency.....	ROYAL BANK OF CANADA ES71P3U3RH1GC71XBU11	.06/09/2003	.06/16/2023		60,987,424	5.8215/(6.6)			(295,459)	(2,531,368)		(5,806,003)		(2,608,743)			607,153		100/100
CURRENCY SWAP – RECEIVE FIXED USD PAY FIXED CAD	S31739AA8 LIEVRE POWER FINANCING CORP. 1-SR-SEC 5.556% due 10/06/2025	D-1	Currency.....	ROYAL BANK OF CANADA ES71P3U3RH1GC71XBU11	.09/30/2005	.10/06/2025		37,068,966	5.8275/(5.556)			170,474	4,233,139		5,460,556		(1,338,610)			464,250		100/100

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART A - SECTION 1

Showing all Options, Caps, Floors, Collars, Swaps and Forwards Open as of Current Statement Date

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Description	Description of Item(s) Hedged, Used for Income Generation or Replicated	Schedule/ Exhibit Identifier	Type(s) of Risk(s) (a)	Exchange, Counterparty or Central Clearinghouse	Trade Date	Date of Maturity or Expiration	Number of Contracts	Notional Amount	Strike Price, Rate or Index Received (Paid)	Cumulative Prior Year(s) Initial Cost of Un-discounted Premium (Received) Paid	Current Year Initial Cost of Un-discounted Premium (Received) Paid	Current Year Income	Book/ Adjusted Carrying Value	Code	Fair Value	Unrealized Valuation Increase/ (Decrease)	Total Foreign Exchange Change in B./A.C.V.	Current Year's (Amortization)/ Accretion	Adjustment to Carrying Value of Hedged Item	Potential Exposure	Credit Quality of Reference Entity	Hedge Effectiveness at Inception and at Quarter-end (b)
CURRENCY SWAP - RECEIVE FIXED USD PAY FIXED CAD .....	C41110AA1 GREAT LAKES POWER LTD SUB-SEC 7.8% due 06/16/2023	D-1 .....	Currency.....	THE BANK OF NOVA SCOTIA .....	09/30/2003	06/16/2023		24,422,735	7.186/(7.8)			(85,382)	(776,761)		(1,709,729)		(1,027,214)			243,138		100/100 .....
CURRENCY SWAP - RECEIVE FIXED USD PAY FIXED CAD .....	66815PAA8 NIERN HYDRO ACQUISITION CO III L SR-UNSEC 3.877% due 12/31/2036	D-1 .....	Currency.....	JP MORGAN CHASE BANK NA .....	03/06/2019	12/31/2036		36,455,621	4.243/(3.877)			478,008	(961,813)		(125,424)		(961,813)			762,912		100/100 .....
CURRENCY SWAP - RECEIVE FIXED USD PAY FIXED CAD .....	66816DAA4 NIERN HYDRO ACQUISITION CO III L SR-UNSEC 3.94% due 12/31/2038	D-1 .....	Currency.....	JP MORGAN CHASE BANK NA .....	03/06/2019	12/31/2038		37,199,613	4.312/(3.94)			495,701	(981,441)		(17,055)		(981,441)			821,720		100/100 .....
CURRENCY SWAP - RECEIVE FIXED USD PAY FIXED EUR .....	AX8956903 ROMANIA UNSEC 3.5% due 04/03/2034	D-1 .....	Currency.....	CREDIT AGRICOLE .....	03/27/2019	04/03/2034		11,253,000	5.8725/(3.5)			64,759	(118,002)		(307,247)		(118,002)			216,235		100/100 .....
CURRENCY SWAP - RECEIVE FIXED USD PAY FIXED EUR .....	ZS0616848 ARAB REPUBLIC OF EGYPT SR UNSEC 6.375% due 04/11/2031	D-1 .....	Currency.....	CREDIT AGRICOLE .....	04/04/2019	04/11/2031		5,050,350	9.38/(6.375)			33,079	(66,601)		(72,076)		(66,601)			86,702		100/100 .....
CURRENCY SWAP - RECEIVE FIXED USD PAY FIXED EUR .....	MORTGAGE LOAN 881900	B-1 .....	Currency.....	CITIBANK NA .....	04/12/2019	04/15/2025		143,700,000	4.023/(3.705)			121,190	3,290,003		3,260,954		3,290,003			1,729,968		100/100 .....
CURRENCY SWAP - RECEIVE FIXED USD PAY FIXED EUR .....	MORTGAGE LOAN 881900 N6587*AA1 ALLIANCE AUTOMOTIVE NETHERLAND SR-UNSEC 1.55% due 05/31/2029	B-1 .....	Currency.....	JP MORGAN CHASE BANK NA .....	04/12/2019	04/19/2022		35,935,000	8.874/(8.25)			60,431	832,501		1,037,080		832,501			300,948		100/100 .....
CURRENCY SWAP - RECEIVE FIXED USD PAY FIXED EUR .....	N6587*AB9 ALLIANCE AUTOMOTIVE NETHERLAND SR-UNSEC 1.74% due 05/31/2031	D-1 .....	Currency.....	CREDIT AGRICOLE .....	05/15/2019	05/31/2029		16,818,000	3.9525/(1.55)			36,699	(238,503)		(133,124)		(238,503)			264,931		100/100 .....
CURRENCY SWAP - RECEIVE FIXED USD PAY FIXED EUR .....	59156RBW7 METLIFE INC SR UNSEC 0.898% due 05/23/2031	D-1 .....	Currency.....	CREDIT AGRICOLE .....	05/15/2019	05/31/2031		26,908,800	4.0625/(1.74)			56,679	(381,604)		(286,917)		(381,604)			464,635		100/100 .....
CURRENCY SWAP - RECEIVE FIXED USD PAY FIXED EUR .....	59156RBX5 METLIFE INC SR UNSEC 1.189% due 05/23/2034	D-1 .....	Currency.....	CITIBANK NA .....	05/16/2019	05/23/2031		9,594,298	4.0185/(0.898)			31,465	(144,606)		121,101		(144,606)			165,513		100/100 .....
CURRENCY SWAP - RECEIVE FIXED USD PAY FIXED EUR .....	59156RBY3 METLIFE INC SR UNSEC 1.385% due 05/23/2039	D-1 .....	Currency.....	JP MORGAN CHASE BANK NA .....	05/16/2019	05/23/2034		17,361,111	4.38/(1.189)			58,149	(261,669)		262,514		(261,668)			335,151		100/100 .....
CURRENCY SWAP - RECEIVE FIXED USD PAY FIXED EUR .....	59156RBW7 METLIFE INC SR UNSEC 0.898% due 05/23/2031	D-1 .....	Currency.....	CITIBANK NA .....	05/16/2019	05/23/2039		22,837,307	4.607/(1.385)			77,157	(350,561)		372,343		(350,561)			509,502		100/100 .....
CURRENCY SWAP - RECEIVE FIXED USD PAY FIXED EUR .....	59156RBY3 METLIFE INC SR UNSEC 1.385% due 05/23/2039	D-1 .....	Currency.....	CITIBANK NA .....	05/16/2019	05/23/2031		9,594,298	4.0185/(0.898)			31,465	(144,606)		121,101		(144,606)			165,513		100/100 .....
CURRENCY SWAP - RECEIVE FIXED USD PAY FIXED EUR .....	59156RBX5 METLIFE INC SR UNSEC 1.189% due 05/23/2034	D-1 .....	Currency.....	CITIBANK NA .....	05/16/2019	05/23/2039		17,356,353	4.607/(1.385)			58,639	(266,426)		282,981		(266,426)			387,222		100/100 .....
CURRENCY SWAP - RECEIVE FIXED USD PAY FIXED EUR .....	TBD UMICORE TBD .....	D-1 .....	Currency.....	JP MORGAN CHASE BANK NA .....	05/16/2019	05/23/2034		22,843,567	4.38/(1.189)			76,511	(344,301)		345,413		(344,301)			440,988		100/100 .....
CURRENCY SWAP - RECEIVE FIXED USD PAY FIXED EUR .....	TBD UMICORE TBD .....	D-1 .....	Currency.....	JP MORGAN CHASE BANK NA .....	05/30/2019	09/26/2029		77,938,000	4.07/(1.77)				(1,659,012)		(367,719)		(1,659,012)			1,247,575		100/100 .....
CURRENCY SWAP - RECEIVE FIXED USD PAY FIXED EUR .....	TBD UMICORE TBD .....	D-1 .....	Currency.....	JP MORGAN CHASE BANK NA .....	05/30/2019	09/26/2031		33,402,000	4.176/(1.95)				(711,005)		(309,214)		(711,005)			584,519		100/100 .....
0879999999. Subtotal - Swaps - Hedging Effective - Foreign Exchange												917,060	(12,352,290)	XXX	(11,815,265)		(9,558,328)			10,450,057	XXX	XXX
0909999999. Subtotal - Swaps - Hedging Effective												16,390,911	(12,352,290)	XXX	14,976,245		(9,558,328)			42,190,271	XXX	XXX

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART A - SECTION 1

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INTEREST RATE SWAP - RECEIVE FIXED PAY FLOATING	G7332#AE3 RPPF ENGINE LEASING LIMITED Se E-SR-SEC 3.99188% due 10/30/2025	D-1	Interest Rate	MORGAN STANLEY & CO LLC	10/16/2013	10/30/2025		55,000,000	4.24/(3.7975)			135,335	4,281,144		4,281,144	2,675,884				692,417		0001
INTEREST RATE SWAP - RECEIVE FIXED PAY FLOATING	G7334#AG8 RPPF ENGINE LEASING LIMITED Se E-SR-SEC 3.835% due 06/13/2033	D-1	Interest Rate	MORGAN STANLEY & CO LLC	05/30/2018	06/13/2033		30,000,000	4.324/(3.835)			79,723	3,837,365		3,837,365	2,794,358				560,534		0001
INTEREST RATE SWAP - RECEIVE FIXED PAY FLOATING	G7334#AF0 RPPF ENGINE LEASING LIMITED Se E-SR-SEC 4.015% due 06/13/2030	D-1	Interest Rate	MORGAN STANLEY & CO LLC	05/31/2018	06/13/2030		31,000,000	4.225/(3.765)			80,906	3,414,409		3,414,409	2,418,644				513,180		0001
091999999. Subtotal - Swaps - Hedging Other - Interest Rate												295,964	11,532,918	XXX	11,532,918	7,888,886				1,766,131	XXX	XXX
CREDIT DEFAULT SWAP - BURLINGTN NORTH SANTA FE SR UNSEC	12189TAA2 BURLINGTN NORTH SANTA FE SR UNSEC 7% due 12/15/2025	D-1	Credit	GOLDMAN SACHS BANK USA	09/21/2009	12/20/2019		30,000,000	CREDIT EVENT / (1.00)	(962,733)		(150,833)	(136,647)		(136,647)	91,458			48,029		1FE	0003
CREDIT DEFAULT SWAP - CVS LEASE BKD PT PRIVATE PLACE 2011-SR-SEC	12671*AA1 CVS LEASE BKD PT PRIVATE PLACE 2011-SR-SEC 5.5% due 12/10/2033	D-1	Credit	CREDIT SUISSE INTERNATIONAL	10/06/2011	12/20/2021		10,000,000	CREDIT EVENT / (1.00)	125,283		(50,278)	(174,800)		(174,800)	(4,882)			(6,256)		2	0003
CREDIT DEFAULT SWAP - CVS LEASE BKD PT PRIVATE PLACE 2011-SR-SEC	12671*AA1 CVS LEASE BKD PT PRIVATE PLACE 2011-SR-SEC 5.5% due 12/10/2033	D-1	Credit	CREDIT SUISSE INTERNATIONAL	10/11/2011	12/20/2021		10,000,000	CREDIT EVENT / (1.00)	105,949		(50,278)	(174,800)		(174,800)	(5,847)			(5,291)		2	0003
CREDIT DEFAULT SWAP - CVS LEASE BKD PT PRIVATE PLACE 2011-SR-SEC	12671*AA1 CVS LEASE BKD PT PRIVATE PLACE 2011-SR-SEC 5.5% due 12/10/2033	D-1	Credit	CREDIT SUISSE INTERNATIONAL	10/12/2011	12/20/2021		8,000,000	CREDIT EVENT / (1.00)	77,431		(40,222)	(139,840)		(139,840)	(5,042)			(3,869)		2	0003
CREDIT DEFAULT SWAP - BALL CORP CO. GUARNT	058498AS5 BALL CORP CO. GUARNT 4% due 11/15/2023	D-1	Credit	BARCLAYS BANK PLC	06/02/2017	06/20/2022		1,000,000	CREDIT EVENT / (5.00)	(202,760)		(25,139)	(140,227)		(140,227)	(14,734)			19,823		3FE	0003
CREDIT DEFAULT SWAP - WELLS FARGO-CVS 2010 SALE LEAS SR-SEC	12669*AA5 WELLS FARGO-CVS 2010 SALE LEAS SR-SEC 6.83% due 10/10/2032	D-1	Credit	CREDIT SUISSE INTERNATIONAL	09/19/2017	12/20/2022		18,000,000	CREDIT EVENT / (1.00)	(428,555)		(90,500)	(358,055)		(358,055)	(108,580)			40,259		2	0003
CREDIT DEFAULT SWAP - WELLS FARGO-CVS 2010 SALE LEAS SR-SEC	12669*AA5 WELLS FARGO-CVS 2010 SALE LEAS SR-SEC 6.83% due 10/10/2032	D-1	Credit	JP MORGAN CHASE BANK NA	09/19/2017	12/20/2022		30,000,000	CREDIT EVENT / (1.00)	(699,077)		(150,833)	(596,758)		(596,758)	(179,533)			65,665		2	0003
CREDIT DEFAULT SWAP - WELLS FARGO-CVS 2010 SALE LEAS SR-SEC	12669*AA5 WELLS FARGO-CVS 2010 SALE LEAS SR-SEC 6.83% due 10/10/2032	D-1	Credit	BNP PARIBAS	09/19/2017	12/20/2022		20,000,000	CREDIT EVENT / (1.00)	(476,173)		(100,556)	(397,839)		(397,839)	(120,644)			44,732		2	0003
CREDIT DEFAULT SWAP - WELLS FARGO BK-CVS 2010 SECOND SR-SEC	94978#C08 WELLS FARGO BK-CVS 2010 SECOND SR-SEC 5.61% due 08/10/2027	D-1	Credit	BNP PARIBAS	01/10/2018	12/20/2022		11,520,000	CREDIT EVENT / (1.00)	(219,778)		(57,920)	(229,155)		(229,155)	(65,666)			21,940		2	0003
CREDIT DEFAULT SWAP - WELLS FARGO BK-CVS 2010 SECOND SR-SEC	94978#C08 WELLS FARGO BK-CVS 2010 SECOND SR-SEC 5.61% due 08/10/2027	D-1	Credit	BNP PARIBAS	01/10/2018	12/20/2021		1,855,000	CREDIT EVENT / (1.00)	(40,957)		(9,327)	(32,425)		(32,425)	(7,218)			5,152		2	0003
CREDIT DEFAULT SWAP - WELLS FARGO BK-CVS 2010 SECOND SR-SEC	94978#C08 WELLS FARGO BK-CVS 2010 SECOND SR-SEC 5.61% due 08/10/2027	D-1	Credit	BNP PARIBAS	01/10/2018	12/20/2020		1,755,000	CREDIT EVENT / (1.00)	(36,768)		(8,824)	(21,261)		(21,261)	(3,484)			6,221		2	0003

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART A - SECTION 1

Showing all Options, Caps, Floors, Collars, Swaps and Forwards Open as of Current Statement Date

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CREDIT DEFAULT SWAP - WELLS FARGO BK-CVS 2010 SECOND SR-SEC 5.61% due 08/10/2027	94978*008 WELLS FARGO BK-CVS 2010 SECOND SR-SEC 5.61% due 08/10/2027	D-1	Credit	BNP PARIBAS ROMUJISFPU8MPR08K5P83	01/10/2018	12/20/2019		1,660,000	CREDIT EVENT / (1.00)	(26,168)		(8,346)	(6,993)		(6,993)	(576)		6,741			2	0003
CREDIT DEFAULT SWAP - AETNA INC SR UNSEC 4.5% due 05/15/2042	00817YAJ7 AETNA INC SR UNSEC 4.5% due 05/15/2042	D-1	Credit	BARCLAYS BANK PLC G5GSEF7VJP5170UK5573	03/28/2018	06/20/2021		4,000,000	CREDIT EVENT / (1.00)	(96,962)		(20,111)	(64,353)		(64,353)	(2,036)		14,938			2FE	0003
CREDIT DEFAULT SWAP - BGS CTL PT-CVS EVANSVILLE SR-SEC 6.043% due 01/15/2037	08882*AA4 BGS CTL PT-CVS EVANSVILLE SR-SEC 6.043% due 01/15/2037	D-1	Credit	BANK OF AMERICA NA B4TYDEB6GKMZ0031MB27	07/16/2018	06/20/2021		3,100,000	CREDIT EVENT / (1.00)	(54,718)		(15,586)	(46,873)		(46,873)	(8,316)		9,254			2	0003
CREDIT DEFAULT SWAP - LESMARK CAPITAL CTL PT TRUST-C 2013-SR-SEC 5% due 01/15/2039	22956*AA2 LESMARK CAPITAL CTL PT TRUST-C 2013-SR-SEC 5% due 01/15/2039	D-1	Credit	BARCLAYS BANK PLC G5GSEF7VJP5170UK5573	07/18/2018	06/20/2021		6,800,000	CREDIT EVENT / (1.00)	(122,114)		(34,189)	(102,819)		(102,819)	(18,674)		20,731			2	0003
CREDIT DEFAULT SWAP - TIME WARNER CABLE LLC SR SEC due 05/01/2037	88732JAJ7 TIME WARNER CABLE LLC SR SEC 6.55% due 05/01/2037	D-1	Credit	CREDIT SUISSE INTERNATIONAL E58DKGMJYYYJLN8C3868	12/03/2018	12/20/2019		4,000,000	CREDIT EVENT / (1.00)	(34,918)		(20,111)	(16,450)		(16,450)	659		16,583			2FE	0003
CREDIT DEFAULT SWAP - BALL CORP CO.GUARNT 4% due 11/15/2023	058498A35 BALL CORP CO.GUARNT 4% due 11/15/2023	D-1	Credit	GOLDMAN SACHS BANK USA KD3XUN7C6T14HN4YLU02	12/04/2018	12/20/2019		8,000,000	CREDIT EVENT / (5.00)	(395,272)		(201,111)	(187,484)		(187,484)	(4,172)		188,159			3FE	0003
CREDIT DEFAULT SWAP - CALIFORNIA RESOURCES CRP CO.GUARNT 6% due 11/15/2024	130570AF4 CALIFORNIA RESOURCES CRP CO.GUARNT 6% due 11/15/2024	D-1	Credit	GOLDMAN SACHS BANK USA KD3XUN7C6T14HN4YLU02	12/04/2018	12/20/2019		3,000,000	CREDIT EVENT / (5.00)	195,000		(75,417)	62,536		62,536	(10,658)		(90,611)			5FE	0003
CREDIT DEFAULT SWAP - TIME WARNER CABLE LLC SR SEC due 05/01/2037	88732JAJ7 TIME WARNER CABLE LLC SR SEC 6.55% due 05/01/2037	D-1	Credit	CREDIT SUISSE INTERNATIONAL E58DKGMJYYYJLN8C3868	01/14/2019	12/20/2019		5,000,000	CREDIT EVENT / (1.00)			(26,806)	(20,563)		(20,563)	(20,563)					2FE	0003
CREDIT DEFAULT SWAP - TIME WARNER CABLE LLC SR SEC due 05/01/2037	88732JAJ7 TIME WARNER CABLE LLC SR SEC 6.55% due 05/01/2037	D-1	Credit	BARCLAYS BANK PLC G5GSEF7VJP5170UK5573	01/22/2019	12/20/2019		1,000,000	CREDIT EVENT / (1.00)			(5,361)	(4,113)		(4,113)	(4,113)					2FE	0003
0929999999. Subtotal - Swaps - Hedging Other - Credit Default										(3,293,290)		(1,141,748)	(2,788,919)	XXX	(2,788,919)	(492,621)		402,200			XXX	XXX
CURRENCY SWAP - PAY FIXED EUR RECEIVE FIXED USD	N2557FDK7 DEUTSCHE TELEKOM INT FIN CO.GUARNT 7.5% due 01/24/2033	D-1	Currency	BANK OF AMERICA NA B4TYDEB6GKMZ0031MB27	03/12/2003	01/24/2033		22,030,000	7.77/(7.5)			31,429	(8,993,364)		(8,993,364)	(571,793)		173,016		405,927		0002
CURRENCY SWAP - PAY FIXED EUR RECEIVE FIXED USD	F4113NCE7 ORANGE SA SR UNSEC 8.125% due 01/28/2033	D-1	Currency	MORGAN STANLEY CAPITAL SERVICE 17331LVCZKQKXST7XV54	03/12/2003	01/28/2033		22,030,000	8.429/(8.125)			15,838	(9,233,185)		(9,233,185)	(556,268)		173,016		406,090		0002
CURRENCY SWAP - PAY FIXED EUR RECEIVE FIXED USD	F9686MAC1 VEOLIA ENVIRONNEMENT SA SR UNSEC 6.125% due 11/25/2033	D-1	Currency	MORGAN STANLEY CAPITAL SERVICE 17331LVCZKQKXST7XV54	02/05/2004	11/25/2033		12,600,000	6.4075/(6.125)			58,835	(1,835,397)		(1,835,397)	(213,344)		86,508		239,205		0002
CURRENCY SWAP - PAY FIXED EUR RECEIVE FIXED USD	62890@CD1 PEP SHOPPING CENTER NA-01A% due 12/14/2021	D-1	Currency	JP MORGAN CHASE BANK NA 7H6GLXDRUGOFU57RNE97	10/18/2011	12/14/2021		140,319,692	4.5375/(4.48)			606,542	18,053,416		18,053,416	3,356,617	888,638		1,100,475		0002	
CURRENCY SWAP - PAY FIXED EUR RECEIVE FIXED USD	62890@CF6 GROPIUS % due 03/28/2022	D-1	Currency	DEUTSCHE BK AG 7LTFWZY1CNSX8D621K86	03/26/2012	03/28/2022		82,615,000	4.085/(3.68)			409,738	8,864,177		8,864,177	1,933,660	536,351		684,410		0002	
CURRENCY SWAP - PAY FIXED GBP RECEIVE FIXED USD	G1745*AC5 BROOKFIELD UTILITIES ISSUER UK C-SR-SEC 4.26% due 04/17/2025	D-1	Currency	CITIBANK NA E570DZIW7FF32TWEFA76	03/13/2013	04/17/2025		52,220,000	4.59/(4.26)			227,739	7,411,482		7,411,482	1,136,563	162,597		628,961		0002	
CURRENCY SWAP - PAY FIXED GBP RECEIVE FIXED USD	G0566*AB5 ARQIVA PP FINANCING PLC 2-SR-SEC 4.101% due 06/30/2025	D-1	Currency	BANK OF AMERICA NA B4TYDEB6GKMZ0031MB27	05/30/2013	06/30/2025		39,500,076	4.61/(4.101)			235,882	6,759,212		6,759,212	852,777	(116,482)		483,996		0002	



STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART A - SECTION 1

Showing all Options, Caps, Floors, Collars, Swaps and Forwards Open as of Current Statement Date

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CURRENCY SWAP – PAY FIXED EUR RECEIVE FIXED USD	628908BE0 ERLANGEN ARCADEN % due 04/16/2022	D-1	Currency.....	DEUTSCHE BK AG	7LTWIFYZ1ONSX8D621K86	11/20/2013	04/16/2022	21,739,940	6.59/(5.54)			218,105	3,160,615		3,160,615	451,952	138,929			181,800	0002	
CURRENCY SWAP – PAY FIXED CAD RECEIVE FIXED USD	390730AK5 GREAT LAKES POWER LTD 3-SUB-SEC 4.96% due 06/16/2023	D-1	Currency.....	BANK OF AMERICA NA	B4TYDEB6GKMZ0031MB27	03/19/2014	06/16/2023	17,005,281	4.908/(4.96)			64,773	2,697,304		2,697,304	143,759	(591,426)			169,294	0002	
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	61745*AM3 BROOKFIELD UTILITIES ISSUER UK B- SR-SEC 4.51% due 06/15/2029	D-1	Currency.....	CITIBANK NA	E570DZIWZ7FF32TWEFA76	04/10/2014	06/15/2029	11,739,000	4.886/(4.51)			88,243	3,090,150		3,090,150	378,631	32,519			185,305	0002	
CURRENCY SWAP – PAY FIXED NZD RECEIVE FIXED USD	07724#AJ7 POWERCO LTD SR-SEC 6.62% due 04/15/2027	D-1	Currency.....	DEUTSCHE BK AG	7LTWIFYZ1ONSX8D621K86	07/02/2014	04/15/2027	43,800,000	4/(6.62)			(243,698)	5,663,124		5,663,124	218,112	(29,986)			611,526	0002	
CURRENCY SWAP – PAY FIXED EUR RECEIVE FIXED USD	01297#AF5 CSL FINANCE PTY LTD B-SR 1.93% due 11/12/2024	D-1	Currency.....	CITIBANK NA	E570DZIWZ7FF32TWEFA76	09/17/2014	11/12/2024	25,926,000	3.7725/(1.93)			271,830	2,818,994		2,818,994	402,160	173,016			300,544	0002	
CURRENCY SWAP – PAY FIXED EUR RECEIVE FIXED USD	01297#AG3 CSL FINANCE PTY LTD C-SR 2.1% due 11/12/2026	D-1	Currency.....	CITIBANK NA	E570DZIWZ7FF32TWEFA76	09/17/2014	11/12/2026	25,930,000	3.875/(2.1)			266,063	2,629,022		2,629,022	262,683	173,016			352,098	0002	
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	66596#AA4 NORTH WEST ELECTRICITY NETWORK 1- SR-SEC 4.07% due 12/20/2029	D-1	Currency.....	CITIBANK NA	E570DZIWZ7FF32TWEFA76	10/08/2014	12/20/2029	19,280,400	4.584/(4.07)			131,743	4,316,572		4,316,572	601,513	55,747			312,113	0002	
CURRENCY SWAP – PAY FIXED AUD RECEIVE FIXED USD	7107B 101 MILLER STREET OIA	BA-1	Currency.....	CITIBANK NA	E570DZIWZ7FF32TWEFA76	12/11/2014	12/13/2024	25,187,081	4.4925/(6)			(62,916)	2,179,252		2,179,252	(50,461)	70,165			294,276	0002	
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	MORTGAGE LOAN 711700	B-1	Currency.....	CITIBANK NA	E570DZIWZ7FF32TWEFA76	12/18/2014	01/25/2022	136,485,700	3.856/(3.35)			744,884	25,894,531		25,894,531	1,746,540	404,634			1,095,153	0002	
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	MORTGAGE LOAN 706100 66750*AD4 THE 1887 CO LTD D-SR-SEC 2.91% due 04/29/2027	B-1	Currency.....	CITIBANK NA	E570DZIWZ7FF32TWEFA76	01/28/2015	07/16/2035	140,149,037	4.825/(4.1)			946,866	24,712,104		24,712,104	4,540,822	195,588			2,807,776	0002	
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	04436#AB0 HALLETT HILL NO. 2 PTY LTD SR-SEC 4.876% due 06/27/2027	D-1	Currency.....	JP MORGAN CHASE BANK NA	7H6GLXDRUGOFU57RNE97	02/26/2015	04/29/2027	30,808,000	3.50625/(2.91)			164,103	5,423,248		5,423,248	772,315	92,912			431,191	0002	
CURRENCY SWAP – PAY FIXED CHF RECEIVE FIXED USD	01297#AJ7 CSL FINANCE PTY LTD SR 0.955% due 10/08/2025	D-1	Currency.....	CITIBANK NA	E570DZIWZ7FF32TWEFA76	03/17/2015	06/27/2027	7,588,021	3.86/(4.876)			(25,684)	98,577		98,577	(63,896)	13,118			107,292	0002	
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	628908CQ9 Cityhold Office Partnership 2.85% due 10/01/2020	D-1	Currency.....	CITIBANK NA	E570DZIWZ7FF32TWEFA76	09/11/2015	10/08/2025	51,203,277	3.8025/(0.955)			733,571	12,739		12,739	871,955	(349,138)			641,547	0002	
CURRENCY SWAP – PAY FIXED EUR RECEIVE FIXED USD	628908CP4 Cityhold Office Partnership 1.75% due 10/01/2020	D-1	Currency.....	BARCLAYS BANK PLC	G5GSEF7VJP5170UK5573	09/29/2015	10/01/2020	303,080,000	1.62/(1.5)			568,276	45,780,143		45,780,143	3,628,916	929,124			1,699,367	0002	
CURRENCY SWAP – PAY FIXED AUD RECEIVE FIXED USD	7096 T-C MT OIMANEY CENTRE HOLDING CO LLC OIA	D-1	Currency.....	MORGAN STANLEY CAPITAL SERVICE	I7331LVC2KQKX5T7XV54	09/29/2015	10/01/2020	235,935,000	3.28/(1.75)			1,811,370	(6,148,625)		(6,148,625)	3,419,487	1,816,671			1,322,886	0002	
CURRENCY SWAP – PAY FIXED AUD RECEIVE FIXED USD	87318#AA8 T-C MT OIMANEY CENTRE HOLDING PRIN MAT/AFFIL HENDERSN/SH CNT NA- OIA% due 10/10/2024	BA-1	Currency.....	JP MORGAN CHASE BANK NA	7H6GLXDRUGOFU57RNE97	10/21/2015	10/15/2019	104,445,394	1.7925/(3)			(746,869)	2,215,884		2,215,884	748,135	332,676			282,751	0002	
CURRENCY SWAP – PAY FIXED AUD RECEIVE FIXED USD		D-1	Currency.....	JP MORGAN CHASE BANK NA	7H6GLXDRUGOFU57RNE97	10/21/2015	10/10/2024	22,536,816	4.773/(6)			(105,339)	(1,118,575)		(1,118,575)	(159,363)	71,784			259,049	0002	

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART A - SECTION 1

Showing all Options, Caps, Floors, Collars, Swaps and Forwards Open as of Current Statement Date

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Description	Description of Item(s) Hedged, Used for Income Generation or Replicated	Schedule/ Exhibit Identifier	Type(s) of Risk(s) (a)	Exchange, Counterparty or Central Clearinghouse	Trade Date	Date of Maturity or Expiration	Number of Contracts	Notional Amount	Strike Price, Rate or Index Received (Paid)	Cumulative Prior Year(s) Initial Cost of Un-discounted Premium (Received) Paid	Current Year Initial Cost of Un-discounted Premium (Received) Paid	Current Year Income	Book/ Adjusted Carrying Value	Code	Fair Value	Unrealized Valuation Increase/ (Decrease)	Total Foreign Exchange Change in B./A.C.V.	Current Year's (Amortization)/ Accretion	Adjustment to Carrying Value of Hedged Item	Potential Exposure	Credit Quality of Reference Entity	Hedge Effectiveness at Inception and at Quarter-end (b)
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD .....	MORTGAGE LOAN 720700 78408LA*8 SC JOHNSON & SON-INC. SR-UNSEC 2.18% due 02/17/2031	B-1 .....	Currency.....	CITIBANK NA .....	E570DZIWZ7FF32TWEFA76	..11/16/2015	..01/15/2026	.....189,430,000	..4.103/(3.66)			.....957,725	.....30,583,485		.....30,583,485	.....4,313,670	.....578,961			.....2,424,165	.....	0002 .....
CURRENCY SWAP – PAY FIXED EUR RECEIVE FIXED USD .....		D-1 .....	Currency.....	CITIBANK NA .....	E570DZIWZ7FF32TWEFA76	..11/18/2015	..02/17/2031	.....98,512,500	..3.883/(2.18)			.....779,835	.....(15,053,197)		.....(15,053,197)	.....(2,261,076)	.....800,200			.....1,680,774	.....	0002 .....
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD .....	MORTGAGE LOAN 718500	B-1 .....	Currency.....	CITIBANK NA .....	E570DZIWZ7FF32TWEFA76	..11/18/2015	..01/25/2021	.....102,465,000	..5.753/(5.4)			.....590,700	.....16,754,833		.....16,754,833	.....1,014,830	.....313,579			.....643,033	.....	0002 .....
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD .....	MORTGAGE LOAN 719700	B-1 .....	Currency.....	JP MORGAN CHASE BANK NA .....	7H6GLXDRUGOFU57RNE97	..12/09/2015	..01/15/2031	.....65,413,230	..4.805/(4.25)			.....384,019	.....10,717,016		.....10,717,016	.....1,564,747	.....(9,635)			.....1,111,709	.....	0002 .....
CURRENCY SWAP – PAY FIXED EUR RECEIVE FIXED USD .....	Z108 ISLAZUL 01A	BA-1 .....	Currency.....	JP MORGAN CHASE BANK NA .....	7H6GLXDRUGOFU57RNE97	..12/16/2015	..10/15/2019	.....6,186,380	..5.78/(3.8)			.....76,864	.....(270,211)		.....(270,211)	.....49,827	.....48,964			.....16,748	.....	0002 .....
CURRENCY SWAP – PAY FIXED EUR RECEIVE FIXED USD .....	F1840#ABB CHANEL SAS PRIN AT MAT 2.044% due 03/30/2028	D-1 .....	Currency.....	JP MORGAN CHASE BANK NA .....	7H6GLXDRUGOFU57RNE97	..01/15/2016	..03/30/2028	.....82,087,500	..3.5775/(2.044)			.....608,253	.....(9,657,492)		.....(9,657,492)	.....(282,663)	.....648,811			.....1,214,518	.....	0002 .....
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD .....	G2730#A04 DERIVENT LONDON PLC SR-UNSEC 3.57% due 05/04/2031	D-1 .....	Currency.....	CITIBANK NA .....	E570DZIWZ7FF32TWEFA76	..02/04/2016	..05/04/2031	.....65,655,000	..4.145/(3.57)			.....311,909	.....7,602,485		.....7,602,485	.....1,900,967	.....209,053			.....1,130,146	.....	0002 .....
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD .....	G2730#A06 DERIVENT LONDON PLC SR-UNSEC 3.46% due 05/04/2028	D-1 .....	Currency.....	CITIBANK NA .....	E570DZIWZ7FF32TWEFA76	..02/04/2016	..05/04/2028	.....21,885,000	..3.966/(3.46)			.....95,154	.....2,563,921		.....2,563,921	.....555,573	.....69,684			.....325,566	.....	0002 .....
CURRENCY SWAP – PAY FIXED SEK RECEIVE FIXED USD .....	707801A NOVA LUND 01A	D-2, BA-1 .....	Currency.....	CITIBANK NA .....	E570DZIWZ7FF32TWEFA76	..02/11/2016	..11/15/2022	.....89,056,357	..4.7/(4)			.....522,975	.....5,783,591		.....5,783,591	.....2,391,988	.....3,848,879			.....818,740	.....	0002 .....
CURRENCY SWAP – PAY FIXED CAD RECEIVE FIXED USD .....	390730AL3 GREAT LAKES POWER LTD 4-SR-SEC 3.2355% due 06/16/2023	D-1 .....	Currency.....	ROYAL BANK OF CANADA .....	ES71P3U3RHIGC71XBUI1	..03/16/2016	..06/16/2023	.....37,425,150	..3.62/(3.2355)			.....72,047	.....(488,408)		.....(488,408)	.....258,190	.....(1,556,384)			.....372,582	.....	0002 .....
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD .....	8061 70 St Mary Axe 01A G9006#AK2 TRANSMISSION FINANCE DAC Corporate Bond 1.93% due 05/04/2029	D-2 .....	Currency.....	JP MORGAN CHASE BANK NA .....	7H6GLXDRUGOFU57RNE97	..04/13/2016	..10/01/2020	.....49,777,000	..5.443/(5)			.....254,123	.....5,161,931		.....5,161,931	.....470,637	.....162,597			.....279,099	.....	0002 .....
CURRENCY SWAP – PAY FIXED EUR RECEIVE FIXED USD .....	386435AB7 GRAND RENEWABLE SOLAR LP 3.926% Due 1/31/2035 JU31 3.926% due 01/31/2035	D-1 .....	Currency.....	JP MORGAN CHASE BANK NA .....	7H6GLXDRUGOFU57RNE97	..04/13/2016	..05/04/2029	.....73,333,000	..3.669/(1.93)			.....645,304	.....(4,780,865)		.....(4,780,865)	.....(648,026)	.....562,303			.....1,150,887	.....	0002 .....
CURRENCY SWAP – PAY FIXED CAD RECEIVE FIXED USD .....	87287*AA9 TC UK RE Holdings I LLC FIXED INTEREST LOAN A NA- 01A% due 06/17/2023	D-1 .....	Currency.....	JP MORGAN CHASE BANK NA .....	7H6GLXDRUGOFU57RNE97	..05/31/2016	..01/31/2035	.....26,877,011	..3.964/(3.926)			.....(5,272)	.....(175,581)		.....(175,581)	.....136,677	.....(1,118,976)			.....530,778	.....	0002 .....
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD .....	V2710#AB6 ELLEVIO AB 2.78% Due 10/26/2028 FA28 2.78% due 10/26/2028	D-1 .....	Currency.....	HSBC BANK USA .....	11E8VNV30JCEQV1H4R804	..06/20/2016	..06/17/2023	.....34,075,437	..7.08/(6.5)			.....227,159	.....4,972,319		.....4,972,319	.....680,615	.....108,093			.....339,351	.....	0002 .....
CURRENCY SWAP – PAY FIXED SEK RECEIVE FIXED USD .....		D-1 .....	Currency.....	BANK OF AMERICA NA .....	B4TYDEB6KMZ0031MB27	..09/08/2016	..10/26/2028	.....75,000,000	..3.44/(2.78)			.....372,019	.....1,834,673		.....1,834,673	.....1,238,581	.....3,258,739			.....1,145,532	.....	0002 .....
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD .....	MORTGAGE LOAN 803400	B-1 .....	Currency.....	JP MORGAN CHASE BANK NA .....	7H6GLXDRUGOFU57RNE97	..09/13/2016	..10/15/2026	.....62,916,300	..3.725/(2.7791)			.....316,340	.....2,578,409		.....2,578,409	.....1,192,264	.....221,596			.....849,873	.....	0002 .....

