QUARTERLY STATEMENT
OF THE
Massachusetts Mutual Life Insurance Company
TO THE
Insurance Department
OF THE
STATE OF
FOR THE QUARTER ENDED SEPTEMBER 30, 2018

LIFE AND ACCIDENT AND HEALTH

2018



LIFE AND ACCIDENT AND HEALTH COMPANIES - ASSOCIATION EDITION

QUARTERLY STATEMENT

AS OF SEPTEMBER 30, 2018

OF THE CONDITION AND AFFAIRS OF THE

Massachusetts Mutual Life Insurance Company
 NAIC Group Code
 0435 (Current)
 0435 (Prior)
 NAIC Company Code
 65935 65935
 Employer's ID Number
 04-1590850
 , State of Domicile or Port of Entry MA Organized under the Laws of Massachusetts United States of America Country of Domicile Incorporated/Organized 05/15/1851 Commenced Business 08/01/1851 Statutory Home Office 1295 State Street Springfield , MA, US 01111 (Street and Number) (City or Town, State, Country and Zip Code) Main Administrative Office 1295 State Street (Street and Number) Springfield , MA, US 01111 413-788-8411 (City or Town, State, Country and Zip Code) (Area Code) (Telephone Number) Springfield, MA, US 01111 Mail Address 1295 State Street _, _ (Street and Number or P.O. Box) (City or Town, State, Country and Zip Code) Primary Location of Books and Records 1295 State Street (Street and Number) Springfield , MA, US 01111 413-788-8411 (Area Code) (Telephone Number) (City or Town, State, Country and Zip Code) Internet Website Address www.massmutual.com Statutory Statement Contact Yiji S. Starr 617-695-4651 (Area Code) (Telephone Number) (Name) 413-226-4086 ystarr02@massmutual.com (E-mail Address) (FAX Number) OFFICERS President and Chief Roger William Crandall Treasurer Executive Officer Todd Garett Picken Secretary _ Pia Denise Flanagan Appointed Actuary Douglas Wright Taylor OTHER Elizabeth Ward Chicares, Executive Vice President, Chief Financial Officer and Chief Actuary Mark Douglas Roellig, Executive Vice President and Melvin Timothy Corbett, Executive Vice President and Chief Investment Officer Michael Robert Fanning, Executive Vice President Chief Technology and Administrative Officer Adnan Omar Ahmed, Executive Vice President Geoffrey James Craddock, Chief Risk Officer DIRECTORS OR TRUSTEES Roger William Crandall - Chairman Karen Hall Bechtel Mark Thomas Bertolini Kathleen Ann Corbet Jeffrey Marc Leiden James Henry DeGraffenreidt, Jr. Isabella Davidov Goren Laura Jeanne Sen Marc Francis Racicot William Taylor Spitz Howard Todd Stitzer - Lead Director # State of Massachusetts - SS: County of Hampden

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.

Roger William Crandall President and Chief Executive Officer Pia Denise Flanagan Secretary Todd Garett Picken Treasurer

Yes [X] No []

a. Is this an original filing?

Subscribed and sworn to before me this day of

b. If no,1. State the amendment number....

- 2. Date filed
- 3. Number of pages attached.....

 Sto 2.1 2.2 Mon 3.1 3.2 Rea 4.1 4.2 4.3 Cas (\$ in Cas (\$ in 2.2 5. Cas (\$ in Cas (\$ in Cor Der Oth Sec 11. Agg		1 <u>Assets</u> 		3 Net Admitted Assets (Cols. 1 - 2) 	
 Sto 2.1 2.2 Mon 3.1 3.2 Rea 4.1 4.2 4.3 Cas (\$ in Cas (\$ in 2.2 5. Cas (\$ in Cas (\$ in Cor Der Oth Sec 11. Agg	bcks: Preferred stocks 2 Common stocks ortgage loans on real estate: First liens 2 Other than first liens al estate: Properties occupied by the company (less \$ encumbrances) 2 Properties held for the production of income (less \$	Assets 	Nonadmitted Assets	Net Admitted Assets (Cols. 1 - 2) 	Prior Year Net Admitted Assets
 Sto 2.1 2.2 Mon 3.1 3.2 Rea 4.1 4.2 4.3 Cas (\$ in Cas (\$ in Cas (\$ in Cas (\$ in Cas	bcks: Preferred stocks 2 Common stocks ortgage loans on real estate: First liens 2 Other than first liens al estate: Properties occupied by the company (less \$ encumbrances) 2 Properties held for the production of income (less \$	96, 382, 824, 681 		96,382,824,681 	90,434,764,618
 Sto 2.1 2.2 Mon 3.1 3.2 Rea 4.1 4.2 4.3 Cas (\$ in Cas (\$ in Cas (\$ in Cas (\$ in Cas	bcks: Preferred stocks 2 Common stocks ortgage loans on real estate: First liens 2 Other than first liens al estate: Properties occupied by the company (less \$ encumbrances) 2 Properties held for the production of income (less \$				
2.1 2.2 3. Moi 3.1 3.2 4. Rea 4.1 4.2 4.3 5. Cas (\$ 5. Cas (\$ 5. Cas (\$ 6. Cor 7. Der 8. Oth 9. Rea 10. Sec 11. Agg 12. Sub 13. Title only 14. Inva 15. Pre 15. 15.	Preferred stocks			.13,914,582,886 .23,328,066,803 	
2.2 3. Moi 3.1 3.2 4. Rea 4.1 4.2 4.3 5. Cas (\$ in 6. Cor 7. Der 8. Oth 9. Rea 10. Sec 11. Agg 12. Sutt 13. Title only 14. Inve 15. Pre 15. 15.	2 Common stocks			.13,914,582,886 .23,328,066,803 	
 Moi 3.1 3.2 4. Rea 4.1 4.2 4.3 5. Cas (\$ in 6. Cor 7. Der 8. Oth 9. Rea 10. Sec 11. Agg 12. Sut 13. Title only 14. Inva 15. Pre 15. 15. 	rtgage loans on real estate: First liens 2 Other than first liens al estate: Properties occupied by the company (less \$ encumbrances) 2 Properties held for the production of income (less \$				
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3.2 4. Rea 4.1 4.2 4.3 5. Cas (\$ in 6. Cor 7. Der 8. Oth 9. Rea 10. Sec 11. Agg 12. Sut 13. Title only 14. Inva 15. Pre 15. 15.	2 Other than first liens al estate: Properties occupied by the company (less \$ encumbrances) Properties held for the production of income (less \$				
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4.1 4.2 4.3 5. Cas (\$ in 6. Cor 7. Der 8. Oth 9. Rec 10. Sec 11. Agg 12. Sub 13. Title only 14. Inve 15. Pre 15. 15.	Properties occupied by the company (less \$				
4.2 4.3 5. Cas (\$ 6. Cor 7. Der 8. Oth 9. Rec 10. Sec 11. Agg 12. Sut 13. Title 01. 14. Inve 15. Pre 15. 15.	encumbrances)				
4.3 5. Cas (\$ in 6. Cor 7. Der 8. Oth 9. Rec 10. Sec 11. Agg 12. Sut 13. Title only 14. Inve 15. Pre 15.	Properties held for the production of income (less				
4.3 5. Cas (\$ in 6. Cor 7. Der 8. Oth 9. Rec 10. Sec 11. Agg 12. Sut 13. Title only 14. Inve 15. Pre 15.	\$				
 Case (\$ in Cor Der Oth Sec Sec Sub Title only Title only Inve Pre 15. 	Properties held for sale (less \$				
 Case (\$ in Cor Der Oth Sec Sec Sub Title only Title only Inve Pre 15. 	encumbrances)				
(\$ in 6. Cor 7. Der 8. Oth 9. Rec 10. Sec 11. Agg 12. Sut 13. Title only 14. Inve 15. Pre 15. 15.	sh (\$				
(\$ in 6. Cor 7. Der 8. Oth 9. Rec 10. Sec 11. Agg 12. Sut 13. Title only 14. Inve 15. Pre 15.	S		595,546		
in 6. Cor 7. Der 8. Oth 9. Rec 10. Sec 11. Agg 12. Sut 13. Title only 14. Inve 15. Pre 15.	hvestments (\$		595,546		
 6. Cor 7. Der 8. Oth 9. Rec 10. Sec 11. Agg 12. Sub 13. Title only 14. Inve 15. Pre 15. 	ntract loans (including \$premium notes) rivatives		595,546		
 7. Der 8. Oth 9. Rec 10. Sec 11. Agg 12. Sut 13. Title only 14. Inve 15. Pre 15. 	rivatives		45,549,908		8,857,280,579 7,677,785,202 204,853,007
 8. Oth 9. Rec 10. Sec 11. Agg 12. Sut 13. Title only 14. Inve 15. Pre 15. 	her invested assets ceivables for securities curities lending reinvested collateral assets gregate write-ins for invested assets btotals, cash and invested assets (Lines 1 to 11) e plants less \$		45,549,908		7,677,785,202
 9. Rec 10. Sec 11. Agg 12. Sut 13. Titte only 14. Inve 15. Pre 15. 	ceivables for securities				
 Sec. Agg Sub Title only Inve Inve Pre 15. 	curities lending reinvested collateral assets gregate write-ins for invested assets btotals, cash and invested assets (Lines 1 to 11) le plants less \$				
 Agg Sut Title only Inve Inve Pre 15. 	gregate write-ins for invested assets btotals, cash and invested assets (Lines 1 to 11) le plants less \$ charged off (for Title insurers ly) restment income due and accrued				
12. Sub 13. Title only 14. Inve 15. Pre 15. 15.	btotals, cash and invested assets (Lines 1 to 11) e plants less \$ charged off (for Title insurers ly) restment income due and accrued				
 Title only Inve 14. Inve 15. Pre 15. 	e plants less \$ charged off (for Title insurers y) restment income due and accrued		16 115 1E1		
only 14. Inve 15. Pre 15. 15.	ly) restment income due and accrued				
14. Inve 15. Pre 15. 15.	restment income due and accrued				
15. Pre 15. 15.					
15. 15.	emiums and considerations:	2,442,758,464			
15.					
	1 Uncollected premiums and agents' balances in the course of collection		2,942,320		
15.:	2 Deferred premiums, agents' balances and installments booked but				
15.:	deferred and not yet due (including \$				
15.	earned but unbilled premiums)				
	.3 Accrued retrospective premiums (\$				
	contracts subject to redetermination (\$)				
	insurance:				
	1 Amounts recoverable from reinsurers				
	.2 Funds held by or deposited with reinsured companies				
	3 Other amounts receivable under reinsurance contracts				
	nounts receivable relating to uninsured plans				
	rrent federal and foreign income tax recoverable and interest thereon				
	t deferred tax asset				
	aranty funds receivable or on deposit				
	ectronic data processing equipment and software				
21. Fur	rniture and equipment, including health care delivery assets				
	(\$				
	t adjustment in assets and liabilities due to foreign exchange rates				
	ceivables from parent, subsidiaries and affiliates				
	alth care (\$) and other amounts receivable				
	gregate write-ins for other than invested assets	3,792,211,025	1,483,390,719		2,458,024,667
26. Tot	tal assets excluding Separate Accounts, Segregated Accounts and rotected Cell Accounts (Lines 12 to 25)	176 915 077 924	1 882 053 785	175 033 024 130	170 900 940 563
	om Separate Accounts, Segregated Accounts and Protected Cell		1,002,000,700		
	ccounts				
28. Tot	tal (Lines 26 and 27)	247,754,215,611	1,882,053,785	245,872,161,826	240,063,222,121
DE	TAILS OF WRITE-INS				
1101					
1102					
	mmary of remaining write-ins for Line 11 from overflow page				
	tals (Lines 1101 through 1103 plus 1198)(Line 11 above)				
1	porate owned life insurance				
	ly refundable deposits, prepayments and miscellaneous assets				
2598. Sui 2599. Tot	bloyee insurance plan advances		I.14h 11/4 4X/		

ASSETS

LIABILITIES, SURPLUS AND OTHER FUNDS

		4	0
		1 Current	2 December 31
1.	Aggregate reserve for life contracts \$	Statement Date	Prior Year
	(including \$		
2.	Aggregate reserve for accident and health contracts (including \$		2,859,824,790
3.	Liability for deposit-type contracts (including \$ Modco Reserve)	14,145,373,247	
4.	Contract claims:	000 701 454	450 710 000
	4.1 Life		450,718,022
5.	Policyholders' dividends \$		24,903,999 10,007,757
6.	Provision for policyholders' dividends and coupons payable in following calendar year - estimated amounts:		
0.	6.1 Dividends apportioned for payment (including \$	1.631.366.261	1.591.383.608
	6.2 Dividends not yet apportioned (including \$		
	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		
	\$7,919,814 accident and health premiums		
9.	Contract liabilities not included elsewhere:		
	9.1 Surrender values on canceled contracts 9.2 Provision for experience rating refunds, including the liability of \$		
	experience rating refunds of which \$ is for medical loss ratio rebate per the Public Health		
	Service Act	13,436,052	7,673,131
	9.3 Other amounts payable on reinsurance, including \$		
	ceded		
	9.4 Interest Maintenance Reserve		
10.	Commissions to agents due or accrued-life and annuity contracts \$		
	\$		
11.	Commissions and expense allowances payable on reinsurance assumed	4,935,565	4,937,613
12.	General expenses due or accrued	1,050,727,196	1,074,342,178
13.	Transfers to Separate Accounts due or accrued (net) (including \$(147,438,217) accrued for expense	(100,070,000)	
4.4	allowances recognized in reserves, net of reinsured allowances)		
14. 15.1	Taxes, licenses and fees due or accrued, excluding federal income taxes Current federal and foreign income taxes, including \$		
	Net deferred tax liability		
16.	Unearned investment income		
17.	Amounts withheld or retained by company as agent or trustee		
18.	Amounts held for agents' account, including \$ agents' credit balances		
19.	Remittances and items not allocated	1,037,141,741	
20.	Net adjustment in assets and liabilities due to foreign exchange rates		
21.	Liability for benefits for employees and agents if not included above		
22.	Borrowed money \$		
23.	Dividends to stockholders declared and unpaid		
24.	Miscellaneous liabilities: 24.01 Asset valuation reserve	2 716 170 275	2 207 060 597
	24.01 Asset valuation reserve		
	24.03 Funds held under reinsurance treaties with unauthorized and certified (\$		
	24.04 Payable to parent, subsidiaries and affiliates		
	24.05 Drafts outstanding		
	24.06 Liability for amounts held under uninsured plans		
	24.07 Funds held under coinsurance		
	24.08 Derivatives		
	24.09 Payable for securities		
	24.10 Payable for securities lending		
25.	Aggregate write-ins for liabilities	8,906,720,361	8,741,413,480
26.	Total liabilities excluding Separate Accounts business (Lines 1 to 25)	160,310,922,346	155, 195, 727, 040
27.	From Separate Accounts Statement		
28.	Total liabilities (Lines 26 and 27)	231, 150, 060, 033	224,358,005,468
29.	Common capital stock		,,
30.	Preferred capital stock		
31.	Aggregate write-ins for other than special surplus funds		
32.	Surplus notes		
33.	Gross paid in and contributed surplus		
34.	Aggregate write-ins for special surplus funds		
35. 26	Unassigned funds (surplus)		13,434,339,360
36.	Less treasury stock, at cost: 36.1 shares common (value included in Line 29 \$		
	36.2		
37.	Surplus (Total Lines 31+32+33+34+35-36) (including \$ in Separate Accounts Statement)	14,722,101,793	15,705,216,653
38.	Totals of Lines 29, 30 and 37	14,722,101,793	15,705,216,653
39.	Totals of Lines 28 and 38 (Page 2, Line 28, Col. 3)	245,872,161,826	240,063,222,121
	DETAILS OF WRITE-INS		
2501.	Repurchase agreements	4,858,802,272	4,212,561,002
2502.	Derivative collateral		2,660,944,773
2503.	Derivative accrued interest		1,781,371,416
2598.	Summary of remaining write-ins for Line 25 from overflow page		
2599.	Totals (Lines 2501 through 2503 plus 2598)(Line 25 above)	8,906,720,361	8,741,413,480
3101.			
3102. 3103.			
3103. 3198.	Summary of remaining write-ins for Line 31 from overflow page		
3198. 3199.	Totals (Lines 3101 through 3103 plus 3198)(Line 31 above)		
3401.	Designated surplus for group annuities		
3402.	Designated surplus for separate account business		
3403.			
3498.	Summary of remaining write-ins for Line 34 from overflow page		
0.000	Totals (Lines 3401 through 3403 plus 3498)(Line 34 above)	3,250,000	3,250,000

SUMMARY OF OPERATIONS

		1	2	3
		Current Year	Prior Year	Prior Year Ended
-	Premiums and annuity considerations for life and accident and health contracts	To Date 16,713,495,443	<u>To Date</u> 15,022,709,126	December 31
1. 2.	Considerations for supplementary contracts with life contingencies		13,957,507	
3.	Net investment income			6,427,963,678
4.	Amortization of Interest Maintenance Reserve (IMR)	59,425,344		112,616,566
5.	Separate Accounts net gain from operations excluding unrealized gains or losses	(20)	1,003,288	1,003,477
6.	Commissions and expense allowances on reinsurance ceded			
7.	Reserve adjustments on reinsurance ceded	(109,711,407)	9, 188,939	
8.	Miscellaneous Income:			
	8.1 Income from fees associated with investment management, administration and contract guarantees from Separate Accounts.	204 472 168	276 762 336	374 855 328
	8.2 Charges and fees for deposit-type contracts			
	8.3 Aggregate write-ins for miscellaneous income	447,990,815	773,216,921	916.084.043
9.	Totals (Lines 1 to 8.3)	22,773,186,737	21,201,444,242	25,452,541,042
10.		1,345,808,857	1,412,730,877	1,851,615,205
11.	Matured endowments (excluding guaranteed annual pure endowments)			
12.	Annuity benefits		1,506,948,090	
13.	Disability benefits and benefits under accident and health contracts			
14.	Coupons, guaranteed annual pure endowments and similar benefits			
15.	Surrender benefits and withdrawals for life contracts			
16.	Group conversions Interest and adjustments on contract or deposit-type contract funds	204 007 610	045 406 015	
17. 18.	Payments on supplementary contracts with life contingencies			
10.	Increase in aggregate reserves for life and accident and health contracts	5. 105. 189. 175	4,047,783,983	
20.	Totals (Lines 10 to 19)		19.852.203.855	
21.	Commissions on premiums, annuity considerations, and deposit-type contract funds (direct	20,000,002,072		
	business only)			
22.	Commissions and expense allowances on reinsurance assumed			
23.	General insurance expenses	1,753,177,061	1,887,645,071	
24.	Insurance taxes, licenses and fees, excluding federal income taxes			
25.	Increase in loading on deferred and uncollected premiums		(14,322,761)	
26. 27.	Net transfers to or (from) Separate Accounts net of reinsurance Aggregate write-ins for deductions	(1,064,737,895). (832,043,642)	(632,490,730) (2,389,250,581)	(2,880,987,974) (863,948,960)
27.	Totals (Lines 20 to 27)	21,622,469,052	19,613,141,032	23,728,888,657
20.	Net gain from operations before dividends to policyholders and federal income taxes (Line 9 minus	21,022,403,032	13,013,141,032	23,720,000,037
25.	Line 28)	1,150,717,685	1,588,303,210	1,723,652,385
30.	Dividends to policyholders	1,145,025,266	1,150,627,362	1,569,130,529
31.	Net gain from operations after dividends to policyholders and before federal income taxes (Line 29			
	minus Line 30)	5,692,419		
32.	Federal and foreign income taxes incurred (excluding tax on capital gains)	20,795,137	(169,455,781)	(319,605,799)
33.	Net gain from operations after dividends to policyholders and federal income taxes and before realized capital gains or (losses) (Line 31 minus Line 32)	(15 102 719)	607,131,629	
34.	Net realized capital gains (losses) (Line 31 minus Line 32)	(15,102,710)	007, 131,029	
54.	gains tax of \$			
	transferred to the IMR)	(1,284,037,002)	(414,028,566)	(422,051,259)
35.	Net income (Line 33 plus Line 34)	(1,299,139,720)	193, 103, 063	52,076,396
	CAPITAL AND SURPLUS ACCOUNT	. , , , , ,	, ,	, ,
36.	Capital and surplus, December 31, prior year	15,705,216,653	15,423,489,956	15,423,489,956
37.	Net income (Line 35)	(1,299,139,720)		52,076,396
38.	Change in net unrealized capital gains (losses) less capital gains tax of \$			
39.	Change in net unrealized foreign exchange capital gain (loss)			
40.	J		, ,	
41.	Change in nonadmitted assets			
42.	Change in liability for reinsurance in unauthorized and certified companies			
43. 44.	Change in reserve on account of change in valuation basis, (increase) or decrease Change in asset valuation reserve			
44.	Change in treasury stock			
46.	Surplus (contributed to) withdrawn from Separate Accounts during period	3 153	10 136 548	10 139 720
47.	Other changes in surplus in Separate Accounts Statement			
48.	Change in surplus notes			
49.	Cumulative effect of changes in accounting principles		· · ·	
50.	Capital changes:			
	50.1 Paid in			
	50.2 Transferred from surplus (Stock Dividend)			
E 4	50.3 Transferred to surplus			
51.	Surplus adjustment:			
	51.1 Paid in 51.2 Transferred to capital (Stock Dividend)			
	51.2 Transferred for capital (Stock Dividend)			
	51.4 Change in surplus as a result of reinsurance			
52.	Dividends to stockholders			
53.	Aggregate write-ins for gains and losses in surplus		(2,745,922)	94,357,341
54.	Net change in capital and surplus for the year (Lines 37 through 53)	(983,114,860)	728,925,875	281,726,697
55.	Capital and surplus, as of statement date (Lines 36 + 54)	14,722,101,793	16,152,415,831	15,705,216,653
	DETAILS OF WRITE-INS			
	Management and administrative fees			
	Revenue sharing			
	Experience refunds on reinsurance contracts		121 502 520	
	Summary of remaining write-ins for Line 8.3 from overflow page			
	Totals (Lines 08.301 through 08.303 plus 08.398) (Line 8.3 above) Change in reserves due to reinsurance agreement	447,990,815	(645,448,313)	
	Reinsurance ceded adjustment		(13,948,676)	
	Market value adjustment transfer			
	Summary of remaining write-ins for Line 27 from overflow page			
	Totals (Lines 2701 through 2703 plus 2798)(Line 27 above)	(832,043,642)	(632,490,730)	
5301.	Other changes in surplus			
	Reinsurance ceded adjustment			
	Change in minimum pension liability			
5398.	Summary of remaining write-ins for Line 53 from overflow page			
	Totals (Lines 5301 through 5303 plus 5398)(Line 53 above)	(59,651,036)	(2,745,922)	94,357,341

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		14,885,798,703	
2.	Net investment income	5, 132, 951, 322	5,077,040,668	6,542,348,80
3.	Miscellaneous income	680,233,008	726,818,712	1,269,034,05
4.	Total (Lines 1 to 3)	22,912,082,417	20,689,658,083	28,736,069,95
5.	Benefit and loss related payments		15,498,561,849	
6.	Net transfers to Separate Accounts, Segregated Accounts and Protected Cell Accounts	(1,125,233,992)	(3,014,436,505)	
7.	Commissions, expenses paid and aggregate write-ins for deductions	1,850,281,394	1,972,569,704	
8.	Dividends paid to policyholders			
9.	Federal and foreign income taxes paid (recovered) net of \$61, 101,233 tax on capital			
	gains (losses)	(229,851,893)	51,076,659	2,936,4
10.	Total (Lines 5 through 9)	17,631,787,463	15,603,534,965	20,424,449,4
11.	Net cash from operations (Line 4 minus Line 10)	5,280,294,954	5,086,123,118	8,311,620,5
10	Cash from Investments			
12.	Proceeds from investments sold, matured or repaid: 12.1 Bonds	13 181 436 527	15 003 013 999	10 836 400 6
	12.1 Bonds			
	12.2 Stocks			
	12.4 Real estate			
	12.6 Net gains or (losses) on cash, cash equivalents and short-term investments			
	12.7 Miscellaneous proceeds	(281,279,798)	(381,496,997)	
	12.8 Total investment proceeds (Lines 12.1 to 12.7)	18,340,577,825	18,942,986,135 .	25,740,179,7
13.	Cost of investments acquired (long-term only):			
	13.1 Bonds			
	13.2 Stocks			1, 114, 586, 0
	13.3 Mortgage loans			
	13.4 Real estate			
	13.5 Other invested assets	1,383,746,130		1,850,706,9
	13.6 Miscellaneous applications	212,560,350	387,350,488	687,627,3
	13.7 Total investments acquired (Lines 13.1 to 13.6)	25,065,550,860	25,143,751,531	33,372,577,5
14.	Net increase (or decrease) in contract loans and premium notes	727,536,384	680,364,965	867,421,2
15.	Net cash from investments (Line 12.8 minus Line 13.7 and Line 14)	(7,452,509,419)	(6,881,130,361)	(8,499,819,0
	Cash from Financing and Miscellaneous Sources			
16.	Cash provided (applied):		05 500 070	05 000 0
	16.1 Surplus notes, capital notes			
	16.2 Capital and paid in surplus, less treasury stock			
	16.3 Borrowed funds			
	16.4 Net deposits on deposit-type contracts and other insurance liabilities			
	16.5 Dividends to stockholders			
	16.6 Other cash provided (applied)	536,684,195	(828,548,136)	(1,353,276,0
17.	Net cash from financing and miscellaneous sources (Line 16.1 through Line 16.4 minus Line 16.5 plus Line 16.6)	283,015,182	564,987,412	41,827,8
	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)	(1,889,199,283)	(1,230,019,831)	(146 , 370 , 6
19.	Cash, cash equivalents and short-term investments:			
	19.1 Beginning of year	3,579,565,622	3,725,936,280	3,725,936,2
	19.2 End of period (Line 18 plus Line 19.1)	1,690,366,339	2,495,916,449	3,579,565,6
_				
	upplemental disclosures of cash flow information for non-cash transactions:	··· ··· ··· ·		
20.00	01. Bond conversions and refinancing			

20.0001.	Bond conversions and refinancing		
20.0002.	Transfers from bonds to other invested assets		
20.0003.	Partnerships and LLCs contributed to Insurance Road LLC		
20.0004.	Premium for liabilities to bonds		
20.0005.	Transfer of mortgage loan to partnerships		
20.0006.	Bonds and common stock contributed to EM Opportunities LLC	74,068,049	
20.0007.	Stock conversions		
20.0008.	Transfer of partnerships to real estate		
20.0009.	Bank Ioan rollovers		
20.0010.	Dividend declared from Insurance Road LLC		

STATEMENT AS OF SEPTEMBER 30, 2018 OF THE Massachusetts Mutual Life Insurance Company ental disclosures of cash flow information for non-cash transactions:

20.0011. Change in market value of COLI	 	
20.0012. Dividend reinvestment	 	8,689,84
20.0013. Net investment income payment in-kind bonds		
20.0014. Net investment income payment in-kind stocks		
20.0015. Return of capital	 	
20.0016. Other invested assets contributed to subsidiary	 	
20.0017. Bonds received as consideration for a group annuity contract	270.503.724	489.864.21
20.0018. Transfer of real estate to other invested assets	 	
20.0019. Transfer of affiliated common stock	 102.800.714	102.800.71
20.0020. Bond distributions from other invested assets	 	
20.0021. Other invested assets to stocks	 	
20.0022. Premium ceded under new reinsurance agreement	 	4,001,682,58
20.0023. Funds held under coinsurance	 	4,001,571,69
20.0024. Premium recognized for a group annuity contract	 	
20.0025. Partnerships and LLCs contributed to MassMutual Asset Finance LLC	 	
20.0026. Stock to bond	 	73,953,11
20.0027. Transfer of mortgage loan to other than invested assets	 	
20.0028. Stock distributions from other invested assets	 	2,405,79

EXHIBIT 1

DIRECT PREMIUMS AND DEPOSIT-TYPE CONTRACTS

	DIRECT FREMIONS AND DEPOSIT-TIPE C			
		1 Current Year To Date	2 Prior Year To Date	3 Prior Year Ended December 31
1.	Industrial life			
2.	Ordinary life insurance		4,721,215,150	6,913,917,419
3.	Ordinary individual annuities	1,640,979,367	1,491,515,067	2,227,086,638
4.	Credit life (group and individual)			
5.	Group life insurance		1,013,506,146	1,442,551,013
6.	Group annuities	8,566,567,892	6,865,999,556	9,760,022,176
7.	A & H - group			
8.	A & H - credit (group and individual)			
9.	A & H - other			729,532,195
10.	Aggregate of all other lines of business			
11.	Subtotal			
12.	Deposit-type contracts		4,369,962,475	5,073,709,810
13.	Total	19,334,553,239	19,005,829,775	26,147,048,095
	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)			

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Note 1 – Summary of Significant Accounting Policies and Going Concern

Accounting practices: The accompanying financial statements of Massachusetts Mutual Life Insurance Company (the Company) have been prepared in conformity with the Statutory Accounting Practices (SAP) of the National Association of Insurance Commissioners (NAIC) and the accounting practices prescribed or permitted by the Commonwealth of Massachusetts Division of Insurance (the Division).

A reconciliation of the Company's net income and capital and surplus between NAIC SAP and practices prescribed and permitted by the Commonwealth of Massachusetts is shown below:

		F/S	F/S		
	SSAP #	Page	Line #	2018	2017
NET INCOME					
(1) State basis (Page 4, Line 35, Columns 1 & 3)	XXX	XXX	XXX	\$ (1,299,139,720)	\$ 52,076,396
(2) State prescribed practices that increase/(decrease) NAIC	N/A	N/A	N/A	-	-
(3) State permitted practices that increase/(decrease) NAIC	N/A	N/A	N/A	-	-
(4) NAIC SAP (1-2-3=4)	XXX	XXX	XXX	\$ (1,299,139,720)	\$ 52,076,396
SURPLUS					
(5) State basis (Page 3, Line 38, Columns 1 & 2)	XXX	XXX	XXX	\$ 14,722,101,793	\$ 15,705,216,653
(6) State prescribed practices that increase/(decrease) NAIC	N/A	N/A	N/A	-	-
(7) State permitted practices that increase/(decrease) NAIC	N/A	N/A	N/A	-	-
(8) NAIC SAP (5-6-7=8)	XXX	XXX	XXX	\$ 14,722,101,793	\$ 15,705,216,653

Use of estimates in the preparation of the financial statements - No change h

Accounting policy: (1-5) No change C.

(6) For loan-backed and structured securities, such as asset-backed securities, mortgage-backed securities, including residential mortgage-backed securities and commercial mortgage-backed securities, and structured securities, including collateralized debt obligations, amortization or accretion is revalued quarterly based on the current estimated cash flows, using either the prospective or retrospective adjustment methodologies.

Certain fixed income securities with the highest ratings from a rating agency follow the retrospective method of accounting. Under the retrospective method, the recalculated effective yield equates the present value of the actual and anticipated cash flows, including new prepayment assumptions, to the original cost of the investment. Prepayment assumptions are based on borrower constraints and economic incentives such as the original term, age and coupon of the loan as affected by the interest rate environment. The current carrying value is then increased or decreased to the amount that would have resulted had the revised vield been applied since inception, and investment income is correspondingly decreased or increased.

All other fixed income securities, such as floating rate bonds and interest only securities, including those that have been impaired, follow the prospective method of accounting. Under the prospective method, the recalculated future effective yield equates the carrying value of the investment to the present value of the anticipated future cash flows.

(7-14) No change

Going concern: d.

There is not substantial doubt regarding the Company's ability to continue as a going concern.

Note 2 – Accounting Changes and Corrections of Errors

For the nine months ended September 30, 2018, corrections of prior years' errors were recorded in surplus, net of tax: а

	Increase (Decrease) to:							
	Prior Years'			Current		Asset		
				Year		or Liability		
		Net Income Surplus				Balances		
Partnerships and limited liability companies	\$	-	\$	(58,641,016)	\$	(58,641,016)		
Deferred income taxes		-		(36,021,141)		(36,021,141)		
Policyholders' reserves		(45,344,914)		(45,344,914)		45,344,914		
Policyholders' dividends		(3,397,000)		(3,397,000)		3,397,000		
Total	\$	(48,741,914)	\$	(143,404,071)				

Of the \$143,404,071 decrease to surplus for prior years' errors, \$48,741,914 was recorded as prior period adjustments with offsets of \$58,641,016 that was recorded as a change in nonadmitted assets, net of taxes and \$36,021,141 that was recorded as a change in net deferred income taxes in the Summary of Operations.

For the nine months ended September 30, 2017, corrections of prior years' errors were recorded in surplus, net of tax:

	Increase (Decrease) to:							
	Prior			Current		Asset		
		Years'		Year		or Liability		
		Net Income		Surplus		Balances		
Partnerships and limited liability companies	\$	-	\$	(1,477,867)	\$	(1,477,867)		
Other than invested assets		4,115,825		4,115,825		4,115,825		
Policyholders' reserves		5,230,979		5,230,979		(5,230,979)		
General expenses due or accrued		(3,835,198)		(3,835,198)		3,835,198		
Other Liabilities		246,229		246,229		246,229		
Total	\$	5,757,835	\$	4,279,968				

Of the \$4,279,968 increase to surplus for prior years' errors, \$5,757,835 was recorded as prior period adjustments and \$1,477,867 was recorded as a change in nonadmitted assets, net of tax in the Summary of Operations.

b. Adoption of new accounting standards:

In June 2016, the NAIC adopted substantive revisions to Statements of Statutory Accounting Principles (SSAP) No. 51R, Life Contracts, to incorporate references to the Valuation Manual and to facilitate the implementation of principles-based reserving (PBR), which were effective on January 1, 2017. The adoption of PBR only applies to new life insurance policies issued after January 1, 2017, however the Company plans to adopt these revisions to SSAP No. 51R using the 3-year phased in approach by no later than January 1, 2020. The Company currently uses formulas and assumptions to determine reserves as prescribed by state laws and regulations. Under PBR, the Company will be required to hold the higher of (a) the reserve using prescribed factors and (b) the PBR reserve which considers a wide range of future economic conditions, computed using justified company experience factors, such as mortality, policyholder behavior and expenses. The Company is currently assessing the impact of these modifications on the Company's financial statements.

In January 2017, the NAIC adopted modifications to SSAP No. 86, Derivatives, which were effective January 1, 2018. The modifications maintain gross reporting of derivative variation margin as a separate unit of account, rather than characterizing as a legal settlement with mark-to-market changes recorded in surplus. Regarding exchange traded futures, these modifications further clarified that variation margin and mark-to-market changes should be recorded in the same manner as all other derivative instruments. Starting in 2018, the Company records mark-to-market gains and losses from exchange traded futures as unrealized gains or losses instead of realized gains or losses and grosses up the derivatives and collateral line items on its financial statements. These modifications did not impact total surplus and did not have a material impact on the Company's financial statements.

In April 2017, the NAIC adopted modifications to SSAP No. 69, Statement of Cash Flows, to adopt Accounting Standards Update (ASU) No. 2016-15, Classification of Certain Cash Receipts and Cash Payments, in its entirety, effective January 1, 2018 on a retrospective basis. In June 2017, the NAIC adopted additional modifications to SSAP No. 69 to incorporate portions of ASU No. 2016-18, Restricted Cash, effective December 31, 2019 with early adoption permitted. The initial modifications address the classification and disclosure of certain items within the statements of cash flows. Upon adoption, proceeds from the settlement of the Company's corporate owned life insurance policies were classified as investing activities instead of operating activities. Additionally, the Company elected to apply the nature of distribution approach to subsidiary, controlled or affiliated equity method investments and the cumulative earnings approach to all other equity method investments in determining whether distributions received from equity method investees are returns on investment, recorded as operating activities, or returns of investment, recorded as investing activities. Effective January 1, 2018, the Company early adopted on a retrospective basis the second modification by adding restricted cash, cash equivalents and short-term investments to the existing statutory disclosure requirements, which are defined in SSAP No. 1, Accounting Policies, Risks & Uncertainties and Other Disclosures. Although the adoption of these modifications required reclassification between investing and operating cash flows, they did not have a material impact on the Company's financial statements.

In October 2017, the NAIC adopted revisions to SSAP No. 68, Business Combinations and Goodwill, to include information about impairment triggering events that previously existed in SSAP No. 90, Impairment or Disposal of Real Estate Investments, to ensure that the impairment process is discussed in its entirety within SSAP No. 68. Specifically the NAIC modified paragraph 8 of SSAP No. 68 to include information about impairment triggering events affecting long-lived assets which include; a) a significant decrease in its fair value, b) a significant adverse change in the extent or manner in which the asset is being utilized, c) a significant adverse change in legal factors or in the business climate that could potentially affect its value, d) an accumulation of costs that significantly exceed the amount originally anticipated for acquisition or construction, e) a current period operating or cash flow loss combined with a history of operating or cash flow losses, or a projection or forecast demonstrating continuous loss associated with its use, and f) a current expectation that, more likely than not, the asset will be sold or disposed of before the end of its estimated useful life. The Company continues to assess goodwill impairment in accordance with the revisions to SSAP No. 68. The adoption of the revisions did not have a material effect on the Company's financial statements.

In November 2017, the NAIC adopted modifications to SSAP No. 100R, Fair Value, allowing net asset value (NAV) per share as a practical expedient to fair value, either when specifically named in a SSAP or when the investee qualifies as an investment company, which were effective January 1, 2018. These modifications adopted, with modification, applicable U.S. GAAP, allowing greater consistency with Financial Accounting Standards Board's allowable use of NAV. These modifications also included the U.S. GAAP requirement to report instruments measured at NAV as a practical expedient outside of the fair value hierarchy disclosure as a separate item, along with a description of the terms and conditions of redemption features, amounts of unfunded commitments, restrictions to sell, and various other items. As a result of these modifications, the NAIC issued SSAP No. 100R, Fair Value. The adoption of these modifications did not have an impact on the Company's financial statements.

In November 2017, the NAIC adopted modifications to SSAP No. 97, Investments in Subsidiary, Controlled and Affiliated Entities, for SCA (Subsidiary and Controlled Affiliate) loss tracking and filing deadlines, which are effective December 31, 2018. The modifications add a loss-tracking disclosure for inclusion in year-end financials, which will track the losses beginning when the SCA's equity value falls below zero and will remain as long as the SCA's equity value remains in a deficit position and through the first year in which the equity position becomes positive. The modifications further clarify the SCA filing deadlines that have extended the Sub-1 filings from a 30-day to a 90-day timeframe and the Sub 2 from a June 30th deadline to an August 31st deadline. For SCA filings that regularly occur after the August 31st deadline, the filing is due one month after the audit date. The Company has adopted these modifications and currently has very few SCA's in a loss position.

In February 2018, the NAIC adopted modifications to SSAP No. 9, Subsequent Events, and SSAP No. 101, Income Taxes, to temporarily allow any revised tax calculations resulting from the Tax Cuts and Job Act that occurred after statutory filing, to be classified as changes in estimate, thus avoiding classification as Type 1 subsequent events. Under SSAP No. 9, reporting entities are generally required to amend their filed statutory financial statements in their domestic state to ensure that the statutory financial statements and the audited financial statements are consistent if a Type 1 event is identified after the statutory financial statements are filed, but before the audited financial statements are issued. The adoption of this modification did not materially impact the Company's financial statements.

In February 2018, the NAIC adopted modifications to SSAP No. 92, Pensions, and SSAP No. 102, Postretirement Benefits Other Than Pension, to eliminate the reconciliation of level 3 pension plan assets from the Company's financial statement disclosures, which were effective March 24, 2018. This guidance further clarifies that detailed information regarding the reconciliation of the level 3 fair value categories of these assets is no longer required for statutory reporting purposes as the plan assets are not reported in the balance sheet of insurance entities. The Company has adopted these modifications.

Note 3 - Business Combinations and Goodwill - No change

Note 4 - Discontinued Operations - No change

Note 5 - Investments

a. Mortgage loans, including mezzanine real estate loans - No change

- b. Debt restructuring No change
- c. Reverse mortgages No change
- d. Loan-backed securities:
 - (1) Prepayment assumptions for loan-backed and structured securities are based on various assumptions and inputs obtained from external industry sources along with internal analysis and actual experience.
 - (2) The following contains loan-backed and structured securities that recognized other-than-temporary impairments (OTTI) classified on the following bases for recognizing OTTI:

			(1)			2)		(3)
				_				
			Amortized	Recognized in Loss				
			Cost Basis	(2)	-			
			Before	(2a)		(2b)		Fair Value
			OTTI	Interest		Non-interest		1-(2a+2b)
отт	Γl recognized in the first quarter							
a.	Intent to sell	\$	-	\$-	\$	-	\$	-
b.	Inability or lack of intent to retain the investment	Ŧ		Ŧ	Ŧ		Ŧ	
υ.	in the security for a period of time sufficient to							
	recover the amortized cost basis		645,690	-		157,509		488,181
c.	Total first quarter	\$	645,690	\$-	\$	157,509	\$	488,181
0.		Ψ	010,000	<u> </u>	= 🌥	101,000	Ψ	100,101
ОТТ	I recognized in the second quarter							
d.	Intent to sell	\$	-	\$-	\$	-	\$	-
e.	Inability or lack of intent to retain the investment							
	in the security for a period of time sufficient to							
	recover the amortized cost basis		634,235			355,014		279,221
f.	Total second quarter	\$	634,235	\$-	\$	355,014	\$	279,221
отт	I recognized in the third quarter							
g.	Intent to sell	\$	-	\$-	\$	-	\$	-
h.	Inability or lack of intent to retain the investment	Ŧ		Ŧ	+		•	
	in the security for a period of time sufficient to							
	recover the amortized cost basis		5,082,148	-		1,170,166		3,911,982
i.	Total third quarter	\$	5,082,148	\$-	\$	1,170,166	\$	3,911,982
OTT	Γl recognized in the fourth quarter							
j.	Intent to sell	\$	-	\$-	\$	-	\$	-
k.	Inability or lack of intent to retain the investment							
	in the security for a period of time sufficient to							
	recover the amortized cost basis		-			-		-
I.	Total fourth quarter	\$	-	\$ -	\$	-	\$	-
				<u></u>		4 000 000		
m.	Annual aggregate total			\$-	\$	1,682,689		

All impairments were taken due to the present value of cash flows expected to be collected being less than the amortized cost basis.

(3) The following is a CUSIP detail list of impaired structured securities where the present value of cash flows expected to be collected is less than the amortized cost basis.

CUSIP	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value at Time of OTTI	Date of Financial Instrument Where Reported
07386HEN7	\$ 43,711	\$ 2,334	\$ (41,377)	\$ 2,334	\$ 1,609	March 31, 2018
79548KXQ6	520,764	476,293	(44,471)	476,293	365,994	March 31, 2018
45660NZY4	81,215	9,554	(71,661)	9,554	80,891	March 31, 2018
59020UW43	337,732	271,686	(66,046)	271,686	354,508	June 30, 2018
76110H4M8	6,848	1,969	(4,879)	1,969	1,713	June 30, 2018
863579DV7	289,655	5,567	(284,089)	5,567	30,531	June 30, 2018
05535DCF9	3,453,726	3,140,349	(313,377)	3,140,349	3,134,409	September 30, 2018
07384YPP5	321,556	148,612	(172,945)	148,612	132,968	September 30, 2018
07386HCP4	2,164	(6,255)	(8,418)	(6,255)	320	September 30, 2018
07386HEN7	_	(41,377)	(41,377)	(41,377)	_	September 30, 2018
59020UW43	329,155	263,109	(66,046)	263,109	330,939	September 30, 2018
76110H4M8	6,594	(3,719)	(10,313)	(3,719)	641	September 30, 2018
79548KXQ6	467,480	383,145	(84,335)	383,145	292,015	September 30, 2018
863579DV7	289,784	5,696	(284,089)	5,696	28,209	September 30, 2018
45660NZY4	100,128	28,466	(71,661)	28,466	30,813	September 30, 2018
86359ACG6	(6,046)	(6,044)	2	(6,044)	2	September 30, 2018
939336Z48	117,607	_	(117,607)	_	126,945	September 30, 2018
Totals	\$ 6,362,073	\$ 4,679,385	\$ (1,682,689)	\$ 4,679,385	\$ 4,912,507	

(4) As of September 30, 2018, the gross unrealized losses and fair values for investments in structured and loan-backed securities for which an OTTI has not been recognized in earnings follow:

a.	The aggregate amount of unrealized losses:		
	1. Less than 12 months	\$	(66,353,271)
	2. 12 months or longer	\$	(54,596,429)
b.	The aggregate related fair value of securities with unrealized lo	sses:	
	1. Less than 12 months	\$	6,186,274,900
	2. 12 months or longer	\$	1,364,118,957

- (5) No change
- e. Dollar repurchase agreements and/or securities lending transactions: The Company did not have any dollar repurchase agreements and/or securities lending transactions.
- f. Repurchase agreements transactions accounted for as secured borrowing:
 - (1) The Company has entered into repurchase agreements whereby the Company sells securities and simultaneously agrees to repurchase the same or substantially the same securities. These repurchase agreements are accounted for as collateralized borrowings with the proceeds from the sale of the securities recorded as a liability and the underlying securities continue to be recorded as an investment by the Company. Earnings on these investments are recorded as investment income and the difference between the proceeds and the amount at which the securities will be subsequently reacquired is amortized as interest expense. Repurchase agreements are used as a tool for overall portfolio management to help ensure the Company maintains adequate assets in order to provide yield, spread and duration to support liabilities and other corporate needs.

The Company provides collateral, as dictated by the repurchase agreements, to the counterparty in exchange for a loan. If the fair value of the securities sold becomes less than the loan, the counterparty may require additional collateral.

The carrying value, which is at cost, reported in the Company's assets as repurchase agreements approximates the fair value.

(2) Type of Repo Trades Used

		1	2	3	4
		FIRST	SECOND	THIRD	FOURTH
		QUARTER	QUARTER	QUARTER	QUARTER
a.	Bilateral (YES/NO)	YES	YES	YES	
b.	Tri-Party (YES/NO)	NO	NO	NO	

(3) Original (Flow) & Residual Maturity

			FIRST Q	UAF	RTER			SECOND	QU	ARTER	
		1	2		3	4	5	6		7	8
					AVERAGE					AVERAGE	
					DAILY	ENDING				DAILY	ENDING
		MINIMUM	MAXIMUM		BALANCE	BALANCE	MINIMUM	MAXIMUM		BALANCE	BALANCE
a.	Open – No Maturity	\$ -	\$ -	\$	-	\$ -	\$ -	\$ -	\$	-	\$ -
b.	Overnight	\$ -	\$ -	\$	-	\$ -	\$ -	\$ -	\$	-	\$ -
c.	2 Days to 1 Week	\$ -	\$ -	\$	-	\$ -	\$ -	\$ -	\$	-	\$ -
d.	> 1 Week to 1 Month	\$ -	\$ 1,121,882,350	\$	320,537,814	\$ -	\$ -	\$ -	\$	-	\$ -
e.	> 1 Month to 3 Months	\$ 94,828,125	\$ 2,105,640,126	\$	964,706,241	\$ 1,496,137,626	\$ 1,007,169,375	\$ 2,119,566,600	\$	1,563,633,781	\$ 1,007,169,375
f.	> 3 Months to 1 Year	\$ 1,741,826,405	\$ 4,108,773,155	\$	2,864,718,629	\$ 2,604,256,939	\$ 1,971,923,013	\$ 3,087,912,301	\$	2,536,512,794	\$ 3,087,912,301
g.	> 1 Year	\$ -	\$ -	\$	-	\$ -	\$ -	\$ -	\$	-	\$ -

NOTES TO FINANCIAL STATEMENTS

			THIRD Q	UAF	RTER			FOURTH	QU	ARTER		
		9	10		11	12	13	14		15	16	
					AVERAGE					AVERAGE		
					DAILY	ENDING				DAILY	ENDING	
		MINIMUM	MAXIMUM		BALANCE	BALANCE	MINIMUM	MAXIMUM		BALANCE	BALANCE	
a.	Open – No Maturity	\$ -	\$ -	\$	-	\$ -	\$ -	\$ -	\$	-	\$	
b.	Overnight	\$ -	\$ -	\$	-	\$ -	\$ -	\$ -	\$	-	\$	
c.	2 Days to 1 Week	\$ -	\$ -	\$	-	\$ -	\$ -	\$ -	\$	-	\$	
d.	> 1 Week to 1 Month	\$ 319,312,500	\$ 744,687,500	\$	294,852,809	\$ 425,375,000	\$ -	\$ -	\$	-	\$	
e.	> 1 Month to 3 Months	\$ 92,596,875	\$ 2,293,329,751	\$	839,267,760	\$ 2,293,329,751	\$ -	\$ -	\$	-	\$	
f.	> 3 Months to 1 Year	\$ 2,112,693,673	\$ 4,103,662,024	\$	3,482,143,563	\$ 2,112,693,673	\$ -	\$ -	\$	-	\$	
g.	> 1 Year	\$ -	\$ -	\$	-	\$ -	\$ -	\$ -	\$	-	\$	

(4) The company did not have any repurchase agreements where securities sold and/or acquired resulted in default as of September 30, 2018.

(5) Securities "Sold" Under Repo – Secured Borrowing

			FIRST Q	UARTER			SECOND	QUARTER	
		1	2	3	4	5	6	7	8
				AVERAGE				AVERAGE	
				DAILY	ENDING			DAILY	ENDING
		MINIMUM	MAXIMUM	BALANCE	BALANCE	MINIMUM	MAXIMUM	BALANCE	BALANCE
a.	BACV	XXX	XXX	XXX	\$ 4,100,394,564	XXX	XXX	XXX	\$ 4,095,081,676
	Nonadmitted - Subset								
b.	of BACV	XXX	XXX	XXX	\$-	XXX	XXX	XXX	\$ -
c.	Fair Value	\$ 4,100,394,564	\$ 4,203,824,405	\$ 4,149,962,685	\$ 4,100,394,564	\$ 4,090,299,176	\$ 4,113,037,064	\$ 4,100,146,575	\$ 4,095,081,676
_									
			THIRD Q	UARTER			FOURTH	QUARTER	

		9	10	11	12	13	14	15	16
				AVERAGE				AVERAGE	
				DAILY	ENDING			DAILY	ENDING
		MINIMUM	MAXIMUM	BALANCE	BALANCE	MINIMUM	MAXIMUM	BALANCE	BALANCE
a.	BACV	XXX	XXX	XXX	\$ 4,831,398,424	XXX	XXX	XXX	\$-
b.	Nonadmitted - Subset of BACV	XXX	XXX	XXX	\$ -	xxx	xxx	xxx	\$-
c.	Fair Value	\$ 4,097,581,676	\$ 4,856,687,174	\$ 4,616,264,132	\$ 4,831,398,424	\$-	\$ -	\$-	\$-

(6) Securities Sold Under Repo – Secured Borrowing by NAIC Designation

ENDING BALANCE

		1	2	3	4	5	6	7	8 NON-
		NONE	NAIC 1	NAIC 2	NAIC 3	NAIC 4	NAIC 5	NAIC 6	ADMITTED
a.	Bonds - BACV	\$ -	\$ 4,831,398,424	\$ -	\$-	\$ -	\$-	\$-	\$-
b.	Bonds - FV	-	4,831,398,424	-	-	-	-	-	-
c.	LB & SS - BACV	-	-	-	-	-	-	-	-
d.	LB & SS - FV Preferred Stock -	-	-	-	-	-	-	-	-
e.	BACV	-	-	-	-	-	-	-	-
f.	Preferred Stock - FV	-	-	-	-	-	-	-	-
g.	Common Stock Mortgage Loans -	-	-	-	-	-	-	-	-
h.	BACV	-	-	-	-	-	-	-	-
i.	Mortgage Loans - FV	-	-	-	-	-	-	-	-
j.	Real Estate - BACV	-	-	-	-	-	-	-	-
k	Real Estate - FV	-	-	-	-	-	-	-	-
Ι.	Derivatives - BACV	-	-	-	-	-	-	-	-
m.	Derivatives - FV	-	-	-	-	-	-	-	-
n.	Other Invested Assets - BACV	-	-	-	-	-	-	-	-
о.	Other Invested Assets - FV	-	-	-	-	-	-	-	-
p.	Total Assets - BACV	\$ -	\$ 4,831,398,424	\$-	\$ -	\$-	\$-	\$ -	\$-
q.	Total Assets - FV	\$ -	\$ 4,831,398,424	\$ -	\$ -	\$ -	\$ -	\$ -	\$-

p=a+c+e+g+h+j+l+n q=b+d+f+g+i+k+m+o

(7) Collateral Received – Secured Borrowing

			FIRST Q	RTER	SECOND QUARTER									
		1	2		3	4		5		6		7		8
					AVERAGE							AVERAGE		
					DAILY	ENDING						DAILY		ENDING
		MINIMUM	MAXIMUM		BALANCE	BALANCE		MINIMUM		MAXIMUM		BALANCE		BALANCE
a.	Cash	\$ 624,582	\$ 10,857,033	\$	6,430,230	\$ 10,295,552	\$	388,552	\$	2,390,171	\$	1,255,946	5	503,580
b.	Securities (FV)	\$ 3,778,390,472	\$ 4,206,605,166	\$	4,126,411,115	\$ 4,108,428,154	\$	4,096,770,136	\$	4,125,503,202	\$	4,109,336,506	6 4	4,103,040,109
											_			

			THIRD Q	UAF	RTER		FOURTH QUARTER							
		9	10		11	12		13		14		15		16
					AVERAGE							AVERAGE		
					DAILY	ENDING						DAILY		ENDING
		MINIMUM	MAXIMUM		BALANCE	BALANCE		MINIMUM		MAXIMUM		BALANCE		BALANCE
a.	Cash	\$ 503,580	\$ 9,502,602	\$	5,067,207	\$ 9,502,602	\$	-	\$	-	\$	-	\$	-
b.	Securities (FV)	\$ 4,107,196,773	\$ 4,869,201,192	\$	4,628,107,460	\$ 4,842,429,259	\$	-	\$	-	\$	-	\$	-

(8) Cash & Non-Cash Collateral Received – Secured Borrowing by NAIC Designation

ENDING BALANCE

			1 NONE	2 NAIC 1		3 NAIC 2		4 NAIC 3		5 NAIC 4		6 NAIC 5		7 NAIC 6	8 DOES NOT QUALIFY AS ADMITTED
a.	Cash	\$	9,502,602	\$ -	\$		\$		\$		\$		\$		\$ -
b.	Bonds - FV	*	-	4,842,429,259	Ŧ	-	Ť	-	Ŧ	-	Ŧ	-	-	-	-
C.	LB & SS - FV		-	-		-		-		-		-		-	-
d.	Preferred Stock - FV		-	-		-		-		-		-		-	-
e.	Common Stock		-	-		-		-		-		-		-	-
f.	Mortgage Loans - FV		-	-		-		-		-		-		-	-
g.	Real Estate - FV		-	-		-		-		-		-		-	-
h.	Derivatives - FV		-	-		-		-		-		-		-	-
i.	Other Invested Assets - FV		-	-		-		-		-		-		-	-
	Total Collateral Assets - FV (Sum of a														
j.	through i)	\$	9,502,602	\$ 4,842,429,259	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -

(9) Allocation of Aggregate Collateral by Remaining Contractual Maturity

	FAIR VALUE	
Overnight and		
a. Continuous	\$ -	
b. 30 Days or Less	\$ 2,338,625,801	
c. 31 to 90 Days	\$ 2,442,772,623	
$d \geq 90$ Days	\$ -	

(10) The company did not have any repurchase agreements where cash collateral received was reinvested as of September 30, 2018.

(11) Liability to Return Collateral - Secured Borrowing (Total)

			FIRST QUARTER									SECOND	QUA	ARTER	
			1		2		3		4		5	6		7	8
							AVERAGE							AVERAGE	
							DAILY		ENDING					DAILY	ENDING
			MINIMUM		MAXIMUM		BALANCE		BALANCE		MINIMUM	MAXIMUM		BALANCE	BALANCE
a.	Cash (Collateral – All) Securities Collateral	\$	624,582	\$	10,857,033	\$	6,430,230	\$	10,295,552	\$	388,552	\$ 2,390,171	\$	1,255,946	\$ 503,580
b.	(FV)	\$	3,778,390,472	\$	4,206,605,166	\$	4,126,411,115	\$	4,108,428,154	\$	4,096,770,136	\$ 4,125,503,202	\$	4,109,336,506	\$ 4,103,040,109
					THIRD Q	UAF	RTER					FOURTH	QUA	ARTER	
			9		10		11		12		13	14		15	16
							AVERAGE							AVERAGE	
							DAILY		ENDING					DAILY	ENDING
			MINIMUM		MAXIMUM		BALANCE		BALANCE		MINIMUM	MAXIMUM		BALANCE	BALANCE
		^	503,580	\$	9,502,602	\$	5,067,207	\$	9,502,602	\$	-	\$ -	\$	-	\$ -
a.	Cash (Collateral – All) Securities Collateral	\$	4,107,196,773	·	0,002,002	Ť	4,628,107,460		4,842,429,259	Ċ			Ċ		

- g. Reverse repurchase agreements transactions accounted for as secured borrowing: The Company did not have any reverse repurchase agreements transactions accounted for as secured borrowing.
- h. Repurchase agreements transactions accounted for as a sale: The Company did not have any repurchase agreements transactions accounted for as a sale.
- i. Reverse repurchase agreements transactions accounted for as a sale: The Company did not have any reverse repurchase agreements transactions accounted for as a sale.
- j. Real estate No change
- k. Low-Income Housing Tax Credit No change
- I. Restricted Assets No change
- m. Working capital finance investments: The Company did not invest in working capital finance investments.
- n. Offsetting and netting of assets and liabilities: The Company reports derivative and repurchase agreement assets and liabilities as gross in the financial statements without offsetting.
- o. Structured notes:

A structured note is a direct debt issuance by a corporation, municipality, or government entity, ranking pari-passu with the issuer's other debt issuance of equal seniority where either: (a) the coupon and/or principal payments are linked, in whole or in part, to prices or payment streams from index or indices, or assets deriving their value from other than the issuer's credit quality, or (b) the coupon and/or principal payments are leveraged by a formula that is different from either a fixed coupon, or a non-leveraged floating rate coupon linked to an interest rate index, including but not limited to the London Interbank Offered Rate (LIBOR) or the prime rate. As structured notes are issuer obligations without a trust, they are within the scope of SSAP No. 26, "Bonds, Excluding Loan-backed and Structured Securities". Structured notes are different than the asset backed structured securities, which are accounted for under SSAP No. 43R, "Revised - Loan-Backed and Structured Securities", as they lack either a trust or assets backing them. The disclosure below allows regulators to assess the volume of activity in structured notes and to determine whether additional accounting or reporting revisions, such as valuation and risk-based capital, are needed. To satisfy this request, the Company is required to separately identify structured notes, on a CUSIP basis and provide information by CUSIP for actual cost, fair value, book/adjusted carrying value, and whether the structured note is a mortgage-referenced security. The following sets forth the actual cost, fair value and carrying value of structured notes as of September 30, 2018:

CUSIP Identification	Actual Cost	Fair Value	Book / Adjusted Carrying Value	Mortgage- Referenced Security (YES/NO)
391164AF7	\$ 8,467,560	\$ 7,917,044	\$ 8,259,365	NO
P7794GAH5	1,262,834	1,273,212	1,270,196	NO
912810FR4	4,944,283	6,146,331	4,855,505	NO
912810PS1	1,874,118	2,644,701	1,887,674	NO
912810RF7	67,974,258	81,078,071	68,228,928	NO
059514AC3	9,327,385	9,889,500	9,358,320	NO
478375AL2	817,025	739,743	815,895	NO
478375AN8	896,331	828,094	896,164	NO
Total	\$ 95,563,794	\$ 110,516,696	\$ 95,572,047	XXX

p. 5* Securities:

Investment	Number of 5*	Securities	Aggregate	BACV	Aggregate Fair Value				
	Current Year Prior Year		Current Year	Prior Year	Current Year	Prior Year			
(1) Bonds - AC	65	26	\$499,395,771	\$231,812,447	\$486,878,082	\$231,193,912			
(2) LB&SS - AC	-	-	-	-	-	-			
(3) Preferred Stock - AC	3	3	14,600,149	14,600,149	18,696,750	17,316,290			
(4) Preferred Stock - FV	-	-	-	-	-	-			
(5) Total (1+2+3+4)	68	29	\$513,995,920	\$246.412.596	\$505.574.832	\$248.510.202			

AC - Amortized Cost FV - Fair Value

q. Short Sales - The Company does not engage in short sale transactions.

r. Prepayment Penalty and Acceleration Fees:

	 Nine Months Ende	d Se	eptember 30, 2018
	 General Account	_	Separate Account
1. Number of CUSIPS	104		24
2. Aggregate Amount of Investment Income	\$ 31,286,285	\$	2,908,921

Note 6 - Joint Ventures, Partnerships and Limited Liability Companies - No change

Note 7 - Investment Income - No change

Note 8 - Derivative Instruments - No change

Note 9 – Income Taxes

On December 22, 2017, the president signed into law H.R. 1/Public Law 115-97, commonly known as the Tax Cuts and Jobs Act. As of December 31, 2017, the Company recorded provisional tax amounts with respect to mandatory deemed repatriation of previously untaxed foreign earnings and the impact of a change in the method for computing deductions for life insurance reserves. As of September 30, 2018, the Company recorded an additional tax benefit of \$1 million in the statement of operations related to mandatory deemed repatriation. Additionally, the Company revised its life insurance reserve transition adjustment. The Company initially recorded an increase of \$487 million in its deferred tax asset as of 12/31/17 which was reduced by \$46 million for the period. These amounts were fully offset by corresponding changes to the deferred tax liability related to the future taxable income to be spread over 8 years.

Note 10 – Information Concerning Parent, Subsidiaries and Affiliates

a-c. In August 2017, MassMutual International LLC (MMI) entered into an agreement to sell MassMutual Asia Limited (MM Asia) to Yunfeng Financial Group (Yunfeng FG). The sale is expected to close in 2018, subject to regulatory approval and customary closing conditions. Under the terms of the agreement, MMI will receive cash of approximately \$1,000,000,000 and Yunfeng FG shares valued at approximately \$384,000,000 as of September 30, 2018. On the transaction date, the agreement also requires MM Asia to have a Solvency Margin Ratio at a certain level. MMI has made a capital contribution to MM Asia in order to meet this capital level.

In March, 2018, MassMutual and MMI entered into an agreement to sell 85.1% of MassMutual Life Insurance Company in Japan (MM Japan), a wholly-owned life insurance and wealth management subsidiary of MMI, to Nippon Life. MMI estimated the fair value of the retained portion of MM Japan based upon the agreed selling price of the sold portion of MM Japan with the buyer. The sale of MM Japan closed in May 2018. MMI received \$960,126,929 in cash proceeds from the sale.

The amount of the proceeds from the sale of MM Japan and anticipated proceeds from the sale of MM Asia is expected to be less than MMI's book value. As such, MMI's book value was reduced to an estimated fair value of \$2,700,000,000 and an impairment of \$1,257,307,000 was recorded in net realized capital gains (losses). The impairment reduced MassMutual's asset valuation reserve by approximately \$900,000,000, resulting in approximately \$300,000,000 net decrease to surplus, net of a tax benefit of \$103,000,000. Any additional gain or loss on disposal will be realized when the MM Asia sales is finalized.

MassMutual contributed additional capital of \$204,267,226 to MMI during the nine months ended September 30, 2018 and contributed additional capital of \$20,000,000 during the nine months ended September 30, 2017.

During the nine months ended September 30, 2018 MassMutual received \$858,000,000 as a return of capital from MMI.

MassMutual contributed additional capital of \$371,488,639 to MMHLLC during the nine months ended September 30, 2018 and \$135,000,000 during the nine months ended September 30, 2017.

d-f. No change

g. Subsidiaries of MMHLLC and MMI are involved in litigation and investigations arising in the ordinary course of their business, which seek compensatory damages, punitive damages and equitable remedies. Although the Company is not aware of any actions or allegations that reasonably could give rise to a material adverse impact to the Company's financial position or liquidity, the outcome of litigation cannot be foreseen with certainty. It is the opinion of management that the ultimate resolution of these matters will not materially impact the Company's financial position or liquidity. However, the outcome of a particular proceeding may be material to the Company's surplus for a particular period depending upon, among other factors, the size of the loss and the level of the Company's changes in surplus for the period.

The Company has no parent.

h-n. No change

Note 11 - Debt

- a. No change
- b. Federal Home Loan Bank agreements:
- (1) The Company is a member of the Federal Home Loan Bank of Boston (FHLB Boston). Through its membership, the Company has conducted business activity (borrowings) with the FHLB Boston. The Company uses these funding agreements with the FHLB Boston in an investment spread strategy, consistent with its other investment spread operations. The Company has determined the actual maximum borrowing capacity as \$2,000,000,000. The Company's unused capacity was \$945,270,671 as of September 30, 2018.

(2) FHLB Boston capital stock

a. Aggregate totals:

- 33		Septer	nber 30, 2018	
		1	2	3
		Total	General	Separate
		2+3	Account	Account
1.	Current Year:			
	(a) Membership stock - Class A	\$ - \$; -	\$
	(b) Membership stock - Class B	25,000,000	25,000,000	
	(c) Activity Stock	48,700,000	48,700,000	
	(d) Excess Stock	 -	-	
	(e) Aggregate Total	\$ 73,700,000 \$	73,700,000	\$
	(f) Actual or Estimated Borrowing Capacity			
	as Determined by the Insurer	\$ 2,000,000,000 \$	2,000,000,000	\$
2.	Prior Year-end:			
	(a) Membership stock - Class A	\$ - \$; -	\$
	(b) Membership stock - Class B	25,000,000	25,000,000	
	(c) Activity Stock	48,700,000	48,700,000	
	(d) Excess Stock	 -	-	
	(e) Aggregate Total	\$ 73,700,000 \$	73,700,000	\$
	(f) Actual or Estimated Borrowing Capacity			
	as determined by the Insurer	\$ 2,000,000,000 \$	2,000,000,000	\$

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

Nine Months Ended September 30, 2018

		1	2		Eligible for R	edemption	
				3	4	5	6
Current		Current	Not Eligible	Less	6 Months	1 to Less	
Me	embership	Year	For	Than 6	to Less	Than	3 to 5
	Stock	Total	Redemption	Months	Than 1 Year	3 Years	Years
1.	Class A	\$-	\$-	\$-	\$-	\$-	\$-
2.	Class B	25,000,000	25,000,000	-	-	-	-

- (3) Collateral pledged to FHLB:
 - a. Amount pledged as of September 30, 2018:
 - 1. Current year total general and separate accounts:

				-			
			Fair		Carrying	A	Aggregate Total
			Value		Value		Borrowing
	Total collateral pledged	\$	1,538,397,041	\$	1,166,702,489	\$	1,054,729,329
2.	Current year general account:						
			Fair		Carrying	ŀ	Aggregate Total
			Value		Value		Borrowing
	Total collateral pledged	\$	1,538,397,041	\$	1,166,702,489	\$	1,054,729,329
3.	Current year separate accounts:						
			Fair		Carrying	ļ	Aggregate Total
			Value		Value		Borrowing
	Total collateral pledged	\$	-	\$	-	\$	-
4.	Prior year-end total general and separa	ate a	accounts:				
			Fair		Carrying	ŀ	Aggregate Total
			Value		Value		Borrowing

	Value	Value	Borrowing
Total collateral pledged	\$ 1,550,269,200	\$ 1,166,181,238	\$ 1,053,569,379

Fair

Value

\$

1,582,909,750

b. Maximum amount pledged for the nine months ended September 30, 2018:

1. Current year total general and separate accounts:

Γ					Ar	mount Borrowed
		Fair		Carrying	at T	Time of Maximum
		Value		Value		Collateral
	\$	1,582,909,750	\$	1,184,930,400	\$	1,057,336,538

Carrying

Value

1,184,930,400

2. Current year general account:

Maximum collateral pledged

Maximum collateral pledged

3. Current year separate accounts:

Maximum collateral pledged

				Amoun	t Borrowed
Fair		Carrying		at Time	of Maximum
Value		Value		Co	llateral
\$	- \$		-	\$	-

Amount Borrowed

at Time of Maximum

Collateral

1,057,336,538

\$

4. Prior year-end total general and separate accounts:

			A	mount Borrowed
	Fair	Carrying	at	Time of Maximum
	Value	Value		Collateral
Maximum collateral pledged	\$ 1,680,502,867	\$ 1,260,781,053	\$	1,107,520,273

\$

(4) Borrowing from FHLB:

- a. Amount:
 - 1. Current year:

			Septembe	r 3	0, 2018		
	1		2		3		4
	Total		General		Separate	Fun	ding Agreements
	2+3		Account		Account	Rese	erves Established
(a) Debt	\$	-	\$ -	\$	-	\$	-
(b) Funding agreements	1,054,729,32	9	1,054,729,329		-		1,054,729,329
(c) Other		-	-		-		-
(d) Aggregate total	\$ 1,054,729,32	9	\$ 1,054,729,329	\$	-	\$	1,054,729,329

2. Prior Year-end:

		December	r 31,	2017		
	1	2		3		4
	Total	General	Se	eparate	Fun	ding Agreements
	2+3	Account	Α	ccount	Rese	erves Established
(a) Debt	\$ -	\$ -	\$	-	\$	-
(b) Funding agreements	1,053,569,379	1,053,569,379		-		1,053,569,379
(c) Other	-	-		-		-
(d) Aggregate total	\$ 1,053,569,379	\$ 1,053,569,379	\$	-	\$	1,053,569,379

b. Maximum Amount:

		 Nine Months	End	led September 30	, 2018	
		1		2	3	3
		Total		General	Sepa	arate
		2+3		Account	Acc	ount
1.	Debt	\$ -	\$	-	\$	-
2.	Funding	1,057,336,538		1,057,336,538		-
3.	Other	 -		-		-
4.	Aggregate	\$ 1,057,336,538	\$	1,057,336,538	\$	-
		 	-			-

c. FHLB - Prepayment Obligations:

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

Note 12 - Retirement Plans, Deferred Compensation, Postemployment Benefits and Compensated Absences and Other Postretirement **Benefit Plans** a.

Defined Benefit Plan:

(1) The Company sponsors multiple employee benefit plans, providing retirement, life, health and other benefits to employees, certain employees of unconsolidated subsidiaries, agents, general agents and retirees who meet plan eligibility requirements.

(2-3) No change

						Nir	e Months Ende	ed S	eptember 30,		
			 2018		2017		2018		2017	2018	2017
			Pensi	ior	ו		Postret	irem	ent	Special or Contractua	l Benefits
			 Bene	fits	6		Ben	efits		per SSAP No	11
(4)	Cor	nponents of net periodic benefit cost									
	a.	Service cost	\$ 84,575,924	\$	75,295,640	\$	10,292,471	\$	9,032,930	\$ - \$	-
	b.	Interest cost	80,710,129		83,830,421		8,795,806		9,387,629	-	-
	c.	Expected return on plan assets	(128,631,300)		(110,042,857)		(58,886)		(64,952)	-	-
	d.	Transition asset or obligation	-		-		-		-	-	-
	e.	Gains and losses	41,097,802		49,349,603		1,637,621		1,154,320	-	-
	f.	Prior service cost or (credit)	2,342,013		2,342,013		(4,139,625)		(4,139,625)	-	-
	g.	Gain or loss recognized due to a									
		settlement or curtailment	 -		-		-		-	-	-
	h.	Total net periodic benefit cost	\$ 80,094,569	\$	100,774,821	\$	16,527,386	\$	15,370,301	\$ - \$	-

(5-21) No change

b-i No change

Note 13 – Capital and Surplus, Shareholders' Dividend Restrictions and Quasi-Reorganizations (1-3) No change

(4) The Company recorded dividends, recorded in net investment income, from MMHLLC of \$250,000,000 through the nine months ended September 30, 2018 and \$424,470,200 through the nine months ended September 30, 2017.

(5-13) No change

Note 14 – Liabilities, Contingencies and Assessments

- a. Contingent commitments No change
- b. Assessments No change
- c. Gain contingencies No change
- d. Claims related to extra contractual obligations No change
- e. Joint and several liabilities No change
- f. All other contingencies:

In the normal course of business, the Company is involved in disputes, litigation and governmental or regulatory inquiries, administrative proceedings, examinations and investigations, both pending and threatened. These matters, if resolved adversely against the Company or settled, may result in monetary damages, fines and penalties or require changes in the Company's business practices. The resolution or settlement of these matters is inherently difficult to predict. Based upon the Company's assessment of these pending matters, the Company does not believe that the amount of any judgment, settlement or other action arising from any pending matter is likely to have a material adverse effect on the statement of financial position. However, an adverse outcome in certain matters could have a material adverse effect on the results of operations for the period in which such matter is resolved, or an accrual is determined to be required, on the financial position, or on our reputation.

The Company evaluates the need for accruals of loss contingencies for each matter. When a liability for a matter is probable and can be estimated, the Company accrues an estimate of the loss and any related insurance recoveries, if any. An accrual is subject to subsequent adjustment as a result of additional information and other developments. The resolution of matters are inherently difficult to predict, especially in the early stages of matter. Even if a loss is probable, due to many complex factors, such as speed of discovery and the timing of court decisions or rulings, a loss or range of loss may not be reasonably estimated until the later stages of the matter. For matters where a loss is material and it is either probable or reasonably possible then it is disclosed. For matters where a loss may be reasonably possible, but not probable, or is probable but not reasonably estimated, no accrual is established, but the matter, if material, is disclosed. The Company estimates that as of September 30, 2018, the aggregate range of reasonably possible losses is not material.

Note 15 – Leases - No change

Note 16 – Information About Financial Instruments With Off-Balance Sheet Risk and Financial Instruments With Concentrations of Credit Risk - No change

Note 17 – Sale, Transfer and Servicing of Financial Assets and Extinguishments of Liabilities

- a. Transfers of receivables reported as sales No change
- b. Transfer and servicing of financial assets:
 - (1) No change
 - (2) The Company did not have any servicing assets or liabilities in 2018 or 2017.
 - (3) No change
 - (4) The Company did not have interests that continue to be held by a transferor in securitized financial assets in 2018 or 2017.
 - (5-7) No change
- c. Wash sales:
 - (1) In the course of the Company's investment management activities, securities may be sold and reacquired within 30 days to enhance the Company's yield on its investment portfolio.
 - (2) The Company did not sell any securities with the NAIC Designation 3 or below, or unrated, through the nine months ended September 30, 2018 that were reacquired within 30 days of the sale date.

Note 18 - Gain or Loss to the Reporting Entity from Uninsured Plans and the Uninsured Portion of Partially Insured Plans - No change

Note 19 - Direct Premium Written/Produced By Managing General Agents/Third Party Administrators - No change

Note 20 – Fair Value Measurements

Fair value is defined as the price that would be received from selling an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The authoritative guidance around fair value establishes a measurement framework that includes a hierarchy used to classify the inputs used in measuring fair value. The hierarchy prioritizes the inputs to valuation techniques into three levels. Each level reflects a unique description of the inputs that are significant to the fair value measurements. The levels of the fair value hierarchy are as follows:

Level 1 - Observable inputs in the form of quoted prices for identical instruments in active markets.

Level 2 – Observable inputs other than Level 1 prices, such as quoted prices for similar assets or liabilities, quoted prices in markets that are not active or other inputs that are observable or can be derived from observable market data for substantially the full term of the assets or liabilities.

Level 3 – One or more unobservable inputs that are supported by little or no market activity and are significant to the fair value of the assets or liabilities. Level 3 assets and liabilities include financial instruments whose value is determined using internal models, as well as instruments for which the determination of fair value requires significant management judgment or estimation.

When available, the Company generally uses unadjusted quoted market prices from independent sources to determine the fair value of investments, and classifies such items within Level 1 of the fair value hierarchy. If quoted prices are not available, prices are derived from observable market data for similar assets in an active market or obtained directly from brokers for identical assets traded in inactive

markets. Investments that are priced using these inputs are classified within Level 2 of the fair value hierarchy. When some of the necessary observable inputs are unavailable, fair value is based upon internally developed models. These models use inputs not directly observable or correlated with observable market data. Typical inputs, which are integrated in the Company's internal discounted cash flow models and discounted earnings models include, but are not limited to, issuer spreads derived from internal credit ratings and benchmark yields such as the LIBOR, cash flow estimates and earnings before interest, taxes, depreciation and amortization estimates. Investments that are priced with such unobservable inputs are classified within Level 3 of the fair value hierarchy.

The Company has established and maintains policies and guidelines that govern its valuation methodologies and their consistent application. These policies and guidelines address the use of inputs, price source hierarchies and provide controls around the valuation processes. These controls include appropriate review and analysis of prices against market activity or indicators for reasonableness, approval of price source changes, price overrides, methodology changes and classification of fair value hierarchy levels. The valuation policies and guidelines are reviewed and updated as appropriate.

Annually, the Company reviews the primary pricing vendor to validate that the inputs used in that vendor's pricing process are deemed to be market observable as defined above. While the Company was not provided access to proprietary models of the vendor, the reviews have included on-site walk-throughs of the pricing process, methodologies and control procedures for each asset class and level for which prices are provided. The review also included an examination of the underlying inputs and assumptions for a sample of individual securities across asset classes. In addition, the Company and its pricing vendors have an established challenge process in place for all security valuations, which facilitates identification and resolution of prices that fall outside expected ranges. The Company believes that the prices received from the pricing vendors are representative of prices that would be received to sell the assets at the applicable measurement date (exit prices) and are classified appropriately in the hierarchy.

The fair value of group annuity contracts and other deposits is determined by multiplying the book value of the contract by an average market value adjustment factor. The market value adjustment factor is directly related to the difference between the book value of client liabilities and the present value of installment payments discounted at current market value yields. The market value yield is measured by the Bloomberg Barclays Global-Aggregate Total Return Index, subject to certain adjustments, and the installment period is equivalent to the duration of the Company's invested asset portfolio.

The fair value of individual annuity and supplementary contracts is determined using one of several methods based on the specific contract type. For short-term contracts, generally less than 30 days, the fair value is assumed to be the book value. For contracts with longer durations, guaranteed interest contracts and investment-type contracts, the fair value is determined by calculating the present value of future cash flows discounted at current market interest rates, the risk-free rate or a current pricing yield curve based on pricing assumptions using assets of a comparable corporate bond quality. Annuities receiving dividends are accumulated at the average minimum guaranteed rate and discounted at the risk-free rate. All others are valued using cash flow projections from the Company's asset-liability management analysis.

(1) The following presents the Company's fair value hierarchy for assets and liabilities that are carried at fair value:

		:	tember 30, 2018	er 30, 2018					
					Ne	et Asset Value			
	 Level 1	Level 2		Level 3		(NAV)		Total	
Financial assets:									
Bonds:									
Industrial and miscellaneous Parent, subsidiaries and affiliates	\$ 9,998,040 -	\$ 37,266,012 65,751,193	\$	120,771,599 58,216,885	\$	-	\$	168,035,651 123,968,078	
Preferred stocks	-	-		745,683		-		745,683	
Common stock - subsidiaries and affiliates	278,793,749	-		123,146,953		-		401,940,702	
Common stock - unaffiliated	728,103,851	-		302,767,192		-		1,030,871,043	
Derivatives:									
Interest rate swaps	-	7,174,325,904		-		-		7,174,325,904	
Options	-	793,622,641		-		-		793,622,641	
Currency swaps	-	486,828,788		-		-		486,828,788	
Forward contracts	-	68,434,007		-		-		68,434,007	
Credit default swaps	-	54,707		-		-		54,707	
Interest rate caps and floors	-	10,050,896		-		-		10,050,896	
Financial futures	-	6,160,169		-		-		6,160,169	
Separate account assets	46,989,579,584	23,236,523,279		613,034,826		-		70,839,137,689	
Total financial assets carried									
at fair value	\$ 48,006,475,223	\$ 31,879,017,596	\$	1,218,683,138	\$	-	\$	81,104,175,957	
Financial liabilities:									
Interest rate swaps	\$ -	\$ 4,787,213,349	\$	-	\$	-	\$	4,787,213,349	
Options	-	2,264,516		-		-		2,264,516	
Currency swaps	-	450,308,126		-		-		450,308,126	
Forward contracts	-	37,042,261		-		-		37,042,261	
Credit default swaps	-	196,134		-		-		196,134	
Financial futures	 -	134,287,500		-		-		134,287,500	
Total financial liabilities carried									
at fair value	\$ -	\$ 5,411,311,887	\$	-	\$	-	\$	5,411,311,887	

The Company reviews the fair value hierarchy classifications each reporting period. Changes in the observability of the valuation attributes and the level of market activity may result in a reclassification of certain financial assets or liabilities between fair value hierarchy classifications. Such reclassifications are reported as transfers between levels at the beginning fair value for the reporting period in which the changes occur. For the period ended September 30, 2018, there were no significant transfers between Level 1 and Level 2 and the Company does not have any financial instruments that were carried at NAV as a practical expedient.

			ember 31, 2017	per 31, 2017						
					N	et Asset Value				
	Level 1	Level 2		Level 3		(NAV)		Total		
Financial assets:										
Bonds:										
Special revenue	\$-	\$ 5,949,787	\$	-	\$	-	\$	5,949,787		
Industrial and miscellaneous	-	10,743,493		55,266,237		-		66,009,730		
Parent, subsidiaries and affiliates	-	17,535,946		60,662,659		-		78,198,605		
Preferred stocks	2,635,664	-		1,510,480		-		4,146,144		
Common stock - subsidiaries and affiliates	344,139,041	-		109,665,674		-		453,804,715		
Common stock - unaffiliated	901,122,199	-		310,576,050		-		1,211,698,249		
Derivatives:										
Interest rate swaps	-	7,684,332,071		-		-		7,684,332,071		
Options	-	744,440,948		-		-		744,440,948		
Currency swaps	-	385,416,622		1,255,252		-		386,671,874		
Forward contracts	-	13,178,525		-		-		13,178,525		
Credit default swaps	-	481,454		-		-		481,454		
Separate account assets	46,005,788,808	22,446,976,398		709,516,352		-		69,162,281,558		
Total financial assets carried										
at fair value	\$ 47,253,685,712	\$ 31,309,055,244	\$	1,248,452,704	\$	-	\$	79,811,193,660		
Financial liabilities:										
Derivatives:										
Interest rate swaps	\$-	\$ 5,314,810,301	\$	193,806	\$	-	\$	5,315,004,107		
Options	-	6,319,708		-		-		6,319,708		
Currency swaps	-	560,167,926		8,432,028		-		568,599,954		
Forward contracts	-	88,671,592		-		-		88,671,592		
Credit default swaps	-	251,192		-		-		251,192		
Total financial liabilities carried										
at fair value	\$-	\$ 5,970,220,719	\$	8,625,834	\$	-	\$	5,978,846,553		

For the year ended December 31, 2017, \$298,342,115 of unaffiliated common stock were transferred from Level 2 to Level 1.

(2) The following presents changes in the Company's Level 3 financial instruments that are carried at fair value:

_	Balance as of 01/01/2018	Transfer In		Gains (Losses) in Net Income	Gains (Losses) in Surplus	Purchases	Issuances	Sales	Settlements	Balance as of 9/30/2018
Financial assets: Bonds:										
Industrial and miscellaneous \$	EE 266 227	\$ 94,821,887 \$	¢	(27,154,853) \$	(5,328,602) \$	- \$	4,166,930 \$	- \$	(1,000,000) \$	120,771,599
Parent, subsidiaries	55,200,237	φ 94,021,007 φ	- ⊅	(27,134,655) \$	(3,320,002) \$	- p	4,100,930 \$	- 3	(1,000,000) \$	120,771,599
and affiliates	60.662.659			-	(2,445,774)	-			-	58.216.885
Preferred stock	1,510,480	-	(1,510,480)	-	(280,962)	-	1,026,645	-	-	745,683
Common stock - subsidiaries	1,510,460	-	(1,510,460)	-	(200,902)	-	1,020,045	-	-	745,065
and affiliates	109,665,674	9.397.855	(2,868,387)	430.948	2,769,723		3,751,140		-	123,146,953
Common stock - unaffiliated	310,576,050	3,337,033	(2,000,007)	2,523,216	715,387	16,316,913	5,751,140	(133,779)	(27,230,603)	302,767,192
Derivatives:	010,070,000	0		2,020,210	110,001	10,010,010		(100,110)	(27,200,000)	002,101,102
Currency swaps	1,255,252	(1,255,252)	_	_		_	_	_	_	_
Separate account assets	709.516.352	(1,200,202)	_	38.533.863	-	92.030.619	-	(226.884.701)	(161.307)	613,034,826
	100,010,002			00,000,000		02,000,010		(LE0,001,101)	(101,001)	010,001,020
Total financial assets	1,248,452,704	\$102,964,498 \$	(4,378,867) \$	14,333,174 \$	(4,570,228) \$	108,347,532 \$	8,944,715 \$	(227,018,480) \$	(28,391,910) \$	1,218,683,138
Financial liabilities:										
Derivatives:										
Interest rate swaps \$	193,806	\$ (193,806) \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Currency swaps	8,432,028	(8,432,028)	-	-	-	-	-		-	-
Total financial liabilities \$	8,625,834	\$ (8,625,834) \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-

⁽¹⁾Level 3 transfers include assets that are consistently carried at fair value but have had a level change, are no longer carried at fair value, or have just begun to be carried at fair value, such as assets with no level changes but a change in the lower of cost or market carrying basis. Industrial and miscellaneous bonds in other transfers are assets that are no longer carried at fair value.

		Balance as of	Trans	fers	;(1)		Gains (Losses) in	Gains (Losses) in								Balance as of
		01/01/2017	In		Out	1	Vet Income	Surplus		Purchases		Issuances	Sales	5	Settlements	12/31/2017
Financial assets:	_															
Bonds:																
Industrial and miscellaneous Parent, subsidiaries,	\$	56,833,539	\$ 12,571,531	\$	(8,096,010)	\$	684,574	\$ (2,546,245)	\$	14,384	\$	67,649	\$ -	\$	(4,263,185)	\$ 55,266,237
and affiliates		51,963,109	-		-		-	8,699,550		-		-	-		-	60,662,659
Preferred Stock		2,734,341	-		(1,798,373)		-	(57,988)		632,500		-	-		-	1,510,480
Common stock - subsidiaries and affiliates		63,196,191			(956,129)		9.563	13,230,098		_		45,517,058	(318,912)		(11,012,195)	109,665,674
Common stock - unaffiliated		188,576,330	76.437.829		(5,838,443)		(5,959,511)	29,469,544		38,162,139		288.144	(7,700,000)		(2,859,982)	310,576,050
Derivatives:		100,010,000	10,101,020		(0,000,110)		(0,000,011)	20,100,011		00,102,100		200,111	(1,100,000)		(2,000,002)	010,010,000
Currency swaps		-	6,109,957		-		(4,854,705)	-		-		-	-		-	1,255,252
Separate account assets		737,948,300			(5,069,821)		55,437,401			72,084,571		-	(149,919,175)		(964,924)	709,516,352
Total financial assets	\$	1,101,251,810	\$ 95,119,317	\$	(21,758,776)	\$	45,317,322	\$ 48,794,959	\$	110,893,594	\$	45,872,851	\$ (157,938,087)	\$	(19,100,286)	\$ 1,248,452,704
Financial liabilities: Derivatives:																
Interest rate swaps	\$	-	\$ -	\$	-	\$	-	\$ 193,806	\$	-	\$	-	\$ -	\$	-	\$ 193,806
Currency swaps		-	3,884,788		-		-	4,547,240	_	-	_	-	-		-	8,432,028
Total financial liabilities	\$	_	\$ 3,884,788	¢	_	\$		\$ 4,741,046	¢	-	s		\$	¢		\$ 8,625,834

⁽¹⁾Level 3 transfers include assets that are consistently carried at fair value but have had a level change, are no longer carried at fair value, or have just begun to be carried at fair value, such as assets with no level changes but a change in the lower of cost or market carrying basis. The common stock unaffiliated assets were transferred from Level 2 to Level 3 due to a change in the observability of pricing inputs.

- (3) The Company reviews the fair value hierarchy classifications at each reporting period. Overall, reclassifications between levels occur when there are changes in the observability of inputs and market activity used in the valuation of a financial asset or liability. Such reclassifications are reported as transfers between levels at the beginning fair value for the reporting period in which the changes occur. Given the types of assets classified as Level 1 (primarily equity securities and mutual fund investments), transfers between Level 1 and Level 2 measurement categories are expected to be infrequent. Transfers into and out of Level 3 are summarized in the schedule of changes in Level 3 assets and liabilities.
- (4) Valuation Techniques and Inputs

The Company determines the fair value of its investments using primarily the market approach or the income approach. The use of quoted prices for identical assets and matrix pricing or other similar techniques are examples of market approaches, while the use of discounted cash flow methodologies is an example of the income approach. The Company attempts to maximize the use of observable inputs and minimize the use of unobservable inputs in selecting whether the market or the income approach is used.

A description of the significant valuation techniques and inputs to the determination of estimated fair value for the more significant asset and liability classes measured at fair value on a recurring basis and categorized within Level 2 and Level 3 of the fair value hierarchy is as follows:

Separate account assets - These assets primarily include bonds (industrial and miscellaneous; U.S. government and agencies) and derivatives. Their fair values are determined as follows:

Bonds (Industrial and miscellaneous) - These securities are principally valued using the market or the income approaches. Level 2 valuations are based primarily on quoted prices in markets that are not active, broker quotes, matrix pricing or other similar techniques that use standard market observable inputs such as benchmark yields, spreads versus benchmark yields, new issuances, issuer ratings, duration, and trades of identical or comparable securities. Privately placed securities are valued using discounted cash flow models using standard market observable inputs, and inputs derived from, or corroborated by, market observable data including market yield curve, duration, call provisions, observable prices and spreads for similar publicly traded or privately traded issuances that incorporate the credit quality and industry sector of the issuer. This level also includes securities priced by independent pricing services that use observable inputs. Valuations based on matrix pricing or other similar techniques that utilize significant unobservable inputs or inputs that cannot be derived principally from, or corroborated by, observable market data, including adjustments for illiquidity, delta spread adjustments or spreads to reflect industry trends or specific credit–related issues are classified as Level 3. In addition, inputs including quoted prices for identical or similar securities that are less liquid and based on lower levels of trading activity than securities classified in Level 2 are classified as Level 3.

Bonds (U.S. government and agencies) - These securities are principally valued using the market approach. Level 2 valuations are based primarily on quoted prices in markets that are not active, or using matrix pricing or other similar techniques using standard market observable inputs such as the benchmark U.S. Treasury yield curve, the spreads versus the U.S. Treasury yield curve for the identical security and comparable securities that are actively traded.

Derivative assets and liabilities - These financial instruments are primarily valued using the market approach. The estimated fair value of derivatives is based primarily on quotations obtained from counterparties and independent sources, such as quoted market values received from brokers. These quotations are compared to internally derived prices and a price challenge is lodged with the counterparties and an independent source when a significant difference cannot be explained by appropriate adjustments to the internal model. When quoted market values are not reliable or available, the value is based upon an internal valuation process using market observable inputs that other market participants would use. Significant inputs to the valuation of derivative financial instruments include overnight index swaps and LIBOR basis curves, interest rate volatility, swap yield curve, currency spot rates, cross currency basis curves and dividend yields. Due to the observability of the significant inputs to these fair value measurements, they are classified as Level 2.

The use of different assumptions or valuation methodologies may have a material impact on the estimated fair value amounts. For the periods presented, there were no significant changes to the Company's valuation techniques.

- (5) Derivative assets and liabilities fair value disclosures on a gross basis are included in paragraph 1 above. Since there are no derivative assets or liabilities classified in Level 3, the reconciliation disclosures required under paragraphs 2 through 4 are not applicable.
- b. The Company provides additional fair value information in Note 21. "Other Items".

c. The following presents a summary of the carrying values and fair values of the Company's financial instruments:

_			September	r 30, 2018			
						Net	Not
						Asset	Practicable
	Aggregate	Admitted				Value	(Carrying
	Fair Value	Assets	Level 1	Level 2	Level 3	(NAV)	Value)
Financial assets:							
Bonds:							
U. S. government and agencies \$	6,143,237,667 \$	5,894,445,972 \$	- \$	6,142,705,908		\$-	\$-
All other governments	1,396,376,145	1,386,441,163	-	1,329,665,646	66,710,499	-	-
States, territories and possessions	636,499,421	603,727,185	-	636,499,421	-	-	-
Political subdivisions	561,475,673	545,193,778	-	561,475,673	-	-	-
Special revenue	6,421,042,995	6,014,431,537	-	6,411,569,673	9,473,322	-	-
Industrial and miscellaneous	75,521,878,096	75,398,178,927	9,998,040	43,356,401,770	32,155,478,286	-	-
Parent, subsidiaries and affiliates	6,540,271,355	6,540,406,118	-	1,031,530,030	5,508,741,325	-	-
Preferred stocks	741,231,345	751,933,879	11,923,010	-	729,308,335	-	-
Common stocks - subsidiaries							
and affiliates ⁽¹⁾	401,940,702	401,940,702	278,793,749	-	123,146,953	-	-
Common stocks - unaffiliated	1,030,871,043	1,030,871,043	728,103,851	-	302,767,192	-	-
Mortgage loans - commercial	21,915,163,444	21,903,911,524	-	-	21,915,163,444	-	-
Mortgage loans - residential	1,348,813,906	1,424,155,278	-	-	1,348,813,906	-	-
Cash, cash equivalents and							
short-term investments	1,690,366,339	1,690,366,339	200,575,053	1,489,791,286	-	-	-
Derivatives:							
Interest rate swaps	7,408,468,783	7,174,325,904	-	7,408,468,783	-	-	-
Options	793,622,641	793,622,641	-	793,622,641	-	-	-
Currency swaps	486,828,788	486,828,788	-	486,828,788	-	-	-
Forward contracts	68,434,007	68,434,007	-	68,434,007	-	-	-
Credit default swaps	13,677,591	18,300,621	-	13,677,591	-	-	-
Financial futures	6,160,169	6,160,169	-	6,160,169	-	-	-
Separate account assets	70,839,137,687	70,839,137,687	46,989,579,583	23,236,523,278	613,034,826	-	-
Financial liabilities:							
Repurchase agreements	4,831,398,424	4,831,398,424	-	4,831,398,424	-	-	-
Commercial paper	249,799,819	249,799,819	-	249,799,819	-	-	-
Guaranteed interest contracts	8,440,241,750	8,641,918,198	-	-	8,440,241,750	-	-
Group annuity contracts and							
other deposits	17,890,301,609	17,802,938,121	-	-	17,890,301,609	-	-
Individual annuity contracts	6,998,331,255	5,967,639,793	-	-	6,998,331,255	-	-
Supplementary contracts	1,150,702,889	1,149,544,710	-	-	1,150,702,889	-	-
Derivatives:							
Interest rate swaps	5,071,672,624	4,787,213,350	-	5,071,672,624	-	-	-
Options	2,264,516	2,264,516	-	2,264,516	-	-	-
Currency swaps	450,308,126	450,308,126	-	450,308,126	-	-	-
Forward contracts	63,310,168	37,042,262	-	63,310,168	-	-	-
Credit default swaps	1,590,580	1,644,145	-	1,590,580	-	-	-
Financial futures	134,287,500	134,287,500	_	134,287,500	-	-	-

⁽¹⁾Common stocks - subsidiaries and affiliates do not include unconsolidated subsidiaries, which had a statutory carrying value of \$12,481,771,141.

			December	r 31, 2017			
						Net Asset	Not Practicable
	Aggregate	Admitted	Level 1	Level 2	Level 3	Value (NAV)	(Carrying Value)
- Financial assets:	Fair Value	Assets	Level I	Leverz	Level 3	(INAV)	value)
Bonds:							
U. S. government and agencies	\$ 7,697,358,100 \$	7,148,646,302 \$	- \$	7,696,140,916	\$ 1,217,184	\$-	\$-
All other governments	1,269,456,629	1,180,636,469	-	1,199,532,954	69,923,675	-	-
States, territories and possessions	650,787,369	595,739,067	-	650,787,369	-	-	-
Political subdivisions	576,491,812	531,896,852	-	576,491,812	-	-	-
Special revenue	6,517,741,346	5,813,925,043	-	6,507,057,309	10,684,037	-	-
Industrial and miscellaneous	71,341,958,072	68,140,550,670	-	41,332,593,290	30,009,364,782	-	-
Parent, subsidiaries and affiliates	7,133,043,119	7,023,370,215	-	1,074,523,550	6,058,519,569	-	-
Preferred stocks	786,017,714	767,807,089	35,764,970	-	750,252,744	-	-
Common stock - subsidiaries							
and affiliates ⁽¹⁾	453,804,715	453,804,715	344,139,041	-	109,665,674	-	-
Common stock - unaffiliated	1,211,698,249	1,211,698,249	901,122,199	-	310,576,050	-	-
Mortgage loans - commercial	21,300,839,874	20,776,516,041	-	-	21,300,839,874	-	-
Mortgage loans - residential	1,760,314,846	1,803,330,578	-	-	1,760,314,846	-	-
Cash, cash equivalents and							
short-term investments	3,579,565,622	3,579,565,622	218,304,101	3,361,261,521	-	-	-
Derivatives:							
Interest rate swaps	8,269,196,318	7,684,332,071	-	8,269,196,318	-	-	-
Options	744,440,948	744,440,948	-	744,440,948	-	-	-
Currency swaps	386,671,874	386,671,874	-	385,416,622	1,255,252	-	-
Forward contracts	22,365,809	13,178,525	-	22,365,809	-	-	-
Credit default swaps	35,727,719	28,657,163	-	35,727,719	-	-	-
Separate account assets	69,162,281,558	69,162,281,558	46,005,788,808	22,446,976,398	709,516,352	-	-
Financial liabilities:							
Repurchase agreements	4,203,824,405	4,203,824,405	-	4,203,824,405	-	-	-
Commercial paper	249,867,743	249,867,743	-	249,867,743	-	-	-
Guaranteed investment contracts	8,549,379,509	8,834,233,416	-	-	8,549,379,509		
Group annuity contracts							
and other deposits	18,505,272,005	18,132,442,262	-	-	18,505,272,005	-	-
Individual annuity contracts	8,009,431,860	6,570,314,507	-	-	8,009,431,860	-	-
Supplementary contracts	1,167,981,644	1,166,805,456	-	-	1,167,981,644	-	-
Derivatives:							
Interest rate swaps	5,373,255,255	5,315,004,107	-	5,373,061,449	193,806	-	-
Options	6,319,708	6,319,708	-	6,319,708	-	-	-
Currency swaps	568,599,954	568,599,954	-	560,167,926	8,432,028	-	-
Forward contracts	88,806,435	88,671,592	-	88,806,435	-	-	-
Credit default swaps	414,480	663,996	-	414,480	-	-	-

(1)Common stocks - subsidiaries and affiliates do not include unconsolidated subsidiaries, which had statutory carrying values of \$13,969,762,575.

d. As of September 30, 2018 and December 31, 2017, the Company had no investments where it was not practicable to estimate fair value.

Note 21 – Other Items

a. Unusual or infrequent items - No change

- b. Troubled debt restructuring No change
- c. Other disclosures and unusual items:

Common stocks of unconsolidated subsidiaries, primarily MMHLLC and MMI, are accounted for using the statutory equity method. The Company accounts for the value of MMHLLC and MMI at its underlying U.S. generally accepted accounting principles (GAAP) equity value adjusted to remove certain nonadmitted and intangible assets. MMHLLC's value is also adjusted by a portion of its noncontrolling interests (NCI) and appropriated retained earnings, after consideration of MMHLLC's fair value and the Company's capital levels. The Division has affirmed the statutory recognition of the Company's application of the NCI guidelines in MMHLLC's statutory carrying value. However, the Company has limited this recognition to \$2,568,965,398 as of September 30, 2018 and \$2,703,014,763 as of December 31, 2017. Operating results, less dividends declared, for MMHLLC are reflected as net unrealized capital gains (losses) in the Statutory Statements of Changes in Surplus. Dividends declared from MMHLLC are recorded in net investment income when declared and are limited to MMHLLC's U.S. GAAP retained earnings. The cost basis of common stocks – subsidiaries and affiliates is adjusted for impairments deemed to be other than temporary.

The Company evaluated the accounting for payout annuities and determined that the contracts did not contain significant mortality risk, and therefore, should have been classified as a deposit-type contract rather than policyholder reserves. As a result, approximately \$1,329,188,916 classified of policyholders' reserves as of December 31, 2017 were classified as liabilities for deposit-type contracts in 2018. Additionally, the related impacts within the Company's Statements of Operations and the Statements of Cash Flows reflect this classification. There were no corresponding differences in valuation, and as a result, there were no impacts to surplus or net income.

Business risks

The Company operates in a business environment subject to various risks and uncertainties. The principal risks include insurance and underwriting risks, investment and interest rate risks, currency exchange risk and credit risk. The combined impact of these risks could have a material, adverse effect on the Company's financial statements or result in operating losses in future periods. The Company employs the use of reinsurance, portfolio diversification, asset/liability management processes and other risk management techniques to mitigate the impact of these risks. This condensed risks and uncertainties disclosure should be read in conjunction with the disclosure in the Company's 2017 Annual Statement.

Insurance and underwriting risks

The Company prices its products based on estimated benefit payments reflecting assumptions with respect to mortality, morbidity, longevity, persistency, interest rates and other factors. If actual policy experience emerges that is significantly and adversely different from assumptions used in product pricing, the effect could be material to the profitability of the Company. For participating whole life products, the Company's dividends to policyholders primarily reflect the difference between actual investment, mortality, expense and persistency experience and the experience embedded in the whole life premiums and guaranteed elements. The Company also reinsures certain life insurance and other long-term care insurance policies to mitigate the impact of its underwriting risk.

Investment and interest rate risks

The fair value, cash flows and earnings of investments can be influenced by a variety of factors including changes in interest rates, credit spreads, equity markets, portfolio asset allocation and general economic conditions. The Company employs a rigorous asset/liability management process to help mitigate the economic impacts of various investment risks, in particular interest rate risk. By effectively matching the market sensitivity of assets with the liabilities they support, the impact of interest rate changes is addressed, on an economic basis, as the change in the value of the asset is offset by a corresponding change in the value of the supported liability. The Company uses derivatives, such as interest rate swaps and swaptions, as well as synthetic assets to reduce interest rate and duration imbalances determined in asset/liability analyses.

The levels of U.S. interest rates are influenced by U.S. monetary policies and by the relative attractiveness of U.S. markets to investors versus other global markets. As interest rates increase, certain debt securities may experience amortization or prepayment speeds that are slower than those assumed at purchase, impacting the expected maturity of these securities and the ability to reinvest the proceeds at the higher yields. Rising interest rates may also result in a decrease in the fair value of the investment portfolio. As interest rates decline, certain debt securities may experience accelerated amortization and prepayment speeds than what was assumed at purchase. During such periods, the Company is at risk of lower net investment income as it may not be able to reinvest the proceeds at comparable yields. Declining interest rates may also increase the fair value of the investment portfolio.

Interest rates also have an impact on the Company's products with guaranteed minimum payouts and on interest credited to account holders. As interest rates decrease, investment spreads may contract as crediting rates approach minimum guarantees, resulting in an increased liability.

In periods of increasing interest rates, policy loans, surrenders and withdrawals may increase as policyholders seek investments with higher perceived returns. This could result in cash outflows requiring the Company to sell invested assets at a time when the prices of those assets are adversely affected by the increase in market interest rates, which could cause the Company to realize investment losses.

Currency exchange risk

The Company has currency risk due to its non-U.S. dollar investments and medium-term notes along with its indirect international operations. The Company mitigates a portion of its currency risk through the use of cross-currency swaps and forward contracts. Cross-currency swaps are used to minimize currency risk for certain non-U.S. dollar assets and liabilities through a pre-specified exchange of interest and principal. Forward contracts are used to hedge movements in exchange rates.

Credit and other market risks

The Company manages its investments to limit credit and other market risks by diversifying its portfolio among various security types and industry sectors as well as purchasing credit default swaps to transfer some of the risk. Stressed conditions, volatility and disruptions in global capital markets or in particular markets or financial asset classes can have an adverse effect on the Company, in part because the Company has a large investment portfolio and assets supporting the Company's insurance liabilities are sensitive to changing market factors. Global market factors, including interest rates, credit spread, equity prices, real estate markets, foreign currency exchange rates, consumer spending, business investment, government spending, the volatility and strength of the capital markets, deflation and inflation, all affect the business and economic environment and, ultimately, the profitability of the Company's business. Disruptions in one market or asset class can also spread to other markets or asset classes. Upheavals in the financial markets can also affect the Company's business through their effects on general levels of economic activity, employment and customer behavior.