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART A - SECTION 1

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Description	Description of Item(s) Hedged, Used for Income Generation or Replicated	Schedule/ Exhibit Identifier	Type(s) of Risk(s) (a)	Exchange, Counterparty or Central Clearinghouse	Trade Date	Date of Maturity or Expiration	Number of Contracts	Notional Amount	Strike Price, Rate or Index Received (Paid)	Cumulative Prior Year(s) Initial Cost of Un-discounted Premium (Received) Paid	Current Year Initial Cost of Un-discounted Premium (Received) Paid	Current Year Income	Book/ Adjusted Carrying Value	Code	Fair Value	Unrealized Valuation Increase/ (Decrease)	Total Foreign Exchange Change in B./A.C.V.	Current Year's (Amortization)/ Accretion	Adjustment to Carrying Value of Hedged Item	Potential Exposure	Credit Quality of Reference Entity	Hedge Effectiveness at Inception and at Quarter-end (b)
CURRENCY SWAP – PAY FIXED EUR RECEIVE FIXED USD	LIW3759195 REPUBLIC OF INDONESIA SR UNSEC 3.75% due 06/14/2028	D-1	Currency	JP MORGAN CHASE BANK NA	09/29/2016	06/14/2028		5,614,000	6.0125/(3.75)			66,441	(248,721)		(248,721)	(6,338)	43,254			84,043	0002	
CURRENCY SWAP – PAY FLOATING AUD RECEIVE FIXED USD	076770AA5 PLENARY HEALTH FINANCE CO PTY SERIES A 4.185% due 07/02/2040	D-1	Currency	CITIBANK NA	10/04/2016	07/01/2040		146,162,738	3.5/(3.9165)			(252,454)	7,461,295		7,461,295	10,551,802	330,782			3,350,538	0002	
CURRENCY SWAP – PAY FIXED EUR RECEIVE FIXED USD	LIW3759195 REPUBLIC OF INDONESIA SR UNSEC 3.75% due 06/14/2028	D-1	Currency	JP MORGAN CHASE BANK NA	10/05/2016	06/14/2028		5,600,000	6.055/(3.75)			67,211	(247,961)		(247,961)	(7,399)	43,254			83,834	0002	
CURRENCY SWAP – PAY FIXED EUR RECEIVE FIXED USD	LIW3759195 REPUBLIC OF INDONESIA SR UNSEC 3.75% due 06/14/2028	D-1	Currency	JP MORGAN CHASE BANK NA	10/11/2016	06/14/2028		16,596,000	5.95/(3.75)			186,743	(1,166,210)		(1,166,210)	(31,276)	129,762			248,447	0002	
CURRENCY SWAP – PAY FIXED EUR RECEIVE FIXED USD	G4273*AM7 HAMMERSON PLC 1.79% Due 1/11/2028 JJ11 1.79% due 01/11/2028	D-1	Currency	CITIBANK NA	10/13/2016	01/11/2028		36,356,100	3.69/(1.79)			334,607	(2,768,048)		(2,768,048)	(102,545)	285,477			531,214	0002	
CURRENCY SWAP – PAY FIXED EUR RECEIVE FIXED USD	031100H0 AMETEK INC SERIES Q 1.53% due 10/31/2028	D-1	Currency	JP MORGAN CHASE BANK NA	10/14/2016	10/31/2028		22,036,000	3.324/(1.53)			195,081	(1,837,616)		(1,837,616)	(180,852)	173,016			336,819	0002	
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	031100J80 AMETEK–INC. SERIES S 2.7% due 11/23/2031	D-1	Currency	JP MORGAN CHASE BANK NA	10/14/2016	11/23/2031		8,554,000	3.4725/(2.7)			29,012	(648,863)		(648,863)	162,659	32,519			150,659	0002	
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	G1745*AR2 BROOKFIELD UTILITIES ISSUER UK 2.62% Due 11/10/2026 MN10 2.62% due 11/10/2026	D-1	Currency	CITIBANK NA	10/19/2016	11/10/2026		12,295,000	3.393/(2.62)			38,373	(623,776)		(623,776)	212,251	46,456			166,889	0002	
CURRENCY SWAP – PAY FIXED JPY RECEIVE FIXED USD	8138 Ginza 115 (Tokyo) OIA	BA-1	Currency	CITIBANK NA	10/25/2016	10/29/2021		39,663,124	4.5925/(2.5)			427,052	813,714		813,714	(146,180)	(629,939)			302,991	0002	
CURRENCY SWAP – PAY FLOATING GBP RECEIVE FIXED USD	G0566*AD1 ARQIVA PP FINANCING PLC Flt % Due 12/31/2029 JD31 3.05113% due 12/31/2029	D-1	Currency	CITIBANK NA	11/01/2016	12/31/2029		47,736,297	4.1225/(3.05113)			1,016,964	(1,351,453)		(1,351,453)	2,837,830	181,477			773,870	0002	
CURRENCY SWAP – PAY FIXED EUR RECEIVE FIXED USD	831401A Vicolungo OIA	D-2, BA-1	Currency	JP MORGAN CHASE BANK NA	12/07/2016	12/09/2021		139,620,000	7.6/(5)			1,665,623	(9,474,263)		(9,474,263)	2,436,142	1,124,606			1,091,935	0002	
CURRENCY SWAP – PAY FIXED CAD RECEIVE FIXED USD	C0237#A6 ALTIMA DENTAL CANADA HLDGS–INC 11 1/4% Due 6/15/2023 FMAN28 11.25% due 06/15/2023	D-1	Currency	CITIBANK NA	12/14/2016	11/30/2019		15,387,249	11.6025/(11)			57,205	(56,112)		(56,112)	(28,513)	(629,557)			49,812	0002	
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	MORTGAGE LOAN 719700	B-1	Currency	JP MORGAN CHASE BANK NA	12/21/2016	01/15/2031		8,467,458	5.74375/(4.25)		(8,938)	54,471	108,178		108,178	225,815	35,189			143,906	0002	
CURRENCY SWAP – PAY FIXED EUR RECEIVE FIXED USD	831401A Vicolungo OIA	D-2, BA-1	Currency	CITIBANK NA	12/21/2016	12/20/2019		146,188,000	5.532/(3)			1,691,601	(13,487,281)		(13,487,281)	1,005,789	1,211,114			503,221	0002	
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	MORTGAGE LOAN 804100	B-1	Currency	JP MORGAN CHASE BANK NA	12/29/2016	01/22/2027		201,976,500	4.6375/(3.1989)			1,300,684	(2,463,048)		(2,463,048)	3,354,245	766,527			2,778,529	0002	

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART A - SECTION 1

Showing all Options, Caps, Floors, Collars, Swaps and Forwards Open as of Current Statement Date

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Description	Description of Item(s) Hedged, Used for Income Generation or Replicated	Schedule/ Exhibit Identifier	Type(s) of Risk(s) (a)	Exchange, Counterparty or Central Clearinghouse	Trade Date	Date of Maturity or Expiration	Number of Contracts	Notional Amount	Strike Price, Rate or Index Received (Paid)	Cumulative Prior Year(s) Initial Cost of Un-discounted Premium (Received) Paid	Current Year Initial Cost of Un-discounted Premium (Received) Paid	Current Year Income	Book/ Adjusted Carrying Value	Code	Fair Value	Unrealized Valuation Increase/ (Decrease)	Total Foreign Exchange Change in B./A.C.V.	Current Year's (Amortization)/ Accretion	Adjustment to Carrying Value of Hedged Item	Potential Exposure	Credit Quality of Reference Entity	Hedge Effectiveness at Inception and at Quarter-end (b)
CURRENCY SWAP - PAY FIXED GBP RECEIVE FIXED USD	MORTGAGE LOAN 834800	B-1	Currency.....	CITIBANK NA	E570DZIWZ7FF32TWEFA76	.01/13/2017	.01/15/2027	.....87,845,225	.....4.415/(3.2)			.....453,369	.....(3,293,717)		.....(3,293,717)	.....1,478,820	.....335,936			.....1,206,928	.....0002	
CURRENCY SWAP - PAY FIXED AUD RECEIVE FIXED USD	8107 Myer Bourke St OIA	BA-1	Currency.....	JP MORGAN CHASE BANK NA	7H6GLXDRUGOFU57RNE97	.01/17/2017	.01/17/2020	.....64,108,800	.....2.06/(2.75)			.....(140,425)	.....4,062,050		.....4,062,050	.....278,677	.....194,987			.....237,870	.....0002	
CURRENCY SWAP - PAY FIXED GBP RECEIVE FIXED USD	MORTGAGE LOAN 834200 AM7711865 LIBERTY	B-1	Currency.....	JP MORGAN CHASE BANK NA	7H6GLXDRUGOFU57RNE97	.02/06/2017	.04/15/2027	.....174,418,886	4.4585/(3.1547)			.....1,050,987	.....(127,392)		.....(127,392)	.....3,071,809	.....650,935			.....2,435,199	.....0002	
CURRENCY SWAP - PAY FIXED EUR RECEIVE FIXED USD	MUTUAL FIN EU CO.GUARNT 1.75% due 03/27/2024	D-1	Currency.....	CITIBANK NA	E570DZIWZ7FF32TWEFA76	.03/20/2017	.03/27/2024	.....10,750,000	.....4.161/(1.75)			.....127,830	.....(717,698)		.....(717,698)	.....123,934	.....86,508			.....117,086	.....0002	
CURRENCY SWAP - PAY FIXED EUR RECEIVE FIXED USD	N8502#AB3 TELEDYNE NETHERLANDS B.V. 1.09% Due 4/18/2024 A018	D-1	Currency.....	CITIBANK NA	E570DZIWZ7FF32TWEFA76	.03/29/2017	.04/18/2024	.....34,387,200	.....3.4076/(1.09)			.....390,649	.....(2,324,457)		.....(2,324,457)	.....367,377	.....276,826			.....376,908	.....0002	
CURRENCY SWAP - PAY FIXED EUR RECEIVE FIXED USD	B9550#AA9 UMI CORE SA/NV SR-UNSEC 1.84% due 12/07/2027	D-1	Currency.....	JP MORGAN CHASE BANK NA	7H6GLXDRUGOFU57RNE97	.04/05/2017	.12/07/2027	.....42,660,000	.....4.0125/(1.84)			.....439,199	.....(4,091,306)		.....(4,091,306)	.....(191,470)	.....346,033			.....619,813	.....0002	
CURRENCY SWAP - PAY FIXED EUR RECEIVE FIXED USD	B9550#AB7 UMI CORE SA/NV SR-UNSEC 2.05% due 12/07/2029	D-1	Currency.....	JP MORGAN CHASE BANK NA	7H6GLXDRUGOFU57RNE97	.04/05/2017	.12/07/2029	.....69,322,500	.....4.1275/(2.05)			.....676,283	.....(7,528,862)		.....(7,528,862)	.....(1,144,343)	.....562,303			.....1,120,292	.....0002	
CURRENCY SWAP - PAY FIXED JPY RECEIVE FIXED USD	L2289#AB7 DH JAPAN FINANCE SA 0.65% Due 5/11/2032 MN11 0.65% due 05/11/2032	D-1	Currency.....	JP MORGAN CHASE BANK NA	7H6GLXDRUGOFU57RNE97	.05/01/2017	.05/11/2032	.....75,080,443	.....3.6874/(0.65)			.....1,134,770	.....(1,300,333)		.....(1,300,333)	.....3,530,032	.....(1,272,397)			.....1,346,955	.....0002	
CURRENCY SWAP - PAY FIXED JPY RECEIVE FIXED USD	L2289#AA9 DH JAPAN FINANCE SA 0.3% Due 5/11/2027 MN11 0.3% due 05/11/2027	D-1	Currency.....	JP MORGAN CHASE BANK NA	7H6GLXDRUGOFU57RNE97	.05/01/2017	.05/11/2027	.....70,075,080	.....3.3465/(0.3)			.....1,065,059	.....(819,729)		.....(819,729)	.....3,104,804	.....(1,187,571)			.....982,832	.....0002	
CURRENCY SWAP - PAY FIXED EUR RECEIVE FIXED USD	LW0042629 TRINITY ACQUISITION PLC CO.GUARNT 2.125% due 05/26/2022	D-1	Currency.....	CITIBANK NA	E570DZIWZ7FF32TWEFA76	.05/18/2017	.05/26/2022	.....22,226,000	.....4.832/(2.125)			.....307,059	.....(431,899)		.....(431,899)	.....312,795	.....173,016			.....189,471	.....0002	
CURRENCY SWAP - PAY FIXED EUR RECEIVE FIXED USD	JK9336864 LIBERTY MUTUAL GROUP INC CO.GUARNT 2.75% due 05/04/2026	D-1	Currency.....	JP MORGAN CHASE BANK NA	7H6GLXDRUGOFU57RNE97	.05/19/2017	.05/04/2026	.....22,380,000	.....4.955/(2.75)			.....256,149	.....(891,377)		.....(891,377)	.....153,994	.....173,016			.....292,856	.....0002	
CURRENCY SWAP - PAY FIXED EUR RECEIVE FIXED USD	AN9203570 IVORY COAST SR UNSEC 5.125% due 06/15/2025	D-1	Currency.....	CITIBANK NA	E570DZIWZ7FF32TWEFA76	.06/09/2017	.06/15/2025	.....2,233,000	.....7.63/(5.125)			.....29,246	.....(81,866)		.....(81,866)	.....30,757	.....17,302			.....27,267	.....0002	
CURRENCY SWAP - PAY FIXED GBP RECEIVE FIXED USD	MORTGAGE LOAN 841800	B-1	Currency.....	JP MORGAN CHASE BANK NA	7H6GLXDRUGOFU57RNE97	.06/09/2017	.10/15/2024	.....59,423,640	.....4.02/(2.65)			.....396,684	.....1,421,257		.....1,421,257	.....823,354	.....216,858			.....683,929	.....0002	
CURRENCY SWAP - PAY FIXED GBP RECEIVE FIXED USD	MORTGAGE LOAN 706100	B-1	Currency.....	JP MORGAN CHASE BANK NA	7H6GLXDRUGOFU57RNE97	.07/10/2017	.07/16/2035	.....14,861,327	4.503/(3.765798)			.....94,056	.....549,006		.....549,006	.....352,581	.....51,889			.....297,735	.....0002	
CURRENCY SWAP - PAY FIXED GBP RECEIVE FIXED USD	MORTGAGE LOAN 844700 G7605#AA1 TANK & RAST GRUPPE GMBH CO KG	B-1	Currency.....	JP MORGAN CHASE BANK NA	7H6GLXDRUGOFU57RNE97	.07/28/2017	.10/15/2024	.....155,433,222	7.4235/(6.1097)			.....1,104,626	.....7,532,972		.....7,532,972	.....2,314,700	.....552,179			.....1,788,940	.....0002	
CURRENCY SWAP - PAY FIXED EUR RECEIVE FIXED USD	2.29% Due 10/18/2032 A018 2.29% due 10/18/2032	D-1	Currency.....	JP MORGAN CHASE BANK NA	7H6GLXDRUGOFU57RNE97	.09/13/2017	.10/18/2032	.....23,834,000	4.2175/(2.29)			.....246,235	.....487,195		.....487,195	.....38,137	.....173,016			.....434,804	.....0002	

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART A - SECTION 1

Showing all Options, Caps, Floors, Collars, Swaps and Forwards Open as of Current Statement Date

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CURRENCY SWAP – PAY FIXED EUR RECEIVE FIXED USD	G7605#AB9 TANK & RAST GRUPPE GMBH CO KG 2.76% Due 10/18/2036 A018 2.76% due 10/18/2036	D-1	Currency	JP MORGAN CHASE BANK NA	09/13/2017	10/20/2036		47,668,000	4.51/(2.76)			456,953	(385,916)		(385,916)	(830,822)	346,033			991,923	0002	
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	MORTGAGE LOAN 803401	B-1	Currency	JP MORGAN CHASE BANK NA	10/05/2017	10/15/2026		76,163,020	3.7625/(2.6997)			427,452	3,308,736		3,308,736	1,404,532	269,611			1,028,809	0002	
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	MORTGAGE LOAN 849400 06568#AE1 NETWORK FINANCE CO PTY LTD 3.64% Due 2/14/2030 JAJ03	B-1	Currency	BARCLAYS BANK PLC	11/13/2017	01/25/2023		199,888,650	3.835/(2.6778)			1,188,221	7,911,711		7,911,711	2,253,801	709,619			1,889,805	0002	
CURRENCY SWAP – PAY FLOATING AUD RECEIVE FIXED USD	JP MORGAN CHASE BANK NA	D-1	Currency	JP MORGAN CHASE BANK NA	11/16/2017	02/14/2030		56,925,000	3.64/(3.315)			99,230	6,955,771		6,955,771	3,797,743	172,453			928,227	0002	
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	MORTGAGE LOAN 718500 06568#AA7 OSARS Western Roads Package (Private Placement) 4.87% due 09/30/2039	B-1	Currency	CITIBANK NA	11/28/2017	01/25/2022		33,200,000	6.961/(5.7103)			227,530	1,674,696		1,674,696	274,181	116,141			266,395	0002	
CURRENCY SWAP – PAY FIXED AUD RECEIVE FIXED USD	CITIBANK NA	D-1	Currency	CITIBANK NA	12/11/2017	09/30/2039		90,288,000	4.168/(4.87)			(183,596)	524,259		524,259	(1,809,579)	275,925			2,032,270	0002	
CURRENCY SWAP – PAY FIXED CAD RECEIVE FIXED USD	C5793#AK9 MCCA1N FOODS LTD SR-UNSEC 3.68% due 10/23/2030	D-1	Currency	BANK OF AMERICA NA	01/23/2018	10/23/2030		16,079,756	3.735/(3.68)			22,040	772,907		772,907	121,802	(622,554)			270,543	0002	
CURRENCY SWAP – PAY FIXED CAD RECEIVE FIXED USD	C5793#AL7 MCCA1N FOODS LTD SR-UNSEC 3.79% due 10/23/2032	D-1	Currency	BANK OF AMERICA NA	01/23/2018	10/25/2032		26,531,597	3.83/(3.79)			35,246	1,260,548		1,260,548	220,294	(1,027,214)			484,365	0002	
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	G1737#AB5 BULK INFRAST ISSUER PLC SR-UNSEC 2.83% due 03/14/2032	D-1	Currency	JP MORGAN CHASE BANK NA	01/25/2018	03/14/2032		31,427,000	4.23/(2.83)			253,785	5,589,324		5,589,324	907,282	102,204			560,315	0002	
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	G7737#AD6 SCOT1A GAS NETWORKS LTD 4-SR- UNSEC 3.02% due 03/14/2033	D-1	Currency	BANK OF AMERICA NA	01/25/2018	03/14/2033		27,160,500	4.455/(3.02)			226,310	5,070,416		5,070,416	855,705	88,267			502,929	0002	
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	G7737#AC8 SCOT1A GAS NETWORKS LTD 3-SR- UNSEC 2.9% due 03/14/2030	D-1	Currency	BARCLAYS BANK PLC	01/25/2018	03/14/2030		15,720,100	4.306/(2.9)			127,924	2,716,314		2,716,314	394,636	51,102			257,257	0002	
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	MORTGAGE LOAN 853700	B-1	Currency	HSBC BANK USA	01/29/2018	01/15/2023		277,192,800	4.237/(2.7705)			2,397,670	33,802,010		33,802,010	3,037,395	914,258			2,610,600	0002	
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	MORTGAGE LOAN 854600	B-1	Currency	JP MORGAN CHASE BANK NA	02/20/2018	01/30/2025		203,101,500	4.3235/(2.8436)			1,720,668	26,935,743		26,935,743	3,197,701	673,615			2,401,365	0002	
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	MORTGAGE LOAN 855400 N7591#AA9 ROTTERDAM WORLD GATEWAY B.V. SR- UNSEC 2.47% due 03/31/2036	B-1	Currency	BANK OF AMERICA NA	02/21/2018	04/24/2023		49,831,944	4.1255/(2.5801)			436,340	5,958,272		5,958,272	572,699	165,665			486,926	0002	
CURRENCY SWAP – PAY FIXED EUR RECEIVE FIXED USD	JP MORGAN CHASE BANK NA	D-1	Currency	JP MORGAN CHASE BANK NA	03/06/2018	03/31/2036		84,320,000	4.705/(2.47)			1,028,732	9,055,165		9,055,165	745,147	588,255			1,726,213	0002	
CURRENCY SWAP – PAY FLOATING GBP RECEIVE FLOATING USD	MORTGAGE LOAN 855500	B-1	Currency	BARCLAYS BANK PLC	03/14/2018	05/16/2020		13,385,997	7.11975/(5.22475)			163,620	1,281,807		1,281,807	(50,901)	44,540			62,766	0002	