Asset-based fees calculated as a percentage of the separate account assets are a source of revenue to the Company. Gains and losses in the investment markets may result in corresponding increases and decreases in the Company's separate account assets and related revenue.

Political Uncertainties

Political events, domestically or internationally, may directly or indirectly trigger or exacerbate the risk factors described above. Whether those underlying risk factors are driven by politics or not, the Company's dynamic approach to managing risks enables management to utilize the mitigating actions described above to attempt to reduce the potential impact of each underlying risk factor on the Company.

- d. Business interruption insurance recoveries No change
- e. State transferrable tax credits No change
- f. Subprime mortgage related risk exposure:
 - (1) No change
 - (2) No change

(3) Direct exposure through other investments.

		Sep	tember 30, 201	8		 ne Months Ended ptember 30, 2018
	Actual		Carrying		Fair	
Alt-A:	Cost		Value		Value	ΟΤΤΙ
a. Residential mortgage-backed securities \$	229,877,520	\$	265,689,107	\$	313,163,156	\$ 739,183
b. Commercial mortgage-backed securities	-		-		-	-
c. Collateralized debt obligations	-		-		-	-
d. Structured securities	-		-		-	-
 e. Equity investments in SCAs * 	16,851,674		19,108,478		22,088,363	69,490
f. Other assets	-		-		-	-
g. Total \$	246,729,194	\$	284,797,585	\$	335,251,519	\$ 808,673

*The Company's SCA, C.M. Life, has investments in Alt-A and subprime mortgages, as does C.M. Life's SCA, MML Bay State. These investments comprise less than 1% of the Company's invested assets.

							Year Ended
_		Dec	ember 31, 2017	7		Dee	cember 31, 2017
	Actual		Carrying		Fair		
Alt-A:	Cost		Value		Value		OTTI
a. Residential mortgage-backed securities \$	269,619,940	\$	298,759,915	\$	362,060,389	\$	48,142
b. Commercial mortgage-backed securities	-		-		-		-
c. Collateralized debt obligations	-		-		-		-
d. Structured securities	-		-		-		-
e. Equity investments in SCAs *	19,891,348		21,721,100		25,686,913		14,692
f. Other assets	-		-		-		-
g. Total <u>\$</u>	289,511,288	\$	320,481,015	\$	387,747,302	\$	62,834

*The Company's SCA, C.M. Life, has investments in Alt-A and subprime mortgages, as does C.M. Life's SCA, MML Bay State. These investments comprise less than 1% of the Company's invested assets.

(4) The Company has no underwriting exposure to subprime mortgage risk through Mortgage Guaranty or Financial Guaranty insurance coverage.

g. Retained asset accounts - No change

Note 22 – Events Subsequent

Management of the Company has evaluated subsequent events through November 12, 2018, the date the financial statements were available to be issued.

On October 18, 2018, MassMutual announced a strategic transaction in which Invesco Ltd. (Invesco), a global asset manager, will acquire MassMutual's retail asset management affiliate, OppenheimerFunds, Inc (OFI). In turn, MassMutual is expected to receive an approximate 15.5% common equity interest in the combined company, becoming Invesco's largest shareholder. Under the terms of the agreement, MassMutual and OFI employee shareholders will receive 81.9 million shares of Invesco common equity and \$4,000,000,000 in preferred shares with a fixed dividend rate of 5.9%. As part of this transaction, Invesco and MassMutual will enter into a shareholder agreement in which MassMutual will have customary minority shareholder rights, including appointment of a director to Invesco's board of directors. Pending regulatory and other customary approvals, the transaction is expected to close in the second quarter of 2019.

No other events have occurred subsequent to the date of the Statements of Financial Position and before the date of evaluation that would require disclosure.

Note 23 - Reinsurance - No Change

Note 24 – Retrospectively Rated Contracts and Contracts Subject to Redetermination

- a d. No change.
- e. The Company does not write any accident and health insurance premium that is subject to the Affordable Care Act risk-sharing provisions.

Note 25 – Change in Incurred Losses and Loss Adjustment Expenses

- There was no increase to reserves in 2018 for incurred losses and loss adjustment expenses attributable to insured events of prior years, which considered corrections of prior year errors.
- Note 26 Intercompany Pooling Arrangements No change
- Note 27 Structured Settlements No change
- Note 28 Health Care Receivables No change
- Note 29 Participating Policies No change
- Note 30 Premium Deficiency Reserves No change
- Note 31 Reserves for Life Contracts and Annuity Contracts No change
- Note 32 Analysis of Annuity Actuarial Reserves and Deposit Type Liabilities by Withdrawal Characteristics No change
- Note 33 Premium and Annuity Considerations Deferred and Uncollected No change

Note 34 – Separate Accounts - No change

Note 35 - Loss/Claim Adjustment Expenses - No change

GENERAL INTERROGATORIES

PART 1 - COMMON INTERROGATORIES

GENERAL

1.1	Did the reporting entity experience any material transactions requiring the filing of Disc Domicile, as required by the Model Act?	f 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, a reporting entity?			
2.2	If yes, date of change:			
3.1	Is the reporting entity a member of an Insurance Holding Company System consisting is an insurer?			
3.2	Have there been any substantial changes in the organizational chart since the prior qu	arter 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 S	SEC for the entity/group.		
4.1	Has the reporting entity been a party to a merger or consolidation during the period co	overed by this statement	t?	Yes [] No [X]
4.2	If yes, provide the name of the entity, NAIC Company Code, and state of domicile (use ceased to exist as a result of the merger or consolidation.	e two letter state abbrevi	iation) for any entity that	has
	1 Name of Entity	2 NAIC Company Code	3 State of Domicile	
5.	If the reporting entity is subject to a management agreement, including third-party adm in-fact, or similar agreement, have there been any significant changes regarding the If yes, attach an explanation.	ninistrator(s), managing terms of the agreement	general agent(s), attorn or principals involved?	ey- 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		
6.2	State the as of date that the latest financial examination report became available from date should be the date of the examined balance sheet and not the date the report w			
6.3	State as of what date the latest financial examination report became available to other the reporting entity. This is the release date or completion date of the examination re date).	ce sheet		
6.4	By what department or departments? Commonwealth of Massachusetts Division of Insurance			
6.5	Have all financial statement adjustments within the latest financial examination report statement filed with Departments?	been accounted for in a	subsequent financial	Yes [] No [] N/A [X]
6.6	Have all of the recommendations within the latest financial examination report been co	Yes [X] No [] N/A []		
7.1	Has this reporting entity had any Certificates of Authority, licenses or registrations (inc revoked by any governmental entity during the reporting period?			
7.2	If yes, give full information:			
8.1	Is the company a subsidiary of a bank holding company regulated by the Federal Rese	erve 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	000	FDIC	SEC
Baring International Investment Limited	London, UK				YES
Barings Global Advisers Limited	London, UK				YES
Barings Securities, LLC	Boston, MA				YES
HarbourView Asset Management Corporation	New York, NY				YES
MML Distributors, LLC	Enfield, CT				YES
MML Investment Advisers, LLC	Enfield, CT				YES
MML Investors Services, LLC	Springfield, MA				YES
MML Strategic Distributors, LLC	Springfield, MA				YES
MMLISI Financial Alliances, LLC	Springfield, MA				YES
OC Private Capital, LLC	New York, NY				YES
OFI Advisors, Inc.	New York, NY				YES
OFI Global Asset Management, Inc	New York, NY				YES
OFI Global Institutional, Inc.	New York, NY				YES
	New York, NY				YES
OFI SteelPath, Inc.	Dallas, TX				YES
OppenheimerFunds Distributor, Inc.	New York, NY				YES
OppenheimerFunds Inc.	New York, NY				YES
The MassMutual Trust Company, FSB	Enfield, CT		YES		

GENERAL INTERROGATORIES

		5			
9.1	 Are the senior officers (principal executive officer, principal financial officer, principal accounting officer or controller, similar functions) of the reporting entity subject to a code of ethics, which includes the following standards?	onal and professional	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 9.31					
	FINANCIAL				
10.1	Does the reporting entity report any amounts due from parent, subsidiaries or affiliates on Page 2 of this statement?		Yes [] No [X]		
10.2	If yes, indicate any amounts receivable from parent included in the Page 2 amount:				
11.1 11.2	Were any of the stocks, bonds, or other assets of the reporting entity loaned, placed under option agreement, or oth use by another person? (Exclude securities under securities lending agreements.) If yes, give full and complete information relating thereto: Repurchase agreements, Letter stock or securities restricted as to sale - excluding FHLB Capital Stock, FHLB Capit states, pledged as collateral - excluding collateral pledged to an FHLB and Pledged as collateral to FHLB - includin	al Stock, On deposit with	Yes [X] No []		
10	agreements	¢	1 701 704 64		
12. 13.	Amount of real estate and mortgages held in other invested assets in Schedule BA:				
14.1	Does the reporting entity have any investments in parent, subsidiaries and affiliates?				
14.2	If yes, please complete the following:				
	Bonds	, , , , , , , , , , , , , , , , , , , ,	2 Current Quarter Book/Adjusted Carrying Value \$6,593,181,11		
	Preferred Stock		\$		
	Common Stock		\$12,883,225,30 \$		
	Mortgage Loans on Real Estate		Ф \$		
14.26	All Other	4,536.580.572	\$4,667,226,45		
	Total Investment in Parent, Subsidiaries and Affiliates (Subtotal Lines 14.21 to 14.26)		\$24, 143, 632, 87		
	Total Investment in Parent included in Lines 14.21 to 14.26 above	, ,	\$		
15.1 15.2	Has the reporting entity entered into any hedging transactions reported on Schedule DB? If yes, has a comprehensive description of the hedging program been made available to the domiciliary state?		Yes [X] No [] Yes [X] No []		

If no, attach a description with this statement.

GENERAL INTERROGATORIES

For the reporting entity's security lending program, state the amount of the following as of the current statement date: 16.

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

16.2 Total book adjusted/carrying value of reinvested collateral assets reported on Schedule DL, Parts 1 and 2 16.3 Total payable for securities lending reported on the liability page.

Excluding items in Schedule E - Part 3 - Special Deposits, real estate, mortgage loans and investments held physically in the reporting entity's 17 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? For all agreements that comply with the requirements of the NAIC Financial Condition Examiners Handbook, complete the following: 171

1	2
Name of Custodian(s)	Custodian Address
Citibank, N.A.	333 West 34th Street, New York, NY 10001
	1 Chase Manhattan Plaza, 19th Floor, New York, NY 10005
Northern Trust	50 South LaSalle Street, Chicago, IL 60603
State Street Global Services	801 Pennsylvania Avenue, Kansas City, MO 64105

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

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

Have there been any changes, including name changes, in the custodian(s) identified in 17.1 during the current quarter? ... 17.3 Yes [1 No [X] If yes, give full information relating thereto: 17.4

1	2	3	4
Old Custodian	New Custodian	Date of Change	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"]

2
Affiliation
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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 [X]

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

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.

2	3	4	5
			Investment
			Managemen
Nome of Firm or Individual	Legal Entity Identifier (LEI)	Desistered With	Agreement (IMA) Filed
	Legal Entity Identifier (LEI)	~ ~ ~	(IIVIA) FIIEU
		SEC	NO
OFI Institutional Asset Management, Inc		SEC	DS
Barings LLC	R6ZXK5P01NP6HXSY1S07	SEC	DS
Franklin Advisers, Inc.		SEC	NO
Tortoise Capital Advisors, L.L.C		SEC	NO
LLC		SEC	NO
Earnest Partners LLC		SEC	NO
KA Fund Advisors LLC		SEC	NO
IFM Investors Pty Ltd		SEC	NO
Ashmore Investment Management Limited	R6ZXK5P01NP6HXSY1S07	SEC	NO
Jefferies Finance LLC		SEC	DS
20 Gates Management, LLC		SEC	NO
	Franklin Advisers, Inc. Tortoise Capital Advisors, L.L.C. PIMCO- Pacific Investment Management Company LLC Earnest Partners LLC KA Fund Advisors LLC IFM Investors Pty Ltd Ashmore Investment Management Limited Jefferies Finance LLC	Apollo Aviation Group Capital Markets LLC	Apollo Aviation Group Capital Markets LLC SEC OFI Institutional Asset Management, Inc. SEC Barings LLC R6ZXK5P01NP6HXSY1S07 SEC Franklin Advisers, Inc. SEC Tortoise Capital Advisors, L.L.C. SEC PIMCO- Pacific Investment Management Company SEC LC SEC Earnest Partners LLC SEC KA Fund Advisors Pty Ltd SEC Ashmore Investment Management Limited R6ZXK5P01NP6HXSY1S07 Jefferies Finance LLC SEC

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

At 09/30/2018, 32 issues for 23 issuers did not meet the filing requirements of the Purposes and Procedures Manual. The majority of these issues currently lack one or more of the following: Valid cusip/PPN, audited financials and/or executed legal documentation. Exceptions totaled \$185,302,981 or 0.17% of all assets.

By self-designating 5*GI securities, the reporting entity is certifying the following elements for each self-designated 5*GI security: 19.

a. Documentation necessary to permit a full credit analysis of the security does not exist.

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 5*GI securities?

Yes [X] No []

\$

\$

\$

Yes [X] No [

1

GENERAL INTERROGATORIES

PART 2 - LIFE & HEALTH

1.	Report the statement value of mortgage loans at the end of this reporting period for the following categories:	1 Amount
	1.1 Long-Term Mortgages In Good Standing	
	1.11 Farm Mortgages	
	1.12 Residential Mortgages	
	1.13 Commercial Mortgages	
	1.14 Total Mortgages in Good Standing	.\$23,328,066,802
	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	<u>.</u> \$
	1.32 Residential Mortgages	.\$
	1.33 Commercial Mortgages	.\$
	1.34 Total Mortgages with Interest Overdue more than Three Months	.\$
	1.4 Long-Term Mortgage Loans in Process of Foreclosure	
	1.41 Farm Mortgages	.\$
	1.42 Residential Mortgages	.\$
	1.43 Commercial Mortgages	.\$
	1.44 Total Mortgages in Process of Foreclosure	.\$
1.5	Total Mortgage Loans (Lines 1.14 + 1.21 + 1.34 + 1.44) (Page 2, Column 3, Lines 3.1 + 3.2)	\$ 23,328,066,802
1.6	Long-Term Mortgages Foreclosed, Properties Transferred to Real Estate in Current Quarter	
	1.61 Farm Mortgages	\$
	1.62 Residential Mortgages	
	1.63 Commercial Mortgages	
	1.64 Total Mortgages Foreclosed and Transferred to Real Estate	
2.	Operating Percentages:	
	2.1 A&H loss percent	58.824 %
	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?	
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?	
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?	
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	
→. I	domicile of the reporting entity?	Yes [] No []

SCHEDULE S - CEDED REINSURANCE

Showing All New Reinsurance Treaties - Current Year to Date

									· · · · · · · · · · · · · · · · · · ·
1	2	3	4	5	6		7	8	9
									Effective
								Certified	Date of
NAIC					Type of	of		Reinsurer	Certified
Company	ID E	ffective		Domiciliary				Rating	Reinsurer
Code		Date	Name of Reinsurer	Jurisdiction	Cedeo		Type of Reinsurer	(1 through 6)	
			Athene Annuity & Life Assur. Co. (TH18)	DE	ACO/1	Authorized		(T through 0)	Traing
66346			Munich American Reassurance (MUTO)	GA		Authorized			
66346			Munich American Reassurance (MUT5)	GA	CO/1.	Authorized			
66346			Munich American Reassurance (MUT7)	GA	CO/I_	Authorized			
66346			Munich American Reassurance (MUT8)	GA	CO/I.	Authorized			
66346		/07/2018	Munich American Reassurance (MUT9)	GA	C0/1.	Authorized			
		/15/2017	Munich American Reassurance (MUU1)	GA	CO/I.	Authorized			
	.58-0828824	/15/2017	Munich American Reassurance (MUU6)			Authorized			
74900			Partner Re (PRT3)	AR	.CO/1	Authorized			
74900			Partner Re (PRT4)	AR	C0/1	Authorized			
74900			Partner Re (PRT6)	AR	00/1	Authorized			
74900				AR		Authorized			
74900			Partner Re (PRT8)	AR	CO/I_	Authorized			
74900			Partner Re (PRTB)	AR	CO/I_	Authorized			
			RGA Reinsurance Co. (GATO)		CO/I.	Authorized			
		/07/2018	RGA Reinsurance Co. (GAT3)	МО	CO/I.	Authorized			
93572		/07/2018	RGA Reinsurance Co. (GAT4)		CO/I.	Authorized			
93572			RGA Reinsurance Co. (GAT5)	MO		Authorized			
93572			RGA Reinsurance Co. (GAT6)	MO	C0/1	Authorized			
93572			RGA Reinsurance Co. (GATO)	MO	C0/1	Authorized			
93572			RGA Reinsurance Co. (GAT8)	MO	00/1	Authorized			
93572			RGA Reinsurance Co. (GAT9)	<u>M0</u>	CO/I	Authorized			
93572			RGA Reinsurance Co. (GATB)	MO		Authorized			
93572			RGA Reinsurance Co. (GATR)	МО		Authorized			
97071			SCOR Global Life USA Reins Co (SU20)	DE	COFW/	Authorized			
		/07/2018	SCOR Global Life USA Reins Co (SUTO)	DE	CO/I.	Authorized			
97071	.13-3126819	/07/2018	SCOR Global Life USA Reins Co (SUT3)	DE		Authorized			
97071			SCOR Global Life USA Reins Co (SUT4)	DE	C0/1	Authorized			
97071			SCOR Global Life USA Reins Co (SUT5)	DE	C0/1	Authorized			
97071			SCOR Global Life USA Reins Co (SUTG)	DE	C0/1	Authorized			
				DE		Authorized			
97071			SCOR Global Life USA Reins Co (SUT8)	DE	CO/I.	Authorized			
97071			SCOR Global Life USA Reins Co (SUT9)	DE		Authorized			
97071			SCOR Global Life USA Reins Co (SUTB)	DE	CO/I.	Authorized			
82627			Swiss Re Life & Health America (SRTO)	MO	CO/I.	Authorized			
	06-083970507	/07/2018	Swiss Re Life & Health America (SRT3)	MO	CO/I	Authorized			
82627	06-0839705 07	/07/2018	Swiss Re Life & Health America (SRT4)	MO	C0/I	Authorized			
82627			Swiss Re Life & Health America (SRT5)	MO	CO/I	Authorized			
			Swiss Re Life & Health America (SRT6)		C0/1	Authorized			1
			Swiss Re Life & Health America (SRT7)			Authorized			1
									+
			Swiss Re Life & Health America (SRT8)	MO		Authorized			
82627			Swiss Re Life & Health America (SRT9)	MO	CO/I.	Authorized			
82627			Swiss Re Life & Health America (SRTB)	MO		Authorized			
82627			Swiss Re Life & Health America (SRTR)	MO	CO/I.	Authorized			
	06-083970504	/15/2017	Swiss Re Life & Health America (SRU1)	MO	CO/I.	Authorized			
82627	06-0839705 04	/15/2017	Swiss Re Life & Health America (SRU6)	MO	C0/I	Authorized			

STATEMENT AS OF SEPTEMBER 30, 2018 OF THE Massachusetts Mutual Life Insurance Company SCHEDULE T - PREMIUMS AND ANNUITY CONSIDERATIONS

r	Current Year To Date - Allocated by States and Territories								
		1	Life Co	ontracts	Direct Busi	ness Only 5	6	7	
			2	3	Accident and	5	5	1	
					Health Insurance Premiums,				
		Active			Including Policy,		Total		
	States, Etc.	Status (a)	Life Insurance Premiums	Annuity Considerations	Membership and Other Fees	Other Considerations	Columns 2 Through 5	Deposit-Type Contracts	
1.	AlabamaAl	L		20,023,502	4,976,812				
2.	Alaska AK	LL.	1,469,717	2,386,294			7, 497, 365		
3.	Arizona		41,953,895		7,803,897				
4.	Arkansas AR	L			1,716,473			5, 116, 582	
5. 6.	California CA Colorado CO				45,513,816 8,046,738		1,480,288,657 125,584,888		
0. 7.	Connecticut CT		130,097,723						
8.	DelawareDF		102, 127, 821		1,255,467				
9.	District of Columbia DC		13,973,986	1,924,412	2,938,686				
10.	Florida FL	L							
11.	Georgia GA	L							
12.	Hawaii HI				2,297,384	7,453,499	41,407,191	11,391,639	
13.	Idaho ID			7,500,968	1,070,177				
14. 15.	IllinoisIL Indiana			149,021,073 62,769,452				45,369,739 31,940,513	
15.	Indiana IN Iowa IA	L							
17.	Kansas			10,984,624	4, 184, 898	40,531,669			
18.	Kentucky	Ĺ	20,035,861	75,814,278	3,896,660	15,957,402	115,704,201		
19.	Louisiana LA			24, 109, 322	4,544,671	19,056,466	136,576,743	28,468,978	
20.	Maine ME	L			1,903,303			4,837,785	
	Maryland MD				20,936,691				
22.	Massachusetts MA						1,420,489,601		
23. 24.	Michigan MI Minnesota MN			200,351,435 51,085,832	10,524,294 7,091,386		472,987,496	54 , 020 , 594 173 , 905 , 844	
24. 25.	MN Mississippi MS		43,557,174		7,091,386				
25. 26.	Missouri MO		55, 165, 054 49, 991, 551	25,332,053 57,868,123					
27.	Montana MO					4,444,756		6,868,258	
28.	Nebraska NE	LL.			4,320,629				
29.	Nevada NV	L			2,508,602		100,471,378	8,517,519	
	New Hampshire NH				3,402,811			14 , 274 , 059	
31.	New Jersey NJ								
32.	New Mexico NM				1,694,921	2,498,793			
33. 34.	New York NY North Carolina NC		<u>8</u> 48,348,507 116,749,151				2,078,253,145 		
34.	North DakotaND		10,213,434						
36.	Ohio OH	E				149,917,492			
37.	Oklahoma OK		79,853,052		5,747,667	61,947,229			
38.	Oregon OR	LL			3,614,416				
39.	Pennsylvania PA			179,636,763					
40.	Rhode Island	Ļ			2,407,865			7,269,649	
41.	South Carolina								
42. 43.	South Dakota		6,425,376	2,797,410	484,971	835,237 134,614,589		2,720,610	
	Texas			60,264,358 			278,213,482 633,210,024	24,298,108 186,245,047	
45.	Utah UT								
46.	Vermont		16,232,441		1,062,464	7,664,907		1,606,589	
47.	Virginia VA								
	Washington WA	L			8, 150, 553				
	West Virginia WV			10,591,508	1, 110, 182	10,544,334			
	Wisconsin WI							6,592,789	
	Wyoming		4,729,844	11,341,351	· · ·			2,353,782	
52. 53.	American Samoa AS Guam								
53. 54.	Puerto Rico PR								
	U.S. Virgin Islands	N							
	Northern Mariana Islands MP	N.	,000					20,000	
57.	Canada CAN	INN				1, 130	1,091,388		
58.	Aggregate Other Aliens OT	XXX		1,473,173			105,701,498		
59.	Subtotal	XXX	4,875,062,709	3,991,386,192		6,588,071,673	16,002,637,232	2,892,406,836	
90.	Reporting entity contributions for employee benefit plans								
91.	Dividends or refunds applied to purchase paid-up								
	additions and annuities	XXX		1, 468, 091					
92.	Dividends or refunds applied to shorten endowmen or premium paying period								
93.	Premium or annuity considerations waived under								
	disability or other contract provisions				8,957,911				
94.	Aggregate or other amounts not allocable by State								
95.	Totals (Direct Business)		5,808,886,231	3,992,854,283		6,588,071,673	16,946,886,756	2,892,406,836	
96. 97	Plus Reinsurance Assumed Totals (All Business)						1,023,770,705	1, 190, 078, 278	
97 98.	Less Reinsurance Ceded		5,847,890,845	4,008,786,723 73,245,796		7,556,905,324	17,970,657,461 754,687,784	4,082,485,114	
98. 99.	Totals (All Business) less Reinsurance Ceded		5,139,025,926	3,935,540,927		7,556,905,324	17,215,969,677	4,082,485,114	
	DETAILS OF WRITE-INS	7077	0,100,020,020	0,000,010,027	001,101,000	1,000,000,021	11,210,000,011	1,002,100,111	
58001.	HKG Hong Kong	XXX							
58002.	ZZZ Other Alien		12,203,630	1,473,173			105,486,668		
58003.									
58998.	Summary of remaining write-ins for Line 58 from								
58999	overflow page Totals (Lines 58001 through 58003 plus	XXX							
56999.	58998)(Line 58 above)	XXX	12,418,460	1,473,173	432,865	91,377,000	105,701,498		
9401.		XXX				. , -	. ,		
9402.									
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	e Status Counts:								

.5

(a) Active Status Counts:
 L - Licensed or Chartered - Licensed Insurance carrier or domiciled RRG.....
 E - Eligible - Reporting entities eligible or approved to write surplus lines in the state.....
 N - None of the above - Not allowed to write business in the state......

R - Registered - Non-domiciled RRGs..... Q - Qualified - Qualified or accredited reinsurer.

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

PART 1 – ORGANIZATIONAL CHART

The following entities are general partner level or above of Massachusetts Mutual Life Insurance Company (Parent)					
	<u>Federal Tax ID</u>	NAIC Co Code	State of Domicile		
MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY Direct & Indirect Owned Subsidiaries:	04-1590850	65935	Massachusetts		
C.M. Life Insurance Company	06-1041383	93432	Connecticut		
MML Bay State Life Insurance Company	43-0581430	70416	Connecticut		
CML Mezzanine Investor, LLC	06-1041383		Delaware		
CML Mezzanine Investor L, LLC	06-1041383		Delaware		
CML Mezzanine Investor III, LLC	06-1041383		Delaware		
CML Special Situations Investor LLC	None		Delaware		
MML Mezzanine Investor L, LLC	04-1590850		Delaware		
Berkshire Way LLC	04-1590850		Delaware		
MML Special Situations Investor LLC	None		Delaware		
Timberland Forest Holding LLC	47-5322979		Delaware		
Lyme Adirondack Forest Company, LLC	None		Delaware		
Lyme Adirondack Timber Sales, Inc.	20-5305426		New York		
Lyme Adirondack Timberlands I, LLC	None		Delaware		
Lyme Adirondack Timberlands II, LLC	None		Delaware		
WP-SC, LLC*	26-4441097		Delaware		
MSP-SC, LLC	04-1590850		Delaware		
Country Club Office Plaza LLC*	27-1435692		Delaware		
Insurance Road LLC	04-1590850		Delaware		
MassMutual Trad Private Equity LLC	04-1590850		Delaware		
MassMutual Intellectual Property LLC	04-1590850		Delaware		
Trad Investments I LLC	None		Delaware		
EM Opportunities LLC	None		Delaware		
Jefferies Finance LLC	27-0105644		Delaware		
Apex Credit Partners LLC	None		Delaware		
JFIN GP Adviser LLC	None		Delaware		
JFIN Revolver Fund, L.P.	None		Delaware		
JFIN Fund III LLC	None		Delaware		
JFIN Asset Management LLC	None		Delaware		
JFAM GP LLC	None		Delaware		
JFAM GP LP	None		Delaware		
JFAM Loan Fund, LP	None		Delaware		
JFIN Revolver Holdings LLC	None		Delaware		
JFIN Revolver Holdings II LLC	None		Delaware		
JFIN Co-Issuer Corporation	None		Delaware		
JFIN Europe GP, S.a.r.l.	None		Luxembourg		
Jefferies Finance Europe, SCSp	None		Luxembourg		
Jefferies Finance Business Credit LLC	None		Delaware		
JFIN Business Credit Fund I LLC	None		Delaware		

The following entities are general partner level or above of Massachusetts Mutual Life Insurance Company (Parent)

*This entity is owned by another or multiple entities in the group. Please refer to Sch Y Part 1A for the ownership and percentage information.

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

PART 1 – ORGANIZATIONAL CHART

	<u>Federal Tax ID</u>	NAIC Co Code	State of Domicile
JFIN High Yield Investments LLC	None		Delaware
JFIN LC Fund LLC	None		Delaware
JFIN Revolver CLO Holdings LLC	None		Delaware
JFIN CLO 2007 Ltd.	None		Cayman Islands
JFIN CLO 2012 Ltd.	None		Cayman Islands
JFIN CLO 2013 Ltd.	None		Cayman Islands
JFIN CLO 2014 Ltd.	None		Cayman Islands
JFIN CLO 2014-II Ltd.	None		Cayman Islands
JFIN MM CLO 2014 Ltd.*	None		Cayman Islands
JFIN CLO 2015 Ltd.*	None		Cayman Islands
Apex Credit CLO 2015-II Ltd.*	None		Cayman Islands
JFIN Revolver CLO 2014 Ltd.	None		Cayman Islands
JFIN Revolver CLO 2015 Ltd.	None		Cayman Islands
JFIN Revolver CLO 2017 Ltd.	None		Cayman Islands
JFIN Revolver CLO 2017-II Ltd.	None		Cayman Islands
JFIN Revolver CLO 2017-III Ltd.	None		Cayman Islands
JFIN Revolver CLO 2018 Ltd.	None		Cayman Islands
Apex Credit CLO 2016 Ltd.	None		Cayman Islands
Apex Credit CLO 2017 Ltd.	None		Cayman Islands
Apex Credit CLO 2017-II Ltd.	None		Cayman Islands
Apex Credit CLO 2018-II Ltd.	None		Cayman Islands
MassMutual Mortgage Lending LLC	None		Delaware
MassMutual Retirement Services, LLC	04-1590850		Delaware
MM Copper Hill Road LLC	04-1590850		Delaware
MML Distributors LLC*	04-3356880		Massachusetts
MML Investment Advisers, LLC	None		Delaware
MML Mezzanine Investor, LLC	04-1590850		Delaware
MML Strategic Distributors, LLC	46-3238013		Delaware
The MassMutual Trust Company, FSB	06-1563535		Connecticut
MassMutual Asset Finance LLC*	26-0073611		Delaware
MMAF Equipment Finance LLC 2009-A	27-1379258		Delaware
MMAF Equipment Finance LLC 2011-A	45-2589019		Delaware
MML Private Placement Investment Company I, LLC	04-1590850		Delaware
MML Private Equity Fund Investor LLC	04-1590850		Delaware
MM Private Equity Intercontinental LLC	04-1590850		Delaware
Pioneers Gate LLC	45-2738137		Delaware
MassMutual Holding LLC	04-2854319		Delaware
Fern Street LLC	37-1732913		Delaware
First Mercantile Trust Company	62-0951563		Tennessee
Haven Life Insurance Agency, LLC	46-2252944		Delaware
MassMutual Assignment Company	06-1597528		North Carolina

*This entity is owned by another or multiple entities in the group. Please refer to Sch Y Part 1A for the ownership and percentage information.

PART 1 – ORGANIZATIONAL CHART

	<u>Federal Tax ID</u>	NAIC Co Code	State of Domicile
MassMutual Capital Partners LLC	04-1590850		Delaware
MassMutual Ventures Holding LLC	None		Delaware
MassMutual Ventures Management LLC	None		Delaware
MassMutual Ventures SEA Management Private Limited	None		Singapore
MassMutual Ventures Southeast Asia I LLC	None		Delaware
MassMutual Ventures UK LLC	None		Delaware
MassMutual Ventures US I LLC	47-1296410		Delaware
MassMutual Ventures US II LLC	None		Delaware
MM Rothesay Holdco US LLC	04-1590850		Delaware
MML Investors Services, LLC	04-1590850		Massachusetts
MML Insurance Agency, LLC	04-1590850		Massachusetts
MMLISI Financial Alliances, LLC	41-2011634		Delaware
LifeScore Labs, LLC	47-1466022		Massachusetts
MM Asset Management Holding LLC	45-4000072		Delaware
Barings LLC	51-0504477		Delaware
Baring Asset Management (Asia) Holdings Limited	98-0524271		Hong Kong, Special Administrative Region of China
Baring International Fund Managers (Bermuda) Limited	98-0457465		Bermuda
Baring Asset Management (Asia) Limited	98-0457463		Hong Kong, Special Administrative Region of China
Baring Asset Management Korea Limited	None		Korea
Baring SICE (Taiwan) Limited	98-0457707		Taiwan ROC
Barings Japan Limited	98-0236449		Japan
Baring Asset Management (Australia) Pty Limited	98-0457456		Australia
Barings Investment Advisors (Hong Kong) Limited	None		Hong Kong, Special Administrative Region of China
Barings Australia Holding Company Pty Ltd	None		Australia
Barings Australia Pty Ltd	98-0457456		Australia
Barings Finance LLC	80-0875475		Delaware
BCF Europe Funding Limited	None		Ireland
BCF Senior Funding I LLC	None		Delaware
Barings Securities LLC	04-3238351		Delaware
Barings Guernsey Limited	98-0437588		Guernsey
Barings Europe Limited	None		United Kingdom
Barings Real Estate UK Holdings Limited	None		Delaware
BREAE AIFM LLP	None		United Kingdom
Barings Real Estate Advisers (Continental Europe) Limited	98-0654401		United Kingdom
Barings Real Estate Advisers Europe LLP	98-0654388		United Kingdom
Barings Real Estate Advisers Europe Finance LLP	98-0654412		United Kingdom
Barings Real Estate Advisers GmbH	98-1194368		Germany
Baring Asset Management Limited	98-0241935		United Kingdom
Barings Global Advisors Limited	98-1012393		United Kingdom
BCGSS 2 GP LLP	None		United Kingdom
Barings European Direct Lending 1 GP LLP	None		United Kingdom

PART 1 – ORGANIZATIONAL CHART

	Federal Tax ID	NAIC Co Code	State of Domicile
Baring International Investment Limited	98-0457328		United Kingdom
Baring International Investment Management Holdings	98-0457587		United Kingdom
Baring Asset Management UK Holdings Limited	98-0457576		United Kingdom
Baring Asset Management GmbH	98-0465031		Germany
Baring International Fund Managers (Ireland) Limited	98-0524272		Ireland
Baring Asset Management Switzerland Sarl	None		Switzerland
Baring France SAS	98-0497550		France
Baring Fund Managers Limited	98-0457586		United Kingdom
Baring Pension Trustees Limited	98-0457574		United Kingdom
Baring Investment Services Limited	98-0457578		United Kingdom
Barings Investment Fund (LUX) GP S.à. r.l.	None		Luxembourg
Barings GPC GP S.à. r.l.	None		Luxembourg
Almack Mezzanine GP III Limited	None		United Kingdom
Almack Holding Partnership GP Limited	None		United Kingdom
Almack Mezzanine Fund Limited	None		United Kingdom
Almack Mezzanine Fund II Limited	None		United Kingdom
Barings (U.K.) Limited	98-0432153		United Kingdom
Barings Multifamily Capital Holdings LLC	None		Delaware
Barings Multifamily Capital LLC	None		Michigan
Barings Multifamily Capital Corporation	None		Delaware
Barings Real Estate Advisers Inc.	04-3238351		California
MassMutual Baring Holding LLC	04-1590850		Delaware
MassMutual Holdings (Bermuda) Limited	None		Bermuda
Agspring Holdco, LLC	None		Delaware
Chassis Acquisition Holding LLC	81-2244465		Delaware
CRA Aircraft Holding LLC*	81-4258759		Delaware
Aland Royalty Holdings LP	None		Delaware
Intermodal Holding II LLC	46-2344300		Delaware
Milestone Acquisition Holding, LLC.	47-3055009		Delaware
Red Lake Ventures, LLC	46-5460309		Delaware
Remington L & W Holdings LLC*	81-4065378		Connecticut
Solar Acquisition Holding, LLC	None		Delaware
Tamiami Citrus, LLC	None		Delaware
Teaktree Acquisition, LLC	None		Delaware
U.S. Pharmaceuticals Holdings I, LLC	46-0687392		Delaware
U.S. Pharmaceuticals Holdings II, LLC	47-5436800		Delaware
Validus Pharmaceuticals LLC	None		Delaware
VGS Acquisition Holding, LLC	None		Delaware
Aland Royalty GP, LLC	None		Delaware
BAI GP, LLC	None		Delaware

PART 1 – ORGANIZATIONAL CHART

	<u>Federal Tax ID</u>	NAIC Co Code	State of Domicile
Barings Alternative Investments SLP, LLC	None		Delaware
Baring Asset-Based Income Fund (US) GP, LLC	None		Delaware
Barings Global Equity Fund	46-1197222		Delaware
Barings Global Investment Funds (U.S.) Management LLC	04-1590850		Delaware
Babson Global Loan Feeder Management, LLC	None		Delaware
Baring North America LLC	98-0241935		Massachusetts
Barings ABIF SLP, LLC	None		Delaware
Barings CLO Investment Partners GP, LLC	None		Delaware
Barings Core Property Fund GP LLC	None		Delaware
Barings Direct Lending GP Ltd.	None		Cayman Islands
Barings Global Energy Infrastructure Advisors, LLC	None		Delaware
Barings Global Real Assets Fund GP, LLC	None		Delaware
Barings Multi Asset Income Fund	None		Hong Kong
Barings North American Private Loan Fund Management, LLC	None		Delaware
Barings/LAZ Parking Fund GP LLC	None		Delaware
Benton Street Advisors, Inc.	98-0536233		Cayman Islands
BREBF I GP LLC	None		Delaware
BRECS VII GP LLC	None		Delaware
CCM Fund I REIT Manager LLC	None		Delaware
CCM Venture I GP LLC	None		Delaware
CCM Venture I REIT Manager LLC	None		Delaware
CEMF I GP LLC	None		Delaware
CHY Venture GP LLC	None		Delaware
CREF X GP LLC	None		Delaware
CREF VIII GP, LLC	None		Delaware
Great Lakes III GP, LLC	04-1590850		Delaware
Lake Jackson LLC	None		Delaware
Loan Strategies Management LLC	04-1590850		Delaware
Mezzco LLC	04-1590850		Delaware
Mezzco II LLC	02-0767001		Delaware
Mezzeo III LLC	41-2280126		Delaware
Mezzo IV LLC	80-0920285		Delaware
Mezzco Australia LLC	90-0666326		Delaware
Mezzo Australia II LLC	None		Delaware
RECSA-NY GP LLC	None		Delaware
Somerset Special Opportunities Management LLC	04-1590850		Delaware
Oppenheimer Acquisition Corp.	84-1149206		Delaware
OppenheimerFunds, Inc.	13-2527171		Colorado
OppenheimerFunds Distributor, Inc.	13-2953455		New York
Oppenheimer Real Asset Management, Inc.	84-1106295		Delaware
OFI Global Institutional, Inc.	13-4160541		New York

PART 1 – ORGANIZATIONAL CHART

	<u>Federal Tax ID</u>	NAIC Co Code	State of Domicile
HarbourView Asset Management Corporation	22-2697140		New York
OC Private Capital, LLC	None		Delaware
OFI Global Trust Company	13-3459790		New York
OFI International, Ltd.	None		United Kingdom
SNW Asset Management Corporation	None		Delaware
Seattle Northwest Asset Management LLC	None		Washington
Trinity Investment Management Corporation	25-1951632		Pennsylvania
OFI SteelPath, Inc.	84-1128397		Delaware
Shareholder Services, Inc.	84-1066811		Colorado
OFI Advisors, LLC	None		Delaware
Index Management Solutions, LLC	None		Pennsylvania
OFI Global Asset Management, Inc.	84-0765063		Delaware
OFI Private Investments Inc.	91-2036414		New York
Tremont Group Holdings, LLC	62-1210532		New York
Tremont Partners, LLC	06-1121864		Connecticut
Tremont GP, LLC	20-8215352		Delaware
Settlement Agent, LLC	90-0874510		Delaware
Tremont (Bermuda) Limited	None		Bermuda
MassMutual International LLC	04-3313782		Delaware
MassMutual Asia Limited	None		Hong Kong, Special Administrative Region of China
MassMutual Asia Investors Ltd.	None		Hong Kong, Special Administrative Region of China
MassMutual Guardian Limited	None		Hong Kong, Special Administrative Region of China
MassMutual Insurance Consultants Limited	None		Hong Kong, Special Administrative Region of China
MassMutual Services Limited	None		Hong Kong, Special Administrative Region of China
MassMutual Trustees Limited	None		Hong Kong, Special Administrative Region of China
Protective Capital (International) Limited	98-0610331		Hong Kong, Special Administrative Region of China
MassMutual Life Insurance Company	None		Japan
MassMutual Internacional (Chile) SpA	98-1033127		Chile
MML Management Corporation	04-2443240		Massachusetts
MassMutual International Holding MSC, Inc.	04-3548444		Massachusetts
MassMutual Holding MSC, Inc.	04-3341767		Massachusetts
MML Mezzanine Investor II, LLC	04-1590850		Delaware
MML Mezzanine Investor III, LLC	04-1590850		Delaware
MassMutual External Benefits Group LLC	27-3576835		Delaware
Cornerstone Global REIT Corporation	20-8730751		Delaware
Other Affiliates & Funds:			
100 w. 3 rd Street LLC	04-1590850		Delaware
300 South Tryon Hotel LLC	82-2432216		Delaware
300 South Tryon LLC	04-1590850		Delaware
54 West Capital LLC	20-3887968		Delaware
Almack Mezzanine Fund I LP*	None		United Kingdom

PART 1 – ORGANIZATIONAL CHART

	<u>Federal Tax ID</u>	NAIC Co Code	State of Domicile
Almack Mezzanine Fund II Unleveraged LP	None		United Kingdom
Almack Mezzanine Fund III LP*	None		United Kingdom
Barings Asset-Based Income Fund (US) LP	36-4868350		Delaware
Barings Emerging Markets Corporate Bond Fund	None		Ireland
Barings Global Special Situations Credit Fund 1	None		Ireland
Babson Capital Global Special Situation Credit Fund 2*	98-1206017		Delaware
Babson Capital Loan Strategies Fund, L.P.*	37-1506417		Delaware
Barings US High Yield Bond Fund*	None		Ireland
Babson CLO Ltd. 2012-II	None		Cayman Islands
Babson CLO Ltd. 2013-I	None		Cayman Islands
Babson CLO Ltd. 2014-I	None		Cayman Islands
Babson CLO Ltd. 2014-II	None		Cayman Islands
Babson CLO Ltd. 2015-I	None		Cayman Islands
Babson CLO Ltd. 2015-II	None		Cayman Islands
Babson CLO Ltd. 2016-I	None		Cayman Islands
Babson CLO Ltd. 2016-II	None		Cayman Islands
Barings CLO Ltd. 2017-I	None		Cayman Islands
Babson Euro CLO 2014-I BV	None		Netherlands
Babson Euro CLO 2014-II BV	None		Netherlands
Babson Euro CLO 2015-I BV	None		Netherlands
Babson Euro CLO 2016-I BV	None		Netherlands
Barings Euro Equity Income Fund	None		Hong Kong
Baring Focused EAFE Equity Fund	11-3789446		Delaware
Barings Global Energy Infrastructure Fund I LP	98-1332384		Cayman Islands
Barings Global Private Loan Fund	None		Luxembourg
Barings Global Real Assets Fund LP	82-3867745		Delaware
Barings Global Special Situations Credit Fund 3	None		Ireland
Barings Middle Market CLO 2017-I Ltd & LLC	None		Cayman Islands
Barings North American Private Loan Fund LP	38-4010344		Delaware
Barings RE Credit Strategies VII LP	98-1332384		Delaware
Baring International Small Cap Equity Fund	26-4142796		Delaware
Barings CLO Investment Partners LP	81-0841854		Delaware
Barings Real Estate European Value Add I SCSp*	None		United Kingdom
Braemar Energy Ventures I, L.P. *	None		Delaware
Barings European Core Property Fund SCSp	None		Luxembourg
Benchmark 2018-B2 Mortgage Trust	38-4059932		New York
Cornerstone Core Mortgage Venture I LP	27-1701622		Delaware
Cornerstone Enhanced Mortgage Fund I LP	45-3751572		Delaware
Cornerstone Global Real Estate LP*	20-8730751		Delaware
Cornerstone High Yield Venture LP	36-4770946		Delaware
Barings/LAZ Parking Fund LP	46-5437441		Delaware

PART 1 – ORGANIZATIONAL CHART

	<u>Federal Tax ID</u> <u>NAI</u>	C Co Code State of Domicile
Barings Core Property Fund LP	20-5578089	Delaware
Cornerstone Real Estate Fund VIII LP	27-0547156	Delaware
Cornerstone Real Estate Fund X LP	46-5432619	Delaware
Cornerstone Permanent Mortgage Fund III LLC	35-2531693	Massachusetts
Duchess VII CLO B.V.	None	United Kingdom
E-Wise Land Venture LLC	20-3887968	Delaware
Gateway Mezzanine Partners I LP	80-0691253	Delaware
Gateway Mezzanine Partners II LP*	90-0991195	Delaware
Gillem GA Industrial LLC	04-1590850	Delaware
Great Lakes III, L.P.	37-1708623	Delaware
JPMCC Commercial Mortgage Securities Trust 2017-JP7	38-4041011; 38-4041012	New York
JPMDB Commercial Mortgage Securities Trust 2017-C5	38-4032059	New York
Kazwell Realty Partners LLC	20-3887968	Delaware
KKR-MM Vector LP	82-1512591	Delaware
Marco Hotel LLC	46-4255307	Delaware
MM Debt Participations LLC	81-3000420	Delaware
Oakley Grove Development LLC	20-3887968	Delaware
Old Pasco Properties LLC	20-3887968	Delaware
RB Apartments LLC	82-4411267	Delaware
Reston Arboretum LLC	75-2901061	Delaware
Riva Portland LLC	30-0713071	Delaware
Rockall CLO B.V.	None	United Kingdom
Rockville Town Center LLC	54-2055778	Virginia
Somerset Special Opportunities Fund L.P.*	20-8856877	Delaware
South Pasco Properties LLC	20-3887968	Delaware
Ten Fan Pier Boulevard LLC	35-2553915	Delaware
Tower Square Capital Partners II, L.P.*	30-0336246	Delaware
Tower Square Capital Partners II-A, L.P.	32-0160190	Delaware
Tower Square Capital Partners III, L.P.	41-2280127	Delaware
Tower Square Capital Partners IIIA, L.P.	41-2280129	Delaware
Tower Square Capital Partners IV-A, L.P.	80-0920367	Delaware
West 46 th Street Hotel LLC	05-1590850	Delaware
Barings Affiliates & Funds:		
Barings Emerging Markets Debt Blended Total Return Fund	None	Ireland
Barings Emerging Markets Debt Short Duration Fund	None	Ireland
Barings Emerging Markets Sovereign Debt Fund	None	Ireland
Babson Capital Loan Strategies Master Fund LP	None	Cayman Islands
Barings Emerging Markets Debt Blended Total Return Fund	47-3758432	Massachusetts
Barings Emerging Markets Local Currency Debt Fund	47-3774453	Massachusetts
Barings Global High Yield Fund	47-3790192	Massachusetts
Baring Greater China Equity Fund	None	Hong Kong

PART 1 – ORGANIZATIONAL CHART

	Federal Tax ID	NAIC Co Code	State of Domicile
Barings Total Return Bond Fund	47-3734770		Massachusetts
Barings U.S. High Yield Fund	47-3801860		Massachusetts
Great Lakes II LLC*	71-1018134		Delaware
Somerset Special Opportunities Master Fund LP	None		Cayman Islands
Barings Real Estate Affiliates & Funds:			5
Wood Creek Venture Fund LLC	04-1590850		Delaware
50 Liberty LLC*	36-4823011		Delaware
One Harbor Shore LLC*	80-0948028		Delaware
Budapester Strasse LLC	81-4382111		Delaware
Calgary Railway Holding LLC*	82-2285211		Delaware
Combrook PRS Holdings LLC	82-3307907		Delaware
Cornerstone California Mortgage Fund I LLC	95-4207717		California
Cornerstone California Mortgage Fund II LLC	95-4207717		California
Cornerstone California Mortgage Fund III LLC	95-4207717		California
Cornerstone Fort Pierce Development LLC*	56-2630592		Delaware
Cornerstone Permanent Mortgage Fund	45-2632610		Massachusetts
Cornerstone Permanent Mortgage Fund II	61-1750537		Massachusetts
Cornerstone Permanent Mortgage Fund III	35-2531693		Massachusetts
Cornerstone Permanent Mortgage Fund IV	61-1793735		Massachusetts
CREA Madison Member LLC	81-0890084		Delaware
CCB Montford Park LLC*	82-1563809		Delaware
Danville Riverwalk Venture, LLC	82-2783393		Delaware
Fan Pier Development LLC*	20-3347091		Delaware
Farringdon London Holdings LLC*	46-3880526		Delaware
Johnston Groves LLC	20-4819358		Delaware
Landmark Manchester Holdings LLC	81-5360103		Delaware
NoHo West Venture LLC	83-0881588		Delaware
PACO France Logistics LLC	04-1590850		Delaware
PACO France Logistics 3 LLC	04-1590850		Delaware
Portland 400 Sixth Manager LLC	82-3393166		Delaware
Salomon Brothers Commercial Mortgage Trust 2001-MM	None		Delaware
Sawgrass Village Shopping Center LLC*	27-2977720		Delaware
Spain Avalon Holding LLC	04-1590850		Delaware
Three PW Office Holding LLC	81-5273574		Delaware
Twenty Two Liberty LLC*	35-2484550		Massachusetts
UK LIW Manager LLC	45-4606547		Delaware
UK LIW Member LLC	45-4606547		Delaware
Unna, Dortmund Holding LLC	82-3250684		Delaware
Via Ceresio Milan LLC	82-3281588		Delaware
Washington Gateway Apartments Venture LLC*	45-5401109		Delaware
Waterford Development Associates	20-2970495		Delaware

PART 1 – ORGANIZATIONAL CHART

	Federal Tax ID	NAIC Co Code	State of Domicile
Waterloo London Holdings LLC	47-1993493		Delaware
WeHo Domain LLC*	46-3122029		Delaware
Willowwood Lakeside Master LLC	81-1552222		Delaware
Ygnatio Valley Funding	20-5481477		Delaware
MassMutual Premier Funds:	20 5 101 177		Delaware
MassMutual Barings Dynamic Allocation Fund	45-3168892		Massachusetts
MassMutual Premier Focused International Fund	02-0754273		Massachusetts
MassMutual Premier Main Street Fund	51-0529328		Massachusetts
MassMutual Premier Strategic Emerging Markets Fund	26-3229251		Massachusetts
MassMutual Premier Value Fund	04-3277550		Massachusetts
MassMutual Select Funds:			
MassMutual Select Diversified International Fund	14-1980900		Massachusetts
MassMutual Select Diversified Value Fund	01-0821120		Massachusetts
MassMutual Select Fundamental Growth Fund	04-3512593		Massachusetts
MassMutual Select Large Cap Value Fund	04-3513019		Massachusetts
MassMutual Select Mid-Cap Value Fund	42-1710935		Massachusetts
MassMutual Select Small Capital Value Equity Fund	02-0769954		Massachusetts
MassMutual Select Small Company Value Fund	04-3584140		Massachusetts
MassMutual Select T. Rowe Price Retirement 2005 Fund	82-3347422		Massachusetts
MassMutual Select T. Rowe Price Retirement 2010 Fund	82-3355639		Massachusetts
MassMutual Select T. Rowe Price Retirement 2015 Fund	82-3382389		Massachusetts
MassMutual Select T. Rowe Price Retirement 2020 Fund	82-3396442		Massachusetts
MassMutual Select T. Rowe Price Retirement 2025 Fund	82-3417420		Massachusetts
MassMutual Select T. Rowe Price Retirement 2030 Fund	82-3430358		Massachusetts
MassMutual Select T. Rowe Price Retirement 2035 Fund	82-3439837		Massachusetts
MassMutual Select T. Rowe Price Retirement 2040 Fund	82-3451779		Massachusetts
MassMutual Select T. Rowe Price Retirement 2045 Fund	82-3472295		Massachusetts
MassMutual Select T. Rowe Price Retirement 2050 Fund	82-3481715		Massachusetts
MassMutual Select T. Rowe Price Retirement 2055 Fund	82-3502011		Massachusetts
MassMutual Select T. Rowe Price Retirement 2060 Fund	82-3525148		Massachusetts
MassMutual Select T. Rowe Price Retirement Balanced Fund	82-3533944		Massachusetts
MML Series Investment Funds:			
MML Series International Equity Fund	46-4257056		Massachusetts
MML Series Investment Funds II:			
MML Series II Asset Momentum Fund	47-3517233		Massachusetts
MML Series II Dynamic Bond Fund	47-3529636		Massachusetts
MML Series II Equity Rotation Fund	47-3544629		Massachusetts
MML Series II Special Situations Fund	47-3559064		Massachusetts
MassMutual RetireSMART Funds:			
MassMutual RetireSMART 2055 Fund	46-3289207		Massachusetts
MassMutual RetireSMART 2060 Fund	47-5326235		Massachusetts