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	MORTGAGE LOAN 855000	B-1	Currency	JP MORGAN CHASE BANK NA	03/19/2018	04/01/2023		27,799,200	4.27/(2.7074)			250,912	3,464,537		3,464,537	314,922	91,983			269,386		0002
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	MORTGAGE LOAN 854900	B-1	Currency	JP MORGAN CHASE BANK NA	03/21/2018	10/20/2027		323,750,700	4.1925/(2.82)			2,634,080	46,592,643		46,592,643	6,945,979	1,068,957			4,667,046		0002
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	MORTGAGE LOAN 803402	B-1	Currency	CITIBANK NA	04/10/2018	10/15/2026		22,657,830	4.312/(2.8898)			192,365	3,410,412		3,410,412	451,370	74,283			306,062		0002
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	MORTGAGE LOAN 855500	B-1	Currency	BARCLAYS BANK PLC	04/12/2018	05/16/2020		7,094,000	7.10425/(5.22475)			88,867	785,319		785,319	(28,770)	23,228			33,263		0002
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	MORTGAGE LOAN 859500	B-1	Currency	BANK OF AMERICA NA	04/24/2018	04/15/2033		72,664,800	4.397/(2.9087)			624,587	12,131,265		12,131,265	2,152,056	241,572			1,349,823		0002
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	MORTGAGE LOAN 860000	B-1	Currency	CITIBANK NA	05/09/2018	04/25/2023		247,338,000	4.456/(2.7564)			2,267,134	24,238,971		24,238,971	2,639,923	845,503			2,417,695		0002
CURRENCY SWAP – PAY FIXED AUD RECEIVE FIXED USD	065688AH4 NETWORK FINANCE CO PTY LTD SR- SEC 4.36% due 12/13/2028	D-1	Currency	BANK OF AMERICA NA	06/13/2018	12/13/2028		49,322,000	4.205/(4.36)			34,376	3,056,773		3,056,773	(867,360)	149,459			758,622		0002
CURRENCY SWAP – PAY FIXED AUD RECEIVE FIXED USD	7107B 101 MILLER STREET 01A	BA-1	Currency	JP MORGAN CHASE BANK NA	06/13/2018	12/21/2022		23,115,113	3.76/(3.425)			75,692	1,697,562		1,697,562	(103,677)	70,165			215,586		0002
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	MORTGAGE LOAN 854600	B-1	Currency	JP MORGAN CHASE BANK NA	06/26/2018	01/30/2025		73,167,650	4.2695/(2.7)			595,712	5,739,768		5,739,768	1,045,975	256,748			865,096		0002
CURRENCY SWAP – PAY FIXED EUR RECEIVE FIXED USD	G7996#AD2 SEGRO PLC SR-UNSEC 1.82% due 10/12/2028	D-1	Currency	CITIBANK NA	07/12/2018	10/12/2028		36,177,000	4.277/(1.82)			455,999	1,435,875		1,435,875	(149,323)	268,175			551,422		0002
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	MORTGAGE LOAN 855100	B-1	Currency	BANK OF AMERICA NA	08/30/2018	07/15/2024		15,177,500	5.938/(4.2821)			127,285	902,136		902,136	215,821	54,238			170,478		0002
CURRENCY SWAP – PAY FIXED EUR RECEIVE FIXED USD	A77769417 IVORY COAST SR UNSEC 6.625% due 03/22/2048	D-1	Currency	JP MORGAN CHASE BANK NA	09/06/2018	03/22/2048		3,485,700	9.9225/(6.625)			(45,472)	137,806		137,806	(255,098)	25,952			93,447		0002
CURRENCY SWAP – PAY FIXED CAD RECEIVE FIXED USD	C0461#AA3 AURORA SOLAR LTD PTNSP SR-UNSEC 4.113% due 12/31/2033	D-1	Currency	JP MORGAN CHASE BANK NA	09/07/2018	12/31/2033		51,230,557	4.425/(4.113)			85,794	278,223		278,223	284,874	(2,137,623)			975,907		0002
CURRENCY SWAP – PAY FIXED AUD RECEIVE FIXED USD	MORTGAGE LOAN 801400	B-1	Currency	CITIBANK NA	10/01/2018	10/15/2023		14,873,200	4.324/(3.885)			36,291	444,590		444,590	(131,233)	47,367			154,135		0002
CURRENCY SWAP – PAY FIXED EUR RECEIVE FIXED USD	MORTGAGE LOAN 803403	B-1	Currency	CREDIT AGRICOLE	10/22/2018	10/15/2026		20,828,152	4.6775/(2.988)			177,019	1,529,670		1,529,670	354,740	74,585			281,346		0002
CURRENCY SWAP – PAY FIXED EUR RECEIVE FIXED USD	AV3038586 REPUBLIC OF KAZAKHSTAN SR UNSEC 2.375% due 11/09/2028	D-1	Currency	CITIBANK NA	11/05/2018	11/09/2028		10,036,400	5.181/(2.375)			141,749	371,730		371,730	(57,198)	76,127			153,608		0002
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	MORTGAGE LOAN 855500	B-1	Currency	BARCLAYS BANK PLC	11/14/2018	05/16/2020		7,765,200	6.89325/(5.22475)			60,197	148,470		148,470	(8,348)	27,874			36,411		0002
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	MORTGAGE LOAN 711700	B-1	Currency	CITIBANK NA	11/15/2018	10/25/2025		17,959,327	4.3275/(4.13127)			12,540	3,321,594		3,321,594	1,169,265	65,386			225,853		0002

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART A - SECTION 1

Showing all Options, Caps, Floors, Collars, Swaps and Forwards Open as of Current Statement Date

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Description	Description of Item(s) Hedged, Used for Income Generation or Replicated	Schedule/ Exhibit Identifier	Type(s) of Risk(s) (a)	Exchange, Counterparty or Central Clearinghouse	Trade Date	Date of Maturity or Expiration	Number of Contracts	Notional Amount	Strike Price, Rate or Index Received (Paid)	Cumulative Prior Year(s) Initial Cost of Un-discounted Premium (Received) Paid	Current Year Initial Cost of Un-discounted Premium (Received) Paid	Current Year Income	Book/ Adjusted Carrying Value	Code	Fair Value	Unrealized Valuation Increase/ (Decrease)	Total Foreign Exchange Change in B./A.C.V.	Current Year's (Amortization)/ Accretion	Adjustment to Carrying Value of Hedged Item	Potential Exposure	Credit Quality of Reference Entity	Hedge Effectiveness at Inception and at Quarter-end (b)
CURRENCY SWAP – PAY FIXED CAD RECEIVE FIXED USD	218493AA2 CORDELIO AMALCO LP I A-SR-UNSEC 4.087% due 09/30/2034	D-1	Currency	BANK OF AMERICA NA B4TYDEB6GMZ0031MB27	.11/29/2018	.09/30/2034		.34,334,886	.4.45/(4.087)			.66,166	(.79,184)		(.79,184)	.124,275	(.1,459,108)			.670,696		0002
CURRENCY SWAP – PAY FIXED CAD RECEIVE FIXED USD	218493AB0 CORDELIO AMALCO LP I B-SR-UNSEC 4.087% due 06/30/2034	D-1	Currency	BANK OF AMERICA NA B4TYDEB6GMZ0031MB27	.11/29/2018	.06/30/2034		.34,435,252	.4.45/(4.087)			.48,751	(.32,475)		(.32,475)	.178,464	(.1,460,446)			.667,079		0002
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	MORTGAGE LOAN 855100 .479142D#5 JOHNSON	B-1	Currency	BANK OF AMERICA NA B4TYDEB6GMZ0031MB27	.12/04/2018	.07/15/2024		.16,588,000	.5.9/(4.2331)			.134,517	.635,964		.635,964	.231,263	.60,393			.186,321		0002
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	MATTHEY PLC SR-UNSEC 2.54% due 12/19/2025	D-1	Currency	BANK OF AMERICA NA B4TYDEB6GMZ0031MB27	.12/10/2018	.12/19/2025		.29,049,000	.3.965/(2.54)			.206,451	.655,654		.655,654	.438,163	.106,849			.369,640		0002
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	G2854#AA0 DUDGEON OFFSHORE WIND LTD SR-UNSEC 2.74% due 06/15/2032	D-1	Currency	CREDIT AGRICOLE .... 1VUV7VQFKUQ0SJ21A208	.12/12/2018	.06/15/2032		.42,351,505	.4.1825/(2.74)			.310,464	.1,268,001		.1,268,001	.775,600	.161,587			.762,617		0002
CURRENCY SWAP – PAY FIXED CAD RECEIVE FIXED USD	C0237#AA6 ALTIMA DENTAL CANADA HLDGS-INC 11 1/4% Due 6/15/2023 FMAN28 11.25% due 06/15/2023	D-1	Currency	CITIBANK NA E570DZIWZ7F32TWIFA76	.01/28/2019	.11/30/2019		.8,443,899	.13.8/(23.67)			(.105,052)	(.55,643)		(.55,643)	.45,912	(.101,555)			.27,335		0002
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	MORTGAGE LOAN 849400	B-1	Currency	BARCLAYS BANK PLC G5GSEF7VJP5170UK5573	.02/26/2019	.01/25/2023		.6,631,250	.4.18/(2.8483)			.33,335	.384,061		.384,061	.102,582	.281,479			.62,694		0002
CURRENCY SWAP – PAY FIXED EUR RECEIVE FIXED USD	MORTGAGE LOAN 876200	B-1	Currency	CITIBANK NA E570DZIWZ7F32TWIFA76	.03/06/2019	.01/15/2024		.77,096,979	.4.732/(1.9)			.675,622	.757,836		.757,836	.1,166,814	(.408,978)			.822,082		0002
CURRENCY SWAP – PAY FIXED EUR RECEIVE FIXED USD	MORTGAGE LOAN 876200	B-1	Currency	CITIBANK NA E570DZIWZ7F32TWIFA76	.03/06/2019	.01/15/2024		.24,702,021	.4.668/(1.9)			.329,393	.329,393		.329,393	.460,430	(.131,037)			.263,397		0002
CURRENCY SWAP – PAY FIXED GBP RECEIVE FIXED USD	MORTGAGE LOAN 879400	B-1	Currency	JP MORGAN CHASE BANK NA 7H6GLXDRUGQFUS7PNE97	.04/15/2019	.04/15/2023		.72,828,048	.3.982/(2.7)			.201,822	.3,274,951		.3,274,951	.1,005,556	.2,269,395			.709,328		0002
CURRENCY SWAP – PAY FLOATING GBP RECEIVE FLOATING USD	MORTGAGE LOAN 855500	B-1	Currency	JP MORGAN CHASE BANK NA 7H6GLXDRUGQFUS7PNE97	.06/11/2019	.05/16/2020		.8,260,850	.6.91613/(5.22463)			.6,875	.4,440		.4,440	(.1,708)	.6,148			.38,735		0002
0939999999. Subtotal - Swaps - Hedging Other - Foreign Exchange											(8,938)	45,153,071	398,294,093	XXX	398,294,093	104,950,546	21,590,856			86,397,943	XXX	XXX
0969999999. Subtotal - Swaps - Hedging Other										(3,293,290)	(8,938)	44,307,287	407,038,092	XXX	407,038,092	112,346,811	21,590,856	402,200		88,164,074	XXX	XXX
ASSET SWAP – RECEIVE FIXED PAY FLOATING	912828S50 TSY INFL IX N/B United States Treasury In .125 0.125% due 07/15/2026	DB PART C-1	Interest Rate	JP MORGAN CHASE BANK NA 7H6GLXDRUGQFUS7PNE97	.11/04/2016	.07/15/2026		.10,000,000	.2.158/(0.125)			.102,173	(.474,445)		(.474,445)					.132,727	1	N/A
0979999999. Subtotal - Swaps - Replication - Interest Rate												102,173		XXX	(474,445)					.132,727	XXX	XXX
CREDIT DEFAULT SWAP – CDX.NA.1G25 SR. TRANCHE	912810QA9 US TREASURY N/B United States Treasury No 3.5 3.5% due 02/15/2039	DB PART C-1	Credit	GOLDMAN SACHS BANK USA KD3XUN7C6T14#NAYLU02	.07/27/2016	.12/20/2020		.50,000,000	.1.00/CREDIT EVENT	.99,653		.251,389	.33,964		.734,339			(.11,318)		.50,000,000	1	N/A
CREDIT DEFAULT SWAP – CDX.NA.1G25 SR. TRANCHE	912810QS0 US TREASURY N/B United States Treasury No 3.75 3.75% due 08/15/2041	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE I7331XVCZKQKX57XV54	.07/28/2016	.12/20/2020		.50,000,000	.1.00/CREDIT EVENT	.139,167		.251,389	.47,436		.734,339			(.15,811)		.50,000,000	1	N/A

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART A - SECTION 1

Showing all Options, Caps, Floors, Collars, Swaps and Forwards Open as of Current Statement Date

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CREDIT DEFAULT SWAP - CDX.NA.1G25 SR. TRANCHE	912810Q78 US TREASURY N/B United States Treasury No 3.12 3.125% due 11/15/2041	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	07/28/2016	12/20/2020		50,000,000	1.00/CREDIT EVENT	149,167		251,389	50,840		734,339			(16,946)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G25 SR. TRANCHE	912810QJ5 US TREASURY N/B United States Treasury No 3.12 3.125% due 02/15/2042	DB PART C-1	Credit	CITIBANK NA	07/29/2016	12/20/2020		50,000,000	1.00/CREDIT EVENT	140,556		251,389	47,939		734,339			(15,979)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G25 SR. TRANCHE	912810QK7 US TREASURY N/B United States Treasury No 3.87 3.875% due 08/15/2040	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	08/02/2016	12/20/2020		50,000,000	1.00/CREDIT EVENT	149,861		251,389	51,170		734,339			(17,056)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G25 SR. TRANCHE	912810RE0 US TREASURY N/B United States Treasury No 3.62 3.625% due 02/15/2044	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	09/01/2016	12/20/2020		50,000,000	1.00/CREDIT EVENT	524,653		251,389	182,308		734,339			(60,875)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G25 SR. TRANCHE	912810RE0 US TREASURY N/B United States Treasury No 3.62 3.625% due 02/15/2044	DB PART C-1	Credit	BANK OF AMERICA NA	09/01/2016	12/20/2020		50,000,000	1.00/CREDIT EVENT	477,778		251,389	166,072		734,339			(55,442)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G25 SR. TRANCHE	912810QJ5 US TREASURY N/B United States Treasury No 3.12 3.125% due 02/15/2042	DB PART C-1	Credit	BANK OF AMERICA NA	09/12/2016	12/20/2020		50,000,000	1.00/CREDIT EVENT	430,556		251,389	150,454		734,339			(50,217)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G25 SR. TRANCHE	912810QJ5 US TREASURY N/B United States Treasury No 3.12 3.125% due 02/15/2042	DB PART C-1	Credit	BANK OF AMERICA NA	09/13/2016	12/20/2020		25,000,000	1.00/CREDIT EVENT	184,722		125,694	64,616		367,170			(21,561)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G25 SR. TRANCHE	912810QJ5 US TREASURY N/B United States Treasury No 3.12 3.125% due 02/15/2042	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	09/13/2016	12/20/2020		25,000,000	1.00/CREDIT EVENT	192,535		125,694	67,342		367,170			(22,472)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	3136A6UR3 FNR 2012-63 ZA Z SEQ 4% due 06/25/2042	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	09/27/2016	12/20/2021		25,000,000	1.00/CREDIT EVENT	177,431		125,694	85,032		505,135			(16,824)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	3136A6P40 FNR 2012-76 DZ Z SEQ 4% due 07/25/2042	DB PART C-1	Credit	CITIBANK NA	09/27/2016	12/20/2021		25,000,000	1.00/CREDIT EVENT	193,056		125,694	92,504		505,135			(18,306)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	3136A6P40 FNR 2012-76 DZ Z SEQ 4% due 07/25/2042	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	09/28/2016	12/20/2021		50,000,000	1.00/CREDIT EVENT	403,125		251,389	193,442		1,010,269			(38,285)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	3136A6P40 FNR 2012-76 DZ Z SEQ 4% due 07/25/2042	DB PART C-1	Credit	CITIBANK NA	09/29/2016	12/20/2021		40,000,000	1.00/CREDIT EVENT	331,111		201,111	158,958		808,215			(31,462)		40,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	912810QK7 US TREASURY N/B United States Treasury No 3.87 3.875% due 08/15/2040	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	09/29/2016	12/20/2021		50,000,000	1.00/CREDIT EVENT	413,889		251,389	198,698		1,010,269			(39,328)		50,000,000	1	N/A



STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART A - SECTION 1

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CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	9128100X9 US TREASURY N/B United States Treasury No 2.75 2.75% due 08/15/2042	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	09/29/2016	12/20/2021		50,000,000	1.00/CREDIT EVENT	357,639		251,389	171,747		1,010,269			(33,982)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	9128100X9 US TREASURY N/B United States Treasury No 2.75 2.75% due 08/15/2042	DB PART C-1	Credit	CITIBANK NA	09/29/2016	12/20/2021		50,000,000	1.00/CREDIT EVENT	357,639		251,389	171,747		1,010,269			(33,982)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	912810FP8 US TREASURY N/B United States Treasury No 5.37 5.375% due 02/15/2031	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/04/2016	12/20/2021		50,000,000	1.00/CREDIT EVENT	489,583		251,389	235,304		1,010,269			(46,593)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	912810RB6 US TREASURY N/B United States Treasury No 2.87 2.875% due 05/15/2043	DB PART C-1	Credit	BANK OF AMERICA NA	10/14/2016	12/20/2021		50,000,000	1.00/CREDIT EVENT	534,722		251,389	258,537		1,010,269			(51,208)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	912810RB6 US TREASURY N/B United States Treasury No 2.87 2.875% due 05/15/2043	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/19/2016	12/20/2021		50,000,000	1.00/CREDIT EVENT	619,792		251,389	300,309		1,010,269			(59,512)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	912810RB6 US TREASURY N/B United States Treasury No 2.87 2.875% due 05/15/2043	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	10/19/2016	12/20/2021		50,000,000	1.00/CREDIT EVENT	616,667		251,389	298,800		1,010,269			(59,212)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	912810RB6 US TREASURY N/B United States Treasury No 2.87 2.875% due 05/15/2043	DB PART C-1	Credit	CITIBANK NA	10/19/2016	12/20/2021		50,000,000	1.00/CREDIT EVENT	621,667		251,389	301,214		1,010,269			(59,692)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	912810RB6 US TREASURY N/B United States Treasury No 2.87 2.875% due 05/15/2043	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	10/20/2016	12/20/2021		50,000,000	1.00/CREDIT EVENT	643,056		251,389	311,704		1,010,269			(61,779)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	912810RB6 US TREASURY N/B United States Treasury No 2.87 2.875% due 05/15/2043	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/21/2016	12/20/2021		50,000,000	1.00/CREDIT EVENT	638,194		251,389	309,516		1,010,269			(61,344)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	912810RB6 US TREASURY N/B United States Treasury No 2.87 2.875% due 05/15/2043	DB PART C-1	Credit	CITIBANK NA	10/21/2016	12/20/2021		50,000,000	1.00/CREDIT EVENT	638,194		251,389	309,516		1,010,269			(61,344)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	912810RB6 US TREASURY N/B United States Treasury No 2.87 2.875% due 05/15/2043	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	10/21/2016	12/20/2021		50,000,000	1.00/CREDIT EVENT	638,194		251,389	309,517		1,010,269			(61,344)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	912810RB6 US TREASURY N/B United States Treasury No 2.87 2.875% due 05/15/2043	DB PART C-1	Credit	CITIBANK NA	10/21/2016	12/20/2021		50,000,000	1.00/CREDIT EVENT	638,194		251,389	309,516		1,010,269			(61,344)		50,000,000	1	N/A