PART 1 – ORGANIZATIONAL CHART

	Federal Tax ID	NAIC Co Code State of Domicile	
MassMutual RetireSMART Conservative Fund	45-1618155	Massachusetts	
MassMutual RetireSMART Growth Fund	45-1618222	Massachusetts	
MassMutual RetireSMART Moderate Fund	45-1618262	Massachusetts	
MassMutual RetireSMART Moderate Growth Fund	45-1618046	Massachusetts	
Oppenheimer Funds:			
OFI Pictet Global Environmental Solution Fund	81-5311583	Delaware	
Oppenheimer Developing Markets Fund	93-6305075	Delaware	
Oppenheimer Developing Markets Equity UCITS	None	Ireland	
Oppenheimer Emerging Markets Innovators UCITS	None	Ireland	
Oppenheimer Emerging Markets Local Debt UCITS	3440740DH	Ireland	
Oppenheimer Emerging Markets Revenue ETF	46-2984739	Delaware	
Oppenheimer Emerging Markets Ultra Dividend Revenue ETF	82-2237734	Delaware	
Oppenheimer ESG Revenue ETF	81-3492794	Delaware	
Oppenheimer Global ESG Revenue ETF	81-3480754	Delaware	
Oppenheimer Global Equity UCITS	None	Ireland	
Oppenheimer Global Multi-Asset Growth Fund	47-3676235	Delaware	
Oppenheimer Global Real Estate Fund	46-1604428	Delaware	
Oppenheimer Global Revenue ETF	81-5010075	Delaware	
Oppenheimer Global Value Equity UCITS	None	Ireland	
Oppenheimer Global Unconstrained Bond Fund	82-2693880	Delaware	
Oppenheimer International Revenue ETF	81-4969331	Delaware	
Oppenheimer International Ultra Dividend Revenue ETF	82-2271542	Delaware	
Oppenheimer Preferrred Securities & Income Fund	82-3462739	Delaware	
Oppenheimer Russell 2000 Dynamic Multifactor ETF	82-2794856	Delaware	
Oppenheimer Russell 1000 Momentum Factor ETF	82-2716323	Delaware	
Oppenheimer Russell 1000 Value Factor ETF	82-2759921	Delaware	
Oppenheimer Russell 1000 Low Volatility Factor ETF	82-2701797	Delaware	
Oppenheimer Russell 1000 Size Factor ETF	82-2740997	Delaware	
Oppenheimer Russell 1000 Quality Factor ETF	82-2732571	Delaware	
Oppenheimer Russell 1000 Yield Factor ETF	82-2768498	Delaware	
Oppenheimer SteelPath MLP & Energy Infrastructure Fund	82-2222426	Delaware	

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	L Baystate Life Ins Co		43-0581430				MML Bay State Life Insurance Company	CT	DS	C.M. Life Insurance Company	Ownership	100.000	MMLIC		
			06-1041383				CML Mezzanine Investor, LLC	DE	DS.	C.M. Life Insurance Company	Ownership				
0000			06-1041383				CML Mezzanine Investor L, LLC		DS	C.M. Life Insurance Company	Ownership	100.000	MMLIC		
0000			06-1041383				CML Mezzanine Investor III, LLC	DE	DS	C.M. Life Insurance Company	Ownership		MMLIC		
			00-1041303				CML Special Situations Investor LLC	DE	DS	C.M. Life Insurance Company	Ownership	100.000	MMLIC		
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							MML Special Situations Investor LLC	DE	DS	Company	Ownership		MMLIC	-	
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			47-5322979				Timberland Forest Holding LLC	DE	DS	Company	Ownership		MMLIC		
0000			47-5322979				Timberland Forest Holding LLC	DE	DS	C.M. Life Insurance Company	Ownership		MMLIC		
			47-5322979				Timberland Forest Holding LLC	DE	DS	Wood Creek Capital Management LLC	Management		MMLIC		
							Lyme Adirondack Forest Company, LLC	DE	DS	Timberland Forest Holding LLC	Ownership		MMLIC		
			20-5305426				Lyme Adirondack Timber Sales, Inc.	NY	DS	Timberland Forest Holding LLC	Ownership		MMLIC		
0000							Lyme Adirondack Timberlands I. LLC	DE	DS	Timberland Forest Holding LLC	Ownership	100.000	MMLIC		
0000							Lyme Adirondack Timberlands II. LLC	DE	DS.	Timberland Forest Holding LLC	Ownership.	100.000	MMLIC		
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			04-1590850				Berkshire Way LLC	DE	DS.	Company	Ownership		MMLIC		
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0000			26-4441097				WP-SC, LLC	DE	DS.	Company	Ownership		MMLIC		
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			27-1435692				Country Club Office Plaza LLC	DE	DS	Company	Ownership		MMLIC		
			27-1435692				Country Club Office Plaza LLC	DE	DS	C.M. Life Insurance Company	Ownership	11.900	MMLIC		
										Massachusetts Mutual Life Insurance					
							EM Opportunities LLC	DE	NI A	Company	Ownership		MMLIC		
										Massachusetts Mutual Life Insurance					
			04-1590850				Insurance Road LLC	DE	NI A	Company	Ownership		MMLIC		
			04-1590850				MassMutual Trad Private Equity LLC	DE	NI A	Insurance Road LLC	Ownership		MMLIC		
			04-1590850				MassMutual Intellectual Property LLC	DE	NI A	Insurance Road LLC	Ownership		MMLIC		
							Trad Investments LLC	DE	NI A	Insurance Road LLC	Ownership		MMLIC		
										Massachusetts Mutual Life Insurance					
			27-0105644				Jefferies Finance LLC	DE	NIA	Company	Ownership		MMLIC		
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							MassMutual Mortgage Lending LLC	DE	NIA	Company	Ownership	100.000	MMLIC		1
							Apex Credit Partners LLC	DE	NIA	Jefferies Finance LLC	Ownership	100.000			
							JFIN GP Adviser LLC		NIA	Jefferies Finance LLC	Ownership		MMLIC		
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0000							JFIN Revolver Fund, L.F.		NIA	Jefferies Finance LLC	Ownership		MMLTC		
							JFIN Fund III LLCJFIN Asset Management LLC	DE	NIA NIA	Jefferies Finance LLC	Ownership		MMLIC	-	
							JFIN Asset Management LLC						MMLIC		
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							JFAM GP LP	DE	NIA	JFIN Asset Management, LLC	Ownership		MMLIC		
							JFAM Loan Fund, LP	DE		JFIN Asset Management, LLC	Ownership		MMLIC		
							JFIN Revolver Holdings LLC	DE	NIA	Jefferies Finance LLC	Ownership		MMLIC		
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								DE			Management				
			04-1590850				MM Private Equity Intercontinental LLC	DE	NI A	MML Private Equity Fund Investor LLC	Ownership	100.000	MMLIC		

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										of Control	Control			
										(Ownership,	is		ls an	
					Name of Securi	ion		Relation-		Board.	Owner-		SCA	
						les	Danal)				
					Exchange		Domi-	ship		Management,	ship		Filing	
		NAIC			if Publicly Trad		ciliary	to		Attorney-in-Fact,	Provide		Re-	
Group		Company	ID	Federal	(U.S. or	Parent, Subsidiaries	Loca-	Reporting	Directly Controlled by	Influence,	Percen-	Ultimate Controlling	quired?	?
Code	Group Name	Code	Number	RSSD	CIK International	Or Affiliates	tion	Éntity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	(Y/N)	*
									Massachusetts Mutual Life Insurance	,				
			45-2738137			Pioneers Gate LLC	DE	DS	Company	Ownership	100.000	MMLIC		
			10 2100101						Massachusetts Mutual Life Insurance					
			04-2854319	2392316		MassMutual Holding LLC	DE	DS	Company	Ownership		MMLIC	v	
0000			06-1597528	2002010		MassMutual Assignment Company	NC	DS	MassMutual Holding LLC	Ownership	100.000	MMLIC		
			37-1732913			Fern Street LLC		DS	MassMutual Holding LLC	Ownership	100.000	MMLIC		
0000			62-0951563	1160004		First Mercantile Trust Company		DS	MassMutual Holding LLC	Ownership	100.000	MMLIC		
			46-2252944	1100004		Haven Life Insurance Agency, LLC		DS	MassMutual Holding LLC	Ownership	100.000			
0000			46-2252944 04-1590850			MassMutual Capital Partners LLC		DS DS	MassMutual Holding LLC	Ownership	100.000			
			04-1090000					DSDS	MassMutual Holding LLC	Ownership	100.000	MILIC		
						MassMutual Ventures Holding LLC						MMLIC		
0000						MassMutual Ventures Management LLC	DE	DS	MassMutual Holding LLC	Ownership	100.000			
0000						MassMutual Ventures SEA Management Private	25	20			100.000	100		
						Limited	DE	DS	MassMutual Holding LLC	Ownership		MMLIC		
						MassMutual Ventures Southeast Asia LLC	DE	DS	MassMutual Holding LLC	Ownership		MMLIC		
						MassMutual Ventures UK LLC	DE	DS	MassMutual Holding LLC	Ownership		MMLIC		
			47-1296410			MassMutual Ventures US I LLC	DE	DS	MassMutual Holding LLC	Ownership		MMLIC		
						MassMutual Ventures US II LLC	DE	DS	MassMutual Holding LLC	Ownership		MMLIC		
			04-1590850			MM Rothesay Holdco US LLC	DE	DS	MassMutual Holding LLC	Ownership		MMLIC		
			47-1466022			LifeScore Labs, LLC	MA	DS	MassMutual Holding LLC	Ownership		MMLIC		
			04-1590850			MML Investors Services, LLC	MA	DS	MassMutual Holding LLC	Ownership		MMLIC		
0000			04-1590850			MML Insurance Agency, LLC	MA	DS	MML Investors Services, LLC	Ownership		MMLIC		
			41-2011634			MMLISI Financial Alliances, LLC	DE	DS	MML Investors Services, LLC	Ownership		MMLIC		
			45-4000072			MM Asset Management Holding LLC	DE	DS	MassMutual Holding LLC	Ownership				
			51-0504477			Barings LLC		DS	MassMutual Asset Management Holding LLC	Ownership.		MMLIC		
						Baring Asset Management (Asia) Holdings			ů ů ů					
			98-0524271			Limited	HKG	DS	Barings LLC	Ownership	100,000	MMLIC		
						Baring International Fund Managers (Bermuda)			Baring Asset Management (Asia) Holdings					
0000			98-0457465			Limited	BMU	DS	Limited	Ownership	100,000	MMLIC		
									Baring Asset Management (Asia) Holdings					
0000			98-0457463			Baring Asset Management (Asia) Limited	HKG	DS	Limited	Ownership	100,000	MMLIC		
			00 0407400			Baring Asset Management Korea Limited		DS	Baring Asset Management (Asia) Limited	Ownership		MMLIC		
						Dai nig Asset management Norea Ennited			Baring Asset Management (Asia) Holdings	owner simp		LIC		
0000			98-0457707			Baring SICE (Taiwan) Limited		DS	Limited	Ownership		MMLIC		
			90-0457707			Dai ny sice (raiwan) Limiteu	! IIIX		Baring Asset Management (Asia) Holdings	owner simp				
0000			98-0236449			Designed to an Limited	IDAL	DS		0	100.000	MMLIC		
0000			30-0230449			Barings Japan Limited Baring Asset Management (Australia) Pty	JPN		Limited	Ownership				
0000			00 0457450				AL 10	DS	Baring Asset Management (Asia) Holdings	Ownership	100,000			
0000			98-0457456			Limited			Limited	Ownership		MMLIC		
						Barings Investment Advisors (Hong Kong)			Baring Asset Management (Asia) Holdings					
0000						Limited	HKG	DS	Limited	Ownership	100.000	MMLIC		
									Baring Asset Management (Asia) Holdings					
0000						Barings Australia Holding Company Pty Ltd		DS	Limited	Ownership		MMLIC		
0000			98-0457456			Barings Australia Pty Ltd		DS	Baring Australia Holding Company Pty Ltd	Ownership		MMLIC		
			80-0875475			Barings Finance LLC	DE	DS	Barings LLC	Ownership		MMLIC		
						BCF Europe Funding Limited	IRL	DS	Barings Finance LLC	Ownership		MMLIC		
						BCF Senior Funding LLC	DE	DS	Barings Finance LLC	Ownership		MMLIC		
0000			04-3238351			Barings Securities LLC	DE	DS	Barings LLC	Ownership		MMLIC		
			98-0437588			Barings Guernsey Limited	GGY	DS	Barings LLC	Ownership		MMLIC		
						Barings Europe Limited		DS	Barings Guernsey Limited	Ownership		MMLIC		
						Barings Real Estate UK Holdings Limited	DE	DS	Barings Europe Limited	Ownership	100.000	MMLIC		
					·	BREAE AIFM LLP	GBR	DS	Barings Real Estate UK Holdings Limited	Ownership		MMLIC		
				,		Barings Real Estate Advisers (Continental								
			98-0654401			Europe) Limited		DS.	Barings Real Estate UK Holdings Limited	Ownership	100.000	MMLIC		
			98-0654388			Barings Real Estate Advisers Europe LLP	GBR	DS	Barings Real Estate UK Holdings Limited	Ownership	100.000	MMLIC		
			JU-UUU+J00			Ibaringo near corare Auvisers Europe LLP	uun	Uo	Darmys hear Locare on norunnys Limited	omior 3111p				

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											(Ownership,	is		ls an	
						Name of Securities			Relation-		Board,	Owner-		SCA	
						Exchange		Domi-	ship		Management,	ship		Filing	
		NAIC				if Publicly Traded	Names of	ciliary	to		Attorney-in-Fact,	Provide		Re-	
Crown		-	ID	Federal		(U.S. or	Parent, Subsidiaries			Divestly Controlled by	Influence,		Liltimate Centrelling		
Group	0	Company		Federal	011/			Loca-	Reporting	Directly Controlled by		Percen-	Ultimate Controlling	quired?	
Code	Group Name	Code	Number	RSSD	CIK	International)	Or Affiliates	tion	Entity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	(Y/N)	Ŷ
							Barings Real Estate Advisers Europe Finance								
0000			98-0654412				LLP	GBR	DS	Barings Real Estate UK Holdings Limited	Ownership		MMLIC		
			98-1194368				Barings Real Estate Advisers GmbH	DEU	DS	Barings Real Estate UK Holdings Limited	Ownership	100.000	MMLIC		
			98-0241935				Baring Asset Management Limited	GBR	DS	MassMutual Holdings (Bermuda) Limited	Ownership		MMLIC		
			98-1012393				Barings Global Advisors Limited	GBR	DS	Baring Asset Management Limited	Ownership	100.000	MMLIC		
							BCGSS 2 GP LLP	GBR	DS	Baring Asset Management Limited	Ownership	100.000	MMLIC		
0000							Barings European Direct Lending 1 GP LLP	GBR	DS	Baring Asset Management Limited	Ownership	100.000	MMLIC		
0000			98-0457328				Baring International Investment Limited	GBR	DS.	Baring Asset Management Limited	Ownership.	100.000	MNLIC		
			50 0457020				Baring International Investment Management			bai nig Asset management Ennited	owner amp				
			98-0457587				Holdings	GBR	DS	Baring Asset Management Limited	Ownership		MMLIC		
			30-043/36/				nuturitys	udn	no		ownersinp				
0000			00.0453536					000	50	Baring International Investment Management		100,000	100 10		
0000			98-0457576				Baring Asset Management UK Holdings Limited .	GBR	DS	Holdings	Ownership	100.000	MMLIC		
									_	Baring Asset Management UK Holdings Limited					1
			98-0465031				Baring Asset Management GmbH	DEU	DS		Ownership	100.000	MMLIC		
							Baring International Fund Managers (Ireland)			Baring Asset Management UK Holdings Limited					
			98-0524272				Limited	IRL	DS.		Ownership	100.000	MMLIC		
										Baring Asset Management UK Holdings Limited					
0000							Baring Asset Management Switzerland Sàrl	CHE	DS	bar nig nooot management et noranige zim tea	Ownership	100.000	MMLIC		
							barning hooder managemente own tzer rand our r			Baring Asset Management UK Holdings Limited	omiter on p				
			98-0497550				Baring France SAS	FRA	DS	bai ng Asset management ok nordnigs Ennred	Ownership.	100.000	MMLIC		
			98-04975586					GBR	DS	Dening Accest New control Linited			MMLIC		
							Baring Fund Managers Limited			Baring Asset Management Limited	Ownership				
			98-0457574				Baring Pension Trustees Limited	GBR	DS	Baring Asset Management Limited	Ownership	100.000			
			98-0457578				Baring Investment Services Limited	GBR	DS	Baring Asset Management Limited	Ownership	100.000			
							Barings GPC GP S.à. r.l	LUX	DS	Baring Asset Management Limited	Ownership	100.000	MMLIC		
0000							Barings Investment Fund (LUX) GP S.à. r.I	LUX	DS	Baring Asset Management Limited	Ownership	100.000	MMLIC		
							Almack Mezzanine GP III Limited	GBR	DS	Baring Asset Management Limited	Ownership		MMLIC		
							Almack Holding Partnership GP Limited	GBR	DS	Baring Asset Management Limited	Ownership		MMLIC		
							Almack Mezzanine Fund Limited	GBR	DS	Baring Asset Management Limited	Ownership	_100.000	MMLIC		
							Almack Mezzanine Fund II Limited	GBR	DS	Baring Asset Management Limited	Ownership.	100.000	MMLIC		
0000			98-0432153				Barings (U.K.) Limited	GBR	DS	Barings Guernsey Limited	Ownership	100.000	MMLIC		
			50 0402 100				Barings Multifamily Capital Holdings LLC	DE	DS.	Barings LLC	Ownership	100.000	MMLIC		
0000								DE	DS DS	Barings LLC	Ownership	100.000	MMLIC		
							Barings Multifamily Capital LLC								
			04.0000054				Barings Multifamily Capital Corporation	DE	DS	Barings LLC	Ownership				
			04-3238351	3456895			Barings Real Estate Advisers Inc.	CA	DS	Barings Real Estate Advisers LLC	Ownership	100.000			
			04-1590850				MassMutual Baring Holding LLC	DE	DS	MassMutual Asset Management Holding LLC	Ownership	100.000			
0000							MassMutual Holdings (Bermuda) Limited	BMU	DS	MassMutual Baring Holding LLC	Ownership	100.000			
						1				Massachusetts Mutual Life Insurance			1		1
0000							Agspring Holdco, LLC	DE	NI A	Company	Ownership		MMLIC		
										Massachusetts Mutual Life Insurance					
			81-2244465				Chassis Acquisition Holding LLC	DE	NIA	Company	Ownership/Influence		MMLIC		
.0000			81-2244465				Chassis Acquisition Holding LLC	DE	NIA	Barings LLC	Influence		MMLIC		1
			51 LL 14400							Massachusetts Mutual Life Insurance					
			81-4258759			1	CPA Aircraft Holding LLC	DE	NIA		Ownership/Influence	40.000	MMLIC		1
			81-4258759				CRA Aircraft Holding LLC	DE DE	NIA NIA	Company	Influence				
0000			81-4258/59				CRA Aircraft Holding LLC	DE	NI A	Barings LLC	Influence		MMLIC		
										Massachusetts Mutual Life Insurance					
0000			83-0560183				Aland Royalty Holdings LP	DE	NI A	Company	Ownership		MMLIC		
0000			83-0560183				Aland Royalty Holdings LP	DE	NIA	Barings LLC	Management		. MMLIC		
										Massachusetts Mutual Life Insurance			1		
			46-2344300				Intermodal Holdings II LLC	DE	NIA	Company	Ownership	18.000	MMLIC		
			47-3055009				Milestone Acquisition Holding, LLC.	DE	NIA	MassMutual Holding LLC	Ownership/Influence		MMLIC		
							minostono Acquisition norunig, LEC.	···· UL		Massachusetts Mutual Life Insurance					
0000			47-3055009				Milestone Acquisition Helding 110	DE	NIA		Owporchin	0.000			
							Milestone Acquisition Holding, LLC.			Company	Ownership				
0000			47-3055009				Milestone Acquisition Holding, LLC.	DE	NIA	Barings LLC	Influence	<u></u>	MMLIC		

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Image: Concept and Company Description Present Name of Securities Exchange in the Ex	- Ultimate Controlling qu Entity(ies)/Person(s) (SCA Filing Re- juired?
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Coup Name of Securities Exchange (roup Name Name of Securities (Company Code Name of Securities (L3, or Management, Associated by Name Description (L3, or Management, Associated by Name Description (L1, or Management, Associated by Name Description (L1, or Management, Manageme	- Ultimate Controlling qu Entity(ies)/Person(s) (SCA Filing Re- juired?
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Group Name NAIC Code D Code Federal (U.S. (Name) If Publicly Taded (U.S. (Name) Names (Dec) Colar (Dec) Names (Dec) Directly Controlled by Names/Entity Attorney-in-Fact, Names/Entity Provide (Name) Provid	- Ultimate Controlling qu Entity(ies)/Person(s) (Re- uired?
Group Congram Congram Directly Controlled by Influence, Directly Influence, Directly Controlled by <td>- Ultimate Controlling qu Entity(ies)/Person(s) (</td> <td>uired?</td>	- Ultimate Controlling qu Entity(ies)/Person(s) (uired?
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000 46-56000 Red Lake Ventures, L.C. DE NN. Organy One-ship/Influence 31:500 ML 000 64-560000 81:405070 Red lake Ventures, L.C. DE NN. Brings LLC. Influence 10:00 ML 000 61:405070 Reington L. & Weldings LLC. C.C. NN. Brings LLC. C.C. NN. Brings LLC. Influence 66:300 ML 0000 C.C. NN. Brings LLC. C.C. NN. Brings LLC. Influence 17:70 ML 0000 C.C. NN. Brings LLC. D.C. NN. Brings LLC. Influence 17:70 ML 0000 C.C. NN. Brings LLC. D.C. NN. Brings LLC. Influence 17:70 ML 0000 C.C. S.N. Brings LLC. D.C. NN. Brings LLC. Influence 17:70 ML 0000 C.C. S.N. Brings LLC. D.C. NN. Brings LLC		
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D000 Facktree Aquisition, LLC DE NA.A Barings LLC Influence. Mull 0000 20-567045 Si Pharaceutical Holdings I, LLC DE NA.A Barings LLC Namagement. Mull 0000 20-567045 Si Pharaceutical Holdings II, LLC DE NA.A Congany Management. Mull 0000 20-567045 Si Pharaceutical Holdings II, LLC DE NA.A Congany Influence 42.600 Mull. 0000 20-567045 So ar Aquisition Holding, LLC DE NA.A Congany Influence 42.600 Mull. 0000 20-567045 So ar Aquisition Holding, LLC DE NA.A Barings LLC Influence 42.000 Mull. 0000 20-567045 So ar Aquisition Holding, LLC DE NA.A Barings LLC Dearchip/Influence 42.000 Mull. 0000 20-567045 So ar Aquisition Holding, LLC DE NA.A Barings LLC Dearchip/Influence 42.000 Mull. 0000 20-567045 So ar Aquisition Holding, LLC DE <	MMLIC	
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						Exchange		Domi-	ship		Management,	ship		Filing	
		NAIC				if Publicly Traded	Names of	ciliary	to		Attorney-in-Fact,	Provide		Re-	
Group		Company	ID	Federal		(U.S. or	Parent, Subsidiaries	Loca-	Reporting	Directly Controlled by	Influence.	Percen-	Ultimate Controlling	quired?	2
Code	Group Name	Code	Number	RSSD	CIK	International)	Or Affiliates	tion	Entity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	(Y/N)	*
	Gloup Name	Code	Number	nood	UK	International)					•••••			(1/1)	
							Lake Jackson LLC	DE	DS	Barings LLC	Ownership		MMLIC		
			04-1590850				Loan Strategies Management LLC	DE	DS	Barings LLC	Ownership		MMLIC		
			04-1590850				Mezzco LLC	DE		Barings LLC	Ownership		MMLIC		
			02-0767001				Mezzco II LLC	DE		Barings LLC	Ownership		MMLIC		
			41-2280126				Mezzco III LLC	DE	DS	Barings LLC	Ownership	99.300	MMLIC		
			80-0920285				Mezzco IV LLC	DE	DS.	Barings LLC	Ownership	.99.300	MMLIC		
0000			90-0666326				Mezzco Australia LLC	DE	DS	Barings LLC	Ownership	72.000	MMLIC		
. 0000							Mezzco Australia II LLC	DE	DS.	Barings LLC	Ownership.	100.000	MMLIC		
0000							RECSA-NY GP LLC	DE		Barings LLC	Ownership	100.000	MMLIC		
							Somerset Special Opportunities Management LLC								
			04-1590850				ounorset opecial opportunities management LLC	DE	DS	Barings LLC	Ownership	_100.000	MMLIC		
				2007101			Orrenheimen Arminitien Orr								
			84-1149206	2897101			Oppenheimer Acquisition Corp.	DE	DS	MassMutual Asset Management Holding LLC	Ownership		MMLIC		
			13-2527171	. 2679183			OppenheimerFunds, Inc.	CO	DS	Oppenheimer Acquisition Corp	Ownership		MMLIC		
			13-2953455				OppenheimerFunds Distributor, Inc	NY	DS	OppenheimerFunds, Inc	Ownership		MMLIC		
			84-1106295				Oppenheimer Real Asset Management, Inc	DE	DS	OppenheimerFunds, Inc	Ownership		MMLIC		
			13-4160541	3458125			OFI Global Institutional, Inc.	NY	DS	OppenheimerFunds, Inc.	Ownership		MMLIC		
			22-2697140				HarbourView Asset Management Corporation	NY	DS.	OFI Institutional Asset Management, Inc	Ownership		MMLIC		
0000							OC Private Capital, LLC	DE	DS	OFI Institutional Asset Management, Inc.	Ownership.	51.000	MMLIC		
			13-3459790	2914875			OFI Global Trust Company	NY	DS	OFI Institutional Asset Management, Inc	Ownership	100.000	MMLIC		
0000			10 0100100	2011010			OFI International, Ltd.	GBR		OFI Institutional Asset Management, Inc.	Ownership	100.000	MILIC		
							SNW Asset Management Corporation	DE	DS	OFI Institutional Asset Management, Inc	Ownership		MMLIC		
			60-2233720				Seattle Northwest Asset Management LLC	VE	DS.		Ownership Ownership	100.000			
			25-1951632							OFI Institutional Asset Management, Inc			MMETC		
							Trinity Investment Management Corporation	PA	DS	OFI Institutional Asset Management, Inc	Ownership				
			84-1128397				OFI SteelPath, Inc.	DE	DS	OppenheimerFunds, Inc.	Ownership		MMLIC		
			84-1066811				Shareholder Services, Inc	C0	DS	OppenheimerFunds, Inc	Ownership		MMLIC		
							OFI Advisors , LLC	DE	DS	OppenheimerFunds, Inc	Ownership		MMLIC		
							Index Management Solutions, LLC	PA	DS	OppenheimerFunds, Inc	Ownership	100.000	MMLIC		
			84-0765063				OFI Global Asset Management, Inc.	DE	DS	OppenheimerFunds, Inc.	Ownership		MMLIC		
			91-2036414				OFI Private Investments Inc.	NY	DS.	OppenheimerFunds, Inc.	Ownership		MMLIC		
0000			62-1210532				Tremont Group Holdings, LLC	NY	DS	Oppenheimer Acquisition Corp.	Ownership	100.000	MMLIC		
. 0000			06-1121864				Tremont Partners, LLC	CT	DS.	Tremont Group Holdings, Inc.	Ownership.	100.000	MMLIC		
0000			20-8215352				Tremont GP, LLC	DE	DS.	Tremont Group Holdings, Inc.	Ownership	100.000	MMLIC		
			90-0874510				Settlement Agent. LLC	DE	DS.	Tremont GP	Ownership	100.000	MMLIC		
0000			JU-0014010				Tremont (Bermuda) Limited	BMU	DS	Tremont Group Holdings, Inc.	Ownership Ownership	100.000	MMLIC		
										Massachusetts Mutual Life Insurance					
0000			04-3313782				MaanWeters Internation-1.110	DE	DO		Ownership	100,000	MMLIC	v	
			04-3313/82				MassMutual International LLC		DS	Company	Ownership	100.000		······ ^Y ······	
							MassMutual Asia Limited	HKG	DS	MassMutual International LLC	Ownership		MMLIC		
							MassMutual Asia Investors Ltd	HKG	DS	MassMutual Asia Limited	Ownership	100.000	MMLIC		
							MassMutual Guardian Limited	HKG	DS	MassMutual Asia Limited	Ownership		MMLIC		
							MassMutual Insurance Consultants Limited	HKG	DS	MassMutual Asia Limited	Ownership		MMLIC		
							MassMutual Services Limited	HKG	DS	MassMutual Asia Limited	Ownership		MMLIC		
							MassMutual Trustees Limited	HKG	DS	MassMutual Asia Limited	Ownership		MMLIC		
0000			98-0610331				Protective Capital (International) Limited	HKG	DS	MassMutual Asia Limited	Ownership	100.000	MILIC		
			98-1033127				MassMutual Internacional (Chile) SpA	CHL	DS.	MassMutual International LLC	Ownership	100.000	MMLIC		
0000			00 1000 IE/				MassMutual Life Insurance Company	JPN	DS	MassMutual International LLC	Ownership.	100.000	MMLIC		
							יייייייייייייייייייייייייייייייייייייי			Massachusetts Mutual Life Insurance	omiorantp				
0000			04-2443240				MML Management Corporation	MA	DS	Company	Ownership	100.000	MMLIC	v	
			04-2443240 04-3548444											¹	
							MassMutual International Holding MSC, Inc	MA	DS	MML Management Corporation	Ownership		MMLIC		
			04-3341767				MassMutual Holding MSC, Inc	MA	DS	MML Management Corporation	Ownership	100.000	MMLIC		
									_	Massachusetts Mutual Life Insurance					
			04-1590850				MML Mezzanine Investor II, LLC	DE	DS	Company	Ownership		MMLIC		
1			1					1		Massachusetts Mutual Life Insurance				1	
			04-1590850				MML Mezzanine Investor III, LLC	DE	DS	Company	Ownership	100.000	MMLIC		

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						Name of Securities			Relation-		Board,	Owner-		SCA	
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						Exchange		-	ship		Management,	ship		3	
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Group		Company	ID	Federal		(U.S. or	Parent, Subsidiaries	Loca-	Reporting	Directly Controlled by	Influence,	Percen-	Ultimate Controlling	quired?	
Code	Group Name	Code	Number	RSSD	CIK	International)	Or Affiliates	tion	Entity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	(Y/N)	*
	·									Massachusetts Mutual Life Insurance					1
			27-3576835				MassMutual External Benefits Group LLC	DE	DS	Company	Ownership	100.000	MMLIC		
										Massachusetts Mutual Life Insurance					
0000			20-8730751				Cornerstone Global REIT Corporation	DE	DS	Company	Ownership	100.000	MMLIC		
										Massachusetts Mutual Life Insurance					
0000			04-1590850				100 w. 3rd Street LLC	DE	NIA	Company	Ownership	100.000	MMLIC		
										Massachusetts Mutual Life Insurance					
0000			82-2432216				300 South Tryon Hotel LLC	DE	NIA	Company	Ownership	100.000	MMLIC		
			02 2:022:0							Massachusetts Mutual Life Insurance					
			04-1590850				300 South Tryon LLC	DE	NIA	Company	Ownership	100.000	MMLIC		
										Massachusetts Mutual Life Insurance					
0000			20-3887968				54 West Capital LLC	DE	NIA	Company	Ownership	100.000	MMLIC	1	
			20 0001000							Massachusetts Mutual Life Insurance	owner on p				
0000							Almack Mezzanine Fund I LP	GBR	NIA	Company	Ownership/Influence	41.400	MMLIC		
							Almack Mezzanine Fund I LP	GBR	NIA	C.M. Life Insurance Company	Ownership		- MMLIC		
0000							ATTINAUN MEZZATTITE FUTU I LE		NIA	Massachusetts Mutual Life Insurance	Ominci SIII P				1
							Alexal Managerian Frend II, University of I.B.	GBR	NIA		Ownership/Influence		MMLIC		
							Almack Mezzanine Fund II Unleveraged LP	UBH	NIA	Company Massachusetts Mutual Life Insurance	Uwnership/influence				
0000								000				04.000	188.10		
0000							Almack Mezzanine Fund III LP	GBR	NI A	Company	Ownership/Influence		MMLIC		
0000							Almack Mezzanine Fund III LP	GBR	NI A	C.M. Life Insurance Company	Ownership		. MMLIC		
0000							Almack Mezzanine Fund III LP	GBR	NI A	Barings (U.K.) Limitied	Management		MMLIC		
										Massachusetts Mutual Life Insurance					
			36-4868350				Barings Asset-Based Income Fund (US) LP	DE	NI A	Company	Ownership/Influence				
0000			36-4868350				Barings Asset-Based Income Fund (US) LP	DE	NI A	Barings LLC	Management		MMLIC		
							Barings Emerging Markets Corporate Bond Fund			Massachusetts Mutual Life Insurance					
								IRL	NI A	Company	Ownership/Influence		MMLIC		
							Barings Emerging Markets Corporate Bond Fund								
								IRL	NI A	Barings LLC	Management		MMLIC		
							Barings Global Special Situations Credit Fund			Massachusetts Mutual Life Insurance					
							1	IRL	NI A	Company	Ownership/Influence		MMLIC		
							Barings Global Special Situations Credit Fund								
							1	IRL	NIA	Barings LLC	Management		MMLIC		
							Babson Capital Global Special Situation			Massachusetts Mutual Life Insurance		1			
			98-1206017				Credit Fund 2	DE	NIA	Company	Ownership/Influence	23.700	MMLIC		
							Babson Capital Global Special Situation					1			
	l		98-1206017				Credit Fund 2	DE	NIA	C.M. Life Insurance Company	Ownership	1.500	MMLIC		
							Babson Capital Global Special Situation				-		1	1	
0000			98-1206017				Credit Fund 2	DE	NI A	Barings LLC	Management		MMLIC	[
										Massachusetts Mutual Life Insurance					
			37-1506417				Babson Capital Loan Strategies Fund, L.P	DE	NIA	Company	Ownership/Influence		MMLIC		
0000			37-1506417				Babson Capital Loan Strategies Fund, L.P	DE	NIA	C.M. Life Insurance Company	Ownership	3.700	MMLIC		T
0000			37-1506417				Babson Capital Loan Strategies Fund, L.P	DE		Barings LLC	Management		MMLIC	[
							Sasson supriar Louis offatogroo Fulla, E.I			Massachusetts Mutual Life Insurance		-1	······································		1
							Barings US High Yield Bond Fund	IRL	NIA	Company	Ownership/Influence		MMLIC		
0000							Barings US High Yield Bond Fund	IRL	NIA	C.M. Life Insurance Company	Ownership	10.300	MMLIC	[
0000							Barings US High Yield Bond Fund	IRL	NIA	Barings LLC	Management			[
0000							Babson CLO Ltd. 2013-1	CYM	NIA	Barings LLC Barings LLC	Influence		MMLIC	[3
0000								CYM	NIA	Barings LLC Barings LLC	Influence			[3 2
							Babson CLO Ltd. 2014-1	CYM CYM		Barings LLC Barings LLC	Influence	+	MMLIC		
							Babson CLO Ltd. 2014-11							[
							Babson CLO Ltd. 2015-1	CYM		Barings LLC	Influence	-+			5
							Babson CLO Ltd. 2015-II	CYM	NI A	Barings LLC	Influence			[
							Babson CLO Ltd. 2016-1	CYM	NI A	Barings LLC	Influence				
							Babson CLO Ltd. 2016-II	CYM		Barings LLC	Influence		. MMLIC		
							Barings CLO Ltd. 2017-I	CYM	NI A	Barings LLC	Influence		MLIC	<u></u>	

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						Exchange		Domi-	ship		Management,	ship		Filing	
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Group		Company	ID	Federal		(U.S. or	Parent, Subsidiaries	Loca-	Reporting	Directly Controlled by	Influence,	Percen-	Ultimate Controlling	quired?	,
Code	Group Name	Code	Number	RSSD	CIK	International)	Or Affiliates	tion	Entity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	(Y/N)	*
	Group Name	Code	Number	n33D	UIK	international)				(44 .	laye		(1/N)	
							Babson Euro CLO 2014-I BV	NLD	NIA	Barings LLC	Influence		MMLIC		
0000							Babson Euro CLO 2014-II BV	NLD		Barings LLC	Influence		MMLIC		
							Babson Euro CLO 2015-1 BV	NLD		Barings LLC	Influence		MMLIC		
							Babson Euro CLO 2016-1 BV	NLD	NI A	Barings LLC	Influence		MMLIC		
0000							Barings Euro Equity Income Fund	HKG	NIA	Baring Asset Management Limited	Ownership/Influence		MMLIC		
										Massachusetts Mutual Life Insurance					
			81-0841854				Barings CLO Investment Partners LP	DE	NIA	Company	Ownership/Influence		MMLIC		
			81-0841854				Barings CLO Investment Partners LP	DE	NIA	Barings LLC	Management		MMLIC		
							Barings Real Estate European Value Add I SCSp			Massachusetts Mutual Life Insurance	°				
.0000								GBR	NIA	Company	Ownership/Influence	90,400	MMLIC		
							Barings Real Estate European Value Add I SCSp					1			
.0000					1		Sallinge hear Estate Earopean faras Add 1 000p	GBR	NIA	C.M. Life Insurance Company	Ownership	9,600	MMLIC		
							Barings Real Estate European Value Add I SCSp			o.m. Erro moutance company	omorantp				
0000			1	1			Darmys near Estate European value Add I SUSp	GBR	NIA	Paringe LLC	Managamant	1	MMLIC		
0000									NIA	Barings LLC	_ Management		MML10		
										Massachusetts Mutual Life Insurance					
0000			11-3789446				Baring Focused EAFE Equity Fund	DE	NI A	Company	Ownership/Influence		MMLIC		
0000			. 11-3789446				Baring Focused EAFE Equity Fund	DE	NI A	Baring Asset Management Limited	Management		MMLIC		
							Barings Global Energy Infrastructure Fund I			Massachusetts Mutual Life Insurance					
0000			98-1332384				LP	CYM	NI A	Company	Ownership/Influence		MMLIC		
							Barings Global Energy Infrastructure Fund I								
0000			98-1332384				LP	CYM	NIA	Baring Asset Management Limited	Management		MMLIC		
							-			Massachusetts Mutual Life Insurance					
							Barings Global Private Loan Fund	LUX	NIA	Company	Ownership/Influence		MMLIC		
0000							Barings Global Private Loan Fund	LUX	NIA	Barings LLC	Management		MMLIC		
							barnigs crobar rervate Ebair rund			Massachusetts Mutual Life Insurance	management				
0000			82-3867745				Barings Global Real Assets Fund LP	DE	NIA	Company	Ownership/Influence	48,300	MMLIC		
			82-3867745				Barings Global Real Assets Fund LP	DE	NIA	C.M. Life Insurance Company			MMLIC		
											Ownership				
0000			82-3867745				Barings Global Real Assets Fund LP	DE	NI A	Barings LLC	_ Management		MMLIC		
							Barings Global Special Situations Credit Fund			Massachusetts Mutual Life Insurance					
0000							3	IRL	NIA	Company	Ownership/Influence		MMLIC		
							Barings Global Special Situations Credit Fund								
							3	IRL		Barings LLC	_ Management		MMLIC		
0000							Barings Middle Market CLO 2017-I Ltd & LLC	CYM	NI A	Barings LLC	Influence		MMLIC		
					1					Massachusetts Mutual Life Insurance				1	
			38-4010344				Barings North American Private Loan Fund LP .	DE	NI A	Company	Ownership/Influence		MMLIC		
0000			38-4010344				Barings North American Private Loan Fund LP	DE	NI A	Baring Asset Management Limited	Management	1	MMLIC		
			1	1					[Massachusetts Mutual Life Insurance		1	1		
			98-1332384		1		Barings RE Credit Strategies VII LP	DE	NIA	Company	Ownership/Influence		MMLIC	1	
			98-1332384				Barings RE Credit Strategies VII LP	DE		Baring Asset Management Limited	Management		MMLIC		
							Dar mys me vieure strategres vir LP		NI A	Massachusetts Mutual Life Insurance	manayenent.				
0000			00 4140700		1		Design International Orall On Easth East	DE	NU A		Orecesti (Influence	29,400	188.10	1	
0000			. 26-4142796				Baring International Small Cap Equity Fund	DE	NIA	Company	Ownership/Influence		MMLIC		
0000			. 26-4142796				Baring International Small Cap Equity Fund	DE	NI A	Baring Asset Management Limited	Management		MMLIC		
			1	1						Massachusetts Mutual Life Insurance		1			
0000			-				Braemar Energy Ventures I, L.P	DE	NI A	Company	Ownership/Influence		MMLIC		
0000							Braemar Energy Ventures I, L.P.	DE	NI A	C.M. Life Insurance Company	Ownership		MMLIC		
0000							Braemar Energy Ventures I, L.P.	DE	NI A	Barings LLC	Management		MMLIC		
							Barings European Core Property Fund SCSp	LUX	NI A	MassMutual Holding LLC	Ownership/Influence		MMLIC		
							Barings European Core Property Fund SCSp	LUX	NIA	C.M. Life Insurance Company	Ownership	1.100	MMLIC		
							Barings European Core Property Fund SCSp	LUX		Barings Real Estate Advisers LLC	Management	1	MMLIC		
			38-4059932				Benchmark 2018-B2 Mortgage Trust	NY		Barings LLC	Influence		MMLIC		
			27-1701622				Cornerstone Core Mortgage Venture I LP	DE	NIA	MassMutual Holding LLC	Ownership/Influence	50.000	MMLIC		
			27-1701622					DE					MILIC		
			1/1-1/11/02/2	1	1		Cornerstone Core Mortgage Venture LP	UE	NI A	Barings Real Estate Advisers LLC	Management		MMLIU		
										Manager and the Manager of the second s					
			45-3751572				Cornerstone Enhanced Mortgage Fund I LP	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership/Influence	2.800	MILIC		

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					Name of Securities			Relation-		Board,	Owner-		SCA	
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					Exchange		Domi-	ship		Management,	ship		Filing	
		NAIC			if Publicly Traded	Names of	ciliary	to		Attorney-in-Fact,	Provide		Re-	
Group		Company	ID	Federal	(U.S. or	Parent, Subsidiaries	Loca-	Reporting	Directly Controlled by	Influence,	Percen-	Ultimate Controlling	quired?	·
Code	Group Name	Code	Number	RSSD	CIK International)	Or Affiliates	tion	Éntity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	(Y/N)	*
0000			45-3751572			Cornerstone Enhanced Mortgage Fund I LP	DE	NIA	Barings Real Estate Advisers LLC	Management	10.90	MILIC	(1).17	
						_ Cornerstone Enhanced wortgage Fund F Er			Massachusetts Mutual Life Insurance					
0000			20-8730751			Cornerstone Global Real Estate LP	DE	NIA	Company	Ownership/Influence	92.300	MMLIC		
								NIA						
0000			20-8730751			Cornerstone Global Real Estate LP	DE		C.M. Life Insurance Company	Ownership				
0000			20-8730751			Cornerstone Global Real Estate LP	DE	NIA	Barings Real Estate Advisers LLC	Management		_ MMLIC		
									Massachusetts Mutual Life Insurance					
			36-4770946			Cornerstone High Yield Venture LP	DE	NIA	Company	Ownership/Influence		MMLIC		
0000			36-4770946			Cornerstone High Yield Venture LP	DE	NI A	Barings Real Estate Advisers LLC	Management		_ MMLIC		
			20-5578089			Barings Core Property Fund LP	DE	NIA	MassMutual Holding LLC	Ownership/Influence		MMLIC		
			20-5578089			Barings Core Property Fund LP	DE	NI A	Barings Real Estate Advisers LLC	Management		MMLIC		
						÷ · · · · · · · · · · · · · · · · · · ·			Massachusetts Mutual Life Insurance					
0000			46-5432619			Cornerstone Real Estate Fund X LP	DE	NIA	Company	Ownership/Influence		MMLIC		1
			46-5432619			Cornerstone Real Estate Fund X LP	DE	NIA	C.M. Life Insurance Company	Ownership.		MMLIC		
0000			46-5432619			Cornerstone Real Estate Fund X LP	DE		Barings Real Estate Advisers LLC		2.000	MILIC		
			40-0402019			_ COTTIETSTOTIE REAT ESTATE FUTU A LF	UE	NIA		Management		. mmL10		
0000			05 0504000						Massachusetts Mutual Life Insurance	o 1. / /	00.000	184 10		
0000			35-2531693			_ Cornerstone Permanent Mortgage Fund III LLC _	MA	NI A	Company	Ownership/Influence				
			35-2531693			. Cornerstone Permanent Mortgage Fund III LLC .	MA	NI A	Barings Real Estate Advisers LLC	Management		. MMLIC		
									Massachusetts Mutual Life Insurance					
0000			46-5437441			Barings/LAZ Parking Fund LP	DE	NI A	Company	Ownership/Influence		MMLIC		
			46-5437441			Barings/LAZ Parking Fund LP	DE	NIA	Barings Real Estate Advisers LLC	Management		_ MMLIC		
				4007502		Duchess VII CLO B.V.	GBR	NIA	Barings LLC	Influence		MMLIC		
									Massachusetts Mutual Life Insurance					
			20-3887968			E-Wise Land Venture LLC	DE	NIA	Company	Ownership	100.000	MMLIC		
			20 0001000						Massachusetts Mutual Life Insurance	owner on p				
			80-0691253			Gateway Mezzanine Partners I, L.P.	DE	NIA	Company	Ownership/Influence		MMLIC		
			00-0091200			. Galeway wezzaille Faillers I, L.F.	UE	NI A	Massachusetts Mutual Life Insurance	ownership/inituence				
			90-0991195			Gateway Mezzanine Partners II LP	DE	NIA		o 1. / /	05 400	MMLIC		
									Company	Ownership/Influence				
0000			90-0991195			Gateway Mezzanine Partners II LP	DE	NIA	C.M. Life Insurance Company	Ownership		. MMLIC		
0000			90-0991195			Gateway Mezzanine Partners II LP	DE	NI A	Barings LLC	Management		. MMLIC		
									Massachusetts Mutual Life Insurance					
			37-1708623			. Great Lakes III, L.P	DE DE	NI A	Company	Ownership/Influence				
0000			37-1708623			Great Lakes III, L.P.	DE	NI A	Barings LLC	Management		_ MMLIC		
									Massachusetts Mutual Life Insurance					
			04-1590850			Gillem GA Industrial LLC	DE	NIA	Company	Ownership	100.000	MMLIC		
						JPMCC Commercial Mortgage Securities Trust								1
			38-4041011			2017–JP7	NY	NIA	Barings LLC	Management.	l	MMLIC		
						JPMDB Commercial Mortgage Securities Trust								
			38-4032059			2017-C5	NY.	NIA	Barings LLC	Management		MMLIC		1
			00 4002000						Massachusetts Mutual Life Insurance	munugomoti t	1		-	
			20-3887968			Kazwell Realty Partners LLC	DE	NIA	Company	Ownership	100.000	MMLIC		1
			20-300/900			Azwerr Rearry Partners LLC	VE	NIA	Massachusetts Mutual Life Insurance	Owner snip				
0000			00 4540504				DE			o 1. / /	400,000	184 10		
0000			82-1512591			KKR-MM Vector LP	DE	NI A	Company	Ownership/Influence		_ MMLIC		
									Massachusetts Mutual Life Insurance					
			46-4255307			. Marco Hotel LLC	DE	NI A	Company	Ownership		. MMLIC		
									Massachusetts Mutual Life Insurance					
0000			81-3000420			MM Debt Participations LLC	DE	NI A	Company	Ownership/Influence		MMLIC		
			81-3000420			MM Debt Participations LLC	DE	NIA	Barings LLC	Management				
									Massachusetts Mutual Life Insurance		1			1
0000			20-3887968			Oakley Grove Development LLC	DE	NIA	Company	Ownership	100.000	MMLIC		1
									Massachusetts Mutual Life Insurance			1		1
0000			20-3887968			Old Pasco Properties LLC	DE	NIA	Company	Ownership.	100.000	MMLIC		
			20-000/800					N/A		omiorally				
0000			00 4414007			DB Assertments LLC	DE	NU A	Massachusetts Mutual Life Insurance	Ownership	100,000			1
0000			82-4411267			_ RB Apartments LLC	U	NIA	Company	Ownership	100.000	MMLIC		

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						Name of Securities			Relation-		Board.	Owner-		SCA	
						Exchange		Domi-	ship		Management,	ship		Filing	
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0			15					ciliary	to		Attorney-in-Fact,				
Group	- ··	Company	ID	Federal		(U.S. or	Parent, Subsidiaries	Loca-	Reporting	Directly Controlled by	Influence,	Percen-	Ultimate Controlling	quired?	<i>.</i>
Code	Group Name	Code	Number	RSSD	CIK	International)	Or Affiliates	tion	Entity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	(Y/N)	*
										Massachusetts Mutual Life Insurance					
0000			75-2901061				Reston Arboretum LLC	DE	NI A	Company	Ownership		MMLIC		
										Massachusetts Mutual Life Insurance					
0000			30-0713071				Riva Portland LLC	DE	NI A	Company	Ownership		MMLIC		
							Rockall CLO B.V.	GBR	NIA	Barings LLC	Influence		_ MMLIC		
										Massachusetts Mutual Life Insurance					
			54-2055778				Rockville Town Center LLC	VA	NIA	Company	Ownership	100.000	MMLIC		
										Massachusetts Mutual Life Insurance	-				
			20-8856877				Somerset Special Opportunities Fund L.P	DE	NI A	Company	Ownership/Influence		MMLIC		
			20-8856877				Somerset Special Opportunities Fund L.P	DE	NI A	C.M. Life Insurance Company	Ownership		MMLIC		
										Massachusetts Mutual Life Insurance					
			20-3887968				South Pasco Properties LLC	DE	NIA	Company	Ownership		MMLIC		
										Massachusetts Mutual Life Insurance					
			35-2553915				Ten Fan Pier Boulevard LLC	DE	NIA	Company	Ownership	100.000	MMLIC		
										Massachusetts Mutual Life Insurance					
0000			30-0336246				Tower Square Capital Partners II, L.P.	DE	NIA	Company	Ownership/Influence		MMLIC		
			30-0336246				Tower Square Capital Partners II, L.P.		NIA	C.M. Life Insurance Company	Ownership		MMLIC		
			30-0330240				Tower Square capital faithers II, E.I	···· ···· ··· ··· ··· ··· ··· ··· ···		Massachusetts Mutual Life Insurance	owner simp				
			32-0160190				Tower Square Capital Partners II-A, L.P	DE	NI A	Company	Ownership/Influence		MMLIC		
			41-2280127				Tower Square Capital Partners III, L.P	DE	NIA	Barings LLC	Management		MIC		
			41-2200127				Tower Square Capital Partners III, L.P		NIA	Massachusetts Mutual Life Insurance	management				
0000			41-2280127				Tower Square Capital Partners III, L.P.	DE	NIA	Company	Ownership/Influence	0.000	MMLIC		
0000			41-2280127				Tower Square Capital Partners III, L.P		NIA	MassMutual Holding LLC	Ownership/Influence		MMLIC		
			41-2280127				lower Square Capital Partners III, L.P		NIA	Massachusetts Mutual Life Insurance	Ownership/Influence				
			41-2280129				Tower Square Capital Partners IIIA, L.P	DE	NIA		Ownership/Influence	.96.200	MMLIC		
			41-2280129				Tower Square Capital Partners IIIA, L.P Tower Square Capital Partners IIIA, L.P		NIA NIA	Company Barings LLC					
			41-2280129				iower Square Capital Partners IIIA, L.P		NIA	Massachusetts Mutual Life Insurance	Management		MMLIC		
0000			80-0920367				Terrer Original Destance IV A. J. D.	DE	ALL A		O manaki (Influence	01 000	MMLIC		
			80-0920367				Tower Square Capital Partners IV-A, L.P	DE	NIA	Company	Ownership/Influence				
0000			04 4500050				w + 400 01 - 1 11 4 1 11 0	DE		Massachusetts Mutual Life Insurance	a 1.	100,000	184 10		
			04-1590850				West 46th Street Hotel LLC	DE	NIA	Company	Ownership		MMLIC		
0000							Barings Emerging Markets Debt Blended Total						100		
							Return Fund	IRL	NIA	Barings LLC	Management		_ MMLIC		
							Barings Emerging Markets Debt Short Duratio						184 10		
							Fund	IRL	NIA	Barings LLC	Management		MMLIC		
0000		1					Barings Emerging Markets Sovereign Debt Fun						100		
0000								IRL	NIA	Barings LLC	Management		_ MMLIC		
		1					Babson Capital Loan Strategies Master Fund								
0000								CYM	NI A	Barings LLC	Management		_ MMLIC		
							Barings Emerging Markets Debt Blended Total								
0000			47-3758432				Return Fund	MA	NI A	Barings LLC	Management		_ MMLIC		
							Barings Emerging Markets Local Currency Deb								
0000			47-3774453				Fund	MA	NI A	Barings LLC	Management		. MMLIC		
0000			47-3790192				Barings Global High Yield Fund	MA	NI A	Barings LLC	Management		. MMLIC		
0000							Baring Greater China Equity Fund	HKG	NI A	Baring Asset Management Limited	Management		. MMLIC		
0000			47-3734770				Barings Total Return Bond Fund	MA	NI A	Barings LLC	Management		. MMLIC		
0000			47-3801860				Barings U.S. High Yield Fund	MA	NI A	Barings LLC	Management		. MMLIC		
		1								Massachusetts Mutual Life Insurance					
0000			71-1018134				Great Lakes LLC	DE	NI A	Company	Ownership		MMLIC		
0000			71-1018134				Great Lakes II LLC	DE	NI A	C.M. Life Insurance Company	Ownership	1.000	MMLIC		
		1					Somerset Special Opportunities Master Fund								
							LP	CYM	NIA	Barings LLC	Management		_ MMLIC		
		1								Massachusetts Mutual Life Insurance					
0000			04-1590850				Wood Creek Venture Fund LLC	DE	NIA	Company	Ownership		MMLIC		

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						Name of Securities			Relation-		Board,	Owner-		SCA	
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Group		Company	ID	Federal		(U.S. or	Parent, Subsidiaries	Loca-	Reporting	Directly Controlled by	Influence,	Percen-	Ultimate Controlling	quired?	1
Code	Group Name	Code	Number	RSSD	CIK	International)	Or Affiliates	tion	Entity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	(Y/N)	*
	•					, í				Massachusetts Mutual Life Insurance					
			36-4823011				50 Liberty LLC	DE DE	NI A	Company	Ownership		IC		
			36-4823011				50 Liberty LLC	DE	NI A	C.M. Life Insurance Company	Ownership		IC		
										Massachusetts Mutual Life Insurance					
			80-0948028				One Harbor Shore LLC	DE	NI A	Company	Ownership				
			80-0948028				One Harbor Shore LLC	DE	NI A	C.M. Life Insurance Company	Ownership	4.900 MML	IC		
										Massachusetts Mutual Life Insurance					
0000			81-4382111				Budapester Strasse LLC	DE	NI A	Company	Ownership	100.000 MML	IC		
0000			00.0005044					DE		Massachusetts Mutual Life Insurance		00.000	10		
0000			82-2285211 82-2285211				Calgary Railway Holding LLC	DE DE	NIA NIA	Company C.M. Life Insurance Company	Ownership				
			02-2280211				Calgary Railway Holding LLC		NIA		Ownership	10.000 MML	IU		+
.0000			82-3307907				Company PDS Haldings 110	DE	NIA	Massachusetts Mutual Life Insurance	Ownership	100.000 MML	10		
			02-00/90/				Cornbrook PRS Holdings LLC	VE	NIA	Company Massachusetts Mutual Life Insurance	ownersnip		IV		+
			95-4207717				Cornerstone California Mortgage Fund I LLC	CA	NIA	Company	Ownership		10		
			90-420//1/				Connerstone Carrionna mortgage Fund T LLC	UA		Massachusetts Mutual Life Insurance	owner simp				
			95-4207717				Cornerstone California Mortgage Fund II LLC .	CA	NIA	Company	Ownership		IC		
			35-4201111				Cornerstone California Mortgage Fund III LLC	Un		Massachusetts Mutual Life Insurance	owner simp				
			95-4207717					CA	NIA	Company	Ownership	100.000ML	IC		
			55 4201111					Un		Massachusetts Mutual Life Insurance					
			56-2630592				Cornerstone Fort Pierce Development LLC	DE	NIA	Company	Ownership		IC		
			56-2630592				Cornerstone Fort Pierce Development LLC	DE	NIA	C.M. Life Insurance Company	Ownership	5.600 MML			
										Massachusetts Mutual Life Insurance					
			45-2632610				Cornerstone Permanent Mortgage Fund	MA	NIA	Company	Ownership	97.700MML	IC		
			45-2632610				Cornerstone Permanent Mortgage Fund	MA	NI A	Barings LLC	Management	MML	IC		
										Massachusetts Mutual Life Insurance	ů				
			61-1750537				Cornerstone Permanent Mortgage Fund II	MA	NI A	Company	Ownership				
			61-1750537				Cornerstone Permanent Mortgage Fund II	MA	NI A	Baring LLC	Management	MML	IC		
										Massachusetts Mutual Life Insurance					
			35-2531693				Cornerstone Permanent Mortgage Fund III	MA	NIA	Company	Ownership	100.000 MML	IC		
										Massachusetts Mutual Life Insurance					
			61-1793735				Cornerstone Permanent Mortgage Fund IV	MA	NIA	Company	Ownership	100.000 MML			
0000			81-0890084				CREA Madison Member LLC	DE	NI A	C.M. Life Insurance Company	Ownership	100.000 MML	IC		
										Massachusetts Mutual Life Insurance		75 000 100			
			82-1563809				CCB Montford Park LLC CCB Montford Park LLC	DE	NIA NIA	Company	Ownership				
0000			82-1563809				UUD MUTILIUTO PARK LLU	DE	NIA	C.M. Life Insurance Company Massachusetts Mutual Life Insurance	Ownership	4.800 MML	IU		+
			82-2783393				Danville Riverwalk Venture, LLC	DE	NIA	Company	Ownership	100.000 MML	10		
			02-2100080				Danvine niverwark venture, LLC	<i>u</i> e	NIA	Massachusetts Mutual Life Insurance	wher sin h		IV	[1
			20-3347091				Fan Pier Development LLC	DE	NIA	Company	Ownership	59.300MML	IC		
			20-3347091				Fan Pier Development LLC	DE	NIA	C.M. Life Insurance Company	Ownership				1
			20 004/001							Massachusetts Mutual Life Insurance					
0000			46-3880526				Farringdon London Holdings LLC	DE	NIA	Company	Ownership.		IC		
			46-3880526				Farringdon London Holdings LLC	DE	NIA	C.M. Life Insurance Company	Ownership				1
		1								Massachusetts Mutual Life Insurance					T
			20-4819358				Johnston Groves LLC	DE	NIA	Company	Ownership		IC		
										Massachusetts Mutual Life Insurance					
			81-5360103				Landmark Manchester Holdings LLC	DE	NIA	Company	Ownership		IC		
										Massachusetts Mutual Life Insurance					
			83-0881588				NoHo West Venture LLC	DE	NIA	Company	Ownership		IC		
										Massachusetts Mutual Life Insurance					
			04-1590850				PACO France Logistics LLC	DE	NI A	Company	Ownership		IC		
							-			Massachusetts Mutual Life Insurance					
		1	04-1590850	1		1	PACO France Logistics 3 LLC	DE	NIA	Company	Ownership	100.000 MML	10		1

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Code	Group Name	Code	Number	RSSD	CIK	International)	Or Affiliates	tion	Entity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	(Y/N)	~
										Massachusetts Mutual Life Insurance					
			82-3393166				Portland 400 Sixth Manager LLC	DE	NI A	Company	Ownership				
							Salomon Brothers Commercial Mortgage Trust								
							2001-MM	DE	NI A	Barings Real Estate Advisers LLC	Influence		. MMLIC		
										Massachusetts Mutual Life Insurance					
			27-2977720				Sawgrass Village Shopping Center LLC	DE	NI A	Company	Ownership		MMLIC		
0000			27-2977720				Sawgrass Village Shopping Center LLC	DE	NIA	C.M. Life Insurance Company	Ownership		MMLIC		
										Massachusetts Mutual Life Insurance					
			04-1590850				Spain Avalon Holding LLC	DE	NIA	Company	Ownership	100.000	MMLIC		
										Massachusetts Mutual Life Insurance		1	1	1	1
			81-5273574				Three PW Office Holding LLC	DE	NIA	Company	Ownership		MMLIC		
										Massachusetts Mutual Life Insurance					
0000			35-2484550				Twenty Two Liberty LLC	MA	NIA	Company	Ownership		MMLIC		
			35-2484550				Twenty Two Liberty LLC		NIA	C.M. Life Insurance Company	Ownership		MMLIC		1
			55 E 10 1000							Massachusetts Mutual Life Insurance					
0000			45-4606547				UK LIW Manager LLC	DE	NIA	Company	Ownership.	1.000	MMLIC		
							on Ern manager EEO			Massachusetts Mutual Life Insurance	owner arrp		ETO		
0000			45-4606547				UK LIW Member LLC	DE	NIA	Company	Ownership.		MMLIC		
			40-4000047				OK LIW Weinder LLC		NIA	Massachusetts Mutual Life Insurance	owner simp				
0000			82-3250684				Unna, Dortmund Holding LLC	DE	NIA		Ownership	100.000	MMLIC		
			02-3230084				onna, portmuna norarng LLC		NIA	Company Massachusetts Mutual Life Insurance	Ownership	100.000			
0000			00 0004500				Via Caragia Nilan II C		NLA		Ownership	100,000			
0000			82-3281588				Via Ceresio Milan LLC	DE	NIA	Company	Ownership		MMLIC		
0000			15 5404400					25		Massachusetts Mutual Life Insurance		00.000	144 10		
0000			45-5401109				Washington Gateway Apartments Venture LLC	DE	NIA	Company	Ownership				
0000			45-5401109				Washington Gateway Apartments Venture LLC	DE	NI A	C.M. Life Insurance Company	Ownership	4.800	. MMLIC		
										Massachusetts Mutual Life Insurance					
0000			20-2970495				Waterford Development Associates	DE	NI A	Company	Ownership		MMLIC		
										Massachusetts Mutual Life Insurance					
			47-1993493				Waterloo London Holdings LLC	DE	NI A	Company	Ownership		MMLIC		
										Massachusetts Mutual Life Insurance					
0000			46-3122029				WeHo Domain LLC	DE	NI A	Company	Ownership				
			46-3122029				WeHo Domain LLC	DE	NIA	C.M. Life Insurance Company	Ownership		MMLIC		
										Massachusetts Mutual Life Insurance			1		
			81-1552222				Willowwood Lakeside Master LLC	DE	NIA	Company	Ownership		MLIC		
										Massachusetts Mutual Life Insurance			1		
			20-5481477				Ygnatio Valley Funding	DE	NIA	Company	Ownership		MMLIC		
				[Massachusetts Mutual Life Insurance		1	1	1	1
0000			45-3168892				MassMutual Barings Dynamic Allocation Fund	MA	NIA	Company	Ownership		MMLIC		
										Massachusetts Mutual Life Insurance					
			51-0529328		0000927972	00	MassMutual Premier Main Street Fund	MA	NIA	Company	Ownership		MMLIC		
							MassMutual Premier Strategic Emerging Markets			Massachusetts Mutual Life Insurance					1
0000			26-3229251		0000927972	00	Fund	MA	NIA	Company	Ownership		MMLIC		
					55500E101E	**				Massachusetts Mutual Life Insurance					1
			04-3277550		0000927972	00	MassMutual Premier Value Fund	MA	NIA	Company	Ownership		MMLIC		
			0- 0211000		0000321312	vv	MassMutual Select Diversified International			Massachusetts Mutual Life Insurance	owner on p.		mmLIV		
			14-1980900		0000916053	00	Fund	МА	NIA	Company	Ownership		MMLIC		1
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0000			01-0821120		0000916053	UV	MassMutual Select Diversified Value Fund	MA	NI A	Company	Ownership		MMLIC		
0000			04.0540500		0000040050	00				Massachusetts Mutual Life Insurance		0.000	144 10		
0000			04-3512593		0000916053	UQ	MassMutual Select Fundamental Growth Fund	MA	NI A	Company	Ownership	0.000	. MMLIC		
										Massachusetts Mutual Life Insurance					1
0000			04-3513019		0000916053	0Q	MassMutual Select Large Cap Value Fund	MA	NI A	Company	Ownership		MMLIC		
										Massachusetts Mutual Life Insurance			1		1
			42-1710935		0000916053	0Q	MassMutual Select Mid-Cap Value Fund	MA	NI A	Company	Ownership		MMLIC		

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		MMLIC	0.000	Ownership		NLA	МА			0000016053		82-3472205			0000
1000 82-948175 000096053 00 2020 Fund MA NIA Company Ownership 0.000 MALIC 1,000 82-9502011 000096053 00 2025 Fund MA NIA Company Ownership 0.000 MALIC 1,000 82-952548 0000916053 00 2200 Fund MA NIA Company Ownership 0.000 MALIC 1,000 82-952548 0000916053 00 2200 Fund MA NIA Company Ownership 2.800 MALIC 1,000 82-953844 0000916053 00 MALSeries International Equity Fund MA NIA Company Ownership 0.000 MALIC 1,000 47-9517233 MALSeries International Equity Fund MA NIA NIA Company Ownership 0.000 MALIC 1,000 47-952868 MALSeries II Equity Foud MA NIA NIA Company Ownership 0.000 MALIC Ownership 0.000 <td< td=""><td></td><td></td><td>0.000</td><td>owner strip</td><td></td><td></td><td>mn</td><td></td><td>04</td><td>0000310033</td><td></td><td></td><td></td><td></td><td></td></td<>			0.000	owner strip			mn		04	0000310033					
D000 Basellutal Select T. Role Price Retirement MA NA Massachusetts Mutual Life Insurance Ownership D.000 MM. IC 0000 82-5502011 0000916053 00 2265 Fund MM. NIA NIA NIA NIA Niessachusetts Mutual Life Insurance Ownership D.000 MM. IC 0000 82-5502011 0000916053 00 2806 Fund Life Insurance Ownership D.000 MM. IC 0000 82-5502011 0000916053 00 Balancet Fund MA NIA NIA Massachusetts Mutual Life Insurance Ownership D.000 MM. IC 0000 64-4257056 MM. Series II Asset Monentun Fund MA NIA Mia Sachusetts Mutual Life Insurance Ownership D.000 MM. IC 0000 47-55768 MM. Series II Asset Monentun Fund MA NIA Corpany Ownership D.000 MM. IC 0000 47-55768 MM. Series II Asset Monentun Fund MA NIA Corpany Ownership D.000 MM. IC 000		14/1 10	0.000	0		NU A			00	0000010050		00 0401715			0000
1000 2005 Find <th< td=""><td></td><td> MMLIC</td><td></td><td>Uwnership</td><td></td><td>NIA</td><td>MA</td><td></td><td>0Q</td><td>0000916053</td><td></td><td> 82-3481/15</td><td></td><td></td><td></td></th<>		MMLIC		Uwnership		NIA	MA		0Q	0000916053		82-3481/15			
		MMLIC	0.000	Ownership		NIA	MA		0Q	0000916053		82-3502011			
.0000 .0000 .000916053 00 MassMutual Select T. Rove Price Retirement Balanced Fund MA MA MA MassAcusetts Mutual Life Insurance Corpany 0umership 0.000 0.000 MML Series International Equity Fund MA MML Series II Asset Momentum Fund MML Series II Dynamic Bond Fund MML Series II Dynamic Bond Fund MML Series II Equity Rotation Fund MML Series II Special Situations Fund MML Series II Special Situations Fund MML Series II Special Situations Fund					Massachusetts Mutual Life Insurance										
		MMLIC	2.800	Ownership	Company	NIA	MA		0Q	0000916053		82-3525148			
					Massachusetts Mutual Life Insurance			MassMutual Select T. Rowe Price Retirement							
			0.000	Ownership	Company	NIA	MA	Balanced Fund	0Q	0000916053		82-3533944			0000
					Massachusetts Mutual Life Insurance										
		MMLIC	0.000	Ownership	Company	NIA	MA	MML Series International Equity Fund				46-4257056			0000
					Massachusetts Mutual Life Insurance										
		MMETC	100 000	Ownership		NIA	MA	MML Series II Asset Momentum Fund				47-3517233			0000
0000															
000 47-3544629 MIL Series II Equity Rotation Fund MA NIA Company Ownership		MILLC	0.000	Ownership		NIA	MA	MML Series II Dynamic Bond Fund	1			47-3520636			0000
000 47-3544629				omoron prip											
LO000		MM LC	05 000	Ownership		NEA	MA	MML Corion II Equity Datation Fund				47 2544600	1		0000
				Uwnersnip		NIA	MA	MML Series II Equity Rotation Fund				47-3044629			
		144 10	07.000									17.0550001			
0000 27-1933828		MMLIC		Ownership		NI A	MA	MML Series II Special Situations Fund				47-3559064			0000
D000 27-1933389 27-1933389 00.00916053 00 MassMutual RetireSMART 2035 Fund MA NIA. Company Massachusetts Mutual Life Insurance 0000 0000916053 00 MMLIC		MMLIC	100.000	Ownership		NI A	MA	MassMutual RetireSMART 2015 Fund	0Q	0000916053		27-1933828			0000
0000					Massachusetts Mutual Life Insurance										
0000 27-1932769		MMLIC		Ownership	Company	NIA	MA	MassMutual RetireSMART 2035 Fund	0Q	0000916053		27-1933389			0000
					Massachusetts Mutual Life Insurance										
		MMLIC	70.700	Ownership	Company	NIA	MA	MassMutual RetireSMART 2045 Fund	00	0000916053		27-1932769			0000
		MMLIC	19,600	Ownership		NLA	MΔ	MassMutual BetireSMART 2055 Fund	00	0000916053		46-3289207			0000
		IIIIILE I V		0 miler on 1 p					vu						
		MM LC	o2 000	Owpership		NLA	MA	ManaNutual PatiraSWART 2060 Fund	00	0000016052		47 5226225			0000
				ownersnip		NIA	MA	massmutual Helliesmani 2000 Funu	UV	0000910003					
			0.000							0000040055		15 1010155			0000
			000.ע	uwnersn1p		NIA	MA	Massmutual HetireSMAHI Conservative Fund	UQ	0000916053		40-1618155			0000
Massachusetts Mutual Life Insurance															
0000		MMLIC	Q.000	Uwnership	Company	NI A	MA	MassMutual RetireSMART Growth Fund	00	0000916053		45-1618222			0000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
											Туре	lf			
											of Control	Control			
											(Ownership,	is		ls an	
						Name of Securities			Relation-		Board.	Owner-		SCA	
						Exchange		Domi-	ship		Management,	ship		Filing	
		NAIC				if Publicly Traded	Names of	ciliarv	to		Attorney-in-Fact,	Provide		Re-	
Group		Company	ID	Federal		(U.S. or	Parent, Subsidiaries	Loca-	Reporting	Directly Controlled by	Influence,	Percen-	Ultimate Controlling	auired?	,
Code	Group Name	Code	Number	RSSD	CIK	International)	Or Affiliates	tion	Entity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	(Y/N)	*
Code	Gloup Name	Code	Number	n33D	GIK	International)	Of Allillates	lion	Enuty	Massachusetts Mutual Life Insurance	Other)	laye	Entity(les)/Person(s)	(T/N)	+
			45-1618262		0000916053	00	MassMutual RetireSMART Moderate Fund	МА	NIA		Ownership		MMLIC		
			40-1010202		0000910055	04	Massmutual Retiresmant moderate Fund	MA	NIA	Company Massachusetts Mutual Life Insurance	ownership		. MMLIC		
			45-1618046		0000916053	00	MassMutual RetireSMART Moderate Growth Fund .	МА	NIA	Company	Ownership.		MMLIC		
			40-1010040		0000910055	04	OFI Pictet Global Environmental Solution Fund		NIA	Compariy	ownership		. MMLTC		
0000			81-5311583				of the cet crobal Environmental Solution Fund	DE	NIA	OppenheimerFunds, Inc	Management		MMLIC		
			. 01-0311003					UE	NIA	Massachusetts Mutual Life Insurance	management		. MMLTC		
			93-6305075				Oppenheimer Developing Markets Fund	DE	NIA	Company	Ownership	0.000	MMLIC		
							opportion of Developing markets Fully			Massachusetts Mutual Life Insurance	omici allip				
							Oppenheimer Developing Markets Equity UCITS _	IRL	NIA	Company	Ownership		MMLIC		
0000							Oppenheimer Developing Markets Equity OCTTS _		NIA	OppenheimerFunds, Inc.	Management		MMLIC		
							Oppenheimer Emerging Markets Innovators UCITS			oppennernerr unus, me.	management				
							oppennermer Emergring markets minovators corre	, IRL	NIA	OppenheimerFunds, Inc	Management		MMLIC		
							Oppenheimer Emerging Markets Local Debt UCITS			oppennernerr unus, me.	management				
			34-40740DH				opponnermer Emergring markete Eboar best eerre	IRL	NIA	OppenheimerFunds, Inc	Management		MMLIC		
0000			46-2984739				Oppenheimer Emerging Markets Revenue ETF	IRL	NIA	OppenheimerFunds, Inc.	Management		MMLIC		
			200				Oppenheimer Emerging Markets Ultra Dividend				ind hage in the				
0000			82-2237734				Revenue ETF	DE	NIA	OppenheimerFunds, Inc.	Management		MMLIC		
.0000			81-3492794				Oppenheimer ESG Revenue ETF	DE	NIA	OppenheimerFunds, Inc.	Management		MMLIC		
0000							Oppenheimer Global Equity UCITS	IRL	NIA	OppenheimerFunds. Inc.	Management		MMLIC		
0000			81-3480754				Oppenheimer Global ESG Revenue ETF	DE	NIA	OppenheimerFunds, Inc.	Management		MMLIC		
										Massachusetts Mutual Life Insurance					
0000			46-1604428		0001562689	0Q	Oppenheimer Global Real Estate Fund	DE	NI A	Company	Ownership		MMLIC		
0000			47-3676235				Oppenheimer Global Multi-Asset Growth Fund	DE	NIA	OppenheimerFunds, Inc.	. Management		MMLIC		
0000			81-5010075				Oppenheimer Global Revenue ETF	DE	NI A	OppenheimerFunds, Inc.	Management		MMLIC		
0000							Oppenheimer Global Value Equity UCITS	IRL	NIA	OppenheimerFunds, Inc.	Management		MMLIC		
0000			82-2693880				Oppenheimer Global Unconstrained Bond Fund	DE	NI A	OppenheimerFunds, Inc.	Management		MMLIC		
0000			81-4969331				Oppenheimer International Revenue ETF	DE	NI A	OppenheimerFunds, Inc.	Management		MMLIC		
							Oppenheimer International Ultra Dividend								
0000			82-2271542				Revenue ETF	DE	NI A	OppenheimerFunds, Inc	Management		MMLIC		
							Oppenheimer Preferred Securities & Income								
0000			82-3462739				Fund	DE	NIA	OppenheimerFunds, Inc	Management		MMLIC		
							Oppenheimer Russell 2000 Dynamic Multifactor								
0000			82-2794856				ETF	DE	NIA	OppenheimerFunds, Inc	Management		MMLIC		·
							Oppenheimer Russell 1000 Momentum Factor ETF								1
0000			82-2716323					DE		OppenheimerFunds, Inc.	Management		MMLIC		·
0000			. 82-2759921				Oppenheimer Russell 1000 Value Factor ETF	DE	NI A	OppenheimerFunds, Inc.	Management		MMLIC		
							Oppenheimer Russell 1000 Low Volatility								1
0000			82-2701797				Factor ETF	DE	NI A	OppenheimerFunds, Inc.	Management		MMLIC		
0000			82-2740997				Oppenheimer Russell 1000 Size Factor ETF	DE	NIA	OppenheimerFunds, Inc.	Management		MMLIC		
0000			. 82-2732571				Oppenheimer Russell 1000 Quality Factor ETF .	DE	NIA	OppenheimerFunds, Inc.	Management		MMLIC		
0000			. 82-2768498				Oppenheimer Russell 1000 Yield Factor ETF	DE	NI A	OppenheimerFunds, Inc.	Management		MMLIC		+
			82-2222426				Oppenheimer SteelPath MLP & Energy Infrastructure Fund	DE	NIA	OppenheimerFunds, Inc.	Management		MILIC		1
					1				NIΔ	linnenne mertunds Inc					

Asterisk	sk Explanation
1	Massachusetts Mutual Life Insurance Company owns .85% of the affiliated debt of Jefferies Finance LLC
2	Debt investors own 6.7% and includes only Great Lakes III, L.P.
3	Debt investors own 9.6% and includes only Babson Capital Loan Strategies Fund, L.P.
4	Debt investors own 7.7% and includes only Great Lakes III, L.P.

Asterisk	Explanation
	rs own 5.9% and includes only Great Lakes III, L.P.
6 Debt investors	rs own 7.5% and includes only Great Lakes III, L.P.

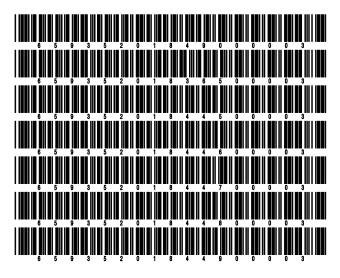
SUPPLEMENTAL EXHIBITS AND SCHEDULES INTERROGATORIES

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
		10
١.	Will the Trusteed Surplus Statement be filed with the state of domicile and the NAIC with this statement?	NU
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

Explanation:

- 1. Not required
- 2. This line of business is not written by the company,
- 3. Not required
- 4. Not required
- 5. Not required
- 6. Not required
- 7. Not required
 - Bar Code:
- 1. Trusteed Surplus Statement [Document Identifier 490]
- 2. Medicare Part D Coverage Supplement [Document Identifier 365]
- 3. Reasonableness of Assumptions Certification required by Actuarial Guideline XXXV [Document Identifier 445]
- Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXV [Document Identifier 446]
- 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]
- Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXVI (Updated Market Value) [Document Identifier 449]



STATEMENT AS OF SEPTEMBER 30, 2018 OF THE Massachusetts Mutual Life Insurance Company OVERFLOW PAGE FOR WRITE-INS

Addition	al Write-ins for Assets Line 25					
			Current Statement Date			
		1	2	3	December 31	
				Net Admitted Assets	Prior Year Net	
		Assets	Nonadmitted Assets	(Cols. 1 - 2)	Admitted Assets	
2504.	Investment in trust					
2505.	Pension plan asset					
2506.	Disallowed interest mantenance reserve					
2507.	Cash advances to agents					
2508.	Intangible assets					
2509.	Commissions and expenses on long-term lease	52,561,896	52,561,896			
2510.	Bills receivable					
2597.	Summary of remaining write-ins for Line 25 from overflow page	1,375,583,113	1,346,074,487	29,508,626	31,602,010	

Additional Write-ins for Liabilities Line 25

		1	2
		Current	December 31
		Statement Date	Prior Year
2504. Funds a	waiting escheat and other miscellaneous		
2505. Deferre	d income		
2597. Summa	ry of remaining write-ins for Line 25 from overflow page	75,062,682	86,536,289

Additional Write-ins for Summary of Operations Line 8.3

	1	2	3
	Current Year	Prior Year	Prior Year Ended
	To Date	To Date	December 31
08.304. Change in corporate owned life insurance			
08.305. Miscellaneous			
08.397. Summary of remaining write-ins for Line 8.3 from overflow page	46,129,337	121,502,529	153,401,362

Additional Write-ins for Summary of Operations Line 27

		1	2	3
		Current Year	Prior Year	Prior Year Ended
		To Date	To Date	December 31
2704.	Ceded income on funds withheld			
2705.	Change in Liability for employee/agent benefit plans			
2706.	Miscellanous charges to operations			
2707.	· · · · · · · · · · · · · · · · · · ·			
2797.	Summary of remaining write-ins for Line 27 from overflow page	190,144,466	41,777,937	56,019,764

SCHEDULE A - VERIFICATION Real Estate

		1	2
			Prior Year Ended
		Year to Date	December 31
1.	Book/adjusted carrying value, December 31 of prior year		
2.	Cost of acquired:		
	2.1 Actual cost at time of acquisition		
	2.2 Additional investment made after acquisition		
3.	Current year change in encumbrances	(84,986,335)	
4.	Total gain (loss) on disposals	170, 141,914	
5.	Deduct amounts received on disposals		
6.	Total foreign exchange change in book/adjusted carrying value		
7.	Deduct current year's other than temporary impairment recognized		
8.	Deduct current year's depreciation	61,051,365	
9.	Book/adjusted carrying value at the end of current period (Lines 1+2+3+4-5+6-7-8)		
10.	Deduct total nonadmitted amounts		
11.	Statement value at end of current period (Line 9 minus Line 10)	764,779,299	857,001,296

SCHEDULE B - VERIFICATION

		1	2
			Prior Year Ended
		Year to Date	December 31
1.	Book value/recorded investment excluding accrued interest, December 31 of prior year		
2.	Cost of acquired:		
	2.1 Actual cost at time of acquisition	2,640,421,865	4,380,407,680
	2.2 Additional investment made after acquisition		
3.	2.2 Additional investment made after acquisition		
4.	Accrual of discount	4,509,297	2,522,733
5.	Unrealized valuation increase (decrease)		
6.	Unrealized valuation increase (decrease) Total gain (loss) on disposals	(1,611,115)	(26,570,127)
7.	Deduct amounts received on disposals		
8.	Deduct amortization of premium and mortgage interest points and commitment fees	(2,158,042)	
9.	Total foreign exchange change in book value/recorded investment excluding accrued interest	(83,608,005)	
10.	Deduct current year's other than temporary impairment recognized		
11.	Book value/recorded investment excluding accrued interest at end of current period (Lines 1+2+3+4+5+6-7-8+9-10)	23, 328, 066, 803	
12.	Total valuation allowance		
13.	Subtotal (Line 11 plus Line 12)	23, 328, 066, 803	
14.	Deduct total nonadmitted amounts		
15.	Statement value at end of current period (Line 13 minus Line 14)	23,328,066,803	22,579,846,619

SCHEDULE BA - VERIFICATION

Other Long-Term Invested Assets

		1	2
			Prior Year Ended
		Year to Date	December 31
1.	Book/adjusted carrying value, December 31 of prior year	7,722,717,021	7,233,113,042
2.	Cost of acquired:		
	2.1 Actual cost at time of acquisition		
	2.2 Additional investment made after acquisition	1,269,091,755	1,521,461,828
3.	Capitalized deferred interest and other		
4.	Accrual of discount		
5.	Unrealized valuation increase (decrease)		1,089,199,341
6.	Total gain (loss) on disposals	6,661,972	(24,302,393)
7.	Deduct amounts received on disposals		
8.	Deduct amortization of premium and depreciation		
9.	Total foreign exchange change in book/adjusted carrying value	(35, 309, 358)	
10.	Deduct current year's other than temporary impairment recognized		
11.	Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5+6-7-8+9-10)	7,833,768,158	7,722,717,021
12.	Deduct total nonadmitted amounts	45,549,908	
13.	Statement value at end of current period (Line 11 minus Line 12)	7,788,218,250	

SCHEDULE D - VERIFICATION

Bonds and Stocks 1 2 Prior Year Ended Year to Date December 31 106,837,837,246 .99,649,127,776 Book/adjusted carrying value of bonds and stocks, December 31 of prior year . 1. 21,094,711,387 27,916,049,478 2. Cost of bonds and stocks acquired. 272, 189, 271 210,614,846 3. Accrual of discount 41,020,293 .342,157,228 Unrealized valuation increase (decrease) 4. ..41,513,425 .43,986,026 5. Total gain (loss) on disposals 15,397,437,228 22,005,237,281 Deduct consideration for bonds and stocks disposed of 6. .157,747,912 ..102,656,074 Deduct amortization of premium 7. ..(372,569,543) .911,278,992 Total foreign exchange change in book/adjusted carrying value . 8. _131,493,731 1,337,451,793 9. Deduct current year's other than temporary impairment recognized Total investment income recognized as a result of prepayment penalties and/or acceleration fees 10. .111,049,341,445 106,837,837,246 Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5-6-7+8-9+10) 11. Deduct total nonadmitted amounts. 12. 111,049,341,445 106,837,837,246 Statement value at end of current period (Line 11 minus Line 12) 13.

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

		r all Bonds and Prefe	3		5	6	7	8
	Book/Adjusted	2	5	4	Book/Adjusted	Book/Adjusted	, Book/Adjusted	Book/Adjusted
	Carrying Value	Acquisitions	Dispositions	Non-Trading Activity	Carrying Value	Carrying Value	Carrying Value	Carrying Value
	Beginning	During	During	During	End of	End of	End of	December 31
NAIC Designation	of Current Quarter	Current Quarter	Current Quarter	Current Quarter	First Quarter	Second Quarter	Third Quarter	Prior Year
BONDS								
1. NAIC 1 (a)		4,907,161,764			49,052,494,081	51,117,251,647		
2. NAIC 2 (a)		11,811,173,713		(15,702,258)				
3. NAIC 3 (a)	3,327,650,588			(159,083,110)		3,327,650,588		4,824,432,817
4. NAIC 4 (a)				(345,963,420)		2,526,962,745	2,418,943,405	
5. NAIC 5 (a)	1,085,785,049					1,085,785,049	1,270,645,481	
6. NAIC 6 (a)	353,488,726	4,606,974	32,167,039	108,004,314	341,590,419	353,488,726	433,932,975	386,586,979
7. Total Bonds	97,543,440,183	18,057,500,418	17,725,400,638	(2,923,996)	94,376,492,174	97,543,440,183	97,872,615,967	93,730,739,089
PREFERRED STOCK								
8. NAIC 1								
9. NAIC 2				(1,337,600)				
10. NAIC 3								
11. NAIC 4						622,701	1,301,690	
12. NAIC 5				(12,835)	3, 100, 879	15,717,557		
13. NAIC 6	546,872	10,000,000			11,364,872	546,872	10,546,872	14,662,936
14. Total Preferred Stock	742,605,325	10,669,190		(1,340,636)	769,214,159	742,605,325	751,933,879	767,807,089
15. Total Bonds and Preferred Stock	98,286,045,508	18,068,169,608	17,725,400,638	(4,264,632)	95,145,706,333	98,286,045,508	98,624,549,846	94,498,546,178

(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:

SCHEDULE DA - PART 1

Short-Term Investments							
	1	2	3	4	5 Paid for		
	Book/Adjusted Carrying Value	Par Value	Actual Cost	Interest Collected Year-to-Date	Accrued Interest Year-to-Date		
9199999 Totals	513,958,350	XXX	512,248,310				

SCHEDULE DA - VERIFICATION Short-Term Investments

		1	2
		Year To Date	Prior Year Ended December 31
1.	Book/adjusted carrying value, December 31 of prior year		
2.	Cost of short-term investments acquired	1,859,519,764	2,635,782,710
3.	Accrual of discount	8,025,490	5,773,955
4.	Unrealized valuation increase (decrease)		
5.	Total gain (loss) on disposals		
6.	Deduct consideration received on disposals	1,862,002,430	2,841,252,984
7.	Deduct amortization of premium		
8.	Total foreign exchange change in book/adjusted carrying value		
9.	Deduct current year's other than temporary impairment recognized		
10.	Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5-6-7+8-9)		
11.	Deduct total nonadmitted amounts		
12.	Statement value at end of current period (Line 10 minus Line 11)	513,958,350	508,320,258

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) 2. Cost Paid/(Consideration Received) on additions 3. Unrealized Valuation increase/(decrease) ... 5. Considerations received/(paid) on terminations (6,746,785) 6. Amortization 7. Adjustment to the Book/Adjusted Carrying Value of hedged item 8. Total foreign exchange change in Book/Adjusted Carrying Value ... 10. Deduct nonadmitted assets 11. Statement value at end of current period (Line 9 minus Line 10)

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 - C	umulative Cash Char	nge 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	(128,127,331)		
	3.14 Section 1, Column 18, prior year		(146,151,031)(146,151,031)	
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	(128,127,331)		
	3.24 Section 1, Column 19, prior year		(146,151,031)(146,151,031)	
3.3	Subtotal (Line 3.1 minus Line 3.2)			
4.1	Cumulative variation margin on terminated contracts during the year		(182,364,745)	
4.2	Less:			
	4.21 Amount used to adjust basis of hedged item			
	4.22 Amount recognized	(200,388,445)	(200,388,445)	
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			(18,023,701)
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)			

SCHEDULE DB - PART C - SECTION 1

		Replication (Synt	thetic Asset) Tr	ansactions	riophoan	on (oynaloa		Insactions Open as of (of the Repli	cation (Synthetic Asset) Trans	sactions		
1	2	3	4	5	6	7	8	Derivative	e Instrument(s) Open				Instrument(s) Held		
		NAIC Designation or Other	Notional	Book/Adjusted Carrying		Effective	Maturity	9	10 Book/Adjusted Carrying	11	12	13	14 NAIC Designation or Other	15 Book/Adjusted Carrying	16
Number	Description	Description	Amount	Value	Fair Value	Date	Date	Description	Value	Fair Value	CUSIP	Description	Description	Value	Fair Value
570001110	Evergreen Basket of Long Fixed Rate		50 000 000	11.070.005		10/01/0010	10/01/00/0				100000 10 7	Kingsland Ltd-SERIES 18-8A CLASS A		44.070.005	11 700 115
57629*AA9	Corp Inv Grade Equiv Bonds Evergreen Basket of Long Fixed Rate	2				10/01/2012	10/01/2042	Interest Rate Swap		(5,236,530)	42086P-AC-7	FIRST MARYLAND CAP I-LIMITED	1		
57629*AA9	Corp Inv Grade Equiv Bonds	2		11,392,030		10/01/2012	10/01/2042	Interest Rate Swap			320808-AD-0	GUARANTEE NOTE	2		12,220,000
57629*AB7	Evergreen Basket of Long Fixed Rate Bank Loans B- or Above	3	50.000.000	5,600,000	318.245	10/01/2012	10/01/2042	Interest Rate Swap		(5,288,397)	87246M-AA-0	TICP CLO LTD-SERIES 2016-6A CLASS A	1	5,600,000	5,606,642
570001107	Evergreen Basket of Long Fixed Rate		,,	01 000 700	00 017 705							SASOL CHEMICALS (USA) LL TERM LOAN			
57629*AB7	Bank Loans B- or Above Evergreen Basket of Long Fixed Rate	3				10/01/2012	10/01/2042	Interest Rate Swap			G7818N-ZZ-5	ROCKALL CLO BV Variable Funding	2		
57629*AB7	Bank Loans B- or Above	3			5, 469, 855	10/01/2012	10/01/2042	Interest Rate Swap			77277L-A7-2	Note- USD	1	5,469,855	5,469,855
57629*AB7	Evergreen Basket of Long Fixed Rate Bank Loans B- or Above	3		4,862,483		10/01/2012	10/01/2042	Interest Rate Swap			83149E-AG-2	SLM STUDENT LN TR 2006-5-NOTE CL B	1	4,862,483	
57000+107	Evergreen Basket of Long Fixed Rate			5 470 000	5 404 000	10 (01 (00 10	10 (01 (00 10				000040 15 4	THAYER PARK CLO LTDTHAYR 2017-1A		5 170 000	5 404 000
57629*AB7	Bank Loans B- or Above Evergreen Basket of Long Fixed Rate	3			5,481,230	10/01/2012	10/01/2042	Interest Rate Swap			883310-AE-4	B ROCKFORD TOWER CLO 2018ROCKT	1	5,470,000	5,481,230
57629*AB7	Bank Loans B- or Above	3				10/01/2012	10/01/2042	Interest Rate Swap			77342K-AA-8	2018-2A A BlueMountain Fuji US Clo-SERIES	1	6,410,297	6,422,606
57629*AB7	Evergreen Basket of Long Fixed Rate Bank Loans B- or Above	3		4,000,000		10/01/2012	10/01/2042	Interest Rate Swap			09628F-AE-9	2017-3A CLASS B	1		3,954,888
57629*AB7	Evergreen Basket of Long Fixed Rate Bank Loans B- or Above	0		3.000.000	2.999.958	10/01/2012	10/01/2042	Interest Rate Swap			13876J-AE-2	Canyon Capital CLO Ltd-CANYC 2012- 1RA B	1	3,000,000	2.999.958
	Evergreen Basket of Long Fixed Rate	3										Carlyle US CLO 2017-5 Re Term Loan	· · · · · · · · · · · · · · · · · · ·		
57629*AC5	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1)		11/29/2012	11/29/2042	Interest Rate Swap		(28,778,544)	14316R-ZZ-6		1	19, 165,000 .	
57629*AC5	ABS Bank Loans and Corp Bonds	1			6,930,946	11/29/2012	11/29/2042	Interest Rate Swap			83149F-AD-6	SLMA 2006 6 NT CL B	1	6, 193, 849	6,930,946
57629*AC5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7.000.000		11/29/2012	11/29/2042	Interest Rate Swap			67106J-AS-9	OHA CREDIT PARTNERS LTD-OAKC 2014- 10A CR	1		
	Evergreen Basket of Long Fixed Rate	1		, ,								GILBERT PARK CLO LTD-SERIES 17-1A			
57629*AC5	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1				11/29/2012	11/29/2042	Interest Rate Swap			375415-AA-4	CLASS A CARLYLE GLOBAL MKT STRATEGIES CLO	1		15,515,857
57629*AC5	ABS Bank Loans and Corp Bonds	1				11/29/2012	11/29/2042	Interest Rate Swap			14310D-AY-3	2013-2 LTD MEZZ SECD DEF NT	1		
57629*AC5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13, 100, 000		11/29/2012	11/29/2042	Interest Rate Swap			67097Q-AC-9	OCP CLO 2017-14 Ltd-SERIES 17-14A CLASS A1B	1	13,100,000	
	Evergreen Basket of Long Fixed Rate	·										MASSMUTUAL ASSET FIN LLC SR SECD	1		
57629*AC5	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1				11/29/2012	11/29/2042	Interest Rate Swap			57542Z-A0-7	REV NT CVP CASCADE CLO LTD-CVPC 2014-2A	1		
57629*AC5	ABS Bank Loans and Corp Bonds	1				11/29/2012	11/29/2042	Interest Rate Swap			126611-AL-6	A1R	1		
57629*AC5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,200,000	6.213.931	11/29/2012	11/29/2042	Interest Rate Swap			94950G-AE-7	WELLFLEET CLO LTD-WELF 2017-1A B	1		6,213,931
	Evergreen Basket of Long Fixed Rate				, ,,,,							ALLEGRO CLO V LTD-SERIES 17-1A			
57629*AC5	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		5,525,000	5,527,768	11/29/2012	11/29/2042	Interest Rate Swap			01748R-AE-5	CLASS MEZ, FLT Goldentree Loan Opportun-GLD12	1	5,525,000	5, 527, 768
57629*AC5	ABS Bank Loans and Corp Bonds	1				11/29/2012	11/29/2042	Interest Rate Swap			38137M-AK-3	2016-12A AJR	1		
57629*AC5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,500,000		11/29/2012	11/29/2042	Interest Rate Swap			03767M-AJ-7	Apidos CLO-APID 2018-29A B	1	4,500,000	4,477,662
57629*AC5	Evergreen Basket of Long Fixed Rate			4,992,629	4,999,970						17181T-AA-9	CIFC Funding 2018-IV Ltd-SERIES 18- 4A CLASS A1	4	4,992,629	4,999,970
	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1	l			11/29/2012	11/29/2042	Interest Rate Swap				4A CLASS A1 OCP CLO Ltd-SEREIS 18-15A CLASS A3	1		,,.
57629*AE1	ABS Bank Loans and Corp Bonds	1			4,286,198	12/27/2012	12/27/2042	Interest Rate Swap		(7,712,002)	67112K-AC-3	SOUND POINT CLO LTD-SNDPT 2017-1A C	1		
57629*AE1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,000,000	4,011,184	12/27/2012	12/27/2042	Interest Rate Swap			83609R-AE-1	SUUND FUTNI GLU LID-SNUPI 2017-TA C	1	4,000,000	4,011,184
57629*AE1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				12/27/2012	12/27/2042	Interest Rate Swap			14315J-YY-9	Carlyle US CLO 2017-3 Ri Term Loan	1		
	Evergreen Basket of Long Fixed Rate	1		, ,								Anchorage Capital CLO 3ANCHC	1		
57629*AE1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		3,200,000		12/27/2012	12/27/2042	Interest Rate Swap			03330A-AC-6	2014-3RA B	1		
57629*AE1	ABS Bank Loans and Corp Bonds	1				12/27/2012	12/27/2042	Interest Rate Swap			87271L-AJ-1	TIAA CLO I Ltd-TIA 2016-1A AR	1		
57629*AE1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,800,000	8.727.981	12/27/2012	12/27/2042	Interest Rate Swap			14310D-AW-7	Carlyle Global Market St-SERIES 2013-2A CLASS BR	1	8,800,000	8.727.981
	Evergreen Basket of Long Fixed Rate	· · · · · · · · · · · · · · · · · · ·											¹		
57629*AE1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1				12/27/2012	12/27/2042	Interest Rate Swap			24820R-AA-6	Statoil ASA-SENIOR UNSECURED NOTE . WELLFLEET CLO LTD-WELF 2016-2A A1	1		
57629*AE1	ABS Bank Loans and Corp Bonds	1		10,500,000	10,502,594	12/27/2012	12/27/2042	Interest Rate Swap			94949L-AA-8		1	10,500,000	

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37629*AD3 ABS Bar 57629*AD3 ABS Bar	2 <u>Description</u> rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds	3 NAIC Designation or Other Description 1 1 1 1 1	4 Notional Amount	5 Book/Adjusted Carrying Value 15,271,259 	6 Fair Value 	7 Effective Date 12/27/2012 12/27/2012 12/27/2012	8 Maturity Date 12/27/2042 12/27/2042 12/27/2042	Derivative 9 Description Interest Rate Swap	Pinstrument(s) Open 10 Book/Adjusted Carrying Value	11 Fair Value	12 CUSIP 92977H-AG-3	Cash 13 Description WACHOVIA STUDENT LOAN TR-WSLT 2005- 1 B	Instrument(s) Held 14 NAIC Designation or Other Description 1	15 Book/Adjusted Carrying Value 	16 Fair Value
57629*AD3 Evergr 57629*AD3 ABS Bar Evergr Evergr 57629*AD3 ABS Bar	rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds green Basket of Long Fixed Rate Bank Loans and Corp Bonds green Basket of Long Fixed Rate Bank Loans and Corp Bonds green Basket of Long Fixed Rate Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds	Designation or Other	Amount	Carrying Value		Date 12/27/2012 12/27/2012 12/27/2012	Date 12/27/2042 12/27/2042	Description	Book/Adjusted Carrying	Fair Value	CUSIP 92977H-AG-3	Description WACHOVIA STUDENT LOAN TR-WSLT 2005- 1 B	NAIC Designation or Other	Book/Adjusted Carrying Value	Fair Value
57629*AD3 Evergr 57629*AD3 ABS Bar Evergr Evergr 57629*AD3 ABS Bar	rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds green Basket of Long Fixed Rate Bank Loans and Corp Bonds green Basket of Long Fixed Rate Bank Loans and Corp Bonds green Basket of Long Fixed Rate Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds	Description 1 1 1 1 1 1 1 1 1 1				12/27/2012 12/27/2012 12/27/2012	12/27/2042 12/27/2042	Interest Rate Swap	Value		92977H-AG-3	WACHOVIA STUDENT LOAN TR-WSLT 2005- 1 B	Description 1		15, 183, 826
37629*AD3 ABS Bar 57629*AD3 ABS Bar	Dank Loans and Corp Bonds green Basket of Long Fixed Rate Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds green Basket of Long Fixed Rate Bank Loans and Corp Bonds green Basket of Long Fixed Rate Bank Loans and Corp Bonds green Basket of Long Fixed Rate Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds	1 1 1 1 1 1				12/27/2012	12/27/2042			(7,712,002)		1 B	1		
37629*AD3 ABS Bar Evergr ABS Bar 77629*AD3 ABS Bar Evergr ABS Bar 57629*AD3 ABS Bar Evergr ABS Bar Evergr Evergr 57629*AD3 ABS Bar	Bank Loans and Corp Bonds green Basket of Long Fixed Rate Bank Loans and Corp Bonds green Basket of Long Fixed Rate Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds	1 1 1 1 1				12/27/2012		Interest Rate Swap				ATRIUM CDO CORP-SERIES 9A CLASS BR		18 000 000	
37629*AD3 ABS Bar Evergr Evergr 37629*AD3 ABS Bar FVergr SBS Bar 57629*AD3 ABS Bar 57629*AD3 ABS Bar 57629*AD3 ABS Bar 57629*AD3 ABS Bar 57629*AD3 Evergr	Bank Loans and Corp Bonds green Basket of Long Fixed Rate Bank Loans and Corp Bonds green Basket of Long Fixed Rate Bank Loans and Corp Bonds green Basket of Long Fixed Rate Bank Loans and Corp Bonds green Basket of Long Fixed Rate Bank Loans and Corp Bonds	1 1 1 1			6,807,256		12/27/2042		[04964K-AN-1		1		
57629*AD3ABS Bar 57629*AD3ABS Bar 57629*AD3ABS Bar 57629*AD3ABS Bar 57629*AD3	Bank Loans and Corp Bonds green Basket of Long Fixed Rate Bank Loans and Corp Bonds green Basket of Long Fixed Rate Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds	1 1 1		23,000,000		12/27/2012	1	Interest Rate Swap			92912V-AQ-8	VOYA CLO LTD-VOYA 2014-2A A2AR	1		
57629*AD3ABS Bar Evergr 57629*AD3ABS Bar ABS Bar Evergr	Bank Loans and Corp Bonds green Basket of Long Fixed Rate Bank Loans and Corp Bonds green Basket of Long Fixed Rate Bank Loans and Corp Bonds	1					12/27/2042	Interest Rate Swap			48251B-AA-8	KKR FINANCIAL CLO LTD-KKR 16 A1 Babson CLO Ltd/Cayman Is-BABSN	1	6,800,000	6,807,256
Evergr	rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds	1				12/27/2012	12/27/2042	Interest Rate Swap			06760P-AE-1	2018-3A A2 Madison Park Funding Ltd-SERIES 18-	1		
70004400				9,500,000		12/27/2012	12/27/2042	Interest Rate Swap				28A CLASS B Shackleton 2015-VII-R CL-SERIES	1	9,500,000	9,499,487
Evergr		1					12/27/2042	Interest Rate Swap				2015-7RA CLASS B CARLYLE GLOBAL MARKET ST-SERIES 15-	1		7,999,136
Evergr	Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds	1				12/27/2012	12/27/2042	Interest Rate Swap			14311D-BC-9	1A CLASS BR ARROWMARK COLORADO HOLDI-SERIES 17- 7A CLASS B	2		3,450,217
Evergr	rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds	1	100.000.000			12/27/2012	12/27/2042	Interest Rate Swap		(6 821 215)	38138B-AG-5	GoldentTree Loan Managem-GLM 2018- 3A B1	1		5,993,336
Evergr 57629*AF8 ABS Bar	rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds	1					12/28/2042	Interest Rate Swap				LCM LTD PARTNERSHIP-SERIES 16A CLASS CR	1		
57629*AF8 ABS Bar	rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds	1		9,697,854	9,653,069		12/28/2042	Interest Rate Swap			87155M-AC-5	SYMPHONY CLO V LTD-SR SECD NT CL A- 2 144A	1	9,697,854	9,653,069
57629*AF8 ABS Bar	rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds	1			7,003,437	12/28/2012	12/28/2042	Interest Rate Swap			55818X-BA-0	MADISON PARK FUNDING LTD-SERIES 2015-16A CLASS BR	1		7,003,437
57629*AF8 ABS Bar	rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate	1				12/28/2012	12/28/2042	Interest Rate Swap			88432M-AC-8	WIND RIVER CLO LTD-WINDR 2017-1A B WELLFLEET CLO 2015-1 LTD-SR SECD NT	1		11,049,967
57629*AF8 ABS Bar	Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate	1				12/28/2012	12/28/2042	Interest Rate Swap			949496-AC-7	CL A-1 144A Trvon Park CLO Ltd-TPCLO 2013-1A	1		
57629*AF8 ABS Bar	Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate	1			7,987,088	12/28/2012	12/28/2042	Interest Rate Swap			89852T-AN-8	A1JR TICP CLO VI 2016-5 LTD-TICP 2016-5A	1		7,987,088
Evergr	Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate	1					12/28/2042	Interest Rate Swap			87248K-AS-3	A2R Wellfleet CLO Ltd-SERIES 18-1A	1		2,999,952
Evergr	Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate	1		1,000,000		12/28/2012	12/28/2042	Interest Rate Swap				CLASS A HPS LOAN MANAGEMENT 13-2-HLM 13A-18	1	1,000,000	
Evergr	Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds	1		4,000,000	4,000,000 		12/28/2042	Interest Rate Swap		(6 821 215)	40437L-AE-2 94950J-AA-9	A2 Wellfleet CLO Ltd-SERIES 18-1A CLASS A	1	4,000,000 	4,000,000 58,669,777
Evergr	rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds	1				12/28/2012	12/28/2042	Interest Rate Swap				BABSON CLO LTD 2015-II-SERIES 15-2A CLASS AR	1		
Evergr	rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds	1				12/28/2012	12/28/2042	Interest Rate Swap			282523-AB-5	1828 CLO LTD-SR SECD NT CL A-1-S 144A	1		
57629*AH4 ABS Bar	rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds	1			12,726,378	12/28/2012	12/28/2042	Interest Rate Swap			55818Y-BE-0	MADISON PARK FUNDING LTD-SERIES 15- 17A CLASS B1R	1		
57629*AH4 ABS Bar	rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds	1		4,200,000	4, 164, 140	12/28/2012	12/28/2042	Interest Rate Swap			12551R-AE-8	CIFC Funding 2018-1 Ltd-SERIES 18- 1A CLASS C	1	4,200,000	4, 164, 140
57629*AH4 ABS Bar	rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate	1		1, 100,000	1,099,955	12/28/2012	12/28/2042	Interest Rate Swap			08179M-AC-3	Benefit Street Partners -BSP 2018- 15A A2A BlueMountain CLO 2015-4 -SERIES 15-	1	1, 100,000	1,099,955
57629*AG6 ABS Bar	rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate	1				12/28/2012	12/28/2042	Interest Rate Swap			09628N-AQ-5	4A CLASS A2R SOUND POINT CLO IX LTD-SERIES 2015-	1		
57629*AG6 ABS Bar Evergr	Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate	1			7,944,896	12/28/2012	12/28/2042	Interest Rate Swap			83609G-AN-5	2A CLASS B1R	1		7,944,896
57629*AG6 ABS Bar Evergr	Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate	1		3,825,672		12/28/2012	12/28/2042	Interest Rate Swap			38141G-VW-1	UNSECURED SYMPHONY CLO LTD-SERIES 14-15A	1	3,825,672	3,883,121
Evergr	Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate	1				12/28/2012	12/28/2042	Interest Rate Swap			87154E-AJ-9	CLASS B1R SLM STUDENT LOAN TRUST-SLMA 2013-3	1		9,400,094
Evergr	Bank Loans and Corp Bonds rgreen Basket of Long Fixed Rate Bank Loans and Corp Bonds	1		8,893,029 6,981,050		12/28/2012	12/28/2042	Interest Rate Swap			78447Y-AD-4	B WELLFLEET CLO 2016-2 LTD-WELF 2016-2A A2	1	8,893,029 6,981,050	8,660,708 6.877.351