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART A - SECTION 1

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Description	Description of Item(s) Hedged, Used for Income Generation or Replicated	Schedule/ Exhibit Identifier	Type(s) of Risk(s) (a)	Exchange, Counterparty or Central Clearinghouse	Trade Date	Date of Maturity or Expiration	Number of Contracts	Notional Amount	Strike Price, Rate or Index Received (Paid)	Cumulative Prior Year(s) Initial Cost of Un-discounted Premium (Received) Paid	Current Year Initial Cost of Un-discounted Premium (Received) Paid	Current Year Income	Book/ Adjusted Carrying Value	Code	Fair Value	Unrealized Valuation Increase/ (Decrease)	Total Foreign Exchange Change in B./A.C.V.	Current Year's (Amortization)/ Accretion	Adjustment to Carrying Value of Hedged Item	Potential Exposure	Credit Quality of Reference Entity	Hedge Effectiveness at Inception and at Quarter-end (b)
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	912810RB6 US TREASURY N/B United States Treasury No 2.87 2.875% due 05/15/2043	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	10/21/2016	12/20/2021		50,000,000	1.00/CREDIT EVENT	638,194		251,389	309,517		1,010,269			(61,344)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	912810RB6 US TREASURY N/B United States Treasury No 2.87 2.875% due 05/15/2043	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/24/2016	12/20/2021		50,000,000	1.00/CREDIT EVENT	661,111		251,389	320,758		1,010,269			(63,580)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	912810RB6 US TREASURY N/B United States Treasury No 2.87 2.875% due 05/15/2043	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/24/2016	12/20/2021		30,000,000	1.00/CREDIT EVENT	396,667		150,833	192,455		606,161			(38,148)		30,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	912810RB6 US TREASURY N/B United States Treasury No 2.87 2.875% due 05/15/2043	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	10/24/2016	12/20/2021		50,000,000	1.00/CREDIT EVENT	661,111		251,389	320,758		1,010,269			(63,580)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	912810RB6 US TREASURY N/B United States Treasury No 2.87 2.875% due 05/15/2043	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	10/25/2016	12/20/2021		100,000,000	1.00/CREDIT EVENT	1,325,000		502,778	643,194		2,020,538			(127,494)		100,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	912810RB6 US TREASURY N/B United States Treasury No 2.87 2.875% due 05/15/2043	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	10/25/2016	12/20/2021		125,000,000	1.00/CREDIT EVENT	1,656,250		628,472	803,993		2,525,673			(159,368)		125,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	912810RB6 US TREASURY N/B United States Treasury No 2.87 2.875% due 05/15/2043	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/26/2016	12/20/2021		150,000,000	1.00/CREDIT EVENT	1,879,167		754,167	913,808		3,030,807			(181,099)		150,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	912810QL5 US TREASURY N/B United States Treasury No 4.25 4.25% due 11/15/2040	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/28/2016	12/20/2021		100,000,000	1.00/CREDIT EVENT	1,158,333		502,778	564,010		2,020,538			(111,745)		100,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	912810Q80 US TREASURY N/B United States Treasury No 3.75 3.75% due 08/15/2041	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	10/31/2016	12/20/2021		100,000,000	1.00/CREDIT EVENT	1,036,668		502,778	505,200		2,020,538			(100,058)		100,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	912810FM5 US TREASURY N/B United States Treasury No 6.25 6.25% due 05/15/2030	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	11/10/2016	12/20/2021		100,000,000	1.00/CREDIT EVENT	1,254,444		502,778	615,138		2,020,538			(121,913)		100,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	912810FM5 US TREASURY N/B United States Treasury No 6.25 6.25% due 05/15/2030	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	11/10/2016	12/20/2021		125,000,000	1.00/CREDIT EVENT	1,505,556		628,472	738,374		2,525,673			(146,315)		125,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	912810QY7 US TREASURY N/B United States Treasury No 2.75 2.75% due 11/15/2042	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	11/14/2016	12/20/2021		100,000,000	1.00/CREDIT EVENT	975,556		502,778	478,991		2,020,538			(94,852)		100,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G27 SR. TRANCHE	912810QY7 US TREASURY N/B United States Treasury No 2.75 2.75% due 11/15/2042	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	11/15/2016	12/20/2021		100,000,000	1.00/CREDIT EVENT	1,218,333		502,778	598,115		2,020,538			(118,527)		100,000,000	1	N/A

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART A - SECTION 1

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Description	Description of Item(s) Hedged, Used for Income Generation or Replicated	Schedule/ Exhibit Identifier	Type(s) of Risk(s) (a)	Exchange, Counterparty or Central Clearinghouse	Trade Date	Date of Maturity or Expiration	Number of Contracts	Notional Amount	Strike Price, Rate or Index Received (Paid)	Cumulative Prior Year(s) Initial Cost of Un-discounted Premium (Received) Paid	Current Year Initial Cost of Un-discounted Premium (Received) Paid	Current Year Income	Book/ Adjusted Carrying Value	Code	Fair Value	Unrealized Valuation Increase/ (Decrease)	Total Foreign Exchange Change in B./A.C.V.	Current Year's (Amortization)/ Accretion	Adjustment to Carrying Value of Hedged Item	Potential Exposure	Credit Quality of Reference Entity	Hedge Effectiveness at Inception and at Quarter-end (b)
CREDIT DEFAULT SWAP – CDX.NA.1G27 SR.	912810Q17 US TREASURY N/B United States Treasury No 2.75 2.75% due 11/15/2042	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	11/16/2016	12/20/2021		80,000,000	1.00/CREDIT EVENT	1,008,889		402,222	496,018		1,616,431			(98,307)		80,000,000	1	N/A
CREDIT DEFAULT SWAP – CDX.NA.HY27 SR.	3136A6UR3 FNR 2012-63 ZA Z SEQ 4% due 06/25/2042	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	04/06/2017	12/20/2021		48,308,654	5.00/CREDIT EVENT	9,545,790		1,208,678	5,072,610		5,712,159			(1,158,340)		48,308,654	1	N/A
CREDIT DEFAULT SWAP – CDX.NA.HY27 SR.	3136A6UR3 FNR 2012-63 ZA Z SEQ 4% due 06/25/2042	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	04/10/2017	12/20/2021		48,308,654	5.00/CREDIT EVENT	9,567,797		1,208,678	5,089,392		5,712,159			(1,162,378)		48,308,654	1	N/A
CREDIT DEFAULT SWAP – CDX.NA.HY27 SR.	38378DCV5 GNR 2012-16 VZ Z SEQ 3.5% due 02/20/2042	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	04/12/2017	12/20/2021		48,308,654	5.00/CREDIT EVENT	9,547,401		1,208,678	5,090,195		5,712,159			(1,162,571)		48,308,654	1	N/A
CREDIT DEFAULT SWAP – CDX.NA.HY27 SR.	38378DCV5 GNR 2012-16 VZ Z SEQ 3.5% due 02/20/2042	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	04/12/2017	12/20/2021		48,308,654	5.00/CREDIT EVENT	9,523,246		1,208,678	5,077,863		5,712,159			(1,159,604)		48,308,654	1	N/A
CREDIT DEFAULT SWAP – CDX.NA.HY27 SR.	3136A65T7 FNR 2012-73 ZM EXCH Z SEQ 4% due 07/25/2042	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	04/17/2017	12/20/2021		48,308,654	5.00/CREDIT EVENT	9,566,455		1,208,678	5,108,366		5,712,159			(1,166,945)		48,308,654	1	N/A
CREDIT DEFAULT SWAP – CDX.NA.HY27 SR.	3136A65T7 FNR 2012-73 ZM EXCH Z SEQ 4% due 07/25/2042	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	04/18/2017	12/20/2021		48,308,654	5.00/CREDIT EVENT	9,558,672		1,208,678	5,107,206		5,712,159			(1,166,665)		48,308,654	1	N/A
CREDIT DEFAULT SWAP – CDX.NA.1G29 SR.	912810QK7 US TREASURY N/B United States Treasury No 3.87 3.875% due 08/15/2040	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	09/27/2017	12/20/2022		50,000,000	1.00/CREDIT EVENT	881,111		251,389	589,911		1,163,260			(83,094)		50,000,000	1	N/A
CREDIT DEFAULT SWAP – CDX.NA.1G29 SR.	912810QK7 US TREASURY N/B United States Treasury No 3.87 3.875% due 08/15/2040	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	10/04/2017	12/20/2022		60,000,000	1.00/CREDIT EVENT	1,075,000		301,667	722,667		1,395,912			(101,808)		60,000,000	1	N/A
CREDIT DEFAULT SWAP – CDX.NA.1G29 SR.	38378ONL7 GNR 2012-7 PE PAC-1-11 3.5% due 01/20/2042	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/11/2017	12/20/2022		50,000,000	1.00/CREDIT EVENT	905,556		251,389	610,636		1,163,260			(86,033)		50,000,000	1	N/A
CREDIT DEFAULT SWAP – CDX.NA.1G29 SR.	38378MBD6 GNR 2013-23 ZC Z SEQ 3% due 02/20/2043	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	10/12/2017	12/20/2022		50,000,000	1.00/CREDIT EVENT	881,944		251,389	595,070		1,163,260			(83,825)		50,000,000	1	N/A
CREDIT DEFAULT SWAP – CDX.NA.1G29 SR.	31378GJS9 FHR 4444 CZ Z SEQ 3% due 02/15/2045	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	10/12/2017	12/20/2022		50,000,000	1.00/CREDIT EVENT	881,944		251,389	595,070		1,163,260			(83,825)		50,000,000	1	N/A
CREDIT DEFAULT SWAP – CDX.NA.1G29 SR.	31378IV50 FHR 4663 ZK Z SEQ 3.5% due 06/15/2046	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	10/16/2017	12/20/2022		50,000,000	1.00/CREDIT EVENT	902,500		251,389	609,531		1,163,260			(85,877)		50,000,000	1	N/A
CREDIT DEFAULT SWAP – CDX.NA.1G29 SR.	31378IHK3 FHR 4665 NZ Z SEQ 3.5% due 02/15/2047	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/16/2017	12/20/2022		50,000,000	1.00/CREDIT EVENT	902,500		251,389	609,531		1,163,260			(85,877)		50,000,000	1	N/A
CREDIT DEFAULT SWAP – CDX.NA.1G29 SR.	31378DCS3 FHR 4377 LZ Z SEQ 3% due 08/15/2044	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/19/2017	12/20/2022		50,000,000	1.00/CREDIT EVENT	916,667		251,389	620,682		1,163,260			(87,459)		50,000,000	1	N/A
CREDIT DEFAULT SWAP – CDX.NA.1G29 SR.	3136A9LM8 FNR 2012-114 ZG Z SEQ 3.5% due 10/25/2042	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/25/2017	12/20/2022		100,000,000	1.00/CREDIT EVENT	1,840,000		502,778	1,249,772		2,326,520			(176,111)		100,000,000	1	N/A
CREDIT DEFAULT SWAP – CDX.NA.1G29 SR.	3136AKS53 FNR 2014-53 VZ Z SEQ 3.5% due 09/25/2044	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	11/07/2017	12/20/2022		100,000,000	1.00/CREDIT EVENT	1,876,111		502,778	1,281,589		2,326,520			(180,628)		100,000,000	1	N/A
CREDIT DEFAULT SWAP – CDX.NA.1G29 SR.	38377MTH9 GNR 2010-144 DC EXCH PAC-1-11 4% due 11/16/2040	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	11/07/2017	12/20/2022		50,000,000	1.00/CREDIT EVENT	923,056		251,389	630,579		1,163,260			(88,864)		50,000,000	1	N/A

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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Description	Description of Item(s) Hedged, Used for Income Generation or Replicated	Schedule/ Exhibit Identifier	Type(s) of Risk(s) (a)	Exchange, Counterparty or Central Clearinghouse	Trade Date	Date of Maturity or Expiration	Number of Contracts	Notional Amount	Strike Price, Rate or Index Received (Paid)	Cumulative Prior Year(s) Initial Cost of Un-discounted Premium (Received) Paid	Current Year Initial Cost of Un-discounted Premium (Received) Paid	Current Year Income	Book/ Adjusted Carrying Value	Code	Fair Value	Unrealized Valuation Increase/ (Decrease)	Total Foreign Exchange Change in B./A.C.V.	Current Year's (Amortization)/ Accretion	Adjustment to Carrying Value of Hedged Item	Potential Exposure	Credit Quality of Reference Entity	Hedge Effectiveness at Inception and at Quarter-end (b)
CREDIT DEFAULT SWAP - CDX.NA.1G29 SR. TRANCHE	3137BVEK8 FHR 4655 HZ EXCH Z SEQ 3.5% due 02/15/2047	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	11/07/2017	12/20/2022		50,000,000	1.00/CREDIT EVENT	923,056		251,389	630,579		1,163,260			(88,864)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G29 SR. TRANCHE	3136AKGN8 FNR 2014-65 CB SEQ 3% due 10/25/2044	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	11/08/2017	12/20/2022		100,000,000	1.00/CREDIT EVENT	1,838,889		502,778	1,258,222		2,326,520			(177,310)		100,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G29 SR. TRANCHE	3136AJK96 FNR 2014-28 ZA Z SEQ 3% due 05/25/2044	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	11/08/2017	12/20/2022		30,000,000	1.00/CREDIT EVENT	551,667		150,833	377,466		697,956			(53,193)		30,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G29 SR. TRANCHE	38378MBJ3 GNR 2013-23 ZU SC Z SEQ 2.5% due 11/20/2042	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	11/09/2017	12/20/2022		50,000,000	1.00/CREDIT EVENT	895,833		251,389	613,325		1,163,260			(86,415)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G29 SR. TRANCHE	3136AHL2 FNR 2014-7 Z Z SEQ 3.5% due 02/25/2044	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	11/14/2017	12/20/2022		50,000,000	1.00/CREDIT EVENT	902,778		251,389	619,043		1,163,260			(87,226)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G29 SR. TRANCHE	38377HBA1 GNR 2011-73 LB PAC-11 4% due 05/20/2041	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	11/14/2017	12/20/2022		50,000,000	1.00/CREDIT EVENT	902,778		251,389	619,043		1,163,260			(87,226)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G29 SR. TRANCHE	3137BWD24 FHR 4668 ZA Z SEQ 3.5% due 02/15/2047	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	11/14/2017	12/20/2022		50,000,000	1.00/CREDIT EVENT	902,778		251,389	619,043		1,163,260			(87,226)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G29 SR. TRANCHE	3136A92X5 FNR 2012-118 ZV Z SEQ 3% due 11/25/2042	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	11/15/2017	12/20/2022		50,000,000	1.00/CREDIT EVENT	879,167		251,389	603,853		1,163,260			(85,071)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G29 SR. TRANCHE	3136AFZE7 FNR 2013-80 ZV Z SEQ 4% due 08/25/2043	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	11/15/2017	12/20/2022		30,000,000	1.00/CREDIT EVENT	527,500		150,833	362,312		697,956			(51,043)		30,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G29 SR. TRANCHE	3136AGT05 FNR 2013-100 CZ Z SEQ 4% due 10/25/2043	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	02/02/2018	12/20/2022		50,000,000	1.00/CREDIT EVENT	977,500		251,389	700,469		1,163,260			(98,792)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G29 SR. TRANCHE	38378FT67 GNR 2013-18 GY PAC-1-11 2.5% due 02/20/2043	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	02/05/2018	12/20/2022		50,000,000	1.00/CREDIT EVENT	981,667		251,389	703,835		1,163,260			(99,271)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G29 SR. TRANCHE	3136AEE1 FNR 2013-53 ZC Z SEQ 3% due 06/25/2043	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	02/05/2018	12/20/2022		50,000,000	1.00/CREDIT EVENT	961,667		251,389	689,536		1,163,260			(97,238)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G29 SR. TRANCHE	3137B2BB5 FHR 4199 VZ Z SEQ 3.5% due 05/15/2043	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	02/05/2018	12/20/2022		25,000,000	1.00/CREDIT EVENT	458,333		125,694	328,678		581,630			(46,333)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G29 SR. TRANCHE	3136ALD21 FNR 2014-60 LZ Z SEQ 3.5% due 10/25/2044	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	02/05/2018	12/20/2022		50,000,000	1.00/CREDIT EVENT	841,667		251,389	603,706		1,163,260			(85,050)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G29 SR. TRANCHE	3136ACSB5 FNR 2013-15 MZ Z SEQ 3.5% due 03/25/2043	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	02/05/2018	12/20/2022		25,000,000	1.00/CREDIT EVENT	425,833		125,694	305,430		581,630			(43,033)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G29 SR. TRANCHE	3136AIVKH9 FNR 2017-31 GB PAC 3% due 05/25/2047	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	02/06/2018	12/20/2022		25,000,000	1.00/CREDIT EVENT	444,028		125,694	318,622		581,630			(44,905)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G29 SR. TRANCHE	3136ACW98 FNR 2013-15 LZ EXCH SC Z PAC SEQ 3% due 03/25/2043	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	02/06/2018	12/20/2022		25,000,000	1.00/CREDIT EVENT	436,528		125,694	313,254		581,630			(44,143)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G29 SR. TRANCHE	3136ABA23 FNR 2012-98 VZ Z SEQ 4% due 09/25/2042	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	02/06/2018	12/20/2022		25,000,000	1.00/CREDIT EVENT	431,528		125,694	309,675		581,630			(43,635)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.1G29 SR. TRANCHE	38378U7W1 GNR 2013-170 LB EXCH SEQ 2.5% due 11/20/2043	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	02/07/2018	12/20/2022		25,000,000	1.00/CREDIT EVENT	434,722		125,694	312,480		581,630			(44,033)		25,000,000	1	N/A

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART A - SECTION 1

Showing all Options, Caps, Floors, Collars, Swaps and Forwards Open as of Current Statement Date