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		Replication (Syn	thetic Asset) Tr	ansactions	riophoun		07.0000, 114	nsactions Open as of Cu			of the Repli	cation (Synthetic Asset) Transa	actions		
1	2	3	4	5	6	7	8	Derivative In	nstrument(s) Open				Instrument(s) Held		
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9 Description	10 Book/Adjusted Carrying Value	11 Fair Value	12 CUSIP	13 Description	14 NAIC Designation or Other Description	15 Book/Adjusted Carrying Value	16 Fair Value
57000+100	Evergreen Basket of Long Fixed Rate			0.000.000		10 (00 (00 10	10 100 100 10				55000T 10 0	MADISON PARK FUNDING LTD-SERIES		0.000.000	
57629*AG6	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			8,948,843	12/28/2012	12/28/2042	Interest Rate Swap			55820T-AC-2	2017-23A CLASS B	1		8,948,843
57629*AG6	ABS Bank Loans and Corp Bonds	1			8,668,606	12/28/2012	12/28/2042	Interest Rate Swap			33882G-AC-2	FLATIRON CLO LTD-FLAT 2017-1A C LCM LTD PARTNERSHIP-SERIES 22A	1		
57629*AG6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				12/28/2012	12/28/2042	Interest Rate Swap			50189G-AC-6	CLASS A2	1		6,825,990
57629*AG6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,250,000	4,258,538	12/28/2012	12/28/2042	Interest Rate Swap			09626U-AQ-1	BLUEMOUNTAIN CLO LTD-BLUEM 2013-1A	1	4,250,000	4,258,538
	Evergreen Basket of Long Fixed Rate											DRYDEN SENIOR LOAN FUND-SERIES			
57629*AG6	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			6,374,136	12/28/2012	12/28/2042	Interest Rate Swap			26249K-AM-3	2014-36A CLASS CR SLM STUDENT LOAN TRUST-SERIES 2013-	1		6,374,136
57629*AG6	ABS Bank Loans and Corp Bonds	1				12/28/2012	12/28/2042	Interest Rate Swap			78447M-AD-0	1 CLASS B	1		13,054,766
57629*AG6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1			4,244,779	12/28/2012	12/28/2042	Interest Rate Swap			75888M-AG-5	Regatta XIV Funding Ltd-SERIES 18- 3A CLASS B	1	4,250,000	4,244,779
57629*AJ0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		0		12/28/2012	12/28/2042	Interest Rate Swap		(3 410 607)	09627D-AQ-8	BLUEMOUNTAIN CLO LTD-BLUEM 2013-4A B1R	1	13,560,000	
	Evergreen Basket of Long Fixed Rate											MADISON PARK FUNDING XVI-SERIES 15-			
57629*AJ0	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1				12/28/2012	12/28/2042	Interest Rate Swap			55819B-AL-4	18A CLASS A1R NAVIENT STUDENT LOAN TRU-SERIES 17-	1		
57629*AJ0	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1				12/28/2012	12/28/2042	Interest Rate Swap			63940A-AD-0	4A CLASS B ARES CLO LTD-SERIES 2015 1-A CLASS	1	9,532,577	9,442,203
57629*AJ0	ABS Bank Loans and Corp Bonds	1			9,622,694	12/28/2012	12/28/2042	Interest Rate Swap			00191Y-AM-6	A2R	1		9,622,694
57629*AJ0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				12/28/2012	12/28/2042	Interest Rate Swap			26245C-AE-3	DRYDEN SENIOR LOAN FUND-SERIES 2016-43A CLASS B	1	7,500,000	
	Evergreen Basket of Long Fixed Rate											Benefit Street Partners -BSP 2018-			
57629*AJ0	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		1, 100,000	1,099,955	12/28/2012	12/28/2042	Interest Rate Swap			08179M-AC-3	15A A2A Canyon Capital CLO Ltd-CANYC 2012-	1	1, 100,000	1,099,955
57629*AJ0	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			2,499,965	12/28/2012	12/28/2042	Interest Rate Swap			13876J-AE-2	1RA B DEER CREEK CLO LTD 2017SERIES 17-	1	2,500,000	2,499,965
57629*AK7	ABS Bank Loans and Corp Bonds	1		0	6, 594, 423	12/28/2012	12/28/2042	Interest Rate Swap		(3,410,607)	24380L-AE-3	1A CLASS B	1		
57629*AK7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		30.000.000	29.998.950	12/28/2012	12/28/2042	Interest Rate Swap			04624W-AC-1	ASSURANT CLO III LTD-SERIES 2018-2A CLASS A	1		29.998.950
	Evergreen Basket of Long Fixed Rate											KKR FINANCIAL CLO LTD-SERIES 13-1A			
57629*AK7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			13,576,785	12/28/2012	12/28/2042	Interest Rate Swap			48249V-AQ-4	CLASS A2R BENEFIT STREET PARTNERS -SERIES	1		
57629*AK7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			4,843,811	12/28/2012	12/28/2042	Interest Rate Swap			08179H-AB-6	2017-12A CLASS A2 JAMES CAMPBELL CO LLC SR NT SER	1	4,850,000	4,843,811
57629*AL5	ABS Bank Loans and Corp Bonds	1		0		12/28/2012	12/28/2042	Interest Rate Swap		(3,410,607)	470320-AK-7	2014–E	2		
57629*AL5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,906,166		12/28/2012	12/28/2042	Interest Rate Swap			78442G-PL-4	SLM STUDENT LOAN TRUST-SERIES 2005- 4 CLASS B	1	10,906,166	
	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	4			, , .	12/28/2012	12/28/2042				10302V-BC-8	BOWMAN PARK CLO LTD-BOWPK 2014-1A	4		
	Evergreen Basket of Long Fixed Rate	1			8,920,482			Interest Rate Swap	-			OAKTREE CLO LTD-SERIES 14-1A CLASS	1		
57629*AL5	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			6 , 858 , 295	12/28/2012	12/28/2042	Interest Rate Swap			674000-AQ-7	A2R	1		6,858,295
57629*AL5	ABS Bank Loans and Corp Bonds	1			<u>6,848,140</u>	12/28/2012	12/28/2042	Interest Rate Swap			88433R-AE-2	CLASS B	1	<u>.</u> <u>6</u> ,840,000	6,848,140
57629*AL5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				12/28/2012	12/28/2042	Interest Rate Swap			50188Y-AB-0	LCM LTD PARTNERSHIP-LCM 24A B	1		
57629*AL5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	4		1,100,000	1,099,955	12/28/2012	12/28/2042	Interest Rate Swap			08179M-AC-3	Benefit Street Partners -BSP 2018- 15A A2A	4	1,100,000	1,099,955
	Evergreen Basket of Long Fixed Rate	· ·							-			CIFC FUNDING LTD-SERIES 17-3A CLASS	I		
57629*AM3	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		5,400,000	2,000,171	12/28/2012	12/28/2042	Interest Rate Swap		(3,410,607)	12548J-AE-2	A2 ALM XIV Ltd-SERIES 14-14A CLASS	1		5,410,778
57629*AM3	ABS Bank Loans and Corp Bonds	1				12/28/2012	12/28/2042	Interest Rate Swap			74988L-AC-8	A2R2	1		
57629*AM3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				12/28/2012	12/28/2042	Interest Rate Swap			00191Y-AP-9	ARES CLO LTD-SERIES 2015 1-A CLASS B2R	1		
57629*AM3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,500,000	4.512.789	12/28/2012	12/28/2042	Interest Rate Swap			50184K-AW-8	LCM LTD PARTNERSHIP-SERIES 13A CLASS CR	1	4,500,000	4,512,789
	Evergreen Basket of Long Fixed Rate	· ·							-			BENEFIT STREET PARTNERS -BSP 2016-	·		
57629*AM3	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			5,002,950	12/28/2012	12/28/2042	Interest Rate Swap			08181L-AA-5	10A A1 Benefit Street Partners -SERIES 16-	1		5,002,950
57629*AM3	ABS Bank Loans and Corp Bonds	1				12/28/2012	12/28/2042	Interest Rate Swap			08181B-AS-8	9A CLASS BR	1		

SCHEDULE DB - PART C - SECTION 1

ļ	1		thetic Asset) Tra	1		T	1			Components	of the Repl	ication (Synthetic Asset) Transa			
1	2	3	4	5	6	7	8		strument(s) Open				nstrument(s) Held	·	
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9 Description	10 Book/Adjusted Carrying Value	11 Fair Value	12 CUSIP	13 Description	14 NAIC Designation or Other Description	15 Book/Adjusted Carrying Value	16 Fair Value
57629*AM3	Evergreen Basket of Long Fixed Rate					12/28/2012	12/28/2042	Interest Rate Swap			05618L-AH-9	BABSON CLO LTD-BABSN 2014-11A CR			0 750 000
5/629°AM3	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	I				12/28/2012	12/28/2042	Interest Rate Swap	-		00018L-AH-9	BABSON CLU LID-BABSN 2014-11A CR BALLYROCK LTD-SERIES 16-1A CLASS B1	I	8,750,000	
57629*AM3	ABS Bank Loans and Corp Bonds	1				12/28/2012	12/28/2042	Interest Rate Swap			05875F-AC-1		1	3,900,000	
57629*AN1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		20.000.000		12/31/2012	12/31/2042	Interest Rate Swap		(4, 166, 821)	36248M-AJ-6	GT Loan Financing I Ltd -SERIES 2013-1A CLASS AR	1		
	Evergreen Basket of Long Fixed Rate			, ,								Carlyle US CLO 2013-2 Re Term Loan			
57629*AN1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1				12/31/2012	12/31/2042	Interest Rate Swap			14315J-MM-8	RACE POINT CLO LTD-SERIES 13-8A	1	21,082,568	
57629*AN1	ABS Bank Loans and Corp Bonds	1			7,575,829	12/31/2012	12/31/2042	Interest Rate Swap			74982L-AS-9	CLASS CR	1		7,575,829
57629*AN1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5,850,000	E 021 760	12/31/2012	12/31/2042	Interest Rate Swap			64131Q-AC-4	NEUBERGER BERMAN LOAN AD-SERIES 2017-26A CLASS B	4	5,850,000	5.831.760
	Evergreen Basket of Long Fixed Rate	· · · · · · · · · · · · · · · · · · ·						Interest hate Swap				BLUEMOUNTAIN CLO LTD-BLUEM 2014-3A			
57629*AP6	ABS Bank Loans and Corp Bonds	1				12/31/2012	12/31/2042	Interest Rate Swap		(4, 166, 821)	09627R-AL-8	A2AR	1		
57629*AP6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				12/31/2012	12/31/2042	Interest Rate Swap			67104L-AF-4	OHA Loan Funding 2013-2 -OHALF 2013-2A BR	1		
570001100	Evergreen Basket of Long Fixed Rate			40.050.000	10.010.010	10 (01 (00 10	10 /01 /00 /0							40.050.000	10,010,010
57629*AP6	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1				12/31/2012	12/31/2042	Interest Rate Swap			38137P-AU-4	GALAXY CLO LTD-GALXY 2014-18A AR Waters Corporation Gtd Senior Note	l		13,849,848
57629*AP6	ABS Bank Loans and Corp Bonds	1				12/31/2012	12/31/2042	Interest Rate Swap			941848-D0-9	Series H	2		
57629*AQ4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14.300.000		12/31/2012	12/31/2042	Interest Rate Swap		(4 166 821)	55820J-AC-4	MADISON PARK FUNDING LTD-SERIES 2016-21A CLASS A2	1	14.300.000	
	Evergreen Basket of Long Fixed Rate									(4,100,021)					,,
57629*AQ4	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			14,998,785	12/31/2012	12/31/2042	Interest Rate Swap			48250W-AJ-4	KKR CLO 14 Ltd-KKR 14 BR TICP CLO VI 2016-5 LTD-TICP 2016-5A	1		14,998,785
57629*AQ4	ABS Bank Loans and Corp Bonds	1		5,000,000		12/31/2012	12/31/2042	Interest Rate Swap			87248K-AS-3	A2R	1		4,999,920
E7000+404	Evergreen Basket of Long Fixed Rate			4,350,000	4 051 057	10/01/0010	10/01/00/0	Induned Data Com			020053-AS-3	ALM LOAN FUNDING-SERIES 13-8A CLASS		4 050 000	4 051 057
57629*AQ4	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	I		4,350,000	4,351,257	12/31/2012	12/31/2042	Interest Rate Swap	-		U2UU53-AS-3	SYMPHONY CLO LTD-SERIES 14-15A	I	4,350,000	4,351,257
57629*AQ4	ABS Bank Loans and Corp Bonds	1		2,700,000		12/31/2012	12/31/2042	Interest Rate Swap			87154E-AN-0	CLASS CR	1	2,700,000	
57629*AQ4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8.700.000	8.704.985	12/31/2012	12/31/2042	Interest Rate Swap			59983H-AB-5	MILL CREEK CLO II LTD-SR SECD NT CL B-1 144A	1	8.700.000	
	Evergreen Basket of Long Fixed Rate											ARROWMARK COLORADO HOLDI-SERIES 17-			
57629*AQ4	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		4,000,000		12/31/2012	12/31/2042	Interest Rate Swap			28622J-AB-3	7A CLASS B WIND RIVER CLO LTD-SERIES 14-3A	1	4,000,000	3,963,356
57629*AR2	ABS Bank Loans and Corp Bonds	1		2,600,000	(1,566,103)	12/31/2012	12/31/2042	Interest Rate Swap		(4, 166, 821)	88432D-AU-8	CLASS C1R	1		2,600,718
57629*AR2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,400,000		12/31/2012	12/31/2042	Interest Rate Swap			92916M-AC-5	VOYA CLO LTD-VOYA 2017-1A B	1	7.400.000	
	Evergreen Basket of Long Fixed Rate	1							-			PALMER SQUARE CLO LTD-SERIES 15-1A			
57629*AR2	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		5,350,000	5, 358, 437	12/31/2012	12/31/2042	Interest Rate Swap			69689A-AN-0	CLASS A2R DRYDEN SENIOR LOAN FUND-DRSLF 2016-	1		5, 358, 437
57629*AR2	ABS Bank Loans and Corp Bonds	1		4,500,000		12/31/2012	12/31/2042	Interest Rate Swap			26244M-AC-6	45A B	1	4,500,000	
57629*AR2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds					12/31/2012	12/31/2042	Interest Rate Swap			55819T-AU-5	Madison Park Funding XX -SERIES 2016-20A CLASS CR			
5/029"AD2	Evergreen Basket of Long Fixed Rate	1				12/31/2012	12/31/2042	Thterest hate swap				Anchorage Capital CLO Lt-ANCHC			
57629*AR2	ABS Bank Loans and Corp Bonds	1				12/31/2012	12/31/2042	Interest Rate Swap			03328Y-AE-4	2018-1RA B BLUEMOUNTAIN CLO LTD-BLUEM 2013-1A	1		13,746,725
57629*AR2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				12/31/2012	12/31/2042	Interest Rate Swap			09626U-AN-8	BLUEMOUNTAIN CLU LID-BLUEM 2013-1A A2R	1	12,740,000	
	Evergreen Basket of Long Fixed Rate											JFIN CLO 2013 LTD SR SECD DEF NT CL			
57629*AS0	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		10,040,484	5,739,792	12/31/2012	12/31/2042	Interest Rate Swap			46616K-AE-4	B Sound Point CLO II Ltd-SNDPT 2013-	1	10,040,484	9,906,613
57629*AS0	ABS Bank Loans and Corp Bonds	1			7,947,928	12/31/2012	12/31/2042	Interest Rate Swap			83608G-AQ-9	1A A2R	1		7,947,928
57629*AS0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		15,000,000	14,998,620	12/31/2012	12/31/2042	Interest Rate Swap			05682V-AC-9	Bain Capital Credit CLO -SERIES 18- 2A CLASS A2	1	15.000.000	14,998,620
	Evergreen Basket of Long Fixed Rate	•							-			LCM XIX LTD PARTNERSHIP DEF MEZZ NT			,,
57629*AS0	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1				12/31/2012	12/31/2042	Interest Rate Swap			50188Q-AE-1	CL C	1		
57629*AS0	ABS Bank Loans and Corp Bonds	1				12/31/2012	12/31/2042	Interest Rate Swap			38137Q-AC-2	2014–9A B1R	1		
E7600*400	Evergreen Basket of Long Fixed Rate	1		1 100 000	1 000 055	10/01/0010	12/31/2042	Internet Data Suc-			08179M-AC-3	Benefit Street Partners -BSP 2018-	1	1 100 000	1 000 055
57629*AS0	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate			1, 100,000	1,099,955	12/31/2012	12/31/2042	Interest Rate Swap	-		UO1/9M-AC-3	15A A2A TICP CLO VIII LTD-SERIES 2017-8A	I	1, 100,000	1,099,955
57629*AT8	ABS Bank Loans and Corp Bonds	1				12/31/2012	12/31/2042	Interest Rate Swap		(4, 166, 821)	87248W-AC-2	CLASS A2	1	10,000,000	

SCHEDULE DB - PART C - SECTION 1

L		Replication (Syn	thetic Asset) Tr							Components	of the Repl	cation (Synthetic Asset) Transa			
1	2	3	4	5	6	7	8	Derivative Ir	nstrument(s) Open				nstrument(s) Held		
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9 Description	10 Book/Adjusted Carrying Value	11 Fair Value	12 CUSIP	13 Description	14 NAIC Designation or Other Description	15 Book/Adjusted Carrying Value	16 Fair Value
	Evergreen Basket of Long Fixed Rate											OAKTREE CLO LTD-SERIES 14-1A CLASS			
57629*AT8	ABS Bank Loans and Corp Bonds	1			3,445,576	12/31/2012	12/31/2042	Interest Rate Swap			674000-AS-3	BR			3,445,576
57629*AT8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5,900,000	5.899.994	12/31/2012	12/31/2042	Interest Rate Swap			48251F-AB-7	KKR FINANCIAL CLO LTD-SERIES 17 CLASS B		5,900,000	
5/029 A10	Evergreen Basket of Long Fixed Rate					12/31/2012	12/31/2042	Interest nate Swap			402311-AD-7	Voya CLO 2018-2 Ltd-VOYA 2018-2A B1			
57629*AT8	ABS Bank Loans and Corp Bonds	1				12/31/2012	12/31/2042	Interest Rate Swap			92917J-AE-7	1			
57629*AT8	Evergreen Basket of Long Fixed Rate			22,650,000	22.647.735	10/01/0010	10/01/0040	Interest Rate Swap			14315C-ZZ-0	Carlyle US CLO 2017-4 Ri Term Loan		22,650,000	00 047 705
5/629^A18	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		22,650,000		12/31/2012	12/31/2042	Interest Hate Swap			143150-22-0	MAGNETITE CLO LTD-SERIES 14-11A		22,650,000	
57629*AW1	ABS Bank Loans and Corp Bonds	1				04/09/2013	04/09/2043	Interest Rate Swap			55953E-AN-0	CLASS BR 1			6,830,724
1	Evergreen Basket of Long Fixed Rate														
57629*AW1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			5,615,602	04/09/2013	04/09/2043	Interest Rate Swap			12550Y-AG-9	CIFC FUNDING LTD-CIFC 2017-2A C 1 BLUEMOUNTAIN CLO LTD-SERIES 17-1A			5,615,602
57629*AW1	ABS Bank Loans and Corp Bonds	1		4,280,000		04/09/2013	04/09/2043	Interest Rate Swap			09629C-AE-5	CLASS B 1		4,280,000	4,285,093
	Evergreen Basket of Long Fixed Rate								- -						
57629*AW1	ABS Bank Loans and Corp Bonds	1		4,250,000	4,266,741	04/09/2013	04/09/2043	Interest Rate Swap			00163K-AS-7	ALM LOAN FUNDING-ALM 2013-7RA A2R _ 1			4, 266, 741
57629*AW1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,000,000		04/09/2013	04/09/2043	Interest Rate Swap			81883A-AC-3	Shackleton 2015-VII-R CL-SERIES 2015-7RA CLASS B 1		6.000.000	5,999,352
57629"AWT	Evergreen Basket of Long Fixed Rate	1				04/09/2013	04/09/2043	Interest hate Swap			0 10034-40-3	Rockford Tower CLO 2018SERIES 18-			
57629*AW1	ABS Bank Loans and Corp Bonds	1				04/09/2013	04/09/2043	Interest Rate Swap			77342J-AC-7	1A CLASS B 1			7,499,588
	Evergreen Basket of Long Fixed Rate											WELLFLEET CL0 2017-2 LTD-SERIES 17-			
57629*AW1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			6 , 106 , 259	04/09/2013	04/09/2043	Interest Rate Swap			94951M-AC-7	2A CLASS A2 1 NEUBERGER BERMAN CLO LTD-NEUB 2017-			6, 106, 259
57629*AW1	ABS Bank Loans and Corp Bonds	1		4,330,000	4.343.696	04/09/2013	04/09/2043	Interest Rate Swap			64130H-AE-1	24A C		4,330,000	
	Evergreen Basket of Long Fixed Rate	•										NEUBERGER BERMAN CLO LTD-NEUB 2013-			
57629*AW1	ABS Bank Loans and Corp Bonds	1				04/09/2013	04/09/2043	Interest Rate Swap			64129J-AQ-3	14A A1R 1	·		
57629*AV3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	60.000.000	17.970.000		04/09/2013	04/09/2043	Interest Rate Swap		(2 955 922)	74992*-AD-7	RXR Realty, LLC Senior Secured 2			18,329,400
5/028 AV3	Evergreen Basket of Long Fixed Rate	1				04/03/2013	04/03/2043	interest nate Swap			74332 -AD-7	non nearty, LEC Serior Secured 2			10,323,400
57629*AV3	ABS Bank Loans and Corp Bonds	1				04/09/2013	04/09/2043	Interest Rate Swap			50188G-AX-1	LCM XVIII LP-LCM 18A A2R 1	l		
	Evergreen Basket of Long Fixed Rate											EATON VANCE CD0 LTD-SERIES 2013-1A			
57629*AV3	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1				04/09/2013	04/09/2043	Interest Rate Swap			27830B-AQ-7	CLAS A2R 1 OHA CREDIT PARTNERS LTD-SERIES			
57629*AV3	ABS Bank Loans and Corp Bonds	1		12,800,000		04/09/2013	04/09/2043	Interest Rate Swap			67102Q-AK-4	2012-7A CLASS B1R 1	l	12,800,000	
	Evergreen Basket of Long Fixed Rate											MYERS PARK CLO LTD-MYERS 2018-1A A2			
57629*AV3	ABS Bank Loans and Corp Bonds	1				04/09/2013	04/09/2043	Interest Rate Swap			62848F-AC-6	Sounds Point CLO IV-R LT-SERIES 13-			1,996,828
57629*AX9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	55.000.000	26,000,000	22.389.319	04/09/2013	04/09/2043	Interest Rate Swap		(3 613 983)	83609Y-AC-0	Sounds Point GLO IV-R LI-SERIES 13- 3RA CLASS A			
	Evergreen Basket of Long Fixed Rate											SLM STUDENT LOAN TRUST-SERIES 2005-			
57629*AX9	ABS Bank Loans and Corp Bonds	1				04/09/2013	04/09/2043	Interest Rate Swap			78442G-QA-7	6 CLASS B 1			6,938,427
57629*AX9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds			10,775,000	10 701 100	04/09/2013	04/09/2043	Interest Rate Swap			74982L-AQ-3	RACE POINT CLO LTD-SERIES 13-8A CLASS BR 1			
5/629*889	Evergreen Basket of Long Fixed Rate	1				04/09/2013	04/09/2043	Interest Rate Swap			74962L-AQ-3	CLASS BR Carlyle US CLO 2013-4 Re Term Loan			
57629*AX9	ABS Bank Loans and Corp Bonds	1				04/09/2013	04/09/2043	Interest Rate Swap			14315J-RR-2	1			
57000+11/7	Evergreen Basket of Long Fixed Rate		55 000 000	4 450 000	050 007					(0.040.000)		MADISON PARK FUNDING LTD-SERIES 17-		4 450 000	
57629*AY7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		4,450,000		04/09/2013	04/09/2043	Interest Rate Swap			55820R-AG-7	25A CLASS C 2 MAGNETITE CLO LTD-SERIES 2017-19A		4,450,000	4,464,970
57629*AY7	ABS Bank Loans and Corp Bonds	1		1,950,000	1,956,757	04/09/2013	04/09/2043	Interest Rate Swap			55954K-AE-5	CLASS C		1,950,000	
	Evergreen Basket of Long Fixed Rate											Carlyle US CLO 2017-1 Ri Term Loan			
57629*AY7	ABS Bank Loans and Corp Bonds	1				04/09/2013	04/09/2043	Interest Rate Swap			14311C-RR-1				
57629*AY7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10.000.000		04/09/2013	04/09/2043	Interest Rate Swap			033292-AS-2	ANCHORAGE CAPITAL CLO 20-SERIES 13- 1A CLASS A2R			
	Evergreen Basket of Long Fixed Rate			, ,											
57629*AY7	ABS Bank Loans and Corp Bonds	1				04/09/2013	04/09/2043	Interest Rate Swap	 .		00900A-AN-8	AIMCO-SERIES 14-AA CLASS C1R 1			5, 184,831
57629*AY7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	1	7.000.000		04/09/2013	04/09/2043	Interest Rate Swap			50188Q-AC-5	LCM XIX LTD PARTNERSHIP SR NT CL B		7.000.000	
5/629^AY/	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1				04/09/2013	04/09/2043	interest Hate Swap			DU 1880-90-2	TREMAN PK CLO LTD SR SECD NT CL B-1			
57629*AY7	ABS Bank Loans and Corp Bonds	1		4,825,000	4,827,456	04/09/2013	04/09/2043	Interest Rate Swap			89473L-AB-0			4,825,000	4,827,456
	Evergreen Basket of Long Fixed Rate											Tryon Park CLO Ltd-TPCLO 2013-1A			
57629*AY7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			1,000,358	04/09/2013	04/09/2043	Interest Rate Swap			89852T-AN-8	A1JR 1 Canyon Capital CLO Ltd-CANYC 2012-			1,000,358
57629*AY7	ABS Bank Loans and Corp Bonds		1	1,000,000	4 000 050	04/09/2013	04/09/2043	Interest Rate Swap			13876J-AE-2	TRA B		1,000,000	1,000,358

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		Replication (Syn	thetic Asset) Tra	insactions	riophoan	on (Oynaiot		nsactions Open as of Cui			of the Repli	cation (Synthetic Asset) Trans	actions		
1	2	3	4	5	6	7	8	Derivative In	strument(s) Open	•		Cash	Instrument(s) Held		
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9 Description	10 Book/Adjusted Carrying Value	11 Fair Value	12 CUSIP	13 Description	14 NAIC Designation or Other Description	15 Book/Adjusted Carrying Value	16 Fair Value
Number	Evergreen Basket of Long Fixed Rate	Description	Amount	value	I all value	Dale	Dale	Description	value	Fail Value	CUSIF	Description	Description	value	Fall Value
57629*AU5	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate					04/09/2013	. 04/09/2043	Interest Rate Swap			67110H-AA-6	OZLM XIV LTD SR SECD NT CL A-1A BENEFIT STREET PARTNERS -BSP 2017-	1		
57629*AU5	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate			15,000,000	15,003,825		. 04/09/2043	Interest Rate Swap			08179C-AE-1	11A A2A BALLYROCK CLO 2018-1 LTD-SERIES	1		15,003,825
57629*AU5	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate					04/09/2013	. 04/09/2043	Interest Rate Swap			05875H-AC-7	2018–1A CLASS A2 MYERS PARK CLO LTD-MYERS 2018–1A A2	1		
57629*AU5	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate			1,000,000		04/09/2013	. 04/09/2043	Interest Rate Swap			62848F-AC-6	Marble Point CLO XI Ltd-MP11 2017-	1		
57629*BA8	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate		60,000,000	21,900,000	17,543,499	04/09/2013	. 04/09/2043	Interest Rate Swap			56607F-AA-3	2A A	1		
57629*BA8	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate			19,021,315		04/09/2013	. 04/09/2043	Interest Rate Swap			66704J-BD-9	2 CLASS B	1		
57629*BA8	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate					04/09/2013	. 04/09/2043	Interest Rate Swap			66704J-BK-3	1 CLASS B Wellfleet CLO Ltd-SERIES 18-1A	1		
57629*BA8	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate					04/09/2013	. 04/09/2043	Interest Rate Swap			94950J-AC-5	CLASS B Crestline Denali CLO Ltd-SERIES	1		3, 499, 566
57629*BA8	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate					04/09/2013	. 04/09/2043	Interest Rate Swap			22615E-AE-0	2018-1A CLASS C	1		
57629*BA8	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate			1,000,000		04/09/2013	. 04/09/2043	Interest Rate Swap			62848F-AC-6	Allegro CLO VII Ltd-ALLEG 2018-1A	1		
57629*BB6	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate					04/09/2013	. 04/09/2043	Interest Rate Swap			01750C-AA-1	A	1		
57629*BB6	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate			7,000,000	6,999,454	04/09/2013	. 04/09/2043	Interest Rate Swap			48250W-AG-0	KKR CLO 14 Ltd-KKR 14 AR Waters Corporation Gtd Senior Note	1		6,999,454
57629*BB6	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate			7, 100,000		04/09/2013	. 04/09/2043	Interest Rate Swap			941848-D0-9	Series H Carlyle Global Market St-CGMS 2014-	2		
57629*BB6	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate				4,997,465	04/09/2013	. 04/09/2043	Interest Rate Swap			14314L-AE-5	2RA A2 CVP CASCADE CL0 LTD-CVPC 2013-CL01	1		4,997,465
57629*AZ4	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate					04/09/2013	. 04/09/2043	Interest Rate Swap			126612-AJ-9	A1R DRYDEN 64 CL0 LTD-DRSLF 2018-64A A	1		
57629*AZ4	ABS Bank Loans and Corp Bonds 1					04/09/2013	. 04/09/2043	Interest Rate Swap			26251L-AC-8	Fletcher Building Intern Gtd Senior	1		
92553PA*3	. Viacom, Inc. Senior Note		20,000,000	23,554,004	24, 169, 794	12/20/2013	. 03/20/2019	5 Yr Credit Default Swap			Q3915#-AB-2	Note VOYA CLO LTD-SERIES 2017-3A CLASS	2		
57629*BD2	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate			6,800,000	9,553,252	03/05/2014	. 03/05/2034	Interest Rate Swap			92915Q-AE-3	A1B	1		
57629*BD2	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate				6,786,888	03/05/2014	. 03/05/2034	Interest Rate Swap			88434G-AC-9	2017-3A CLASS B KKR FINANCIAL CLO LTD-SERIES 13-1A	1		
57629*BD2	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate			4,920,000	4,937,619	03/05/2014	. 03/05/2034	Interest Rate Swap			48249V-AS-0	CLASS BR	1		4,937,619
57629*BD2	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate			21, 100,000		03/05/2014	. 03/05/2034	Interest Rate Swap			55818Y-BA-8	17A CLASS AR	1		
57629*BD2	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate			21,015,000		03/05/2014	. 03/05/2034	Interest Rate Swap			48249V-AN-1	CLASS A1R	1		
57629*BD2	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate					03/05/2014	. 03/05/2034	Interest Rate Swap			22616C-AA-1	1A CLASS A	1		20,817,243
57629*BD2	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate			7,000,000	6,999,454	03/05/2014	. 03/05/2034	Interest Rate Swap			48250W-AG-0	KKR CLO 14 Ltd-KKR 14 AR MADISON PARK FUNDING LTD-MDPK 2014-	1		6,999,454
57629*BD2	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate					03/05/2014	. 03/05/2034	Interest Rate Swap			55818P-AS-9	12A CR	1		
57629*BC4	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate				23,738,009	03/05/2014	. 03/05/2034	Interest Rate Swap			346845-AC-4	FORT BENNING FAM-UNSECURED	1		
57629*BC4	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate					03/05/2014	. 03/05/2034	Interest Rate Swap			14311D-AY-2	1A CLASS BR	1		11,794,183
57629*BC4	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Inverse			11,213,852		03/05/2014	. 03/05/2034	Interest Rate Swap			38021X-AB-8	2016-A CLASS A2 CHINA SOUTHERN POWER GRI-SENIOR	1		
57629*BC4	Floating Rate Corporate Bonds 1 Evergreen Basket of Long Fixed Rate					03/05/2014	. 03/05/2034	Interest Rate Swap			16892D-AC-2	UNSECURED	1		
57629*BC4	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate			4,008,575	4,053,641	03/05/2014	. 03/05/2034	Interest Rate Swap			29365T-AA-2	ENTERGY TEXAS INC-NOTE THAYER PARK CLO LTDTHAYR 2017-1A	1	4,008,575	4,053,641
57629*BC4	ABS Bank Loans and Corp Bonds 1					03/05/2014	03/05/2034	Interest Rate Swap			883310-AC-8	A2	1	10,850,000	10,852,832

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			thetic Asset) Tra	nsactions						Components	of the Repl	ication (Synthetic Asset) Transa			
1	2	3	4	5	6	7	8	Derivative In:	strument(s) Open				nstrument(s) Held		
		NAIC Designation or Other	Notional	Book/Adjusted Carrying		Effective	Maturity	9	10 Book/Adjusted Carrying	11	12	13	14 NAIC Designation or Other	15 Book/Adjusted Carrying	16
Number	Description	Description	Amount	Value	Fair Value	Date	Date	Description	Value	Fair Value	CUSIP	Description	Description	Value	Fair Value
57629*BE0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				05/19/2014	05/19/2044	Interest Rate Swap		2,924,536	77277L-G0-1	ROCKALL CLO BV EURO CL VF-1 SR SECD	1		
57629*BE0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		45,000,000		05/19/2014	05/19/2044	Interest Rate Swap			13876J-AC-6	Canyon Capital CLO Ltd-CANYC 2012- 1RA A	1	45,000,000	
57629*BE0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		9, 100,000	9, 102, 548	05/19/2014	05/19/2044	Interest Rate Swap			09627R-AN-4	BLUEMOUNTAIN CLO LTD-BLUEM 2014-3A BR HIGHBRIDGE LOAN MANAGEME-HLM 11A-17	1		9, 102, 548
57629*BE0	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		9, 100,000	9, 121,531	05/19/2014	05/19/2044	Interest Rate Swap			40436V-AC-5	C	1		9, 121, 531
57629*BE0	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1				05/19/2014	05/19/2044	Interest Rate Swap			50184N-AP-7	CLASS CR	1		8,977,074
57629*BE0	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		4,600,000	4,634,458	05/19/2014	05/19/2044	Interest Rate Swap			65341K-AJ-5	2016-1A CLASS A1	1	4,600,000	4,634,458
57629*BE0	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1				05/19/2014	05/19/2044	Interest Rate Swap			75884B-AC-2	3A CLASS B Kingsland Ltd-SERIES 18-8A CLASS A	1		
57629*BE0	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		44,978,095		05/19/2014	05/19/2044	Interest Rate Swap			42086P-AC-7	Carlyle US CLO 2017-2 Ri Term Loan	1	44,978,095	44,732,115
57629*BE0	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		23,042,857		05/19/2014	05/19/2044	Interest Rate Swap			14315J-ZZ-5	OHA CREDIT PARTNERS LTD-OAKC 2013-	1		23,063,826
57629*BF7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		20,000,000			05/19/2034	Interest Rate Swap		(248,514)	67105V-AW-4	9A B1R Rockford Tower CLO 2018SERIES 18-	1		20,009,760
57629*BF7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1					05/19/2034	Interest Rate Swap			77342J-AA-1	1A CLASS A Neuberger Berman CLO Ltd-NEUB 2018-	1		
57629*BF7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			6,999,776		05/19/2034	Interest Rate Swap			64130P-AE-3	28A B SYMPHONY CLO LTD-SERIES 13-12A	1	7,000,000	6,999,776
57629*BF7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1					05/19/2034	Interest Rate Swap			13080B-AB-7	CLASS B1R Greywolf CLO V Ltd-GWOLF 2015-1A	1		
57629*BF7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1					05/19/2034	Interest Rate Swap			39808P-AL-0	A1R ARES CLO Ltd-SERIES 18-28RA CLASS B	1	19,900,000	
57629*BF7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1	450.000.000			05/19/2014	05/19/2034	Interest Rate Swap		0 400 000	04017Q-AE-5	Kingsland Ltd-SERIES 18-8A CLASS A	۱ ،	9,000,000	
57629*BG5	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	۱ ۱				05/19/2014	05/19/2044	Interest Rate Swap		3, 189, 299	42086P-AC-7		۱		
57629*BG5	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1					05/19/2044	Interest Rate Swap Interest Rate Swap			03765D-AN-0	APIDOS CLO-APID 2014-18A A2AR CIFC Funding 2018-IV Ltd-SERIES 18- 4A CLASS A1	۱	34,000,000	
57629*BG5	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				05/19/2014	05/19/2044	Interest Rate Swap			38021B-AG-5	4A CLASS AT	۱		
57629*BG5	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				05/19/2014	05/19/2044	Interest Rate Swap			429827-AS-7	HIGHER EDUCATION FUNDING-SERIES	1		6,635,049
57629*BG5	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4, 164, 840			05/19/2044	Interest Rate Swap			429827-AS-7	2004-1 CLASS B2 Palmer Square CLO 2018-1-PLMRS 2018-1A A2			
57629*B05	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1					05/19/2044	Interest Rate Swap			06760E-AE-6	Babson CLO Ltd 2013-I-SERIES 2013- IA CLASS CR	1		
57629*BG5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1					05/19/2044	Interest Rate Swap			63940D-AD-4	Navient Student Loan Tru-SERIES 18- 1A CLASS B	1	9,500,000	
57629*BG5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1					05/19/2044	Interest Rate Swap			64131T-AG-9	Neuberger Berman CLO XVI-SERIES 17- 16SA CLASS C	1		
57629*BG5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1					05/19/2044	Interest Rate Swap			03330A-AE-2	Anchorage Capital CLO 3ANCHC 2014-3RA C	1	7,500,000	
57629*BG5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				05/19/2014	05/19/2044	Interest Rate Swap			38137H-BW-7	Goldentree Loan Opportun-SERIES 2015-11A CLASS BR2	1		
57629*BG5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				05/19/2014	05/19/2044	Interest Rate Swap			39808P-AN-6	Greywolf CLO V Ltd-GWOLF 2015-1A A2R	1		7,964,200
57629*BG5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1			7,961,474	05/19/2014	05/19/2044	Interest Rate Swap			06760G-AC-5	Barings CLO Ltd 2018-I-SERIES 18-1A CLASS B	1		7,961,474
57629*BG5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				05/19/2014	05/19/2044	Interest Rate Swap			01749B-AC-3	Allegro CLO VI Ltd-ALLEG 2017-2A C	۱		
57629*BH3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				05/19/2014	05/19/2044	Interest Rate Swap			00164B-AS-6	ALM LOAN FUNDING-SERIES 2013-7R2A CLASS A2R	۱		
57629*BH3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1			2,519,860	05/19/2014	05/19/2044	Interest Rate Swap			784424-AE-3	SLC STUDENT LOAN TRUST 2-SERIES 07- 1 CLASS B	1	2,539,367	2,519,860

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		Replication (Syn	thetic Asset) Tra	insactions	•	` •	,	nsactions Open as of Cu			of the Repl	cation (Synthetic Asset) Transa	ctions		
1	2	3	4	5	6	7	8	Derivative In	strument(s) Open	•			nstrument(s) Held		
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9 Description	10 Book/Adjusted Carrying Value	11 Fair Value	12 CUSIP	13 Description	14 NAIC Designation or Other Description	15 Book/Adjusted Carrying Value	16 Fair Value
Humbor	Evergreen Basket of Long Fixed Rate	Booonplion	7 tillount			Bato	Dato	Description	Value			OHA LOAN FUNDING LTD-OHALF 2012-1A	Description	Value	
57629*BH3	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		15,000,000	15,014,145	05/19/2014	05/19/2044	Interest Rate Swap			67091H-AK-7	B1R	1		
57629*BH3	ABS Bank Loans and Corp Bonds	1				05/19/2014	05/19/2044	Interest Rate Swap			09628W-AC-6	CLASS A2	1	14,600,000	
57629*BH3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds			13.850.000	40.057.750	05/19/2014	05/19/2044	Interest Rate Swap			09626R-AQ-8	BLUEMOUNTAIN CLO LTD-BLUEM 2012-2A		13.850.000	
5/629^BH3	Evergreen Basket of Long Fixed Rate	I		13,850,000			05/ 19/2044	Interest Hate Swap	-		U9626H-AQ-8	BRISTOL PARK CLO LTD-SERIES 2016-1A	I		13,857,756
57629*BH3	ABS Bank Loans and Corp Bonds	1				05/19/2014	05/19/2044	Interest Rate Swap			11014P-AB-1	CLASS B	1		
57629*BH3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				05/19/2014	05/19/2044	Interest Rate Swap			056828-AC-0	BAIN CAPITAL CREDIT CLO -SERIES BCC 2016-2A CLASS B	1		
57629*BH3	Evergreen Basket of Long Fixed Rate			3.926.010	4 007 101	05 (10 (0014	05 (10 (2044	Induced Data Cours			23340L-AA-2	DRB PRIME STUDENT LOAN T-SERIES		0.000.010	4 007 101
5/629^BH3	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	I			4,027,181	05/19/2014	05/19/2044	Interest Rate Swap			2334UL-AA-2	2015-B CLASS A1 CORVIAS CAMPUS LIVING - HU, LLC -	I		4,027,181
57629*BH3	ABS Bank Loans and Corp Bonds	1		67,500,000	64,793,250	05/19/2014	05/19/2044	Interest Rate Swap			22101#-AA-6	Sr Secd Note 2	2	67,500,000	
57629*BJ9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				05/19/2014	05/19/2044	Interest Rate Swap			858102-AX-4	Steele Creek CLO 2016-1 -SERIES 2016-1A CLASS AR	1	133,500,000	
57629*BJ9	Evergreen Basket of Long Fixed Rate			10,000,000	0 000 700	05 (10 (001)	05 (40 (00 44				04625A-AC-8	ASSURANT CLO I LTD-SERIES 17-1A		40,000,000	0 000 700
2105AvR1A	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	I				05/19/2014	05/19/2044	Interest Rate Swap			U4020A-AC-8	CLASS B	I		9,999,780
57629*BJ9	ABS Bank Loans and Corp Bonds	1			6,999,454	05/19/2014	05/19/2044	Interest Rate Swap			48250W-AG-0	KKR CLO 14 Ltd-KKR 14 AR	1	7,000,000	
57629*BK6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	150,000,000			05/19/2014	05/19/2044	Interest Rate Swap			85816W-AC-8	Steele Creek CLO 2014-1 -SERIES 14- 1RA CLASS A	1		
57000+D//0	Evergreen Basket of Long Fixed Rate			45,000,000	15 000 105	05 (10 (001)	05 (40 (00 44				0000011 111 4			45,000,000	45,000,405
57629*BK6	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	I			15,000,195	05/19/2014	05/19/2044	Interest Rate Swap			88322U-AM-1	THACHER PARK CLO-THRPK 2014-1A BR _ SALEM FIELDS CLO LTD-SERIES 16-2A	I		15,000,195
57629*BK6	ABS Bank Loans and Corp Bonds	1			9, 149, 991	05/19/2014	05/19/2044	Interest Rate Swap			79410U-AC-5	CLASS A2	1		9, 149, 991
57629*BL4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,992,629		05/19/2014	05/19/2044	Interest Rate Swap			17181T-AA-9	CIFC Funding 2018-IV Ltd-SERIES 18- 4A CLASS A1	1	4,992,629	4,999,970
	Evergreen Basket of Long Fixed Rate			05 000 000								ATLAS SENIOR LOAN FUND L-SERIES			
57629*BL4	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		25,300,000		05/19/2014	05/19/2044	Interest Rate Swap			04943A-AC-3	2017-8A CLASS B	I		
57629*BL4	ABS Bank Loans and Corp Bonds	1				05/19/2014	05/19/2044	Interest Rate Swap			87159Q-BG-2		1		
57629*BL4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				05/19/2014	05/19/2044	Interest Rate Swap	<u> </u>		G4301U-AH-7	Harbour Aircraft Investm Series 2017-1 C	1		
	Evergreen Basket of Long Fixed Rate											OHA Loan Funding 2013-2 -OHALF			
57629*BL4	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	I				05/19/2014	05/19/2044	Interest Rate Swap			67104L-AE-7	2013-2A AR Wellfleet CLO 2016-1 Ltd-WELF 2016-	I		
57629*BL4	ABS Bank Loans and Corp Bonds	1		4,000,000	3,999,480	05/19/2014	05/19/2044	Interest Rate Swap			94949R-AW-7	1A CR	1	4,000,000	
57629*BM2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				05/19/2014	05/19/2044	Interest Rate Swap		2,883,804	42086P-AC-7	Kingsland Ltd-SERIES 18-8A CLASS A	1		
57629*BM2	Evergreen Basket of Long Fixed Rate			, , ,	, ,, ,					,	G7818N-ZZ-5	SASOL CHEMICALS (USA) LL TERM LOAN			
-	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			16,882,265	05/19/2014	05/19/2044	Interest Rate Swap	·· ·			AEGIS ASSET BACKED SECUR-SERIES	<u> </u>		
57629*BM2	ABS Bank Loans and Corp Bonds	1		6,367,279	6,638,898	05/19/2014	05/19/2044	Interest Rate Swap			00764M-GG-6	2005-4 CLASS M1	1	6,367,279	
57629*BM2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	<u> </u>	4,557,852	4,056,160	05/19/2014	05/19/2044	Interest Rate Swap	<u> </u>		247358-CC-6	EAIV Delta MSN 15181	1	4,557,852	4,056,160
57000+DU0	Evergreen Basket of Long Fixed Rate			01 550 000	01 540 640	05 (10 (0014	05 /10 /0011	Latarat Data Car			04964W-AQ-8			01 550 000	01 540 640
57629*BM2	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	I				05/19/2014	05/19/2044	Interest Rate Swap				ATRIUM CDO CORP-ATRM 11A BR	I		
57629*BM2	ABS Bank Loans and Corp Bonds	1			13,576,096	05/19/2014	05/19/2044	Interest Rate Swap			64130H-AA-9	24A A	1	13,560,000	13,576,096
57629*BM2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				05/19/2014	05/19/2044	Interest Rate Swap			64130H-AC-5	NEUBERGER BERMAN CLO LTD-NEUB 2017- 24A B1	1	13,600,000	
	Evergreen Basket of Long Fixed Rate				,							SENECA PARK CLO LTD-SPARK 2014-1A			
57629*BM2	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	I	·		15,000,150	05/19/2014	05/19/2044	Interest Rate Swap	-		817176-AN-0	B1R LA Stadium Finance Compa Senior	I		
57629*BM2	ABS Bank Loans and Corp Bonds	1				05/19/2014	05/19/2044	Interest Rate Swap			50512#-AE-2	Secured	2		
57629*BN0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	135,000,000	130,592,324		05/19/2014	05/19/2044	Interest Rate Swap		2,974,237	05363U-AS-2	AVERY POINT CLO LTD-SERIES 14-1A CLASS AR	1	130,592,324	130,608,909
	Evergreen Basket of Long Fixed Rate											CIFC Funding 2018-IV Ltd-SERIES 18-			
57629*BN0	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		5,591,745	5 , 599 , 966	05/19/2014	05/19/2044	Interest Rate Swap	-		17181T-AA-9	4A CLASS A1 ROCKALL CLO BV Variable Funding	1	5,591,745	5,599,966
57629*BP5	ABS Bank Loans and Corp Bonds	1				05/09/2014	05/09/2034	Interest Rate Swap			77277L-B8-9	Note - GBP	1		

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		Replication (Syn	thetic Asset) Tr	ansactions	. spiloati	(-)		ansactions Open as of			of the Repl	cation (Synthetic Asset) Trans	actions		
1	2	3	4	5	6	7	8	Derivativ	e Instrument(s) Open				Instrument(s) Held		
		NAIC Designation or Other	Notional	Book/Adjusted Carrying		Effective	Maturity	9	10 Book/Adjusted Carrying	11	12	13	14 NAIC Designation or Other	15 Book/Adjusted Carrying	16
Number	Description	Description	Amount	Value	Fair Value	Date	Date	Description	Value	Fair Value	CUSIP	Description	Description	Value	Fair Value
Number	Evergreen Basket of Long Fixed Rate	Description	Anodin	Value		Date	Date	Description	Value		00011	Apollo Credit Funding IV-SERIES 4A	Description	Value	
57629*BP5	ABS Bank Loans and Corp Bonds	1			14,997,585	05/09/2014	05/09/2034	. Interest Rate Swap			03765W-BC-1	CLASS A1BR	1		14,997,585
57629*BP5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,570,000		05/09/2014	05/09/2034	Interest Rate Swap			04016P-AC-2	ARES CLO LTD-SERIES 17-43A CLASS B	1	13,570,000	13,580,856
01020 010	Evergreen Basket of Long Fixed Rate	·										CRESTLINE DENALI CLO XV -SERIES 17-	'		
57629*BP5	ABS Bank Loans and Corp Bonds	1			13,573,542	05/09/2014	05/09/2034	. Interest Rate Swap			22616C-AC-7	1A CLASS B ROCKFORD TOWER CLO 2018ROCKT	1		13,573,542
57629*BP5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13.528.418	13.554.395	05/09/2014	05/09/2034	Interest Rate Swap			77342K-AA-8	2018-2A A	1	13.528.418	13.554.395
	Evergreen Basket of Long Fixed Rate											OHA Credit Partners XV L-SERIES 17-			
57629*BR1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		0	14,788,781	07/22/2014	07/22/2044	. Interest Rate Swap		1,840,151	67707B-AB-6	15A CLASS B Regatta XIII Funding LLC-SERIES 18-	1		
57629*BR1	ABS Bank Loans and Corp Bonds	1		13,300,000		07/22/2014		Interest Rate Swap			75888F-AE-5	2A CLASS A2	1	13,300,000	13,298,630
	Evergreen Basket of Long Fixed Rate											OHA Credit Funding 1 LTD-SERIES 18-			I
57629*BR1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1				07/22/2014	07/22/2044	. Interest Rate Swap			67115W-AG-5	1A CLASS B CIFC Funding 2018-II Ltd-CIFC 2018-	1		
57629*BR1	ABS Bank Loans and Corp Bonds	1			14,999,475	07/22/2014	07/22/2044	Interest Rate Swap			17180W-AC-9	2A A2	1		14,999,475
57629*BR1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,500,000	10 /00 700	07/22/2014	07/22/2044	Interest Rate Swap			03329A-AE-5	Anchorage Capital CLO Lt-SERIES 2014-5RA CLASS B	1	13,500,000	
5/629°BH1	Evergreen Basket of Long Fixed Rate	1			13,430,732	0//22/2014	0772272044	. Interest Hate Swap			U3329A-AE-3	DELTA AIR LINES INC AIRBUS A330-200	1		13,430,732
57629*BR1	ABS Bank Loans and Corp Bonds	1				07/22/2014	07/22/2044	Interest Rate Swap			247361-PP-9	N856NW	1		
57629*BR1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1			35 062 265	07/22/2014		Interest Rate Swap			14315J-AL-3	CARLYLE GLOBAL MARKET ST-SERIES 17- 2A CLASS A1B	1		
57025 Ditt	Evergreen Basket of Long Fixed Rate	1				0172272014		. Interest nate onap				HIGHBRIDGE LOAN MANAGEME-SERIES	1		
57629*BR1	ABS Bank Loans and Corp Bonds	1			5,916,266	07/22/2014	07/22/2044	Interest Rate Swap			40436X-AG-2	2014 CLASS BR	1	5,900,000	5,916,266
57629*BR1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,500,000		07/22/2014	07/22/2044	Interest Rate Swap			553205-AC-9	MP CLO III LTD-MP3 2013-1A AR	1	14.500.000	
	Evergreen Basket of Long Fixed Rate											GT Loan Financing Ltd -SERIES			, , ,
57629*BT7	ABS Bank Loans and Corp Bonds	1		0		07/22/2014	07/22/2044	Interest Rate Swap		1,851,518	36248M-AJ-6	2013-1A CLASS AR WIND RIVER CLO LTD-SERIES 14-3A	1		
57629*BT7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1			11,400,160	07/22/2014		Interest Rate Swap			88432D-AS-3	CLASS BR	1		
	Evergreen Basket of Long Fixed Rate											WIND RIVER CLO LTD-SERIES 17-2A			
57629*BT7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1				07/22/2014	07/22/2044	. Interest Rate Swap			88433R-AC-6	CLASS A	1		
57629*BT7	ABS Bank Loans and Corp Bonds	1				07/22/2014		Interest Rate Swap			04016P-AA-6	ARES CLO LTD-ARES 2017-43A A	1		
57000+DT7	Evergreen Basket of Long Fixed Rate			8,500,000	0 505 700	07/00/0044	07/00/00/4				45000T AW 0	CEDAR FUNDING LTD-SERIES 13-1A		0 500 000	0.505.700
57629*BT7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	I		8,500,000	8,505,763	07/22/2014	07/22/2044	. Interest Rate Swap			15032T-AW-6	CLASS BR CIFC FUNDING LTD-SERIES 17-4A CLASS	I		8,505,763
57629*BT7	ABS Bank Loans and Corp Bonds	1				07/22/2014	07/22/2044	Interest Rate Swap			12551J-AE-6	A2	1		
57629*BT7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		.5, 100,000	5 116 001	07/22/2014	07/22/2044	Interest Rate Swap			06760B-AJ-1	BABSON CLO LTD-SERIES 17-1A CLASS C	1	5,100,000	
5/029 017	Evergreen Basket of Long Fixed Rate	1				0//22/2014		. Interest nate Swap			007000-A0-1	MARBLE POINT CLO X LTD-SERIES 2017-	1		
57629*BT7	ABS Bank Loans and Corp Bonds	1			5, 103, 759	07/22/2014	07/22/2044	Interest Rate Swap			566061-AE-7	1A CLASS B	1	5,100,000	5, 103, 759
57629*AX9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	L	3,400,000	3.419.482	04/09/2013	04/09/2043	Interest Rate Swap			55818Y-BG-5	MADISON PARK FUNDING LTD-SERIES 15- 17A CLASS CR	1	3,400,000	3,419,482
	Evergreen Basket of Long Fixed Rate											OHA CREDIT PARTNERS LTD-SERIES			
57629*AX9	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		2,975,000	2,980,709	04/09/2013	04/09/2043	Interest Rate Swap			67102Q-AP-3	2012-7A CLASS CR TCI-CENT CLO 2016-1 LTDTCENT	1	2,975,000	2,980,709
57629*AX9	ABS Bank Loans and Corp Bonds	1			6 , 550 , 909	04/09/2013	04/09/2043	Interest Rate Swap			87231L-AC-5	2016-1A A2	1		6, 550, 909
	Evergreen Basket of Long Fixed Rate											WELLFLEET CLO LTD-WELF 2017-1A A1			
57629*AX9	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1				04/09/2013		Interest Rate Swap			94950G-AA-5	WIND RIVER CLO LTD-SERIES 16-2A	¹		9, 257, 668
57629*AX9	ABS Bank Loans and Corp Bonds	1			5,751,472	04/09/2013	04/09/2043	. Interest Rate Swap			88433B-AC-1	CLASS B	1		5,751,472
57000+DU4	Evergreen Basket of Long Fixed Rate		125.000.000	17 000 000	18.851.688	07/00/0014	07 (00 (00 44	Latenant Data Cours		1 051 540	04014W-AL-9			17 000 000	17,000,170
57629*BU4	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	۱	125,000,000	0		07/22/2014	07/22/2044	Interest Rate Swap		I,851,518	04014W-AL-9	ARES CLO LTD-ARES 2014-1A A2R Steele Creek Clo 2018-2 -SERIES	¹		
57629*BU4	ABS Bank Loans and Corp Bonds	1				07/22/2014	07/22/2044	. Interest Rate Swap			85816L-AA-6	2018-2A CLASS A	1		
57629*BU4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		22,550,000	22 501 570	07/22/2014	07/22/2044	Interest Rate Swap			14315J-SS-9	Carlyle US CLO 2013-1 Re Term Loan	1	22,550,000	
J/023"D04	Evergreen Basket of Long Fixed Rate	1		22,000,000		01/22/2014		interest nate owap			140100-00-9	MADISON PARK FUNDING LTD-MDPK 2014-	¹		
57629*BU4	ABS Bank Loans and Corp Bonds	1				07/22/2014	07/22/2044	. Interest Rate Swap			55818P-AN-0	12A B1R	1		
57629*BU4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,305,963	8 230 370	07/22/2014	07/22/2044	Interest Rate Swap			75887N-AC-3	REGATTA VI FUNDING LTD-SER 2016-1A	1	8,305,963	8.230.370
JIU23"DU4	ADO DAHK LUAHS AND OUTP DUNUS	1			0,230,370	01/22/2014		interest nate owap			1300/11-40-3	µ∟ л	1	o, o∪o, 903	0,230,370

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		Replication (Syn	thetic Asset) Tr	ansactions			,	nsactions Open as of Cu			of the Repli	cation (Synthetic Asset) Transa	ctions		
1	2	3	4	5	6	7	8	Derivative In	nstrument(s) Open			Cash I	nstrument(s) Held		
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9 Description	10 Book/Adjusted Carrying Value	11 Fair Value	12 CUSIP	13 Description	14 NAIC Designation or Other Description	15 Book/Adjusted Carrying Value	16 Fair Value
	Evergreen Basket of Long Fixed Rate											GoldentTree Loan Managem-GLM 2017-			
57629*BU4	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			6,913,131	07/22/2014	07/22/2044	Interest Rate Swap			38136F-AL-7	1A C LCM LTD PARTNERSHIP-SERIES 15A		6,900,000	6,913,131
57629*BU4	ABS Bank Loans and Corp Bonds	1			5,658,769	07/22/2014	07/22/2044	Interest Rate Swap			50184N-AN-2	CLASS BR	1		5,658,769
57629*BU4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		.9.091.006		07/22/2014	07/22/2044	Interest Rate Swap			61945C-AA-1	MOSAIC CO/THE-SENIOR UNSECURED NOTE	2		
	Evergreen Basket of Long Fixed Rate	_		23.000.000	04 550 540							RRPF Engine Leasing Ltd Senior			
57629*BU4	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		23,000,000		07/22/2014	07/22/2044	Interest Rate Swap			G7332#-AG-8	Secured2 ARES CLO Ltd-SERIES 18-28RA CLASS B	2		
57629*BV2	ABS Bank Loans and Corp Bonds	1		D7,000,000 .		07/22/2014	07/22/2044	Interest Rate Swap			04017Q-AE-5	REGATTA VIII FUNDING LTD-SERIES	1	7,000,000	6,999,853
57629*BV2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,600,000		07/22/2014	07/22/2044	Interest Rate Swap			75888K-AC-8	2017-1A CLASS B	1	7,600,000	
57629*BV2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				07/22/2014	07/22/2044	Interest Rate Swap			00900C-AA-2	AIMCO-AIMCO 2017-AA A	1		
	Evergreen Basket of Long Fixed Rate	1										Ares XXXIR CLO Ltd-SERIES 14-31RA			
57629*BV2	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1				07/22/2014	07/22/2044	Interest Rate Swap			04017T-AC-3	CLASS A2 DRYDEN SENIOR LOAN FUND-SERIES 17-	1		
57629*BV2	ABS Bank Loans and Corp Bonds	1				07/22/2014	07/22/2044	Interest Rate Swap			26244Q-AB-9	49A CLASS B	1		11,809,180
57629*BV2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		41,979,555		07/22/2014	07/22/2044	Interest Rate Swap			42086P-AC-7	Kingsland Ltd-SERIES 18-8A CLASS A	1	41,979,555	41,749,974
	Evergreen Basket of Long Fixed Rate											JFIN CLO 2016 LTD - Sr Secd Nt CIA-			
57629*BV2	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1				07/22/2014	07/22/2044	Interest Rate Swap			46619T-AA-0	1	1		15,002,985
57629*BV2	ABS Bank Loans and Corp Bonds	1			6, 199, 752	07/22/2014	07/22/2044	Interest Rate Swap			09625J-AW-4	CLASS DR 2	2	6,200,000	6, 199, 752
57629*BW0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125.000.000	4,478,376		07/22/2014	07/22/2044	Interest Rate Swap		1.817.417	247358-XT-6	EAIV Delta MSN 15166	1	4.478.376	3,993,824
	Evergreen Basket of Long Fixed Rate	_	,,,									STATE BOARD OF REGENTS 0-SERIES			
57629*BW0	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		6,945,845		07/22/2014	07/22/2044	Interest Rate Swap	-		91754R-ZG-5	USBR 2017-1 CLASS B	l	6,945,845	6,962,000
57629*BW0	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		5,272,893	5,255,564	07/22/2014	07/22/2044	Interest Rate Swap			78443K-AK-2	9 CLASS B TICP CLO VI 2016-5 Ltd-TICP 2016-5A	1	5,272,893	5,255,564
57629*BW0	ABS Bank Loans and Corp Bonds	1				07/22/2014	07/22/2044	Interest Rate Swap			87248K-AL-8	BR	1		15,095,485
57629*BW0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4.651.787	4 660 679	07/22/2014	07/22/2044	Interest Rate Swap			57643L-FG-6	MASTR ASSET BACKED SECUR-SERIES 2004-0PT2 CLASS A1	1	4,651,787	4,660,678
	Evergreen Basket of Long Fixed Rate	1							-						
57629*BW0	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		5,295,000	5,316,768	07/22/2014	07/22/2044	Interest Rate Swap			03766G-AG-7	APIDOS CLO-SERIES 17-26A CLASS B GOAL STRUCTURED SOLUTION-SERIES	1	5,295,000	5, 316, 768
57629*BW0	ABS Bank Loans and Corp Bonds	1				07/22/2014	07/22/2044	Interest Rate Swap			38021G-AC-3	2016-B CLASS A2	1		13, 177, 978
57629*BW0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				07/22/2014	07/22/2044	Interest Rate Swap			33882G-AA-6	FLATIRON CLO LTD-FLAT 2017-1A A	1	16,300,000	
57629*BW0	Evergreen Basket of Long Fixed Rate				40.077.040	07/22/2014	07/22/2044	Interest Rate Swap			150323-AQ-6	CEDAR FUNDING LTD-SERIES 14-4A CLASS BR			
	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1						-	-			ATLAS SENIOR LOAN FUND L-SERIES 17-	I		
57629*BW0	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1				07/22/2014	07/22/2044	Interest Rate Swap			04943A-AE-9	8A CLASS C Highbridge Loan Manageme-SERIES 4A-	1		12,549,682
57629*BW0	ABS Bank Loans and Corp Bonds	1				07/22/2014	07/22/2044	Interest Rate Swap			44330G-AE-3	2014 CLASS A2R	1		
57629*BW0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				07/22/2014	07/22/2044	Interest Rate Swap			76761R-AE-9	Riserva Clo Ltd-SERIES 2016-3A CLASS C1	1	4,250,000	4,266,248
	Evergreen Basket of Long Fixed Rate		[TCI-CENT CL0 2016-1 LTDTCENT			
57629*BW0	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			8,533,193	07/22/2014	07/22/2044	Interest Rate Swap			87231L-AA-9	2016-1A A1 MYERS PARK CLO LTD-MYERS 2018-1A A2	1		8,533,193
57629*BW0	ABS Bank Loans and Corp Bonds	1				07/22/2014	07/22/2044	Interest Rate Swap			62848F-AC-6		1		
57629*BZ3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		0		08/27/2014	08/27/2044	Interest Rate Swap		(155,022)	67092R-AA-6	OCP CLO 2016-12 Ltd-SERIES 16-12A CLASS A1	1		10,499,990
57629*BZ3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				08/27/2014	08/27/2044	Interest Rate Swap			78443G-AJ-4	SLM STUDENT LOAN TRUST 2-SERIES 06- 7 CLASS B	1		
	Evergreen Basket of Long Fixed Rate								-			VOYA CLO 2017-4 LTD-SERIES 17-4A			, ,
57629*BZ3	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			7,850,262	08/27/2014	08/27/2044	Interest Rate Swap			92916Q-AC-6	CLASS B CARLYLE GLOBAL MARKET ST-CGMS 2017-	1	7,900,000	7,850,262
57629*BZ3	ABS Bank Loans and Corp Bonds	1				08/27/2014	08/27/2044	Interest Rate Swap			14314B-AC-1	1A A2	1		15,003,915
57629*BZ3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,560,000	8.570.743	08/27/2014	08/27/2044	Interest Rate Swap			85816B-CQ-1	STEELE CREEK CLO LTD-SERIES 15-1A CLASS BR	1	8.560.000	8.570.743

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		Replication (Syn	thetic Asset) Tra	nsactions		(-)		Insactions Open as of Cu			of the Repl	cation (Synthetic Asset) Transa	actions		
1	2	3	4	5	6	7	8	Derivative In	strument(s) Open	•		Cash	Instrument(s) Held		
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9 Description	10 Book/Adjusted Carrying Value	11 Fair Value	12 CUSIP	13 Description	14 NAIC Designation or Other Description	15 Book/Adjusted Carrying Value	16 Fair Value
57629*BZ3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				08/27/2014	08/27/2044	Interest Rate Swap			92912V-AN-5	VOYA CLO LTD-VOYA 2014-2A A1R	1		9,061,964
57629*CA7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		60,500,000		08/27/2014	08/27/2044	Interest Rate Swap		(136,785)	126612-AJ-9	CVP CASCADE CLO LTD-CVPC 2013-CLO1 A1R	1		
57629*CB5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1			6,618,907	08/27/2014	08/27/2044	Interest Rate Swap		(182,378)	398080-AN-1	GREYWOLF CLO LTD-SERIES 2014-2A CLASS BR	1	6,800,000	
57629*CB5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1			6,799,497	08/27/2014	08/27/2044	Interest Rate Swap			00900A-AJ-7	AIMCO-SERIES 14-AA CLASS B1R	1		
57629*CB5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				08/27/2014	08/27/2044	Interest Rate Swap			67112K-AB-5	OCP CLO Ltd-SERIES 18-15A CLASS A2	1		
57629*CB5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,600,000		08/27/2014	08/27/2044	Interest Rate Swap			87154E-AQ-3	SYMPHONY CLO LTD-SYMP 2014-15A DR .	2		
57629*CB5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14, 100,000		08/27/2014	08/27/2044	Interest Rate Swap			06759Y-AA-3	BARINGS CLO LTD-BABSN 2016-3A A1	1		
57629*CB5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		2,350,000		08/27/2014	08/27/2044	Interest Rate Swap			14954W-AQ-9	BAIN CAPITAL CREDIT CLO -SERIES 2017-2A CLASS CR	1	2,350,000	
57629*CB5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				08/27/2014	08/27/2044	Interest Rate Swap			045487-AA-3	ASSOC BANC-CORP-SR UNSECURED	2		
57629*003	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1			, ,	08/27/2014	08/27/2044	Interest Rate Swap		(214,293)	94949J-AA-3	Wellfleet CLO 2018-2 Ltd-WELF 2018- 2A A1	1		
57629*CC3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		15,900,000		08/27/2014	08/27/2044	Interest Rate Swap			74988L-AA-2	ALM XIV Ltd-SERIES 14-14A CLASS A1R2	1		
57629*003	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		16,475,000		08/27/2014	08/27/2044	Interest Rate Swap			06760G-AA-9	Barings CLO Ltd 2018-I-SERIES 18-1A CLASS A1	1		
57629*CE9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	150.000.000			09/08/2014	09/08/2044	Interest Rate Swap		(583,420)	42086Q-AA-9	Kingsland VI Ltd-KING 2013-6A AR	1		
57629*CE9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		21,465,000	29.766.933	09/08/2014	09/08/2044	Interest Rate Swap		, , ,	ZZ2066-36-8	AUST & NZ BANKING GROUP- SUBORDINATED NOTE	1		29,766,933
57629*CE9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,380,000		09/08/2014	09/08/2044	Interest Rate Swap			55818R-AT-3	MADISON PARK FUNDING LTD-SERIES 14- 14A CLASS C1R	1		
57629*CE9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		2,750,000	2,711,055	09/08/2014	09/08/2044	Interest Rate Swap			04015U-AK-4	Ares XXXVIII CLO Ltd-SERIES 2015- 38A CLASS CR	1	2,750,000	
57629*CE9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				09/08/2014	09/08/2044	Interest Rate Swap			88433R-AG-7	WIND RIVER CLO LTD-SERIES 17-2A CLASS C1	1		
57629*CE9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				09/08/2014	09/08/2044	Interest Rate Swap			00900L-AJ-3	AIMCO CLO Series 2015-A-SERIES 15- AA CLASS CR	1		
57629*CE9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				09/08/2014	09/08/2044	Interest Rate Swap			14315L-AC-8	Carlyle Global Market St-SERIES 14- 3RA CLASS A1B	1		
57629*CG4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				10/06/2014	10/06/2034	Interest Rate Swap			03763Y-AQ-9	APIDOS CLO-APID 2012-11A BR	1		
57629*CG4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				10/06/2014	10/06/2034	Interest Rate Swap			06760G-AB-7	Barings CLO Ltd 2018-I-SERIES 18-1A CLASS A2	1		
57629*CG4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1			20, 110, 070	10/06/2014	10/06/2034	Interest Rate Swap			77341D-AA-5	Rockford Tower CLO 2017ROCKT 2017-3A A	1	20, 100,000	20, 110, 070
57629*CG4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1			5,001,165	10/06/2014	10/06/2034	Interest Rate Swap			817176-AS-9	SENECA PARK CLO LTD-SPARK 2014-1A CR	1		
57629*CH2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1			45, 122, 161	10/06/2014	10/06/2044	Interest Rate Swap		(940,172)	28108R-AA-0	EdLinc Student Loan Fund-ESLFT 2017-A A	1		
57629*CH2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1			7,206,011	10/06/2014	10/06/2044	Interest Rate Swap			61744C-NB-8	MORGAN STANLEY CAPITAL I-SERIES 2005-HE2 CLASS M1	1	7, 192,047	
57629*CH2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,900,000	4,907,541	10/06/2014	10/06/2044	Interest Rate Swap			12481K-AC-2	CBAM 2017-2 LTD-SERIES 17-2A CLASS B1	1	4,900,000	4,907,541
57629*CH2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1			2,951,269	10/06/2014	10/06/2044	Interest Rate Swap			13080B-AD-3	SYMPHONY CLO LTD-SERIES 13-12A CLASS CR	1		2,951,269
57629*CH2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				10/06/2014	10/06/2044	Interest Rate Swap			94950G-AC-1	WELLFLEET CLO LTD-WELF 2017-1A A2	1		20,005,200
57629*CH2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1			14,947,950	10/06/2014	10/06/2044	Interest Rate Swap			55952Y-AR-8	Magnetite VIII Ltd-MAGNE 2014-8A BR2	1		14,947,950
57629*CH2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,400,000	4, 395, 622	10/06/2014	10/06/2044	Interest Rate Swap			88434H-AE-3	THL Credit Wind River 20-SERIES 18- 2A CLASS A2	1	4,400,000	4,395,622
57629*CJ8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	2				10/10/2014	10/10/2044	Interest Rate Swap		<u>(4,075,714)</u>	G7332#-AD-5	RRPF Engine Leasing Ltd Senior Secured	2	60,000,000	

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		Replication (Syn	thetic Asset) Tra	insactions	riophoadie		<i>e i lee el,</i> i la	nsactions Open as of Cu			of the Repli	cation (Synthetic Asset) Transa	ctions		
1	2	3	4	5	6	7	8	Derivative In	nstrument(s) Open				nstrument(s) Held		
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9 Description	10 Book/Adjusted Carrying Value	11 Fair Value	12 CUSIP	13 Description	14 NAIC Designation or Other Description	15 Book/Adjusted Carrying Value	16 Fair Value
57629*CJ8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	2				10/10/2014	10/10/2044	Interest Rate Swap			629394-AA-5	NTC CAPITAL I-UNSECURED BOND 2			
57629*CJ8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	2			20,512,257	10/10/2014	10/10/2044	Interest Rate Swap			230000-AB-7	CULLEN/FROST CAP TR II-SUBORDINATED NOTE			
57629*CJ8	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	2		20,500,000		10/10/2014	10/10/2044	Interest Rate Swap			09627X-AW-1	CLASS A2R 1 CHENANGO PARK CLO LTD-SERIES 18-1A		20,500,000	20,503,526
57629*CJ8	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	2			16 , 197 , 327	10/10/2014	10/10/2044	Interest Rate Swap			16409T-AC-3	CLASS A1B 1 Taconic Park CLO Ltd 201-SERIES			16 , 197 , 327
57629*CJ8	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	2				10/10/2014	10/10/2044	Interest Rate Swap			873549-AC-3	2016-1A CLASS A2 1 GRIPPEN PARK CLO LTD-SERIES 17-1A		16,100,000	16,113,508
57629*CJ8	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	2		7,000,000		10/10/2014	10/10/2044	Interest Rate Swap			39862E-AB-0	CLASS B 1 Dryden XXVIII Senior Loa-DRSLF		7,000,000	7,001,827
57629*CJ8	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	2			,,	10/10/2014	10/10/2044	Interest Rate Swap			26251B-AN-6 78442G-RC-2	2013-28A A2LR 1 SLMA 2005-9 STUDENT LN-BKD NT CL B			
57629*CJ8	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	د ۱		6,068,731 80,000,000	<u>6</u> ,767,855	10/10/2014	10/10/2044	Interest Rate Swap		(2 0/17 2/2)	78442G-RC-2 87271L-AJ-1	TIAA CLO I Ltd-TIA 2016-1A AR 1		<u>6</u> ,068,731 .	<u>6</u> ,767,855
57629*CK5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				11/04/2014	11/04/2044	Interest Rate Swap			04964W-AL-9	ATRIUM CD0 CORP-ATRM 11A A1R 1			
57629*CL3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		65,000,000		11/04/2014	11/04/2044	Interest Rate Swap		(2,924,339)	949496-AC-7	WELLFLEET CLO 2015-1 LTD-SR SECD NT CL A-1 144A 1		65,000,000	
57629*CL3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				11/04/2014	11/04/2044	Interest Rate Swap			67106J-AQ-3	OHA CREDIT PARTNERS LTD-OAKC 2014- 10A BR 1			
57629*CL3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				11/04/2014	11/04/2044	Interest Rate Swap			08181J-AA-0	Benefit Street Partners -SERIES 18- 5BA CLASS A1A 1			
57629*CL3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		1,000,000	1,000,000	11/04/2014	11/04/2044	Interest Rate Swap			48250R-BN-5	KKR CLO 12 Ltd-KKR 12 BR2 1 OHA CREDIT PARTNERS LTD-OAKC 2014-		1,000,000	1,000,000
57629*CM1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			47,274,435	11/04/2014	11/04/2044	Interest Rate Swap		(2,741,115)	67106J-AN-0	10A AR			
57629*CM1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		45,977,608		11/04/2014	11/04/2044	Interest Rate Swap			42086P-AC-7	GOLUB CAPITAL PARTNERS C-SERIES 13-		45,977,608	
57629*CM1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1					11/04/2044	Interest Rate Swap			38172X-AG-4	16A CLASS A1R 1			
57629*CM1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		1,200,000		11/04/2014	11/04/2044	Interest Rate Swap		(0 710 010)	48250R-BN-5	KKR CLO 12 Ltd-KKR 12 BR2 1 ORANGE GROVE ENERGY, L.P DELAYED DRAW TE 2		1,200,000	1,200,000
57629*CN9	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,404,435		11/04/2014	11/04/2044	Interest Rate Swap	-	<u>(</u> 2,718,212)	G6776M-ZZ-9	DRAW IE		14,404,435	
57629*CN9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,057,609	, ,	11/04/2014	11/04/2044	Interest Rate Swap			247358-DD-3	EATV Delta MSN 15161 1		4,057,609	
57629*CN9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4, 180, 340		11/04/2014	11/04/2044	Interest Rate Swap			247358-PP-3	EAIV Delta MSN 15147 1		4, 180, 340	
57629*CN9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4, 180, 505	3,679,497	11/04/2014	11/04/2044	Interest Rate Swap			247358-RR-7	EAIV 2017 Delta MSN 15146 1		4, 180, 505	
57629*CN9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		4,057,609	3,649,413	11/04/2014	11/04/2044	Interest Rate Swap			247358-RW-6	EAIV Delta MSN 15162 1 Arpad Solar Borrower LLC Term Loan		4,057,609	3,649,413
57629*CN9	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		47, 153, 112	47,696,882	11/04/2014	11/04/2044	Interest Rate Swap			83416T-RR-3	2		47, 153, 112	
57629*CN9	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		26,700,000		11/04/2014	11/04/2044	Interest Rate Swap			29108Q-AY-8	EMERSON PARK CLO LTD-SERIES 13-1A . 1			
57629*CN9	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1				11/04/2014	11/04/2044	Interest Rate Swap			G1093*-AA-7	BIF II SAFE HARBOR HOLDINGS LLC 2 ATRIUM CDO CORP-SERIES 9A CLASS AR			
57629*CP4	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1			45,425,857 28,497,663	11/04/2014	11/04/2044	Interest Rate Swap			04964K-AL-5 05682V-AA-3	BAIN CAPITAL CREDIT CLO -SERIES 18- 2A CLASS A1			
57629*0P4	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	۱ 1		28,500,000			11/04/2044	Interest Hate Swap			05682V-AA-3	CAMERON LNG CONSTRUCTION FA 1			28,497,663
57629*02	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		, ,			11/04/2044	Interest Rate Swap		(2.512.084)	46617N-AQ-0	JFIN CLO LTD-SERIES 14-2A CLASS A1AR			

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		Replication (Syn	thetic Asset) Tra	nsactions		(-)		nsactions Open as of Cu			of the Repli	cation (Synthetic Asset) Transa	ctions		
1	2	3	4	5	6	7	8	Derivative In	strument(s) Open			Cash l	nstrument(s) Held		-
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9 Description	10 Book/Adjusted Carrying Value	11 Fair Value	12 CUSIP	13 Description	14 NAIC Designation or Other Description	15 Book/Adjusted Carrying Value	16 Fair Value
57629*CQ2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				11/04/2014	11/04/2044	Interest Rate Swap			74992*-AB-1	RXR Realty, LLC Senior Secured 2			
57629*CQ2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				11/04/2014	11/04/2044	Interest Rate Swap			40437L-AG-7	HPS Loan Management 13-2-HLM 13A-18 B 1		10,490,000	
57629*CQ2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				11/04/2014	11/04/2044	Interest Rate Swap			40436Q-AL-6	HPS Loan Management 9-20-HLM 9A- 2016 A1BR 1			
57629*CR0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000			11/04/2014	11/04/2044	Interest Rate Swap		(2,534,987)	92915P-AK-1	Voya CLO 2014-1 Ltd-INGIM 2014-1A ABR2 1			
57629*CR0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				11/04/2014	11/04/2044	Interest Rate Swap			05363U-AW-3	AVERY POINT IV CLO LTD-SERIES 14-1A CLASS CR 1			
57629*CR0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,660,000	13,695,530		11/04/2044	Interest Rate Swap			04964K-AS-0	ATRIUM CDO CORP-SERIES 9A CLASS CR		13,660,000	13,695,530
57629*CR0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,000,000			11/04/2044	Interest Rate Swap			G7332#-AH-6	RRPF Engine Leasing Ltd Senior Secured			
57629*CR0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,000,000	.9,998,640	11/04/2014	11/04/2044	Interest Rate Swap			04941Y-AJ-8	Atlas Senior Loan Fund X-ATCLO 2018-11A B		10,000,000	
57629*CR0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				11/04/2014	11/04/2044	Interest Rate Swap			87806L-AC-0	TCI-CENT CLO 2016-1 LTDSERIES 17- 1A CLASS A11			
57629*CR0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				11/04/2014	11/04/2044	Interest Rate Swap			12550Y-AC-8	CIFC FUNDING LTD-CIFC 2017-2A A 1			20,023,880
57629*CR0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1					11/04/2044	Interest Rate Swap			035242-AP-1	ANHEUSER-BUSCH INBEV FIN GTD NT 2			
57629*CR0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		1,798,062	1,732,666	11/04/2014	11/04/2044	Interest Rate Swap			664397-AK-2	EVERSOURCE ENERGY-UNSECURED NOTE 2		1,798,062	1,732,666
57629*CS8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				11/04/2014	11/04/2044	Interest Rate Swap		(2.489.181)	55818X-AY-9	MADISON PARK FUNDING LTD-SERIES 2015-16A CLASS A2R			
57629*CS8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,675,000	12,676,027	11/04/2014	11/04/2044	Interest Rate Swap		,,	55953E-AJ-9	MAGNETITE CLO LTD-SERIES 14-11A CLASS A1R 1		12,675,000	12,676,027
57629*CS8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,240,000		11/04/2014	11/04/2044	Interest Rate Swap			03766G-AE-2	APIDOS CLO-SERIES 17-26A CLASS A2 . 1		12,240,000	12,239,816
57629*CS8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,980,000	11,993,250	11/04/2014	11/04/2044	Interest Rate Swap			149420-AE-1	CATSKILL PARK CLO LTDSERIES 17-1A CLASS A2		11,980,000	
57629*CS8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				11/04/2014	11/04/2044	Interest Rate Swap			88434H-AE-3	THL Credit Wind River 20-SERIES 18- 2A CLASS A2 1			4,995,026
57629*CS8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				11/04/2014	11/04/2044	Interest Rate Swap			48250L-AL-3	KKR FINANCIAL CLO LTD-SERIES 9 CLASS AR			
57629*CS8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		23, 100,000		11/04/2014	11/04/2044	Interest Rate Swap			24824T-AQ-3	Denali Capital Clo XII L-DEN12 2016-1A A1R			23,038,415
57629*CS8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,250,000		11/04/2014	11/04/2044	Interest Rate Swap			44330Q-AB-7	Highbridge Loan Manageme-SERIES 12A-18 CLASS A1B		10,250,000	
57629*CS8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				11/04/2014	11/04/2044	Interest Rate Swap			40436V-AA-9	HIGHBRIDGE LOAN MANAGEME-HLM 11A-17 A1			
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				12/16/2014	12/16/2044	Interest Rate Swap		(12,083,963)	39808C-A@-4	GRIDIRON FDG LLC Term Facility 2		39,886,346	40,674,709
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		26,882,610	26,324,083	12/16/2014	12/16/2044	Interest Rate Swap			66704J-CB-2	NORTHSTAR EDUCATION FINA-SERIÉS 07- 1 CLASS B 1		26,882,610	26,324,083
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				12/16/2014	12/16/2044	Interest Rate Swap			05874P-AE-6	BALLYROCK LTD-SERIES 2013-1A CLASS C 1			
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		20,000,000	19,980,000		12/16/2044	Interest Rate Swap			03331J-AA-0	Anchorage Capital CLO Lt-ANCHC 2018-10A A1A1		20,000,000	19,980,000
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				12/16/2014	12/16/2044	Interest Rate Swap			06760J-AE-5	Barings CLO Ltd 2018-II-SERIES 2018-2A CLAS A1B 1			
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,700,000		12/16/2014	12/16/2044	Interest Rate Swap			06760B-AC-6	BABSON CLO LTD-SERIES 17-1A CLASS A2		6,700,000	6,702,566
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,960,000	4,970,952		12/16/2044	Interest Rate Swap			55820R-AE-2	MADISON PARK FUNDING LTD-SERIES 17- 25A CLASS B 1		4,960,000	4,970,952
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		2,575,000	· · · · · ·	12/16/2014	12/16/2044	Interest Rate Swap			08179H-AC-4	Benefit Street Partners -BSP 2017- 12A B		2,575,000	2,562,316
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1					12/16/2044	Interest Rate Swap			38137Q-AA-6	GOLDENTREE LOAN OPPORTUN-SERIES 14- 9A CLASS AR 1			
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8, 100,000		12/16/2014	12/16/2044	Interest Rate Swap			001626-AC-4	ALM XIX Ltd SR SECD NT CL A-2 1		8,100,000	8,115,633

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			nthetic Asset) Tra			1	1			Components	of the Repl	ication (Synthetic Asset) Transa			
1	2	3	4	5	6	7	8	Derivative In	nstrument(s) Open				nstrument(s) Held		
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9 Description	10 Book/Adjusted Carrying Value	11 Fair Value	12 CUSIP	13 Description	14 NAIC Designation or Other Description	15 Book/Adjusted Carrying Value	16 Fair Value
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				12/16/2014	12/16/2044	Interest Rate Swap			08180X-AQ-5	Benefit Street Partners -BSP 2015-		6,425,000	
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds 1						12/16/2044	Interest Rate Swap			67092R-AB-4	OCP CLO 2016-12 Ltd-SERIES 2016-12A CLASS A2		8,257,623	
57629*CT6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1					12/16/2044				144577-TT-0				
	Evergreen Basket of Long Fixed Rate			, ,				Interest Rate Swap		(12,339,630)		Carrix, Inc. Senior Term Loa		, ,	
57629*CT6	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate	1		14,470,000	14,486,206		12/16/2044	Interest Rate Swap			55820R-AC-6	25A CLASS A2 1 Atlas Senior Loan Fund X-SERIES 18-			14, 486, 206
57629*CT6	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate	1					12/16/2044	Interest Rate Swap			04941Y-AC-3	11A CLASS A1L 1 VIBRANT CLO IV LTD-SR SECD NT CL B			
57629*CT6	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate	1		6,341,459	6,297,446	12/16/2014	12/16/2044	Interest Rate Swap			92557W-AE-3	144A 1 ASSURANT CLO III LTD-SERIES 2018-2A		6,341,459	6,297,446
57629*CT6	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate	1		65,000,000	64,997,725	12/16/2014	12/16/2044	Interest Rate Swap			04624W-AC-1	CLASS A 1		65,000,000	
57629*CT6	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate	1		9,433,629	9, 498, 794	12/16/2014	12/16/2044	Interest Rate Swap			48252W-AC-7	KKR CLO LTD 22-SERIES 22A CLASS B _ 1		9,433,629	9,498,794
57629*CT6	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate	1		7,000,000	7,002,765	12/16/2014	12/16/2044	Interest Rate Swap			05618D-AN-4	BABSON CLO LTD-BABSN 2014-IA BR 1 Babson CLO Ltd 2015-I-BABSN 2015-IA	l	7,000,000	
57629*CT6	ABS Bank Loans and Corp Bonds 1	1		2,045,000		12/16/2014	12/16/2044	Interest Rate Swap			056162-AQ-3	BR 1	l		
57629*CT6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds 1	1				12/16/2014	12/16/2044	Interest Rate Swap			69703P-AE-9	Palmer Square CLO 2018-1-PLMRS 2018-1A B 1	l		
57629*CW9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds 1	1				12/16/2014	12/16/2044	Interest Rate Swap		(20,002,104)	39808C-AA-3	Gridiron Fdg LLC Sr Secd Nt 2			
57629*CW9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds 1	1				12/16/2014	12/16/2044	Interest Rate Swap			14307P-AE-5	Carlyle Global Market St-SERIES C17A CLASS A1BR 1			
57629*CW9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds 1	1				12/16/2014	12/16/2044	Interest Rate Swap			05618D-AL-8	BABSON CLO LTD-BABSN 2014-1A A2R 1			
57629*CW9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds 1	1		23,100,000		12/16/2014	12/16/2044	Interest Rate Swap			83610K-AA-1	SOUND POINT CLO LTD-SERIES 2017-2A CLASS A 1			
57629*CW9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12.750.000	12,766,014	12/16/2014	12/16/2044	Interest Rate Swap			50184K-AU-2	LCM LTD PARTNERSHIP-SERIES 13A CLASS BR		12,750,000	
57629*CW9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds 1	1		15.089.088			12/16/2044	Interest Rate Swap			88576P-AE-3	321 HENDERSON RECEIVABLE-SERIES 05- 1A CLASS A11		15,089,088	
57629*CW9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1					12/16/2044	Interest Rate Swap			09627R-AJ-3	BLUEMOUNTAIN CLO LTD-BLUEM 2014-3A			
	Evergreen Basket of Long Fixed Rate						12/16/2044				58806P-AC-2	MERCER FIELD CLO LP-MERCL 2017-1A			
57629*CW9	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate	I						Interest Rate Swap				AZ			
57629*CW9	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate	1					12/16/2044	Interest Rate Swap			03765D-AS-9	APIDOS CLO-APID 2014-18A BR			
57629*CW9	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate	1	-			12/16/2014	12/16/2044	Interest Rate Swap			94949J-AA-3	2A A1 1 BOWMAN PARK CLO LTD-BOWPK 2014-1A			
57629*CW9	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate	1		5,950,000	5,957,878	12/16/2014	12/16/2044	Interest Rate Swap			10302V-BG-9	CR 1 TCI-FLATIRON CLO 2016-1 LTD SR SECD		5,950,000	5,957,878
57629*CW9	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate	1			13,032,422	12/16/2014	12/16/2044	Interest Rate Swap			87230A-AA-4	NT CL A 1 SENECA PARK CLO LTD-SPARK 2014-1A	·		13,032,422
57629*CW9	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate	1			14 , 690 , 353	12/16/2014	12/16/2044	Interest Rate Swap			817176-AL-4	AR			14,690,353
57629*CW9	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate	1			13,503,537	12/16/2014	12/16/2044	Interest Rate Swap			38136F-AG-8	1A B1 1 Cham 2018-5 Ltd-SERIES 18-5A CLASS	l	13,500,000	13,503,537
57629*CW9	ABS Bank Loans and Corp Bonds 1	1			10,962,438	12/16/2014	12/16/2044	Interest Rate Swap			12481Q-AE-5	В1 1			
57629*CU3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds 1	1	250,000,000			12/16/2014	12/16/2044	Interest Rate Swap		(20,875,050)	57542Z-A0-7	MASSMUTUAL ASSET FIN LLC SR SECD REV NT	l		
57629*CV1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds 1	1			(142,433)	12/16/2014	12/16/2044	Interest Rate Swap		(17,067,597)	03328Q-AN-1	ANCHORAGE CAPITAL CLO LT-SERIES 2015-6A CLASS AR 1			
57629*CV1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds 1	1			4,999,380	12/16/2014	12/16/2044	Interest Rate Swap			94950J-AC-5	Wellfleet CLO Ltd-SERIES 18-1A CLASS B 1	·		4,999,380
57629*CV1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds 1	1		6,780,000	6,739,598	12/16/2014	12/16/2044	Interest Rate Swap			33882G-AB-4	FLATIRON CLO LTD-FLAT 2017-1A B 1		6,780,000	6,739,598
57629*CV1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,750.000		12/16/2014	12/16/2044	Interest Rate Swap			36361U-AC-4	GALLATIN CLO LTD-SERIES 17-1A CLASS		9,750,000	9,753,686

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		Replication (Syr	nthetic Asset) Tra	ansactions			,			Components	of the Repli	cation (Synthetic Asset) Transa	actions		
1	2	3	4	5	6	7	8	Derivative In	nstrument(s) Open		· ·	Cash	Instrument(s) Held		
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9 Description	10 Book/Adjusted Carrying Value	11 Fair Value	12 CUSIP	13 Description	14 NAIC Designation or Other Description	15 Book/Adjusted Carrying Value	16 Fair Value
57629*CV1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,400,000		12/16/2014	12/16/2044	Interest Rate Swap			67115W-AE-0	OHA Credit Funding 1 LTD-SERIES 18- 1A CLASS A2	1		
57629*CV1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1				12/16/2014	12/16/2044	Interest Rate Swap			83609J-AA-7	SOUND POINT CLO XI LTD-SR SECD NT CL A 144A BENEFIT STREET PARTNERS -SERIES	1		
57629*CV1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		9,675,000	9,685,894	12/16/2014	12/16/2044	Interest Rate Swap			08179H-AA-8	2017-12A CLASS A1	1		9,685,894
57629*CV1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		8,500,000	8,499,864	12/16/2014	12/16/2044	Interest Rate Swap			78109Q-AE-8	RR 2 LTD-SERIES 17-2A CLASS A2 OAKTREE CLO LTD-SERIES 14-1A CLASS	1		8,499,864
57629*CV1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1					12/16/2044	Interest Rate Swap			674000-AN-4	A1R Carlyle US CLO 2013-3 Re Term Loan	1		17, 149, 429
57629*CV1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1					12/16/2044	Interest Rate Swap			14315J-NN-5	BALLYROCK LTD-SERIES 2013-1A CLASS	1		
57629*CV1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1					12/16/2044	Interest Rate Swap Interest Rate Swap	-		05874P-AC-0 57542Z-A0-7	B MASSMUTUAL ASSET FIN LLC SR SECD REV NT	1		16,600,797 54,067,562
57629*CV1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,400,000			12/16/2044	Interest Rate Swap			00900L-AH-7	AIMCO CLO Series 2015-A-SERIES 15- AA CLASS BR	· 1		6,305,254
57629*CV1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,570,000			12/16/2044	Interest Rate Swap			55818R-AS-5	MADISON PARK FUNDING LTD-SERIES 14- 14A CLASS BR	1		13,570,176
57629*CY5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1			(10,399,525)	02/05/2015	02/05/2045	Interest Rate Swap		(20,499,374)	50181G-AS-9	LCM LTD PARTNERSHIP-SERIES 16A CLASS BR	1		10,099,849
57629*CY5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			10,047,254	02/05/2015	02/05/2045	Interest Rate Swap			92912V-AS-4	VOYA CLO LTD-VOYA 2014-2A BR MANUF & TRADERS TRUST CO-	1		10,047,254
57629*CY5	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			10, 475, 179	02/05/2015	02/05/2045	Interest Rate Swap			564759-QB-7	SUBORDINATED NOTE	1		10, 475, 179
57629*CY5	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			13,521,695		02/05/2045	Interest Rate Swap			87806L-AE-6	1A CLASS A2 BABSON CLO LTD-SERIES 17-1A CLASS	1		13,521,695
57629*CY5	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		13,500,000 12,700,000		02/05/2015	02/05/2045	Interest Rate Swap			06760B-AE-2 398080-AL-5	B1 GREYWOLF CLO LTD-SERIES 2014-2A	1		
57629*015	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				02/05/2015	02/05/2045	Interest Rate Swap			398080-AL-5	CLASS A2R HIGHBRIDGE LOAN MANAGEME-SERIES 2014 CLAS A2R	1		12,700,584
57629*CY5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1					02/05/2045	Interest Rate Swap			14954W-AN-6	BAIN CAPITAL CREDIT CLO -SERIES 17- 2A CLASS BR	1	11,400,000	
57629*CY5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1					02/05/2045	Interest Rate Swap			05682Q-AC-0	BAIN CAPITAL CREDIT CLO -SERIES 17- 1A CLASS A1	1		
57629*CY5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1			13,853,505	02/05/2015	02/05/2045	Interest Rate Swap			09628J-AN-1	BlueMountain CLO 2015-3 -BLUEM 2015-3A A2R	1		13,853,505
57629*CY5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		11,300,000		02/05/2015	02/05/2045	Interest Rate Swap			053633-AH-6	AVERY POINT CLO LTD-SERIES 13-3A CLASS B1R	1	11,300,000	11,300,124
57629*CY5	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		6,734,374	6,606,242	02/05/2015	02/05/2045	Interest Rate Swap			00287Y-AL-3	AbbVie Inc-SENIOR UNSECURED NOTE Madison Park Funding Ltd-SERIES 18-	2	6,734,374	6,606,242
57629*CY5	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		7,400,000		02/05/2015	02/05/2045	Interest Rate Swap			55821T-AC-1	30A CLASS B Tryon Park CLO Ltd-TPCLO 2013-1A	1	7,400,000	
57629*CY5	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		1,085,000		02/05/2015	02/05/2045	Interest Rate Swap			89852T-AN-8	A1JR	1	1,085,000	1,083,249
57629*CZ2	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1	125,000,000		(15,388,281)		02/05/2045	Interest Rate Swap		(20,685,135)	00900C-AE-4	AIMCO-AIMCO 2017-AA C	1	5,280,000	5,296,854
57629*CZ2	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		19,072,126			02/05/2045	Interest Rate Swap			053633-AG-8 05363U-AU-7	CLASS AR AVERY POINT IV CLO LTD-SERIES 14-1A CLASS BR	1		
57629*CZ2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1					02/05/2045	Interest Rate Swap			66704J-AY-4	NORTHSTAR EDUCATION FINA-SERIES 2004-1 CLASS B1			
57629*CZ2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				02/05/2015	02/05/2045	Interest Rate Swap			75887X-AA-5	Regatta Fundinng LtdREG11 2018-1A A	1		
57629*CZ2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,900,000	11,842,975	02/05/2015	02/05/2045	Interest Rate Swap			449258-AA-0	ICG US CLO 2018-1 LTD-SERIES 2018- 1A CLASS A1 ACTAVIS FUNDING SCS-SENIOR	1		11,842,975
57629*CZ2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				02/05/2015	02/05/2045	Interest Rate Swap			00507U-AS-0	ACTAVIS FUNDING SCS-SENIOR UNSECURED NOTE	2		5, 165, 512

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		Replication (Syn	nthetic Asset) Tra	ansactions							of the Repli	cation (Synthetic Asset) Trans			
1	2	3	4	5	6	7	8	Derivative In	nstrument(s) Open			Cash	Instrument(s) Held		
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9 Description	10 Book/Adjusted Carrying Value	11 Fair Value	12 CUSIP	13 Description	14 NAIC Designation or Other Description	15 Book/Adjusted Carrying Value	16 Fair Value
Number	Evergreen Basket of Long Fixed Rate	Decemption	7 unount	Value		Duio	Duio	Description	Value		00011	Neuberger Berman CLO XXI-SERIES	Description	Value	
57629*CZ2	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate				10, 446, 191	02/05/2015	02/05/2045	Interest Rate Swap			64131B-AB-9	2016-22A CLASS B CIFC Funding 2018-IV Ltd-SERIES 18-	1		10,446,191
57629*CZ2	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate	l				02/05/2015	02/05/2045	Interest Rate Swap			17181T-AC-5	4A CLASS A2 Carlyle US CLO 2015-1 Ri Term Loan	1		
57629*DA6	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate			24,425,000	3,906,353	02/05/2015	02/05/2045	Interest Rate Swap		(20,521,090)	14315J-TT-6	MADISON PARK FUNDING LTD-MDPK 2014-	1		
57629*DA6	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate	l		27,200,000		02/05/2015	02/05/2045	Interest Rate Swap			55818R-AQ-9	14A A1R Atlas Senior Loan Fund X-ATCLO	1		
57629*DA6	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate			11,600,000		02/05/2015	02/05/2045	Interest Rate Swap			04942J-AE-1	2018-10A B ROCKFORD TOWER CLO LTD-ROCKT 2017-	1		
57629*DA6	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate	l				02/05/2015	02/05/2045	Interest Rate Swap			77340E-AC-0	1A B NEUBERGER BERMAN CLO LTD-NEUB 2013-	1		
57629*DA6	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate	·		5,730,000		02/05/2015	02/05/2045	Interest Rate Swap			64129J-AU-4	14A B1R ARES XLVII CLO Ltd-SERIES 18-47A	1		5,734,865
57629*DA6	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate						02/05/2045	Interest Rate Swap			04016V-AC-9	CLASS A2	1		
57629*DA6	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate		-	4,300,000		02/05/2015	02/05/2045	Interest Rate Swap			87248T-AE-5	TICP CLO LTD-SERIES 2017 CLASS 7A . OCP CLO 2017-14 Ltd-SERIES 17-14A	1		4,316,809
57629*DA6	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds 1	·				02/05/2015	02/05/2045	Interest Rate Swap			67097Q-AE-5 08179L-AC-5	CLASS A2 Benefit Street Partners -SERIES 18- 14A CLASS A2			
57629*DA6	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds 1				4,999,380	02/05/2015	02/05/2045	Interest Hate Swap			081/9L-AC-5 94950J-AC-5	Wellfleet CLO Ltd-SERIES 18-1A CLASS B	1		
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds 1					02/05/2015	02/05/2045	Interest Rate Swap			94950J-AC-5	BAIN CAPITAL CREDIT CLO -SERIES	1	45,000,000	4,999,380
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds 1						02/05/2045	Interest Rate Swap	-		06760E-AA-4	MAGNETITE CLO LTD-SERIES 17-19A CLASS B	1		
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds 1					02/05/2015	02/05/2045	Interest Rate Swap			92915Q-AG-8	VOYA CLO LTD-SERIES 2017-3A CLASS A2	1	7,200,000	
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds 1	·					02/05/2045	Interest Rate Swap			40436Q-AN-2	HPS Loan Management 9-20-HLM 9A- 2016 A2R	1		
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds 1	l				02/05/2015	02/05/2045	Interest Rate Swap			00900A-AJ-7	AIMCO-SERIES 14-AA CLASS B1R	1		
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds 1	l		25,000,000		02/05/2015	02/05/2045	Interest Rate Swap			87249Q-AA-8	TICP CLO Ltd-TICP 2018-11A A	1		
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds 1	l			14,361,790	02/05/2015	02/05/2045	Interest Rate Swap			06760E-AA-4	Babson CLO Ltd 2013-I-SERIES 2013- IA CLASS AR	1		
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds 1	l				02/05/2015	02/05/2045	Interest Rate Swap			24820R-AA-6	Statoil ASA-SENIOR UNSECURED NOTE .	1		
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds 1 Every Basket of Long Fixed Pate	l		2,685,451		02/05/2015	02/05/2045	Interest Rate Swap			09627X-AG-6	BLUEMOUNTAIN CLO 2015-1 LTD-SR SEC DEF NT CL C Grupo Aeromexico S.A.B. Floating	2		2,700,734
57629*DK4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate				(685,638)	12/05/2016	12/05/2046	Interest Rate Swap		(13,411,511)	MXP001-TT-1	Grupo Aeromexico S.A.B. Floating Rate S SMB PRIVATE ED LN TR 201-SMB	1		
57629*DK4	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate	l				12/05/2016	12/05/2046	Interest Rate Swap			78449F-AC-5	PRIVATE ED LN TR 2015-SMB PRIVATE ED LN TR 2016-A NT NAVIENT STUDENT LOAN TRU-SERIES 16-	1	23,966,064	
57629*DK4	- ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate	l				12/05/2016	12/05/2046	Interest Rate Swap			63940F-AC-1	2 CLASS A3 ECMC GROUP STUDENT LOAN -SERIES	1		
57629*DK4	- ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate	۱	-			12/05/2016	12/05/2046	Interest Rate Swap			26827X-AA-1	2016-1A CLASS A	1		
57629*DK4	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate	l			13,250,411	12/05/2016	12/05/2046	Interest Rate Swap			05618L-AG-1	BABSON CLO LTD-BABSN 2014-11A BR	1		13,250,411
57629*DK4	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate	l				12/05/2016	12/05/2046	Interest Rate Swap			92916M-AB-7	VOYA CLO LTD-VOYA 2017-1A A2	1		11,502,967
57629*DK4	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate	l				12/05/2016	12/05/2046	Interest Rate Swap			05618L-AF-3	BABSON CLO LTD-BABSN 2014-IIA AR Oak Hill Credit Partners-SERIES 15-	1		
57629*DK4	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate	l				12/05/2016	12/05/2046	Interest Rate Swap			67109Y-AN-4	12A CLASS A2R	1		9,999,820
57629*DK4	ABS Bank Loans and Corp Bonds 1 Evergreen Basket of Long Fixed Rate			4, 330,000	4,343,419	12/05/2016	12/05/2046	Interest Rate Swap			85816B-CS-7	CLASS CR	1	4,330,000	4,343,419
57629*DK4	ABS Bank Loans and Corp Bonds 1			4,200,000	4, 143, 859	12/05/2016	12/05/2046	Interest Rate Swap			08180X-AU-6	8A BR	1	4,200,000	4, 143, 859