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Description	Description of Item(s) Hedged, Used for Income Generation or Replicated	Schedule/ Exhibit Identifier	Type(s) of Risk(s) (a)	Exchange, Counterparty or Central Clearinghouse	Trade Date	Date of Maturity or Expiration	Number of Contracts	Notional Amount	Strike Price, Rate or Index Received (Paid)	Cumulative Prior Year(s) Initial Cost of Un-discounted Premium (Received) Paid	Current Year Initial Cost of Un-discounted Premium (Received) Paid	Current Year Income	Book/ Adjusted Carrying Value	Code	Fair Value	Unrealized Valuation Increase/ (Decrease)	Total Foreign Exchange Change in B./A.C.V.	Current Year's (Amortization)/ Accretion	Adjustment to Carrying Value of Hedged Item	Potential Exposure	Credit Quality of Reference Entity	Hedge Effectiveness at Inception and at Quarter-end (b)
CREDIT DEFAULT SWAP - CDX.NA.IG29 SR. TRANCHE	3136A6XD1 FNR 2012-56 ZM Z SEQ 4% due 06/25/2042	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	02/08/2018	12/20/2022		25,000,000	1.00/CREDIT EVENT	437,917		125,694	314,945		581,630			(44,383)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG29 SR. TRANCHE	3137BDSR8 FHR 4385 HZ Z SEQ 3% due 09/15/2044	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	02/08/2018	12/20/2022		25,000,000	1.00/CREDIT EVENT	412,917		125,694	297,008		581,630			(41,838)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG29 SR. TRANCHE	3136A2CX9 FNR 2011-110 EIW EXCH AD PAC-11 4.5% due 11/25/2041	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	02/08/2018	12/20/2022		25,000,000	1.00/CREDIT EVENT	410,417		125,694	295,214		581,630			(41,584)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG29 SR. TRANCHE	3137BVXQ4 FHR 4661 GZ Z SEQ 3% due 02/15/2047	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	02/08/2018	12/20/2022		25,000,000	1.00/CREDIT EVENT	407,917		125,694	293,421		581,630			(41,329)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG29 SR. TRANCHE	3136ADH05 FNR 2013-32 ZB Z SEQ 4% due 04/25/2043	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	02/08/2018	12/20/2022		25,000,000	1.00/CREDIT EVENT	380,417		125,694	273,684		581,630			(38,532)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG29 SR. TRANCHE	3137AV3V7 FHR 4122 ZJ Z SEQ 3.5% due 10/15/2042	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	02/08/2018	12/20/2022		25,000,000	1.00/CREDIT EVENT	380,417		125,694	273,684		581,630			(38,532)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG29 SR. TRANCHE	3136AVQNO FNR 2017-30 ZG Z SEQ 3% due 05/25/2047	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	02/09/2018	12/20/2022		25,000,000	1.00/CREDIT EVENT	373,611		125,694	268,947		581,630			(37,861)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG29 SR. TRANCHE	38378DDK8 GNR 2012-16 ZP Z PAC-11 3.5% due 02/20/2042	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	02/09/2018	12/20/2022		25,000,000	1.00/CREDIT EVENT	348,611		125,694	250,988		581,630			(35,318)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG29 SR. TRANCHE	3137BGF27 FHR 4440 ZX SC Z PT 4% due 01/15/2045	DB PART C-1	Credit	CITIBANK NA	02/09/2018	12/20/2022		25,000,000	1.00/CREDIT EVENT	336,111		125,694	242,006		581,630			(34,047)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG29 SR. TRANCHE	38377XGA4 GNR 2011-93 PE PAC-1-11 4% due 07/20/2041	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	02/09/2018	12/20/2022		25,000,000	1.00/CREDIT EVENT	348,611		125,694	250,988		581,630			(35,318)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG29 SR. TRANCHE	3136A6R30 FNR 2012-75 CE PAC-11 3% due 07/25/2042	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	03/22/2018	12/20/2022		25,000,000	1.00/CREDIT EVENT	389,583		125,694	286,934		581,630			(40,409)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG29 SR. TRANCHE	3136AVXM4 FNR 2017-41 Z Z SEQ 3% due 06/25/2047	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	03/22/2018	12/20/2022		75,000,000	1.00/CREDIT EVENT	1,168,750		377,083	860,802		1,744,890			(121,228)		75,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG29 SR. TRANCHE	3137B9FE0 FHR 4314 GZ Z SEQ 3% due 03/15/2044	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	03/23/2018	12/20/2022		75,000,000	1.00/CREDIT EVENT	1,073,333		377,083	791,113		1,744,890			(111,354)		75,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG29 SR. TRANCHE	3136AB2N2 FNR 2013-11 Z Z SEQ 3% due 02/25/2043	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	03/23/2018	12/20/2022		25,000,000	1.00/CREDIT EVENT	345,278		125,694	254,508		581,630			(35,816)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG29 SR. TRANCHE	3136AVQNO FNR 2017-30 ZG Z SEQ 3% due 05/25/2047	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	03/28/2018	12/20/2022		80,000,000	1.00/CREDIT EVENT	1,076,000		402,222	795,439		1,861,216			(111,924)		80,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	3137BVK70 FHR 4660 LA SEQ 3% due 02/15/2047	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	10/03/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	412,500		125,694	354,883		502,136			(38,664)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	3137BVK70 FHR 4660 LA SEQ 3% due 02/15/2047	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	10/04/2018	12/20/2023		50,000,000	1.00/CREDIT EVENT	800,000		251,389	688,639		1,004,271			(75,009)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	912810QK7 US TREASURY N/B United States Treasury No 3.87 3.875% due 08/15/2040	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/04/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	398,750		125,694	343,245		502,136			(37,386)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	3136AVHM4 FNR 2017-4 ZA Z SEQ 3.5% due 02/25/2047	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	10/04/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	382,500		125,694	329,273		502,136			(35,853)		25,000,000	1	N/A

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART A - SECTION 1

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CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	3136AVSF7 FNR 2017-11 ZE Z SEQ 3% due 03/25/2047	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	10/05/2018	12/20/2023		50,000,000	1.00/CREDIT EVENT	737,500		251,389	635,227		1,004,271			(69,149)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	912810Q78 US TREASURY N/B United States Treasury No 3.12 3.125% due 11/15/2041	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/05/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	380,000		125,694	327,292		502,136			(35,636)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	3137BIVV35 FHR 4663 Z Z SEQ 3% due 03/15/2047	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/09/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	356,250		125,694	307,495		502,136			(33,465)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	3137BIVV35 FHR 4663 Z Z SEQ 3% due 03/15/2047	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	10/09/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	356,250		125,694	307,495		502,136			(33,465)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	912810Q78 US TREASURY N/B United States Treasury No 3.12 3.125% due 11/15/2041	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/10/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	350,000		125,694	302,262		502,136			(32,892)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	912810Q78 US TREASURY N/B United States Treasury No 3.12 3.125% due 11/15/2041	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	10/10/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	350,000		125,694	302,262		502,136			(32,892)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	912810Q78 US TREASURY N/B United States Treasury No 3.12 3.125% due 11/15/2041	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	10/10/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	335,000		125,694	289,321		502,136			(31,475)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	912810Q78 US TREASURY N/B United States Treasury No 3.12 3.125% due 11/15/2041	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	10/10/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	325,000		125,694	280,693		502,136			(30,530)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	912810Q78 US TREASURY N/B United States Treasury No 3.12 3.125% due 11/15/2041	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/11/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	317,500		125,694	274,364		502,136			(29,838)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	912810Q78 US TREASURY N/B United States Treasury No 3.12 3.125% due 11/15/2041	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	10/11/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	315,000		125,694	272,206		502,136			(29,601)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	38378IVVNO GNR 2013-124 BZ Z SEQ 3.5% due 08/20/2043	DB PART C-1	Credit	CITIBANK NA	10/11/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	325,000		125,694	280,839		502,136			(30,546)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	3136AVH93 FNR 2017-17 ZL Z SEQ 3% due 03/25/2047	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	10/11/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	325,000		125,694	280,839		502,136			(30,546)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	912810Q90 US TREASURY N/B United States Treasury No 3.75 3.75% due 08/15/2041	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	10/11/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	305,000		125,694	263,572		502,136			(28,657)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	38378PG77 GNR 2014-12 AY EXCH SEQ 3% due 01/20/2044	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	10/11/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	325,000		125,694	280,839		502,136			(30,546)		25,000,000	1	N/A

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

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Description	Description of Item(s) Hedged, Used for Income Generation or Replicated	Schedule/ Exhibit Identifier	Type(s) of Risk(s) (a)	Exchange, Counterparty or Central Clearinghouse	Trade Date	Date of Maturity or Expiration	Number of Contracts	Notional Amount	Strike Price, Rate or Index Received (Paid)	Cumulative Prior Year(s) Initial Cost of Un-discounted Premium (Received) Paid	Current Year Initial Cost of Un-discounted Premium (Received) Paid	Current Year Income	Book/ Adjusted Carrying Value	Code	Fair Value	Unrealized Valuation Increase/ (Decrease)	Total Foreign Exchange Change in B./A.C.V.	Current Year's (Amortization)/ Accretion	Adjustment to Carrying Value of Hedged Item	Potential Exposure	Credit Quality of Reference Entity	Hedge Effectiveness at Inception and at Quarter-end (b)
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	38377RKQ7 GNR 2010-163 DC EXCH PAC-1-11 4% due 12/16/2040	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/15/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	336,250		125,694	291,155		502,136			(31,675)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	38377RKQ7 GNR 2010-163 DC EXCH PAC-1-11 4% due 12/16/2040	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	10/15/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	345,000		125,694	298,723		502,136			(32,504)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	912810Q78 US TREASURY N/B United States Treasury No 3.12 3.125% due 11/15/2041	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	10/15/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	345,000		125,694	298,723		502,136			(32,504)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.HY31 SR. TRANCHE	3137B1VG4 FHR 4209 VZ Z SEQ 4% due 05/15/2043	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	10/15/2018	12/20/2023		73,172,596	5.00/CREDIT EVENT	14,751,595		1,830,855	12,786,662		14,165,506			(1,733,990)		73,172,596	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	38378PF78 GNR 2014-12 NZ Z SEQ 3% due 01/20/2044	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/17/2018	12/20/2023		50,000,000	1.00/CREDIT EVENT	710,000		251,389	615,384		1,004,271			(66,974)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.HY31 SR. TRANCHE	3137APEN6 FHR 4028 ZA Z SEQ 4% due 04/15/2042	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/17/2018	12/20/2023		48,781,731	5.00/CREDIT EVENT	9,883,178		1,220,570	8,574,913		9,443,671			(1,163,351)		48,781,731	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	3137A3HY8 FHR 3751 PE PAC-11 4.5% due 11/15/2040	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/18/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	350,000		125,694	303,521		502,136			(33,030)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.HY31 SR. TRANCHE	38378CLR6 GNR 2012-13 ZK Z SEQ 3.5% due 01/20/2042	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	10/18/2018	12/20/2023		73,172,596	5.00/CREDIT EVENT	14,758,913		1,830,855	12,812,470		14,165,506			(1,737,751)		73,172,596	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	3137A3HY8 FHR 3751 PE PAC-11 4.5% due 11/15/2040	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/18/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	347,500		125,694	301,355		502,136			(32,793)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	38376PZK9 GNR 2009-116 LN PAC-1-11 5% due 12/16/2039	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/18/2018	12/20/2023		50,000,000	1.00/CREDIT EVENT	665,000		251,389	576,720		1,004,271			(62,739)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	3136AVTB5 FNR 2017-11 B EXCH SEQ 3% due 03/25/2047	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	10/18/2018	12/20/2023		50,000,000	1.00/CREDIT EVENT	625,000		251,389	542,062		1,004,271			(58,946)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	38378PG77 GNR 2014-12 AY EXCH SEQ 3% due 01/20/2044	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	10/19/2018	12/20/2023		50,000,000	1.00/CREDIT EVENT	645,000		251,389	559,683		1,004,271			(60,874)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.HY31 SR. TRANCHE	3137B5YC1 FHR 4267 ZY Z SEQ 4.5% due 11/15/2043	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	10/19/2018	12/20/2023		97,563,462	5.00/CREDIT EVENT	19,639,525		2,441,140	17,058,524		18,887,341			(2,313,391)		97,563,462	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.HY31 SR. TRANCHE	3136ANF51 FNR 2017-46 ZA Z SEQ 3% due 06/25/2047	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	10/19/2018	12/20/2023		97,563,462	5.00/CREDIT EVENT	19,639,525		2,441,140	17,058,524		18,887,341			(2,313,391)		97,563,462	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	3137BBQR9 FHR 4354 GL EXCH SEQ 3.5% due 06/15/2044	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	10/22/2018	12/20/2023		50,000,000	1.00/CREDIT EVENT	680,000		251,389	590,945		1,004,271			(64,297)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	3137BBQR9 FHR 4354 GL EXCH SEQ 3.5% due 06/15/2044	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/22/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	327,500		125,694	284,620		502,136			(30,960)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.HY31 SR. TRANCHE	912810FP8 US TREASURY N/B United States Treasury No 5.37 5.375% due 02/15/2031	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	10/22/2018	12/20/2023		97,563,462	5.00/CREDIT EVENT	19,644,403		2,441,140	17,088,833		18,887,341			(2,317,809)		97,563,462	1	N/A

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART A - SECTION 1

Showing all Options, Caps, Floors, Collars, Swaps and Forwards Open as of Current Statement Date

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Description	Description of Item(s) Hedged, Used for Income Generation or Replicated	Schedule/ Exhibit Identifier	Type(s) of Risk(s) (a)	Exchange, Counterparty or Central Clearinghouse	Trade Date	Date of Maturity or Expiration	Number of Contracts	Notional Amount	Strike Price, Rate or Index Received (Paid)	Cumulative Prior Year(s) Initial Cost of Un-discounted Premium (Received) Paid	Current Year Initial Cost of Un-discounted Premium (Received) Paid	Current Year Income	Book/ Adjusted Carrying Value	Code	Fair Value	Unrealized Valuation Increase/ (Decrease)	Total Foreign Exchange Change in B./A.C.V.	Current Year's (Amortization)/ Accretion	Adjustment to Carrying Value of Hedged Item	Potential Exposure	Credit Quality of Reference Entity	Hedge Effectiveness at Inception and at Quarter-end (b)
CREDIT DEFAULT SWAP - CDX.NA.HY31 SR. TRANCHE	912810Q78 US TREASURY N/B United States Treasury No 3.12 3.125% due 11/15/2041	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	10/22/2018	12/20/2023		97,563,462	5.00/CREDIT EVENT	19,639,525		2,441,140	17,084,642		18,887,341			(2,317,198)		97,563,462	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.HY31 SR. TRANCHE	912810Q50 US TREASURY N/B United States Treasury No 3.75 3.75% due 08/15/2041	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	10/22/2018	12/20/2023		97,563,462	5.00/CREDIT EVENT	19,580,987		2,441,140	17,034,344		18,887,341			(2,309,868)		97,563,462	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	3137APB19 FHR 4033 ZE Z SEQ 4% due 04/15/2042	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	10/22/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	325,000		125,694	282,449		502,136			(30,722)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	3137AUFJ3 FHR 4107 HY EXCH PAC-11 3% due 09/15/2042	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/22/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	325,000		125,694	282,450		502,136			(30,722)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	3137BAG63 FHR 4323 VZ Z SEQ 4% due 04/15/2044	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/22/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	320,000		125,694	278,108		502,136			(30,247)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	3137BWP57 FHR 4666 VZ Z SEQ 3% due 03/15/2047	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/23/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	295,000		125,694	256,534		502,136			(27,887)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.HY31 SR. TRANCHE	3136A2CX9 FNR 2011-110 EW EXCH AD PAC-11 4.5% due 11/25/2041	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/23/2018	12/20/2023		48,781,731	5.00/CREDIT EVENT	9,712,442		1,220,570	8,454,411		9,443,671			(1,145,794)		48,781,731	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.HY31 SR. TRANCHE	3137ARM29 FHR 4057 ZB Z SEQ 3.5% due 06/15/2042	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/23/2018	12/20/2023		48,781,731	5.00/CREDIT EVENT	9,697,808		1,220,570	8,441,827		9,443,671			(1,143,963)		48,781,731	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.HY31 SR. TRANCHE	3136ABD64 FNR 2012-103 ZC EXCH Z SEQ 3.5% due 09/25/2042	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	10/23/2018	12/20/2023		48,781,731	5.00/CREDIT EVENT	9,712,443		1,220,570	8,454,412		9,443,671			(1,145,794)		48,781,731	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	38377RBJ3 GNR 2010-158 DG PAC-11 4% due 12/20/2040	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/24/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	312,500		125,694	271,880		502,136			(29,566)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.HY31 SR. TRANCHE	3136A6N42 FNR 2012-76 ZG Z SEQ 4% due 07/25/2042	DB PART C-1	Credit	BNP PARIBAS	10/24/2018	12/20/2023		48,781,731	5.00/CREDIT EVENT	9,746,590		1,220,570	8,488,106		9,443,671			(1,150,700)		48,781,731	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.HY31 SR. TRANCHE	38375GQP9 GNR 2012-94 BZ Z SEQ 3.5% due 07/20/2042	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	10/24/2018	12/20/2023		97,563,462	5.00/CREDIT EVENT	19,502,936		2,441,140	16,984,605		18,887,341			(2,302,623)		97,563,462	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	38377NGC2 GNR 2010-151 DG PAC-1-11 4% due 11/20/2040	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/24/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	292,500		125,694	254,495		502,136			(27,664)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.HY31 SR. TRANCHE	3137BTC19 FHR 4639 AZ Z SEQ 3% due 12/15/2046	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	10/24/2018	12/20/2023		97,563,462	5.00/CREDIT EVENT	19,449,276		2,441,140	16,938,441		18,887,341			(2,295,900)		97,563,462	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.HY31 SR. TRANCHE	3136AJPR1 FNR 2014-19 ZJ Z SEQ 4.5% due 04/25/2044	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/24/2018	12/20/2023		48,781,731	5.00/CREDIT EVENT	9,675,857		1,220,570	8,427,249		9,443,671			(1,141,841)		48,781,731	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	3136ABQ22 FNR 2013-6 ZM Z SEQ 3.5% due 02/25/2043	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	10/25/2018	12/20/2023		50,000,000	1.00/CREDIT EVENT	595,000		251,389	517,952		1,004,271			(56,308)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.HY31 SR. TRANCHE	3136ALEY3 FNR 2014-66 VZ Z SEQ 3% due 10/25/2044	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/25/2018	12/20/2023		48,781,731	5.00/CREDIT EVENT	9,699,976		1,220,570	8,469,626		9,443,671			(1,148,009)		48,781,731	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	3137BGY78 FHR 4447 ZX SC Z PT 4% due 01/15/2045	DB PART C-1	Credit	BNP PARIBAS	10/26/2018	12/20/2023		50,000,000	1.00/CREDIT EVENT	535,000		251,389	466,008		1,004,271			(50,632)		50,000,000	1	N/A



STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART A - SECTION 1

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Description	Description of Item(s) Hedged, Used for Income Generation or Replicated	Schedule/ Exhibit Identifier	Type(s) of Risk(s) (a)	Exchange, Counterparty or Central Clearinghouse	Trade Date	Date of Maturity or Expiration	Number of Contracts	Notional Amount	Strike Price, Rate or Index Received (Paid)	Cumulative Prior Year(s) Initial Cost of Un-discounted Premium (Received) Paid	Current Year Initial Cost of Un-discounted Premium (Received) Paid	Current Year Income	Book/ Adjusted Carrying Value	Code	Fair Value	Unrealized Valuation Increase/ (Decrease)	Total Foreign Exchange Change in B./A.C.V.	Current Year's (Amortization)/ Accretion	Adjustment to Carrying Value of Hedged Item	Potential Exposure	Credit Quality of Reference Entity	Hedge Effectiveness at Inception and at Quarter-end (b)
CREDIT DEFAULT SWAP - CDX.NA.HY31 SR. TRANCHE	38378WOM3 GNR 2013-122 BM EXCH PAC-1-11 3.5% due 08/16/2043	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/26/2018	12/20/2023		48,781,731	5.00/CREDIT EVENT	9,636,559		1,220,570	8,419,216		9,443,671			(1,140,673)		48,781,731	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	912810QY7 US TREASURY N/B United States Treasury No 2.75 2.75% due 11/15/2042	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/29/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	297,500		125,694	259,517		502,136			(28,213)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.HY31 SR. TRANCHE	912810QY7 US TREASURY N/B United States Treasury No 2.75 2.75% due 11/15/2042	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	10/29/2018	12/20/2023		97,563,462	5.00/CREDIT EVENT	19,415,129		2,441,140	16,952,345		18,887,341			(2,297,925)		97,563,462	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	3137BD5W2 FHR 4378 EZ EXCH Z SEO 3% due 08/15/2044	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/30/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	275,000		125,694	240,031		502,136			(26,084)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.HY31 SR. TRANCHE	912810QK7 US TREASURY N/B United States Treasury No 3.87 3.875% due 08/15/2040	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/30/2018	12/20/2023		48,781,731	5.00/CREDIT EVENT	9,688,052		1,220,570	8,463,670		9,443,671			(1,147,142)		48,781,731	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.HY31 SR. TRANCHE	912810FM5 US TREASURY N/B United States Treasury No 6.25 6.25% due 05/15/2030	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	10/30/2018	12/20/2023		48,781,731	5.00/CREDIT EVENT	9,678,295		1,220,570	8,455,248		9,443,671			(1,145,916)		48,781,731	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	912810FM5 US TREASURY N/B United States Treasury No 6.25 6.25% due 05/15/2030	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	10/30/2018	12/20/2023		50,000,000	1.00/CREDIT EVENT	535,000		251,389	466,981		1,004,271			(50,738)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	912810RB6 US TREASURY N/B United States Treasury No 2.87 2.875% due 05/15/2043	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	11/02/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	327,500		125,694	286,260		502,136			(31,140)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	912810RB6 US TREASURY N/B United States Treasury No 2.87 2.875% due 05/15/2043	DB PART C-1	Credit	BNP PARIBAS	11/09/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	355,000		125,694	311,413		502,136			(33,895)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	912810RB6 US TREASURY N/B United States Treasury No 2.87 2.875% due 05/15/2043	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	11/09/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	357,500		125,694	313,604		502,136			(34,135)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	912810RB6 US TREASURY N/B United States Treasury No 2.87 2.875% due 05/15/2043	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	11/09/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	347,500		125,694	304,840		502,136			(33,175)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	912810RB6 US TREASURY N/B United States Treasury No 2.87 2.875% due 05/15/2043	DB PART C-1	Credit	CITIBANK NA	11/09/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	337,500		125,694	296,076		502,136			(32,215)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	912810RB6 US TREASURY N/B United States Treasury No 2.87 2.875% due 05/15/2043	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	11/13/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	287,500		125,694	252,779		502,136			(27,477)		25,000,000	1	N/A

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART A - SECTION 1

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Description	Description of Item(s) Hedged, Used for Income Generation or Replicated	Schedule/ Exhibit Identifier	Type(s) of Risk(s) (a)	Exchange, Counterparty or Central Clearinghouse	Trade Date	Date of Maturity or Expiration	Number of Contracts	Notional Amount	Strike Price, Rate or Index Received (Paid)	Cumulative Prior Year(s) Initial Cost of Un-discounted Premium (Received) Paid	Current Year Initial Cost of Un-discounted Premium (Received) Paid	Current Year Income	Book/ Adjusted Carrying Value	Code	Fair Value	Unrealized Valuation Increase/ (Decrease)	Total Foreign Exchange Change in B./A.C.V.	Current Year's (Amortization)/ Accretion	Adjustment to Carrying Value of Hedged Item	Potential Exposure	Credit Quality of Reference Entity	Hedge Effectiveness at Inception and at Quarter-end (b)
CREDIT DEFAULT SWAP - CDX.NA.HY31 SR. TRANCHE	912810QY7 US TREASURY N/B United States Treasury No 2.75 2.75% due 11/15/2042	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	11/13/2018	12/20/2023		48,781,731	5.00/CREDIT EVENT	9,702,686		1,220,570	8,537,573		9,443,671			(1,157,907)		48,781,731	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.HY31 SR. TRANCHE	912810QY7 US TREASURY N/B United States Treasury No 2.75 2.75% due 11/15/2042	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	11/13/2018	12/20/2023		48,781,731	5.00/CREDIT EVENT	9,658,783		1,220,570	8,499,375		9,443,671			(1,152,341)		48,781,731	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	912810QY7 US TREASURY N/B United States Treasury No 2.75 2.75% due 11/15/2042	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	11/13/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	277,500		125,694	243,994		502,136			(26,517)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	38378GAF5 GNR 2012-134 PM PAC-11 3% due 11/20/2042	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	11/14/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	270,000		125,694	237,530		502,136			(25,810)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	3137A34Y2 FHR 3763 ZW Z PAC-11 4.5% due 11/15/2040	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	11/14/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	265,000		125,694	233,134		502,136			(25,330)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	3136A7FM9 FNR 2012-70 HB PAC-11 3% due 07/25/2042	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	11/14/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	263,750		125,694	232,035		502,136			(25,210)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.HY31 SR. TRANCHE	3137APMM9 FHR 4030 PE PAC-1-11 3.5% due 04/15/2042	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	11/14/2018	12/20/2023		48,781,731	5.00/CREDIT EVENT	9,585,610		1,220,570	8,440,058		9,443,671			(1,143,705)		48,781,731	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	3136A0DQ7 FNR 2011-77 PC PAC-11 4% due 08/25/2041	DB PART C-1	Credit	CITIBANK NA	11/14/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	237,500		125,694	208,959		502,136			(22,691)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	38378UL21 GNR 2013-144 YM EXCH SEQ 2.5% due 10/20/2043	DB PART C-1	Credit	BNP PARIBAS	11/15/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	195,000		125,694	171,680		502,136			(18,627)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	3136ABYK3 FNR 2013-1 ZV Z SEQ 3% due 02/25/2043	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	11/15/2018	12/20/2023		50,000,000	1.00/CREDIT EVENT	375,000		251,389	330,162		1,004,271			(35,817)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	3136A43X5 FNR 2012-38 ZB Z SEQ 4% due 04/25/2042	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	11/15/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	172,500		125,694	151,882		502,136			(16,472)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.HY31 SR. TRANCHE	38376Y3N9 GNR 2010-53 PB PAC-1-11 5% due 04/20/2040	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	11/16/2018	12/20/2023		48,781,731	5.00/CREDIT EVENT	9,531,950		1,220,570	8,402,006		9,443,671			(1,138,169)		48,781,731	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	38377KLE8 GNR 2010-114 NC EXCH PAC-11 4.5% due 09/20/2040	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	11/19/2018	12/20/2023		50,000,000	1.00/CREDIT EVENT	237,500		251,389	209,598		1,004,271			(22,707)		50,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	38377KLE8 GNR 2010-114 NC EXCH PAC-11 4.5% due 09/20/2040	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	11/19/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	110,000		125,694	97,081		502,136			(10,515)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.HY31 SR. TRANCHE	38376LAH2 GNR 2010-91 PE PAC-1-11 4.5% due 07/20/2040	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	11/19/2018	12/20/2023		48,781,731	5.00/CREDIT EVENT	9,492,925		1,220,570	8,380,971		9,443,671			(1,135,110)		48,781,731	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	38376P4G2 GNR 2009-127 PB PAC-1-11 5% due 12/20/2039	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	11/19/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	92,500		125,694	81,645		502,136			(8,840)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	3136A5MB9 FNR 2012-35 DB PAC-11 3.5% due 04/25/2042	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	11/19/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	82,500		125,694	72,824		502,136			(7,884)		25,000,000	1	N/A
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR. TRANCHE	3136ABV98 FNR 2012-113 EM PAC-11 3% due 10/25/2042	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	11/20/2018	12/20/2023		50,000,000	1.00/CREDIT EVENT	125,000		251,389	110,416		1,004,271			(11,948)		50,000,000	1	N/A

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART A - SECTION 1

Showing all Options, Caps, Floors, Collars, Swaps and Forwards Open as of Current Statement Date

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Description	Description of Item(s) Hedged, Used for Income Generation or Replicated	Schedule/ Exhibit Identifier	Type(s) of Risk(s) (a)	Exchange, Counterparty or Central Clearinghouse	Trade Date	Date of Maturity or Expiration	Number of Contracts	Notional Amount	Strike Price, Rate or Index Received (Paid)	Cumulative Prior Year(s) Initial Cost of Un-discounted Premium (Received) Paid	Current Year Initial Cost of Un-discounted Premium (Received) Paid	Current Year Income	Book/ Adjusted Carrying Value	Code	Fair Value	Unrealized Valuation Increase/ (Decrease)	Total Foreign Exchange Change in B./A.C.V.	Current Year's (Amortization)/ Accretion	Adjustment to Carrying Value of Hedged Item	Potential Exposure	Credit Quality of Reference Entity	Hedge Effectiveness at Inception and at Quarter-end (b)
CREDIT DEFAULT SWAP - CDX.NA.IG31 SR.	3137B1KL5 FHR 4194 ZE Z SEQ 4% due	DB PART C-1	Credit	BNP PARIBAS	11/20/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	62,500		125,694	55,208		502,136			(5,974)		25,000,000	1	N/A
TRANCHE CREDIT DEFAULT SWAP - CDX.NA.HY31 SR.	3136AVTV1 FNR 2017-12 TZ Z SEQ 3% due	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	11/20/2018	12/20/2023		48,781,731	5.00/CREDIT EVENT	9,409,996		1,220,570	8,312,838		9,443,671			(1,125,210)		48,781,731	1	N/A
TRANCHE CREDIT DEFAULT SWAP - CDX.NA.IG31 SR.	3137AV4E4 FHR 4121 AZ Z SEQ 3% due	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	11/20/2018	12/20/2023		75,000,000	1.00/CREDIT EVENT	140,625		377,083	124,246		1,506,407			(13,441)		75,000,000	1	N/A
TRANCHE CREDIT DEFAULT SWAP - CDX.NA.IG31 SR.	38376TDV1 GNR 2010-2 PZ Z PAC-1 5% due	DB PART C-1	Credit	MORGAN STANLEY CAPITAL SERVICE	11/26/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	42,500		125,694	37,668		502,136			(4,075)		25,000,000	1	N/A
TRANCHE CREDIT DEFAULT SWAP - CDX.NA.IG31 SR.	3136AK6J7 FNR 2014-65 DZ Z SEQ 3.5% due	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	11/26/2018	12/20/2023		50,000,000	1.00/CREDIT EVENT	85,000		251,389	75,336		1,004,271			(8,149)		50,000,000	1	N/A
TRANCHE CREDIT DEFAULT SWAP - CDX.NA.HY31 SR.	38378ENB5 GNR 2012-66 CY EXCH SEQ 3.5% due	DB PART C-1	Credit	GOLDMAN SACHS BANK USA	11/26/2018	12/20/2023		97,563,462	5.00/CREDIT EVENT	18,859,017		2,441,140	16,711,683		18,887,341			(2,262,915)		97,563,462	1	N/A
TRANCHE CREDIT DEFAULT SWAP - CDX.NA.IG31 SR.	38376V3Z8 GNR 2010-26 PZ SC Z SEQ 5% due	DB PART C-1	Credit	BNP PARIBAS	11/26/2018	12/20/2023		25,000,000	1.00/CREDIT EVENT	12,500		125,694	11,098		502,136			(1,200)		25,000,000	1	N/A
TRANCHE CREDIT DEFAULT SWAP - CDX.NA.HY31 SR.	38377RV69 GNR 2010-165 PC PAC-1-11 4% due	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	11/27/2018	12/20/2023		73,172,596	5.00/CREDIT EVENT	14,019,869		1,830,855	12,431,122		14,165,506			(1,682,277)		73,172,596	1	N/A
TRANCHE CREDIT DEFAULT SWAP - CDX.NA.HY31 SR.	38376XS79 GNR 2010-51 WZ Z PAC-1-11 5% due	DB PART C-1	Credit	BNP PARIBAS	11/27/2018	12/20/2023		24,390,865	5.00/CREDIT EVENT	4,673,290		610,285	4,143,707		4,721,835			(560,759)		24,390,865	1	N/A
TRANCHE CREDIT DEFAULT SWAP - CDX.NA.HY31 SR.	38376ETZ8 GNR 2009-110 KA PAC-1-11 5% due	DB PART C-1	Credit	JP MORGAN CHASE BANK NA	11/28/2018	12/20/2023		48,781,731	5.00/CREDIT EVENT	9,429,508		1,220,570	8,364,530		9,443,671			(1,132,720)		48,781,731	1	N/A
0989999999. Subtotal - Swaps - Replication - Credit Default										527,235,662		88,755,398	424,558,894	XXX	546,751,131			(60,898,547)		8,741,121,162	XXX	XXX
1029999999. Subtotal - Swaps - Replication										527,235,662		88,857,571	424,558,894	XXX	546,276,686			(60,898,547)		8,741,253,889	XXX	XXX
1089999999. Subtotal - Swaps - Income Generation														XXX							XXX	XXX
1149999999. Subtotal - Swaps - Other														XXX							XXX	XXX
1159999999. Total Swaps - Interest Rate												15,871,988	11,532,918	XXX	37,849,983	7,888,886				33,639,072	XXX	XXX
1169999999. Total Swaps - Credit Default										523,942,372		87,613,650	421,769,975	XXX	543,962,212	(492,621)		(60,496,347)		8,741,121,162	XXX	XXX
1179999999. Total Swaps - Foreign Exchange											(8,938)	46,070,131	385,941,803	XXX	386,478,828	104,950,546	12,032,528			96,848,000	XXX	XXX
1189999999. Total Swaps - Total Return														XXX							XXX	XXX
1199999999. Total Swaps - Other														XXX							XXX	XXX
1209999999. Total Swaps										523,942,372	(8,938)	149,555,769	819,244,696	XXX	968,291,023	112,346,811	12,032,528	(60,496,347)		8,871,608,234	XXX	XXX
FOREIGN CURRENCY FORWARD CONTRACT BUY USD SELL EUR	628908CD1 PEP SHOPPING CENTER NA-01A% due 12/14/2021	D-1	Currency	BANK OF AMERICA NA	07/29/2015	12/14/2021		2,536,643	0.8099				57,432		57,432	61,771	17,773			19,894		0002
FOREIGN CURRENCY FORWARD CONTRACT BUY USD SELL EUR	8089 European Cities Fund (ECF) OIA	BA-1	Currency	GOLDMAN SACHS BANK USA	07/03/2018	07/12/2019		239,514,722	0.8320				12,708,737		12,708,737	3,649,167	1,723,957			217,143		0002
FOREIGN CURRENCY FORWARD CONTRACT BUY USD SELL EUR	854201A Neptune Sugar City OIA	D-2, BA-1	Currency	HSBC BANK USA	07/19/2018	07/19/2019		27,257,886	0.8362				1,299,716		1,299,716	415,993	197,189			31,095		0002
FOREIGN CURRENCY FORWARD CONTRACT BUY USD SELL GBP	8044 Henderson UK Outlet Mall Partnership LP OIA	BA-1	Currency	GOLDMAN SACHS BANK USA	07/27/2018	08/02/2019		11,222,282	0.7488				533,061		533,061	95,904	39,037			16,872		0002
FOREIGN CURRENCY FORWARD CONTRACT BUY USD SELL EUR	6861 T-C Pep Holding Sarl OIA	D-2	Currency	HSBC BANK USA	09/26/2018	09/27/2019		26,061,813	0.8253				1,430,678		1,430,678	412,478	186,063			64,346		0002

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART A - SECTION 1

Showing all Options, Caps, Floors, Collars, Swaps and Forwards Open as of Current Statement Date

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Description	Description of Item(s) Hedged, Used for Income Generation or Replicated	Schedule/ Exhibit Identifier	Type(s) of Risk(s) (a)	Exchange, Counterparty or Central Clearinghouse	Trade Date	Date of Maturity or Expiration	Number of Contracts	Notional Amount	Strike Price, Rate or Index Received (Paid)	Cumulative Prior Year(s) Initial Cost of Un-discounted Premium (Received) Paid	Current Year Initial Cost of Un-discounted Premium (Received) Paid	Current Year Income	Book/ Adjusted Carrying Value	Code	Fair Value	Unrealized Valuation Increase/ (Decrease)	Total Foreign Exchange Change in B./A.C.V.	Current Year's (Amortization)/ Accretion	Adjustment to Carrying Value of Hedged Item	Potential Exposure	Credit Quality of Reference Entity	Hedge Effectiveness at Inception and at Quarter-end (b)
FOREIGN CURRENCY FORWARD CONTRACT BUY USD SELL EUR	6894 Gropius OIA	D-2	Currency	HSBC BANK USA	1E8VN30JCEQV1H4R804	09/26/2018	09/27/2019	29,758,235	0.8254				1,629,625		1,629,625	470,995	212,483			73,473	0002	
FOREIGN CURRENCY FORWARD CONTRACT BUY USD SELL AUD	7107B 101 MILLER STREET OIA	BA-1	Currency	MORGAN STANLEY CAPITAL SERVICE	I7331LVCZKQKX5T7XV54	09/26/2018	10/04/2019	114,874,640	1.3719				3,907,202		3,907,202	212,342	362,381			294,566	0002	
FOREIGN CURRENCY FORWARD CONTRACT BUY USD SELL EUR	6894 Gropius OIA	D-2	Currency	HSBC BANK USA	1E8VN30JCEQV1H4R804	10/18/2018	09/27/2019	9,407,692	0.8457				297,740		297,740	149,674	68,826			23,227	0002	
FOREIGN CURRENCY FORWARD CONTRACT BUY USD SELL EUR	8521A Iconic Office SCI OIA	D-2	Currency	BANK OF AMERICA NA	B4TYDEB6KMZ0031MB27	01/11/2019	01/24/2020	29,752,712	0.8436				752,231		752,231	479,649	272,582			112,301	0002	
FOREIGN CURRENCY FORWARD CONTRACT BUY USD SELL EUR	6894 Gropius OIA	D-2	Currency	HSBC BANK USA	1E8VN30JCEQV1H4R804	03/05/2019	09/27/2019	6,110,372	0.8699				25,170		25,170	61,846	(36,676)			15,086	0002	
FOREIGN CURRENCY FORWARD CONTRACT BUY USD SELL EUR	8801 Milestone Student Accomodation JV OIA	BA-1	Currency	CREDIT AGRICOLE	1VUV7VQFKUQGSJ21A208	03/28/2019	03/27/2020	32,364,892	0.8651				(111,942)		(111,942)	283,983	(395,925)			139,438	0002	
FOREIGN CURRENCY FORWARD CONTRACT BUY USD SELL EUR	8521A Iconic Office SCI OIA	D-2	Currency	HSBC BANK USA	1E8VN30JCEQV1H4R804	04/15/2019	01/24/2020	3,472,093	0.8640				6,843		6,843	27,724	(20,881)			13,105	0002	
FOREIGN CURRENCY FORWARD CONTRACT BUY USD SELL GBP	801501A UK SC FUND OIA	BA-1	Currency	HSBC BANK USA	1E8VN30JCEQV1H4R804	04/24/2019	11/08/2019	31,375,318	0.7649				725,512		725,512	123,932	601,580			93,983	0002	
FOREIGN CURRENCY FORWARD CONTRACT BUY USD SELL EUR	848601AEUR Neptune Ursus OIA	D-2, BA-1	Currency	CITIBANK NA	E570DZIWZ7FF32TWEFA76	04/24/2019	07/19/2019	73,244,600	0.8874				(771,326)		(771,326)	416,885	(1,188,211)			83,556	0002	
FOREIGN CURRENCY FORWARD CONTRACT BUY USD SELL AUD	8863 Australia Purpose Built Student Accommodation JV (Project Fire) OIA	BA-1	Currency	BANK OF AMERICA NA	B4TYDEB6KMZ0031MB27	05/08/2019	05/15/2020	10,028,878	1.4159				(11,688)		(11,688)	15,007	(26,696)			46,952	0002	
FOREIGN CURRENCY FORWARD CONTRACT BUY USD SELL GBP	GBP Portfolio Hedge	BA-1	Currency	CITIBANK NA	E570DZIWZ7FF32TWEFA76	05/16/2019	08/20/2019	96,426,825	0.7778				953,458		953,458	215,020	738,438			180,221	0002	
FOREIGN CURRENCY FORWARD CONTRACT BUY USD SELL EUR	EUR Portfolio Hedge	BA-1	Currency	CREDIT AGRICOLE	1VUV7VQFKUQGSJ21A208	05/16/2019	08/20/2019	479,142,875	0.8870				(6,029,266)		(6,029,266)	1,748,305	(7,777,571)			895,517	0002	
FOREIGN CURRENCY FORWARD CONTRACT BUY USD SELL AUD	AUD Portfolio Hedge	BA-1	Currency	MORGAN STANLEY CAPITAL SERVICE	I7331LVCZKQKX5T7XV54	05/17/2019	08/21/2019	517,387,500	1.4496				(9,975,474)		(9,975,474)	412,015	(10,387,489)			976,430	0002	
FOREIGN CURRENCY FORWARD CONTRACT BUY USD SELL AUD	AUD Portfolio Hedge	BA-1	Currency	BANK OF AMERICA NA	B4TYDEB6KMZ0031MB27	05/17/2019	08/21/2019	34,480,300	1.4501				(677,190)		(677,190)	26,309	(703,499)			65,072	0002	
FOREIGN CURRENCY FORWARD CONTRACT BUY USD SELL CAD	CAD Portfolio Hedge	BA-1	Currency	MORGAN STANLEY CAPITAL SERVICE	I7331LVCZKQKX5T7XV54	05/17/2019	08/21/2019	222,570,917	1.3479				(6,739,154)		(6,739,154)	256,561	(6,995,714)			420,043	0002	
FOREIGN CURRENCY FORWARD CONTRACT BUY USD SELL JPY	8626 Tokyo Multifamily Fund OIA	BA-1	Currency	CITIBANK NA	E570DZIWZ7FF32TWEFA76	05/22/2019	05/22/2020	3,304,936	107.2638				(56,569)		(56,569)	18,179	(74,748)			15,641	0002	
FOREIGN CURRENCY FORWARD CONTRACT BUY USD SELL EUR	8872 CHOP Project Gold OIA	D-2	Currency	CITIBANK NA	E570DZIWZ7FF32TWEFA76	05/24/2019	01/24/2020	34,707,650	0.8759				(401,540)		(401,540)	142,625	(544,165)			131,003	0002	
FOREIGN CURRENCY FORWARD CONTRACT BUY USD SELL EUR	8837 Silesia Outlet OIA	D-2, BA-1	Currency	CITIBANK NA	E570DZIWZ7FF32TWEFA76	05/24/2019	07/19/2019	12,529,617	0.8893				(158,126)		(158,126)	37,311	(195,437)			14,293	0002	
FOREIGN CURRENCY FORWARD CONTRACT BUY USD SELL GBP	8118 Thurrock OIA	BA-1	Currency	HSBC BANK USA	1E8VN30JCEQV1H4R804	05/29/2019	11/15/2019	36,751,075	0.7837				(31,642)		(31,642)	86,557	(118,200)			112,988	0002	

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART A - SECTION 1

Showing all Options, Caps, Floors, Collars, Swaps and Forwards Open as of Current Statement Date

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Description	Description of Item(s) Hedged, Used for Income Generation or Replicated	Schedule/ Exhibit Identifier	Type(s) of Risk(s) (a)	Exchange, Counterparty or Central Clearinghouse	Trade Date	Date of Maturity or Expiration	Number of Contracts	Notional Amount	Strike Price, Rate or Index Received (Paid)	Cumulative Prior Year(s) Initial Cost of Un-discounted Premium (Received) Paid	Current Year Initial Cost of Un-discounted Premium (Received) Paid	Current Year Income	Book/ Adjusted Carrying Value	Code	Fair Value	Unrealized Valuation Increase/ (Decrease)	Total Foreign Exchange Change in B./A.C.V.	Current Year's (Amortization)/ Accretion	Adjustment to Carrying Value of Hedged Item	Potential Exposure	Credit Quality of Reference Entity	Hedge Effectiveness at Inception and at Quarter-end (b)
FOREIGN CURRENCY FORWARD CONTRACT BUY USD SELL EUR .....	01A5084 HEDF 1 (Hines European Development) 01A .....	BA-1 .....	Currency.....	JP MORGAN CHASE BANK NA ..... 7H6GLXDRUGOFU57RNE97	..06/12/2019	..09/13/2019		.....12,506,238	.....0.8796				.....(73,597)		.....(73,597)	.....18,475	.....(92,072)			.....28,345		0002 .....
FOREIGN CURRENCY FORWARD CONTRACT BUY USD SELL EUR .....	4563 NORTE 01A ..... 8863 Australia Purpose Built Student Accommodation JV (Project Fire) 01A ....	D-2 .....	Currency.....	JP MORGAN CHASE BANK NA ..... 7H6GLXDRUGOFU57RNE97	..06/12/2019	..03/13/2020		.....142,863,302	.....0.8680				.....(826,972)		.....(826,972)	.....213,408	.....(1,040,381)			.....599,392		0002 .....
FOREIGN CURRENCY FORWARD CONTRACT BUY USD SELL AUD .....	6211 TIAA Lux 5 SARL (Erlangen) 01A .....	BA-1 .....	Currency.....	JP MORGAN CHASE BANK NA ..... 7H6GLXDRUGOFU57RNE97	..06/18/2019	..05/15/2020		.....1,944,829	.....1.4500				.....(48,393)		.....(48,393)	.....1,042	.....(49,435)			.....9,105		0002 .....
FOREIGN CURRENCY FORWARD CONTRACT BUY USD SELL EUR .....	6211 TIAA Lux 5 SARL (Erlangen) 01A .....	D-2 .....	Currency.....	JP MORGAN CHASE BANK NA ..... 7H6GLXDRUGOFU57RNE97	..06/19/2019	..09/20/2019		.....32,574,073	.....0.8841				.....(378,361)		.....(378,361)	.....27,724	.....(406,085)			.....77,197		0002 .....
1229999999. Subtotal - Forwards - Hedging Other													.....(1,963,835)	XXX	.....(1,963,835)	.....10,080,881	.....(25,632,876)			.....4,770,284	XXX	XXX
1269999999. Subtotal - Forwards													.....(1,963,835)	XXX	.....(1,963,835)	.....10,080,881	.....(25,632,876)			.....4,770,284	XXX	XXX
1399999999. Subtotal - Hedging Effective												.....16,390,911	.....(12,352,290)	XXX	.....14,976,245		.....(9,558,328)			.....42,190,271	XXX	XXX
1409999999. Subtotal - Hedging Other										.....(3,293,290)	.....(8,938)	.....44,307,287	.....405,074,257	XXX	.....405,074,257	.....122,427,692	.....(4,042,020)	.....402,200		.....92,934,358	XXX	XXX
1419999999. Subtotal - Replication										.....527,235,662		.....88,857,571	.....424,558,894	XXX	.....546,276,686			.....(60,898,547)		.....8,741,253,889	XXX	XXX
1429999999. Subtotal - Income Generation														XXX							XXX	XXX
1439999999. Subtotal - Other														XXX							XXX	XXX
1449999999 - Totals										.....523,942,372	.....(8,938)	.....149,555,769	.....817,280,861	XXX	.....966,327,188	.....122,427,692	.....(13,600,348)	.....(60,496,347)		.....8,876,378,518	XXX	XXX

(a)	Code	Description of Hedged Risk(s)

(b)	Code	Financial or Economic Impact of the Hedge at the End of the Reporting Period

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**

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART D - SECTION 1

Counterparty Exposure for Derivative Instruments Open as of Current Statement Date

1	2	3	4	Book/Adjusted Carrying Value			Fair Value			11	12
				5	6	7	8	9	10		
Description of Exchange, Counterparty or Central Clearinghouse	Master Agreement (Y or N)	Credit Support Annex (Y or N)	Fair Value of Acceptable Collateral	Contracts With Book/Adjusted Carrying Value >0	Contracts With Book/Adjusted Carrying Value <0	Exposure Net of Collateral	Contracts With Fair Value >0	Contracts With Fair Value <0	Exposure Net of Collateral	Potential Exposure	Off-Balance Sheet Exposure
0199999999 - Aggregate Sum of Exchange Traded Derivatives	XXX	XXX	XXX								
BANK OF AMERICA N.A. ....	Y	Y	46,876,675	43,184,465	(9,840,775)		53,011,237	(9,840,775)		186,631,229	173,098,243
BANK OF MONTREAL .....	Y	Y			(7,308,731)			(9,450,657)		399,943	
BARCLAYS BANK PLC .....	Y	Y	60,410,000	59,012,266	(311,512)		59,012,266	(311,512)		4,080,298	2,371,052
BNP PARIBAS .....	Y	Y	16,620,000	13,647,220	(687,672)		17,178,319	(687,672)		223,172,596	219,512,144
CITIBANK N.A. NEW YORK ..	Y	Y	179,060,000	187,898,840	(42,538,908)		212,809,557	(45,438,662)		466,254,665	432,554,597
CREDIT AGRICOLE .....	Y	Y		2,797,672	(6,945,917)			(6,940,572)		3,111,422	
CREDIT SUISSE INTERNATIONAL .....	Y	Y			(884,509)			(884,509)			
GOLDMAN SACHS BANK USA ..	Y	Y	189,570,000	143,025,994	(702,491)		187,874,370	(702,491)		3,286,836,212	3,239,589,715
HSBC BANK USA .....	Y	Y	45,763,618	44,189,614	(80,035)		44,189,614	(80,035)		3,386,361	1,732,320
JP MORGAN CHASE BANK N.A. ....	Y	Y	381,370,000	374,949,540	(52,750,320)		413,550,521	(49,619,060)		2,543,276,500	2,484,105,719
MORGAN STANLEY CAPITAL SERVICES INC .....	Y	Y	80,957,000	79,262,013	(34,832,405)		113,023,902	(35,347,450)		2,154,046,759	2,117,519,367
ROYAL BANK OF CANADA .....	Y	Y		4,233,139	(6,480,699)		5,460,556	(10,788,554)		1,695,524	
THE BANK OF NOVA SCOTIA .....	Y	N			(776,761)			(1,709,729)		243,138	
UBS AG .....	Y	Y									
0299999999. Total NAIC 1 Designation			1,000,627,293	952,200,763	(164,140,735)		1,108,908,014	(171,801,678)		8,873,134,647	8,670,483,157
DEUTSCHE BK AG .....	Y	Y	18,260,000	17,687,917			17,687,917			1,477,737	905,654
THE ROYAL BANK OF SCOTLAND PLC .....	Y	Y									
0399999999. Total NAIC 2 Designation			18,260,000	17,687,917			17,687,917			1,477,737	905,654
0899999999. Aggregate Sum of Central Clearinghouses (Excluding Exchange Traded)			11,861,142	11,532,919			11,532,919			1,766,131	1,437,908
.....											
0999999999 - Gross Totals			1,030,748,435	981,421,599	(164,140,735)		1,138,128,850	(171,801,678)		8,876,378,515	8,672,826,719
1. Offset per SSAP No. 64											
2. Net after right of offset per SSAP No. 64				981,421,599	(164,140,735)						

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

SCHEDULE DB - PART D - SECTION 2

Collateral for Derivative Instruments Open as of Current Statement Date

Collateral Pledged by Reporting Entity

1	2	3	4	5	6	7	8	9	
Exchange, Counterparty or Central Clearinghouse	Type of Asset Pledged	CUSIP Identification	Description	Fair Value	Par Value	Book/Adjusted Carrying Value	Maturity Date	Type of Margin (I, V or IV)	
MORGAN STANLEY & CO LLC .....	9R7GPTS07KV3UQJZ0078 .....	Treasury .....	912810-RC-4 .....	US TREASURY N/B 6.375% .....	5,789,616 .....	4,800,000 .....	4,676,641 .....	08/15/2043 .....	I .....
BANK OF MONTREAL .....	NQ08HPNCCU6TUTQYE16 .....	Cash .....	.....	.....	9,490,000 .....	9,490,000 .....	.....	.....	V .....
ROYAL BANK OF CANADA .....	ES71P3U9RH1G671XBUI1 .....	Cash .....	.....	.....	5,020,000 .....	5,020,000 .....	.....	.....	V .....
CREDIT AGRICOLE .....	1VUV7VQFKUQGSJ21A208 .....	Cash .....	.....	.....	4,250,000 .....	4,250,000 .....	.....	.....	V .....
CREDIT SUISSE INTERNATIONAL .....	E58DKGMJYYYJLNBC3868 .....	Cash .....	.....	.....	960,000 .....	960,000 .....	.....	.....	V .....
UBS AG .....	BFM8T61CT2L1QCEMIK50 .....	Cash .....	.....	.....	40,000 .....	40,000 .....	.....	.....	V .....
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Collateral Pledged to Reporting Entity

1	2	3	4	5	6	7	8	9	
Exchange, Counterparty or Central Clearinghouse	Type of Asset Pledged	CUSIP Identification	Description	Fair Value	Par Value	Book/Adjusted Carrying Value	Maturity Date	Type of Margin (I, V or IV)	
BANK OF AMERICA N.A.	B4TYDEB6GKMZ0031MB27	Treasury	912828-H8-6	US TREASURY N/B	1,200,873	1,208,000	XXX	01/31/2022	V
BANK OF AMERICA N.A.	B4TYDEB6GKMZ0031MB27	Treasury	912828-Q3-7	US TREASURY N/B	208,947	211,000	XXX	03/31/2021	V
BANK OF AMERICA N.A.	B4TYDEB6GKMZ0031MB27	Treasury	912828-P3-8	US TREASURY N/B	4,077,901	4,076,800	XXX	01/31/2023	V
BANK OF AMERICA N.A.	B4TYDEB6GKMZ0031MB27	Treasury	912828-L5-7	US TREASURY N/B	3,295,821	3,294,800	XXX	09/30/2022	V
BANK OF AMERICA N.A.	B4TYDEB6GKMZ0031MB27	Treasury	912828-W5-5	US TREASURY N/B	1,695,678	1,690,000	XXX	02/28/2022	V
BANK OF AMERICA N.A.	B4TYDEB6GKMZ0031MB27	Treasury	912828-F9-6	US TREASURY N/B	952,322	947,000	XXX	10/31/2021	V
BANK OF AMERICA N.A.	B4TYDEB6GKMZ0031MB27	Treasury	912828-M8-0	US TREASURY N/B	982,406	974,000	XXX	11/30/2022	V
BANK OF AMERICA N.A.	B4TYDEB6GKMZ0031MB27	Treasury	912828-N3-0	US TREASURY N/B	28,359,681	27,988,000	XXX	12/31/2022	V
BANK OF AMERICA N.A.	B4TYDEB6GKMZ0031MB27	Treasury	912828-V8-0	US TREASURY N/B	973,213	953,000	XXX	01/31/2024	V
BANK OF AMERICA N.A.	B4TYDEB6GKMZ0031MB27	Treasury	912828-W4-8	US TREASURY N/B	1,147,967	1,130,000	XXX	02/29/2024	V
BANK OF AMERICA N.A.	B4TYDEB6GKMZ0031MB27	Treasury	912828-K7-4	US TREASURY N/B	1,482,583	1,470,000	XXX	08/15/2025	V
BANK OF AMERICA N.A.	B4TYDEB6GKMZ0031MB27	Treasury	912796-QR-3	US TREASURY N/B	1,559,283	1,561,000	XXX	07/18/2019	V
HSBC BANK USA	11EBVN30JCEQV1H4R804	Treasury	912828-P4-6	US TREASURY N/B	2,343,618	2,381,000	XXX	02/15/2026	V
JP MORGAN CHASE BANK N.A.	7H6GLXDRUGQFUS7RNE97	Cash			381,370,000	XXX		V	
GOLDMAN SACHS BANK USA	KD3XUN7C6T14HNAYLU02	Cash			189,570,000	XXX		V	
CITIBANK N.A. NEW YORK	ES70DZ1Z7FF32TIEFA76	Cash			179,060,000	XXX		V	
MORGAN STANLEY CAPITAL SERVICES INC	I7331LVCZKQKXST7XV54	Cash			80,957,000	XXX		V	
BARCLAYS BANK PLC	G5GSEF7VJP517OUK5573	Cash			60,410,000	XXX		V	
HSBC BANK USA	11EBVN30JCEQV1H4R804	Cash			43,420,000	XXX		V	
DEUTSCHE BK AG	7LTWIFZY1QNSX8D621K86	Cash			18,260,000	XXX		V	
BNP PARIBAS	ROMUJSPFUBMPRO8K5P83	Cash			16,620,000	XXX		V	
MORGAN STANLEY & CO LLC	9R7GPTS07KV3UQJZQ078	Cash			11,861,142	XXX		V	
BANK OF AMERICA N.A.	B4TYDEB6GKMZ0031MB27	Cash			940,000	XXX		V	
0299999999 - Total					1,030,748,435	47,884,600	XXX	XXX	XXX



SCHEDULE DL - PART 1  
SECURITIES LENDING COLLATERAL ASSETS

Reinvested Collateral Assets Owned Current Statement Date  
(Securities lending collateral assets reported in aggregate on Line 10 of the Assets page and not included on Schedules A, B, BA, D, DB and E)

1	2	3	4	5	6	7
CUSIP Identification	Description	Code	NAIC Designation and Administrative Symbol/ Market Indicator	Fair Value	Book/Adjusted Carrying Value	Maturity Date
0599999. Total - U.S. Government Bonds						XXX
1099999. Total - All Other Government Bonds						XXX
1799999. Total - U.S. States, Territories and Possessions Bonds						XXX
2499999. Total - U.S. Political Subdivisions Bonds						XXX
3199999. Total - U.S. Special Revenues Bonds						XXX
3899999. Total - Industrial and Miscellaneous (Unaffiliated) Bonds						XXX
4899999. Total - Hybrid Securities						XXX
5599999. Total - Parent, Subsidiaries and Affiliates Bonds						XXX
6099999. Subtotal - SVO Identified Funds						XXX
6399999. Subtotal - Bank Loans						XXX
6499999. Total - Issuer Obligations						XXX
6599999. Total - Residential Mortgage-Backed Securities						XXX
6699999. Total - Commercial Mortgage-Backed Securities						XXX
6799999. Total - Other Loan-Backed and Structured Securities						XXX
6899999. Total - SVO Identified Funds						XXX
6999999. Total - Bank Loans						XXX
7099999. Total Bonds						XXX
7399999. Total - Preferred Stocks						XXX
7799999. Total - Common Stocks						XXX
7899999. Total - Preferred and Common Stocks						XXX
	Cash			448,117,200	448,117,200	
9099999. Total - Cash (Schedule E Part 1 type)				448,117,200	448,117,200	XXX
	NATWEST MARKETS SECURITIES INC TRIREPO 2.45% 7/1/2019 TSV			75,000,000	75,000,000	07/01/2019
9199999. Total - Cash Equivalents (Schedule E Part 2 type)				75,000,000	75,000,000	XXX
9999999 - Totals				523,117,200	523,117,200	XXX

General Interrogatories:

1. Total activity for the year
- Fair Value \$ (6,841,355) Book/Adjusted Carrying Value \$ (6,841,355)
2. Average balance for the year
- Fair Value \$ 554,793,687 Book/Adjusted Carrying Value \$ 554,793,687
3. Reinvested securities lending collateral assets book/adjusted carrying value included in this schedule by NAIC designation:
- NAIC 1 \$ NAIC 2 \$ NAIC 3 \$ NAIC 4 \$ NAIC 5 \$ NAIC 6 \$



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. .... Channel Islands, UK .....			9,744					.XXX.
Citibank, N.A. .... London, UK .....					6,842,788	46,653,161	12,672,225	.XXX.
Citibank, N.A. .... New Castle, DE .....					(3,746,769)	(7,081,742)	(5,081,353)	.XXX.
Citibank, N.A. .... New York, NY .....					24,914,002	23,668,004	31,521,200	.XXX.
Harris, N.A. .... Chicago, IL .....					834,082	187,638	447,331	.XXX.
JPMorgan Chase Bank, N.A. .... Houston, TX .....					9,326,955	18,226,720	19,349,238	.XXX.
JPMorgan Chase Bank, N.A. .... New York, NY .....					(43,669,440)	124,503,912	(41,187,266)	.XXX.
The Northern Trust Company .... Chicago, IL .....					150,000	267,036	408,391	.XXX.
Wells Fargo, N.A. .... Minneapolis, MN .....					(13,029,948)	(10,305,130)	(12,981,277)	.XXX.
Wells Fargo, N.A. .... San Francisco, CA .....					17,642	12,475	12,415	.XXX.
Beneficial State Bank .... Oakland, CA .....								
Beneficial State Bank .... CD Matures June 12, 2020 ...		2.130		11,234			10,548,010	.XXX.
Beneficial State Bank .... Oakland, CA .....								
Beneficial State Bank .... CD Matures June 13, 2019 ...		2.400	249,912		10,298,558	10,298,558		.XXX.
Carver Federal Savings FSB .... New York, NY .....								
Carver Federal Savings FSB .... CD Matures October 31, 2019 .....		2.860		115,956	6,031,321	6,031,321	6,031,321	.XXX.
City First Bank of D.C. .... Washington, DC .....								
City First Bank of D.C. .... CD Matures May 9, 2019 .....		2.450	107,067		4,328,955			.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	366,723	127,190	2,298,146	212,461,953	21,740,235	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	366,723	127,190	2,298,146	212,461,953	21,740,235	XXX
0499999. Cash in Company's Office	XXX	XXX	XXX	XXX				XXX
0599999. Total - Cash	XXX	XXX	366,723	127,190	2,298,146	212,461,953	21,740,235	XXX

STATEMENT AS OF JUNE 30, 2019 OF THE TEACHERS INSURANCE and ANNUITY ASSOCIATION of AMERICA

## SCHEDULE E - PART 2 - CASH EQUIVALENTS

Show Investments Owned End of Current Quarter

[illegible]