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		Replication (Syn	thetic Asset) Tra	ansactions	riophoan		07.0000, 114	nsactions Open as of Cu			of the Repli	cation (Synthetic Asset) Transa	actions		
1	2	3	4	5	6	7	8	Derivative In	strument(s) Open				Instrument(s) Held		
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective	Maturity Date	9 Description	10 Book/Adjusted Carrying Value	11 Fair Value	12 CUSIP	13	14 NAIC Designation or Other Description	15 Book/Adjusted Carrying Value	16 Fair Value
Number	Evergreen Basket of Long Fixed Rate	Description	Amount	value	Fair value	Dale	Dale	Description	value	Fair value	CUSIP	Description CRESTLINE DENALI CLO XV -SERIES 17-	Description	value	Fair value
57629*DK4	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		4,380,000	4,387,258	12/05/2016	12/05/2046	Interest Rate Swap			22616C-AE-3	1A CLASS C	1	4,380,000	4,387,258
57629*DK4	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			9,999,570	12/05/2016	12/05/2046	Interest Rate Swap			04965L-AE-8	ATRIUM XIV LLC-ATRM 14A A2A Grupo Aeromexico S.A.B. Floating	1		9,999,570
57629*DJ7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			(2,341,577)	12/05/2016	12/05/2046	Interest Rate Swap		(13,387,403)	MXP001-TT-1	Rate S SLM STUDENT LOAN TRUST-SERIES 2005-	1		
57629*DJ7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			14,293,423	12/05/2016	12/05/2046	Interest Rate Swap			78442G-PQ-3	5 CLASS A4	1	14,058,093	
57629*DJ7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			2,683,968	12/05/2016	12/05/2046	Interest Rate Swap			49327H-AG-0	2006-A CLASS 2A4	1		2,683,968
57629*DJ7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			9,571,234	12/05/2016	12/05/2046	Interest Rate Swap			64031Q-BR-1	2005-1 CLASS A5 SMB PRIVATE EDUCATION LO-SMB 2015-B	1		9,571,234
57629*DJ7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			12, 177, 951	12/05/2016	12/05/2046	Interest Rate Swap			78448Q-AD-0	A3	1		12, 177,951
57629*DJ7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		10,743,929	11,234,613	12/05/2016	12/05/2046	Interest Rate Swap			78442G-RX-6	CL A-6	1		
57629*DJ7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		5, 426, 372	5, 499, 206	12/05/2016	12/05/2046	Interest Rate Swap			78442G-EX-0	7CLASS A11	1		5,499,206
57629*DJ7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			10 , 720 , 934	12/05/2016	12/05/2046	Interest Rate Swap			10620N-AX-6	STUDENT LN REV NT	1		10,720,934
57629*DJ7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			8,053,185	12/05/2016	12/05/2046	Interest Rate Swap			64031Q-BX-8	2005-2 CLASS A5	1		8,053,185
57629*DJ7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			10 , 141 , 563	12/05/2016	12/05/2046	Interest Rate Swap			83715R-AF-9	1 CLASS A2 ACCESS GROUP INC-SERIES 2003-A	1		10 , 141 , 563
57629*DJ7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1				12/05/2016	12/05/2046	Interest Rate Swap			00432C-AV-3	CLASS A3	1		
57629*DJ7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			5,002,310	12/05/2016	12/05/2046	Interest Rate Swap			88322U-AN-9	THACHER PARK CLO-THRPK 2014-1A CR _ Regatta Fundinng LtdREG11 2018-1A	1		5,002,310
57629*DJ7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			12,999,714	12/05/2016	12/05/2046	Interest Rate Swap			75887X-AC-1	B ROCKALL CLO BV Variable Funding	1		12,999,714
57629*DJ7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		4,626,289	4,626,289	12/05/2016	12/05/2046	Interest Rate Swap			77277L-A7-2	Note- USD	1	4,626,289	4,626,289
57629*DJ7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		4,300,000	4,313,833	12/05/2016	12/05/2046	Interest Rate Swap			92558A-AA-8	CLASS A	1	4,300,000	4,313,833
57629*DJ7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			7,258,301	12/05/2016	12/05/2046	Interest Rate Swap			12551R-AC-2	1A CLASS B	1		7,258,301
57629*DJ7	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			4,995,026	12/05/2016	12/05/2046	Interest Rate Swap			88434H-AE-3	2A CLASS A2 Grupo Aeromexico S.A.B. Floating	1	5,000,000	4,995,026
57629*DH1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			2,739,990	12/05/2016	12/05/2046	Interest Rate Swap		(13,703,228)	MXP001-TT-1	Rate S	1		
57629*DH1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		65,300,000		12/05/2016	12/05/2046	Interest Rate Swap			63940L-AC-8	2016-6A CLASS A3	1	65,300,000	
57629*DH1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		23,085,786	23,779,643	12/05/2016	12/05/2046	Interest Rate Swap			61205P-AL-3	1 CLASS A3	1	23,085,786	23,779,643
57629*DH1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			9,999,570	12/05/2016	12/05/2046	Interest Rate Swap			04965L-AE-8	ATRIUM XIV LLC-ATRM 14A A2A	1		9,999,570
57629*DH1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1				12/05/2016	12/05/2046	Interest Rate Swap			78442G-EW-2	7 CLASS A10	1		
57629*DH1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		1,818,264	1,777,401	12/05/2016	12/05/2046	Interest Rate Swap			429827-AK-4	2004-1 CLASS A10	1	1,818,264	1,777,401
57629*DH1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		1, 183, 564	1, 175,688	12/05/2016	12/05/2046	Interest Rate Swap			429827-AP-3	2004-1 CLASS A14 HIGHER EDUCATION FUNDING-SERIES	1	1, 183, 564	1, 175,688
57629*DH1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			1, 126,008	12/05/2016	12/05/2046	Interest Rate Swap			429827-AB-4	2004-1 CLASS A2	1	1,096,138	1, 126,008
57629*DH1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		1,864,014	1,912,669	12/05/2016	12/05/2046	Interest Rate Swap			83715A-AJ-8	SUCIAL CARULINA STUDENT L-SR UNSECURED SLC STUDENT LN TR 2006-1 ASSET BK	1	1,864,014	1,912,669
57629*DH1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		1,657,935	1,782,583	12/05/2016	12/05/2046	Interest Rate Swap			784427-AF-3	NT CL A-6 NELNET STUDENT LOAN TRUS-SERIES	1	1,657,935	1,782,583
57629*DH1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			1,710,733	12/05/2016	12/05/2046	Interest Rate Swap			64033Q-AC-3	NELNET STUDENT LOAN TRUS-SERTES 2015-2A CLASS B 10WA STUDENT LOAN LIQUID-SERTES	1	1,692,495	1,710,733
57629*DH1	ABS Bank Loans and Corp Bonds	1		1,861,340	1,940,904	12/05/2016	12/05/2046	Interest Rate Swap			462590-JT-8	2012-1 CLASS B	1		1,940,904

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		Replication (Syn	thetic Asset) Tr							Components	of the Repl	cation (Synthetic Asset) Transa			
1	2	3	4	5	6	7	8	Derivative Ir	nstrument(s) Open				nstrument(s) Held		
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9 Description	10 Book/Adjusted Carrying Value	11 Fair Value	12 CUSIP	13 Description	14 NAIC Designation or Other Description	15 Book/Adjusted Carrying Value	16 Fair Value
	Evergreen Basket of Long Fixed Rate											PENNSYLVANIA ST HGR EDU -SERIES			
57629*DH1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		1,438,091 .	1,421,508	12/05/2016	12/05/2046	Interest Rate Swap			709163-GJ-2	2006 CL B CIT EDUCATION LOAN TRUST-SERIES		1,438,091	1,421,508
57629*DH1	ABS Bank Loans and Corp Bonds	1		1,120,670	1, 169, 060	12/05/2016	12/05/2046	Interest Rate Swap			17284L-AB-0	2007-1 CLASS B	l	1, 120, 670	1, 169,060
57629*DH1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		1.340.080	1.345.078	12/05/2016	12/05/2046	Interest Rate Swap			78448C-AH-2	SLM STUDENT LOAN TRUST-SERIES 2013- 6 CLASS B	I	1.340.080	1,345,078
	Evergreen Basket of Long Fixed Rate				····							Babson CLO Ltd 2015-I-BABSN 2015-IA			
57629*DH1	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		4,000,000	3,959,988	12/05/2016	12/05/2046	Interest Rate Swap			056162-AS-9	CR Grupo Aeromexico S.A.B. Floating	l	4,000,000	3,959,988
57629*DG3	ABS Bank Loans and Corp Bonds	1		0		12/05/2016	12/05/2046	Interest Rate Swap		(13,700,817)	MXP001-TT-1	Rate S	۱		
57629*DG3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6.281.851	6.531.085	12/05/2016	12/05/2046	Interest Rate Swap			78448R-AD-8	SMB PRIVATE ED LN TR 2015-C LN BCK NT CL A-3	I	6.281.851	6.531.085
	Evergreen Basket of Long Fixed Rate											SMB PRIVATE ED LOAN TR 2015-A LN			
57629*DG3	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		5,496,425	5,720,744	12/05/2016	12/05/2046	Interest Rate Swap			78448P-AD-2	BACKED NT A-3 PANHANDLE-PLAINS TX STUD-SERIES		5,496,425	5,720,744
57629*DG3	ABS Bank Loans and Corp Bonds	1				12/05/2016	12/05/2046	Interest Rate Swap			69847R-AB-8	2001-1 CLASS A2			3,290,277
57629*DG3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,331,510	4.334.387	12/05/2016	12/05/2046	Interest Rate Swap			19458L-BH-2	COLLEGIATE FUNDING SERVI-SERIES 2005-B CLASS A4	I	4.331.510	4,334,387
	Evergreen Basket of Long Fixed Rate											SLM STUDENT LOAN TRUST-SERIES 2011-		,,	
57629*DG3	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		4,676,407	4,720,368	12/05/2016	12/05/2046	Interest Rate Swap			78446D-AC-3	A CLASS A3		4,676,407	4,720,368
57629*DG3	ABS Bank Loans and Corp Bonds	1				12/05/2016	12/05/2046	Interest Rate Swap			63938E-AD-6	2014-1 CLASS A4	۱		3,943,369
57629*DG3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		,224,539		12/05/2016	12/05/2046	Interest Rate Swap			00432C-CF-6	ACCESS GROUP INC DEL 2005-1 ASSET BKD CTF CL A-3	l	,224,539	
	Evergreen Basket of Long Fixed Rate											SOUTH TX HIGHER ED AUTH REV SER 1			
57629*DG3	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1				12/05/2016	12/05/2046	Interest Rate Swap			840555-DA-1	CL A-3 ACCESS GROUP INC-SERIES 2005-B		16,233,781	16,492,658
57629*DG3	ABS Bank Loans and Corp Bonds	1			9,766,915	12/05/2016	12/05/2046	Interest Rate Swap			00432C-CW-9	CLASS A3	l	9,537,444	9, 766, 915
57629*DG3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		.9.982.702		12/05/2016	12/05/2046	Interest Rate Swap			28148W-AC-7	EDUCATIONAL FUNDING OF T-SERIES 2011-1 CLASS B	I	.9.982.702	
	Evergreen Basket of Long Fixed Rate											SLM STUDENT LOAN TRUST-SERIES 07-6		, ,	
57629*DG3	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		9,283,172	9,963,954	12/05/2016	12/05/2046	Interest Rate Swap			78444C-AE-3	CLASS A5		9,283,172	9,963,954
57629*DG3	ABS Bank Loans and Corp Bonds	1				12/05/2016	12/05/2046	Interest Rate Swap			78443F-AF-4	5 CLASS A6 ACADEMIC LOAN FUNDING TR-ALFT 2012-	۱		9, 172, 363
57629*DG3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		.7,506,889		12/05/2016	12/05/2046	Interest Rate Swap			00400V-AB-3	ACADEMIC LOAN FUNDING IR-ALFI 2012- 1A A2			
57000+000	Evergreen Basket of Long Fixed Rate			704 074	0.40 700	40 (05 (0040	10/05/00/0				400500 40 0	IOWA STUDENT LOAN LIQUID-SERIES		704.074	0.40 700
57629*DG3	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1				12/05/2016	12/05/2046	Interest Rate Swap			462592-AD-8	2005-1 CLASS B SLM STUDENT LOAN TRUST-SERIES 2005-	l		
57629*DG3	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1				12/05/2016	12/05/2046	Interest Rate Swap			78442G-QA-7	6 CLASS B GOAL CAPITAL FUNDING TRU-SERIES	l		9,204,712
57629*DG3	ABS Bank Loans and Corp Bonds	1		1,655,075		12/05/2016	12/05/2046	Interest Rate Swap			38021F-AB-7	2015-1 CLASS B	l	1,655,075	1,761,600
57629*DG3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		1,673,879		12/05/2016	12/05/2046	Interest Rate Swap			28138J-AB-0	EDUCATIONAL SERVICES OF -SERIES 15- 2 CLASS B		1,673,879	
	Evergreen Basket of Long Fixed Rate	1							-			SLM STUDENT LOAN TRUST 2003-4 LN			
57629*DG3	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		2,513,776	2,543,827	12/05/2016	12/05/2046	Interest Rate Swap	 -		78442G-GM-2	BKD CTF CL B EDUCATIONAL SERVICES OF -2014-4	l	2,513,776	2,543,827
57629*DG3	ABS Bank Loans and Corp Bonds	1			1,367,130	12/05/2016	12/05/2046	Interest Rate Swap			28090A-AB-5	SERIES B	l	1,353,233	1, 367, 130
57629*DG3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		483,914		12/05/2016	12/05/2046	Interest Rate Swap			83401L-AA-2	SOCIAL PROFESSIONAL LOAN-SERIES 2015-A CLASS A1		483,914	488,312
	Evergreen Basket of Long Fixed Rate										-	Apidos CLO-SERIES 18-29A CLASS A1B	·		
57629*DG3	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			7, 199,093	12/05/2016	12/05/2046	Interest Rate Swap			03767M-AE-8	Greenwood Park CLO Ltd-SERIES 18-1A	l		7 , 199 , 093
57629*DG3	ABS Bank Loans and Corp Bonds	1		4,400,000	4, 355, 890	12/05/2016	12/05/2046	Interest Rate Swap			39729R-AC-2	CLASS B	l	4,400,000	4,355,890
57629*DG3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5.000.000	.4.999.930	12/05/2016	12/05/2046	Interest Rate Swap			13876J-AE-2	Canyon Capital CLO Ltd-CANYC 2012- 1RA B	I		4,999,930
	Evergreen Basket of Long Fixed Rate	1										EDUCATION LOAN ASSET-BAC-SERIES			
57629*DF5	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		0	(7,621,041)	12/06/2016	12/06/2046	Interest Rate Swap	 -	(14,907,790)	281397-AP-4	2003-2 CLASS 2A1 Grupp Aeromexico S.A.B. Floating	l	7, 526, 480	7,286,749
57629*DF5	ABS Bank Loans and Corp Bonds	1				12/05/2016	12/05/2046	Interest Rate Swap			MXP001-TT-1	Rate S	l		12,049,992
57629*DF5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,523,521	1 583 201	12/06/2016	12/06/2046	Interest Rate Swap			66705R-AA-7	NORTHSTAR EDUCATION FINA-NEF 2016-1	I	4,523,521	4.583.294

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[Replication (Syn	thetic Asset) Tr	ansactions	riophoan	on (Oynalou	07.0000, 114	nsactions Open as of Cu			of the Repli	cation (Synthetic Asset) Transa	ictions		
1	2	3	4	5	6	7	8	Derivative In	strument(s) Open				Instrument(s) Held		
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective	Maturity Date	9 Description	10 Book/Adjusted Carrying Value	11 Fair Value	12 CUSIP	13 Description	14 NAIC Designation or Other Description	15 Book/Adjusted Carrying Value	16 Fair Value
Number	Evergreen Basket of Long Fixed Rate	Description	Amount	value		Date	Date	Description	value		0031	EDUCATION LOAN ASSET-BAC-SERIES	Description	value	
57629*DF5	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			6,783,100	12/06/2016	12/06/2046	Interest Rate Swap			281397-AB-5	2003-1 CLASS A2	1	6,659,018	6, 783, 100
57629*DF5	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			5,625,503	12/06/2016	12/06/2046	Interest Rate Swap			64031Q-CK-5	2005-4 CLASS A4R1	1	5,279,447	5,625,503
57629*DF5	ABS Bank Loans and Corp Bonds	1		4,794,646	5,006,409	12/06/2016	12/06/2046	Interest Rate Swap			78443G-AG-0	7 CLASS A6B	1	4,794,646	5,006,409
57629*DF5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,244,474	4,824,720	12/06/2016	12/06/2046	Interest Rate Swap			106238-LJ-5	BRAZOS TX HGR EDU AUTH REVENUE BOND	1	4,244,474	4,824,720
57629*DF5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1			5,880,530	12/06/2016	12/06/2046	Interest Rate Swap			28108Q-AB-0	EDLINC STUDENT LOAN FUND-SERIES 2012-1 CLASS B	1	5,542,577	
57629*DF5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,450,000	4,248,380	12/06/2016	12/06/2046	Interest Rate Swap			281397-AQ-2	EDUCATION LOAN ASSET-BAC-SERIES 2003-2 CLASS 2A2	1	4,450,000	4,248,380
57629*DF5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				12/06/2016	12/06/2046	Interest Rate Swap			38021E-AA-2	GOAL CAPITAL FUNDING TR 2010-1 STUDENT LN BKD NT	1		
57629*DF5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1			4, 118, 256	12/06/2016	12/06/2046	Interest Rate Swap			64031Q-CM-1	NELNET STUDENT LOAN TRUS-SERIES 2005-4 CLASS A4R2	1		4, 118,256
57629*DF5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				12/06/2016	12/06/2046	Interest Rate Swap			658262-GD-6	NORTH CAROLINA STATE EDU-SERIES 2011-2 CLASS A3	1		3,844,156
57629*DF5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		1,895,174	1,989,572	12/06/2016	12/06/2046	Interest Rate Swap			78442G-KW-5	SLM STUDENT LOAN TRUST-SERIES 2004- 1 CLASS A6	1	1,895,174	1,989,572
57629*DF5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				12/06/2016	12/06/2046	Interest Rate Swap			83149E-AG-2	SLM STUDENT LN TR 2006-5-NOTE CL B	1		
57629*DF5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,900,000	13,806,064	12/06/2016	12/06/2046	Interest Rate Swap			26251L-AE-4	Dryden 64 CLO Ltd-DRSLF 2018-64A B	1	13,900,000	
57629*DF5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,082,052	4.207.371	12/06/2016	12/06/2046	Interest Rate Swap			23341K-AA-3	DRB PRIME STUDENT LOAN T-SERIES 2015-D CLASS A1	1	4.082.052	4,207,371
57629*DF5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1			8.890.033	12/06/2016	12/06/2046	Interest Rate Swap			64031C-AB-8	NELNET STUDENT LOAN TRUS-SERIES 2012-2A CLASS B	1		
57629*DF5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				12/06/2016	12/06/2046	Interest Rate Swap			78442G-PS-9	SLM STUDENT LOAN TRUST-SERIES 2005- 5 CLASS B	1		
57629*DF5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3.900.000	3.903.444	12/06/2016	12/06/2046	Interest Rate Swap			87244A-BC-3	WIND RIVER CLO LTD-SERIES 12-1A CLASS BR	1	3,900,000	
	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				12/06/2016	12/06/2046				03328T-AS-4	ANCHORAGE CAPITAL CLO 7 -ANCHC 2015-7A B1R			
57629*DF5	Evergreen Basket of Long Fixed Rate							Interest Rate Swap	-			Tryon Park CLO Ltd-TPCLO 2013-1A			
57629*DF5	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			2,995,158		12/06/2046	Interest Rate Swap			89852T-AN-8	A1JR Grupo Aeromexico S.A.B. Floating			2,995,158
57629*DE8	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			(3,596,750)		12/06/2046	Interest Rate Swap		(14,642,576)		Rate S SOUTH CAROLINA STUDENT L-SERIES	1		11,045,826
57629*DE8	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			9,622,977	12/05/2016	12/05/2046	Interest Rate Swap			83715R-AG-7	2014-1 CLASS B SLC STUDENT LOAN TRUST-SERIES 2005-	1		9,622,977
57629*DE8	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			6,659,994	12/06/2016	12/06/2046	Interest Rate Swap			784420-AE-1	1 CLASS B SLM STUDENT LOAN TRUST-SERIES 2005-	1	6,010,570	6,659,994
57629*DE8	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		5,639,182	5,937,505	12/06/2016	12/06/2046	Interest Rate Swap			78442G-QT-6	8 CLASS B	1	5,639,182	5,937,505
57629*DE8	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			5,871,358	12/06/2016	12/06/2046	Interest Rate Swap			78442G-PD-2	3 CLASS B	1	5,664,256	5,871,358
57629*DE8	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			3,695,893	12/06/2016	12/06/2046	Interest Rate Swap			493268-AU-0	1999-B CLASS CTFS	1		3,695,893
57629*DE8	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		6,644,440	6,684,139	12/06/2016	12/06/2046	Interest Rate Swap			78446C-AB-7	2 CLASS B	1	6,644,440	6,684,139
57629*DE8	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			6,572,845	12/06/2016	12/06/2046	Interest Rate Swap			63938E-AE-4	2014-1 CLASS B	1	6,955,000	6,572,845
57629*DE8	ABS Bank Loans and Corp Bonds	1			5, 165, 978	12/06/2016	12/06/2046	Interest Rate Swap			64031A-AJ-5	2006-3 CLASS B	1		5, 165,978
57629*DE8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6, 183, 974	6,822,648	12/06/2016	12/06/2046	Interest Rate Swap			63939L-AC-1	NAVIENT STUDENT LOAN TRU-SERIES 2015-3 CLASS B	1	6, 183, 974	6,822,648
57629*DE8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,500,000	6,649,634	12/06/2016	12/06/2046	Interest Rate Swap			78447M-AD-0	SLM STUDENT LOAN TRUST-SERIES 2013- 1 CLASS B	1	6,500,000	6,649,634
57629*DE8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1			5,601,640	12/06/2016	12/06/2046	Interest Rate Swap			64033J-AB-1	NELNET STUDENT LOAN TRUS-SERIES 2014-1A CLASS B	1	5,369,345	5,601,640
57629*DE8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,653,736	3,758,851	12/06/2016	12/06/2046	Interest Rate Swap			194266-AE-2	COLLEGE LOAN CORPORATION-SERIES 2005-2 CLASS B	1	3,653,736	

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		Replication (Syn	nthetic Asset) Tra	Insactions				nsactions Open as of Cu			of the Repli	cation (Synthetic Asset) Transa	actions		
1	2	3	4	5	6	7	8	Derivative In	strument(s) Open	•			Instrument(s) Held		
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9 Description	10 Book/Adjusted Carrying Value	11 Fair Value	12 CUSIP	13 Description	14 NAIC Designation or Other Description	15 Book/Adjusted Carrying Value	16 Fair Value
Number	Evergreen Basket of Long Fixed Rate	Description	Amount	Value		Date	Dale	Description	value	i ali value	0031	NELNET STUDENT LOAN TRUS-SERIES	Description	value	
57629*DE8	ABS Bank Loans and Corp Bonds	1		4,467,522		12/06/2016	12/06/2046	Interest Rate Swap			64033N-AB-2	2014-5A CLASS B	1	4,467,522	4,660,070
57629*DE8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3.592.688	3,839,066	12/06/2016	12/06/2046	Interest Rate Swap			194262-CF-6	COLLEGE LOAN CORPORATION-SERIES 2004-1 CLASS B	1	3,592,688	3,839,066
	Evergreen Basket of Long Fixed Rate	·				12/00/2010	12/00/2040		-			SLM STUDENT LOAN TRUST-SERIES 2004		0,392,000	
57629*DE8	ABS Bank Loans and Corp Bonds	1		2,779,349	2,910,354	12/06/2016	12/06/2046	Interest Rate Swap			78442G-LJ-3	- 3 CLASS B	1	2,779,349	2,910,354
57629*DE8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,650,000	3.468.371	12/06/2016	12/06/2046	Interest Rate Swap			64032A-AB-1	NELNET STUDENT LOAN TRUS-SERIES 2012-1A CLASS B	1	3,650,000	
	Evergreen Basket of Long Fixed Rate											NELNET STUDENT LOAN TRUS-SERIES			
57629*DE8	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			3,353,479	12/06/2016	12/06/2046	Interest Rate Swap			64032F-AH-7	2007-2A CLASS A4A2 NELNET STUDENT LOAN TRUS-SERIES	1		3,353,479
57629*DE8	ABS Bank Loans and Corp Bonds	1				12/06/2016	12/06/2046	Interest Rate Swap			64033L-AD-2	2014-2A CLASS B	1		
57629*DE8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,240,000	3 184 055	12/06/2016	12/06/2046	Interest Rate Swap			64033K-AB-8	NELNET STUDENT LOAN TRUS-SERIES 2014-3A CLASS B	1	3,240,000	3, 184, 055
	Evergreen Basket of Long Fixed Rate	1		, ,										, ,	
57629*DE8	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			14,747,891	12/06/2016	12/06/2046	Interest Rate Swap			03767M-AG-3	Apidos CLO-SERIES 18-29A CLASS A2 . Magnetite VIII Ltd-MAGNE 2014-8A	1		14, 747, 891
57629*DE8	ABS Bank Loans and Corp Bonds	1		4,500,000	4,471,335	12/06/2016	12/06/2046	Interest Rate Swap			55952Y-AT-4	CR2	1	4,500,000	4,471,335
57629*DE8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds			2,500,000	2.501.838	12/06/2016	12/06/2046	Interest Rate Swap			94949L-AE-0	WELLFLEET CLO LTD-WELF 2016-2A B		2,500,000	
5/629°DE8	Evergreen Basket of Long Fixed Rate	I				12/06/2016	12/06/2046	Interest Rate Swap	-		94949L-AE-0	Ares XXXVIII CLO LID-WELF 2010-2A B	I	2,500,000	
57629*DE8	ABS Bank Loans and Corp Bonds	1			6,632,417	12/06/2016	12/06/2046	Interest Rate Swap			04015U-AJ-7	CLASS BR	1		6,632,417
57629*DE8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,000,000		12/06/2016	12/06/2046	Interest Rate Swap			48250R-BN-5	KKR CLO 12 Ltd-KKR 12 BR2	1	3,000,000	
	Evergreen Basket of Long Fixed Rate											ATRIUM CDO CORP-SERIES 8A CLASS BR			
57629*DD0	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			(6,090,210)	12/06/2016	12/06/2046	Interest Rate Swap		(14,992,177)	04964H-AN-8	Grupo Aeromexico S.A.B. Floating	1		8,901,967
57629*DD0	ABS Bank Loans and Corp Bonds	1			1,004,166	12/05/2016	12/05/2046	Interest Rate Swap			MXP001-TT-1	Rate S	1		1,004,166
57629*DD0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds				8.910.778	12/06/2016	12/06/2046	Interest Rate Swap			87246M-AB-8	TICP CLO LTD-SERIES 2016-6A CLASS B		8,900,000	8.910.778
5/629°DD0	Evergreen Basket of Long Fixed Rate	1				12/06/2016	12/06/2046	Interest Rate Swap	-		8/240M-AD-8	ATLAS SENIOR LOAN FUND L-ATCLO	I		
57629*DD0	ABS Bank Loans and Corp Bonds	1		8,850,000		12/06/2016	12/06/2046	Interest Rate Swap			04941T-AE-0	2016-7A B1	1		
57629*DD0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				12/06/2016	12/06/2046	Interest Rate Swap			14309Y-AQ-7	CARLYLE GLOBAL MARKET ST-SERIES 2012-4A CLASS BR	1		
	Evergreen Basket of Long Fixed Rate											APIDOS CLO-SERIES 2014-17A CLASS			
57629*DD0	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		8,850,000		12/06/2016	12/06/2046	Interest Rate Swap	-		03764X-AJ-6	A2R	1		8,852,177
57629*DD0	ABS Bank Loans and Corp Bonds	1			7,506,615	12/06/2016	12/06/2046	Interest Rate Swap			06759Y-AC-9	BARINGS CLO LTD-BABSN 2016-3A A2	1		7,506,615
57629*DD0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				12/06/2016	12/06/2046	Interest Rate Swap			03331J-AJ-1	Anchorage Capital CLO Lt-ANCHC 2018-10A B	1		
	Evergreen Basket of Long Fixed Rate											Babson CLO Ltd 2015-I-BABSN 2015-IA			
57629*DD0	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1	-			12/06/2016	12/06/2046	Interest Rate Swap	·· -		056162-AN-0	AR Sounds Point CLO IV-R LT-SERIES 13-	1		12,518,463
57629*DD0	ABS Bank Loans and Corp Bonds	1				12/06/2016	12/06/2046	Interest Rate Swap			83609Y-AE-6	3RA CLASS B	1		
57629*DD0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,200,000	3.199.997	12/06/2016	12/06/2046	Interest Rate Swap			78448A-AD-5	SLM STUDENT LOAN TRUST-SERIES 2013- 4 CLASS B	1	3,200,000	3, 199, 997
	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1				12/00/2010	12/00/2040	Interest nate owap	-			4 ULASS B ACCESS GROUP INC-SERIES 2006-1	I		
57629*DD0	ABS Bank Loans and Corp Bonds	1		1,788,775	1,965,751	12/06/2016	12/06/2046	Interest Rate Swap			00432C-DE-8	CLASS B	1	1,788,775	1,965,751
57629*DD0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		2,479,601	2.498.763	12/06/2016	12/06/2046	Interest Rate Swap			78442G-KN-5	SLM STUDENT LOAN TRUST-SERIES 2003- 14 CLASS A6	1	2,479,601	2,498,763
	Evergreen Basket of Long Fixed Rate		[-				KEYCORP STUDENT LOAN TRU-SERIES			
57629*DD0	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		1,753,091	1,720,972	12/06/2016	12/06/2046	Interest Rate Swap	-		493268-BW-5	2004-A CLASS 1B HIGHER EDUCATION FUNDING-SERIES	1	1,753,091	1,720,972
57629*DD0	ABS Bank Loans and Corp Bonds	1				12/06/2016	12/06/2046	Interest Rate Swap			429827-AR-9	2004-1 CLASS B1	1		
57629*DD0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		2.027.330	2.154.800	12/06/2016	12/06/2046	Interest Rate Swap			429827-AS-7	HIGHER EDUCATION FUNDING-SERIES 2004-1 CLASS B2	1	2.027.330	
	Evergreen Basket of Long Fixed Rate	I		, ,					-			NELNET STUDENT LOAN TRUS-SERIES	1	, ,	
57629*DD0	ABS Bank Loans and Corp Bonds	1		1,942,261	2, 139, 307	12/06/2016	12/06/2046	Interest Rate Swap			64033T-AB-9	2015-3A CLASS B	1	1,942,261	2, 139, 307
57629*DD0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		1,565,913	1.553.477	12/06/2016	12/06/2046	Interest Rate Swap			19458L-BD-1	COLLEGIATE FUNDING SERVI-SERIES 2005-A CLASS B	1	1,565,913	1,553,477
	Evergreen Basket of Long Fixed Rate			, , , ,								ACCESS GROUP INC-SERIES 2015-1			
57629*DD0	ABS Bank Loans and Corp Bonds	1		1,881,106	1,962,354	12/06/2016	12/06/2046	Interest Rate Swap			00435T-AB-7	CLASS B	1	1,881,106	1,962,354

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			thetic Asset) Tra							Components	of the Repl	ication (Synthetic Asset) Transa			
1	2	3	4	5	6	7	8	Derivative In	nstrument(s) Open			Cash	nstrument(s) Held		
		NAIC Designation or Other	Notional	Book/Adjusted Carrying		Effective	Maturity	9	10 Book/Adjusted Carrying	11	12	13	14 NAIC Designation or Other	15 Book/Adjusted Carrying	16
Number	Description	Description	Amount	Value	Fair Value	Date	Date	Description	Value	Fair Value	CUSIP	Description	Description	Value	Fair Value
57629*DD0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		2.832.324	2.884.173	12/06/2016	12/06/2046	Interest Rate Swap			78442G-RY-4	SLM STUDENT LOAN TRUST-SERIES 2006- 2 CLASS B	1	2.832.324	
	Evergreen Basket of Long Fixed Rate			, , , ,								COLLEGE LOAN CORPORATION-SERIES			
57629*DD0	ABS Bank Loans and Corp Bonds	1		3,221,748	2,982,047	12/06/2016	12/06/2046	Interest Rate Swap			194267-AM-2	2007-1 CLASS B2 WACHOVIA STUDENT LOAN TR-SERIES	1	3,221,748	2,982,047
57629*DD0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				12/06/2016	12/06/2046	Interest Rate Swap			92978J-AH-6	2006-1 CLASS B	1	2,522,004	
	Evergreen Basket of Long Fixed Rate											SOUTH CAROLINA STUDENT L-SERIES 15-			
57629*DD0	ABS Bank Loans and Corp Bonds	1		2,069,265		12/06/2016	12/06/2046	Interest Rate Swap			83715R-AH-5	A CLASS A	1	2,069,265	
57629*DD0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		2,485,794		12/06/2016	12/06/2046	Interest Rate Swap			28137T-AB-9	EDUCATIONAL SERVICES OF -SERIES 2014-2 CLASS B	1		
	Evergreen Basket of Long Fixed Rate						12/00/2010					SLM STUDENT LOAN TRUST-SERIES 2006-			
57629*DD0	ABS Bank Loans and Corp Bonds	1		1,925,023	1,991,182	12/06/2016	12/06/2046	Interest Rate Swap			78443B-AK-2	10 CLASS B	1	1,925,023	1,991,182
57629*DD0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		2.389.035	2 322 433	12/06/2016	12/06/2046	Interest Rate Swap			69340Q-AB-2	PENNSYLVANIA HIGHER EDUC-SERIES 2015-1A CLASS B	1	2.389.035	2.322.433
	Evergreen Basket of Long Fixed Rate				, , , ,							EDUCATIONAL SERVICES OF -SERIES			
57629*DD0	ABS Bank Loans and Corp Bonds	1		2, 146,680	2,256,491	12/06/2016	12/06/2046	Interest Rate Swap			281378-AB-5	2015-1 CLASS B	1		2,256,491
57629*DD0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		1,343,861	1 437 497	12/06/2016	12/06/2046	Interest Rate Swap			00432C-AR-2	ACCESS GROUP-STUDENT LN REVENUE NT	1	1,343,861	1,437,497
	Evergreen Basket of Long Fixed Rate											NAVIENT STUDENT LOAN TRUST 2014-8			
57629*DD0	ABS Bank Loans and Corp Bonds	1		7,087,458	7, 171,020	12/06/2016	12/06/2046	Interest Rate Swap			63939D-AD-7	CL B	1	7,087,458	7, 171,020
57629*DD0	Evergreen Basket of Long Fixed Rate	1		9,900,000	9 836 472	12/06/2016	12/06/2046	Interest Rate Swap			69688X-AU-5	Palmer Square CLO 2014-1-SERIES 2014-1A CLASS A2RR	1		
	Evergreen Basket of Long Fixed Rate			, ,								Vibrant CLO Ltd-SERIES 18-9A CLASS			
57629*DC2	ABS Bank Loans and Corp Bonds	1		23,500,000		12/06/2016	12/06/2046	Interest Rate Swap		(14,987,355)	92558V-AC-8	A2	1		
57629*DC2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				12/06/2016	12/06/2046	Interest Rate Swap			94949J-AC-9	Wellfleet CLO 2018-2 Ltd-WELF 2018- 2A A2	1		
	Evergreen Basket of Long Fixed Rate					12/00/2010						ARES XXXIIR CLO LTD-SERIES 14-32RA			
57629*DC2	ABS Bank Loans and Corp Bonds	1				12/06/2016	12/06/2046	Interest Rate Swap			04017E-AE-2	CLASS A1B	1		
57629*DC2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1				12/06/2016	12/06/2046	Interest Rate Swap			55951P-BC-0	Magnetite VII Ltd-MAGNE 2012-7A A2R2	1		
	Evergreen Basket of Long Fixed Rate											HIGHBRIDGE LOAN MANAGEME-HLM 11A-17			
57629*DC2	ABS Bank Loans and Corp Bonds	1				12/06/2016	12/06/2046	Interest Rate Swap			40436V-AB-7	B TCI-FLATIRON CLO LTD-TFLAT 2016-1A	1	13,560,000	
57629*DC2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		2.021.179		12/06/2016	12/06/2046	Interest Rate Swap			87230A-AD-8	D	3	2,021,179	
	Evergreen Basket of Long Fixed Rate			, , ,								· ·			
57629*DC2	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		8,200,000	8,202,952	12/06/2016	12/06/2046	Interest Rate Swap			04964H-AQ-1	ATRIUM VIII-DEF NT CL C-R	1		8,202,952
57629*DC2	ABS Bank Loans and Corp Bonds	1				12/06/2016	12/06/2046	Interest Rate Swap			06759Y-AE-5	BARINGS CLO LTD-BABSN 2016-3A B	1		
	Evergreen Basket of Long Fixed Rate				,,			-				LCM LTD PARTNERSHIP-SERIES 25A			
57629*DC2	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			2,505,695	12/06/2016	12/06/2046	Interest Rate Swap			50189P-AN-2	CLASS C2 WIND RIVER CLO LTD-WINDR 2012-1A CR	1		2,505,695
57629*DC2	ABS Bank Loans and Corp Bonds	1				12/06/2016	12/06/2046	Interest Rate Swap			87244A-BE-9		1		
	Evergreen Basket of Long Fixed Rate											CARLYLE GLOBAL MARKET ST-SERIES			
57629*DC2	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1			6,709,400	12/06/2016	12/06/2046	Interest Rate Swap			14309Y-AY-0	2012-4A CLASS C1R ALM LOAN FUNDING-SERIES ALM 2013-		6,700,000	6,709,400
57629*DC2	ABS Bank Loans and Corp Bonds	1				12/06/2016	12/06/2046	Interest Rate Swap			00164B-AU-1	7R2A CLASS BR	1	5,000,000	
570004000	Evergreen Basket of Long Fixed Rate			5 000 000	5 040 000	10 100 100 10	10 (00 (00 10					ANCHORAGE CAPITAL CLO LT-ANCHC		5 000 000	5 040 000
57629*DC2	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	1		5,000,000	5,013,360	12/06/2016	12/06/2046	Interest Rate Swap			03328W-AE-8	2016-9A C MADISON PARK FUNDING LTD-MDPK 2016-	1		5,013,360
57629*DC2	ABS Bank Loans and Corp Bonds	1		4,750,000	4,762,284	12/06/2016	12/06/2046	Interest Rate Swap			55820N-AE-1	24A C1	1	4,750,000	4,762,284
57629*DC2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds			4,500,000	4.505.211	10/00/0010	12/06/2046	Internet Data Corre			67091H-AP-6	OHA LOAN FUNDING LTD-SERIES 2012-1A CLASS CR		4 500 000	4 505 011
5/029^UUZ	ABS Bank Loans and Corp Bonds Evergreen Basket of Long Fixed Rate	I		4,500,000	4,505,211	12/06/2016	12/06/2046	Interest Rate Swap			0/U9IM-AP-6	CLASS CR Rockford Tower CLO 2017SERIES 17-	I	4,500,000	4,505,211
57629*DC2	ABS Bank Loans and Corp Bonds	1		6,750,000	6,664,248	12/06/2016	12/06/2046	Interest Rate Swap			77341D-AE-7	3A CLASS B	1	6,750,000	6,664,248
57629*DC2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4.375.000	4.381.838	12/06/2016	12/06/2046	Interest Rate Swap			48251B-AE-0	KKR FINANCIAL CLO LTD-KKR 16 B1	1	4.375.000	4,381,838
JI 029"D02	Evergreen Basket of Long Fixed Rate	I		4,3/0,000	4, 381, 838	12/00/2010	12/00/2040	iniciesi nale owap			4020 ID-AE-U	NNN FINANCIAL OLU LIU-NNK 10 BI	I	4,3/3,000	4, 361,838
57629*DC2	ABS Bank Loans and Corp Bonds	1		4,200,000	4,202,453	12/06/2016	12/06/2046	Interest Rate Swap	-		03763Y-AS-5	APIDOS CLO-SERIES 12-11A CLASS CR _	1	4,200,000	4,202,453
57629*DC2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,000,000	4 000 004	12/06/2016	12/06/2046	Interest Rate Swap			09626R-AS-4	BLUEMOUNTAIN CLO LTD-BLUEM 2012-2A	1		4,003,964
57629*DC2 Awaiting PPN	ABS Bank Loans and Corp Bonds	۱ 1					03/28/2019	Currency Forward	-	2,388,196	912828-KQ-2	US TREASURY 3.125% TO 5/15/2019	۱ ۱		
												US TREASURY STRIP 0% DUE 05/15/2023			, ,
Awaiting PPN	Inverse JPY Long Term Bond	1				03/28/2017	04/01/2019	Currency Forward	.		912833-LN-8		1		

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			thetic Asset) Tra	insactions						Components	of the Repl	ication (Synthetic Asset) Transa			
1	2	3	4	5	6	7	8	Derivative In	nstrument(s) Open			Cash	Instrument(s) Held		
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9 Description	10 Book/Adjusted Carrying Value	11 Fair Value	12 CUSIP	13 Description	14 NAIC Designation or Other Description	15 Book/Adjusted Carrying Value	16 Fair Value
Awaiting PPN	Inverse JPY Long Term Bond	1		54,954,785			04/15/2019	Currency Forward	Value	2.854.829	912828-06-5	US TREASURY 1.625% DUE 3/30/2019	1		
Awaiting PPN	Inverse JPY Long Term Bond	1		52,956,430		05/01/2017	05/08/2019	Currency Forward		2,003,260	912828-06-5	US TREASURY 1.625% DUE 3/30/2019	1	52,956,430	52,790,899
Awaiting PPN	Inverse JPY Long Term Bond	1		78,935,055		05/02/2017	05/09/2019	Currency Forward			912828-C6-5	US TREASURY 1.625% DUE 3/30/2019	1		
91283# AP8	Inverse JPY Long Term Bond	1				05/03/2017	05/09/2019	Currency Forward		3,082,105	912828-06-5	US TREASURY 1.625% DUE 3/30/2019	1		
91283# AP8	Inverse JPY Long Term Bond	1		6,400,000	6,358,566	05/03/2017	05/09/2019	Currency Forward			01749B-AB-5	Allegro CLO VI Ltd-ALLEG 2017-2A B Greenwood Park CLO Ltd-SERIES 18-1A	1		6,358,566
91283# AP8	Inverse JPY Long Term Bond	1		4,400,000	4,355,890	05/03/2017	05/09/2019	Currency Forward			39729R-AC-2	CLASS B	1	4,400,000	4,355,890
91283# AP8	Inverse JPY Long Term Bond	1		5,095,000	5,044,035	05/03/2017	05/09/2019	Currency Forward			056162-AS-9	CR	1		5,044,035
91283# AP8	Inverse JPY Long Term Bond	1		4,000,000		05/03/2017	05/09/2019	Currency Forward			09628F-AE-9	2017-3A CLASS B CRESTLINE DENALI CLO XV -SERIES 17-	1	4,000,000	3,954,888
91283# AP8	Inverse JPY Long Term Bond	1		2,000,000		05/03/2017	05/09/2019	Currency Forward			22616C-AE-3	1A CLASS C Babson CLO Ltd 2013-I-SERIES 2013-	1		2,003,314
91283# AP8	Inverse JPY Long Term Bond	1	F0 000 C	1,995,000		05/03/2017	05/09/2019	Currency Forward			06760E-AC-0	IS CLASS BR	1		1,975,587
Awaiting PPN Awaiting PPN	Inverse JPY Long Term Bond	1					05/13/2019 05/15/2019	Currency Forward Currency Forward	-	1,018,587 	912828-C6-5 912828-C6-5	US TREASURY 1.625% DUE 3/30/2019 US TREASURY 1.625% DUE 3/30/2019	1 1		
Awaiting PPN	Inverse JPY Long Term Bond	1					05/20/2019	Currency Forward			912828-06-5	US TREASURY 1.625% DUE 3/30/2019	1		
Awaiting PPN	Inverse JPY Long Term Bond	1	25,000,000	26,977,804	27,815,574		05/20/2019	Currency Forward		922.097	912828-06-5	US TREASURY 1.625% DUE 3/30/2019	1	26,977,804	26,893,477
Awaiting PPN	Inverse JPY Long Term Bond Evergreen Basket of Inverse	1				05/17/2017	05/20/2019	Currency Forward		1,067,717	912828-06-5	US TREASURY 1.625% DUE 3/30/2019 AmerisourceBergen Corp-SENIOR	1		
57629* DMO	Floating Rate Corporate Bonds Evergreen Basket of Inverse	1			(15,351,183)		09/15/2047	Interest Rate Swap		(35,606,933)	03073E-AM-7	UNSECURED BHP Billiton Finance USA-DEBENTURE	2		
57629* DMO	Floating Rate Corporate Bonds Evergreen Basket of Inverse	1		28,632,172		09/15/2017	09/15/2047	Interest Rate Swap	-		055450-AH-3 125720-AG-0	CME GROUP INC-SR UNSECURED	1		
57629* DM0	Floating Rate Corporate Bonds Evergreen Basket of Inverse Floating Rate Corporate Bonds	1				09/15/2017	09/15/2047	Interest Rate Swap			29364N-AS-7	ENTERGY MISSISSIPPI INC-SECURED	1		
57629* DMO	Evergreen Basket of Inverse Floating Rate Corporate Bonds	1		20,594,056	20,825,580	09/15/2017	09/15/2047	Interest Rate Swap			29365T-AA-2	ENTERGY TEXAS INC-NOTE	1		
57629* DMO	Evergreen Basket of Inverse Floating Rate Corporate Bonds Evergreen Basket of Inverse	1				09/15/2017	09/15/2047	Interest Rate Swap			313747-AF-4	FEDERAL REALTY INVESTMEN-NOTE REID	1		
57629* DMO	Floating Rate Corporate Bonds Evergreen Basket of Inverse	1				09/15/2017	09/15/2047	Interest Rate Swap			375558-AW-3	UNSECURED NOTE	1		
57629* DMO	Floating Rate Corporate Bonds Evergreen Basket of Inverse	1		19,671,753			09/15/2047	Interest Rate Swap			384780-AA-0	RENAISSANCERE FINANCE-SR UNSECURED	1		
57629* DM0	Floating Rate Corporate Bonds Evergreen Basket of Inverse Floating Rate Corporate Bonds	1				09/15/2017	09/15/2047	Interest Rate Swap			75972Y-AA-9 884315-AG-7	THOMAS & BETTS CORP-NOTE	1		27,839,427
57629* DMO	Evergreen Basket of Inverse	1				09/15/2017	09/15/2047	Interest Rate Swap			958587-BJ-5	WEST MASS ELECTRIC CO-SENIOR	1	19.095.522	
57629* DMO	Evergreen Basket of Inverse Floating Rate Corporate Bonds	1				09/15/2017	09/15/2047	Interest Rate Swap			22615E-AE-0	Crestline Denali CLO Ltd-SERIES 2018-1A CLASS C	1		3, 156,006
57629* DMO	Evergreen Basket of Inverse Floating Rate Corporate Bonds Evergreen Basket of Inverse	1			7,923,744	09/15/2017	09/15/2047	Interest Rate Swap			67104L-AG-2	OHA Loan Funding 2013-2 -OHALF 2013-2A CR GRIPPEN PARK CLO LTD-SERIES 17-1A	1		7,923,744
57629* DMO	Evergreen Basket of Inverse	1		7,000,000		09/15/2017	09/15/2047	Interest Rate Swap			39862E-AB-0	CLASS B	1		7,001,827
57629* DL2		2			(4,355,763)		09/15/2047	Interest Rate Swap		(35,238,766)	031162-CJ-7	AMGEN INC-SENIOR UNSECURED	2		
57629* DL2	Floating Rate Corporate Bonds Evergreen Basket of Inverse Floating Rate Corporate Bonds	2					09/15/2047	Interest Rate Swap	-		44107T-AT-3	UNSECURED NOTE	2		
57629* DL2	Evergreen Basket of Inverse Floating Rate Corporate Bonds	2					09/15/2047	Interest Rate Swap			456866-AM-4	INGERSOLL-RAND CO-DEBENTURE	2		
57629* DL2	Evergreen Basket of Inverse Floating Rate Corporate Bonds Evergreen Basket of Inverse	2			41,328,898	09/15/2017	09/15/2047	Interest Rate Swap			664397-AK-2	EVERSOURCE ENERGY-UNSECURED NOTE Republic Services Inc-SENIOR	2		41,328,898
57629* DL2	Floating Rate Corporate Bonds Evergreen Basket of Inverse	2				09/15/2017	09/15/2047	Interest Rate Swap			760759-AP-5	UNSECURED NOTE	2		
57629* DL2	Floating Rate Corporate Bonds	2				09/15/2017	09/15/2047	Interest Rate Swap			94106L-BA-6	Waste Management Inc-SR UNSECURED .	2		

SCHEDULE DB - PART C - SECTION 1

		Replication (Syn	thetic Asset) Tra	ansactions						Components	of the Repli	cation (Synthetic Asset) Trans	sactions				
1	2	3	4	5	6	7	8	Derivativ	e Instrument(s) Oper	n .	· ·	Cast	n Instrument(s) Held	ument(s) Held			
-	_	-		-	-	-	-	9	10	11	12	13	14	15	16		
		NAIC						ů, s	10			10	NAIC	10	10		
		Designation or		Book/Adjusted					Book/Adjusted				Designation or	Book/Adjusted			
		Other	Notional	Carrying		Effective	Maturity		Carrying				Other	Carrving			
Ni, under ein	Description				Esta Malua			D		E · 1/ 1					E ·		
Number	Description	Description	Amount	Value	Fair Value	Date	Date	Description	Value	Fair Value	CUSIP	Description	Description	Value	Fair Value		
57000+ DL 0	Evergreen Basket of Inverse			10,050,101	10 557 004	00/15/0017	00 (15 (00 17				105000 44 0			10,050,101	40.557.004		
57629* DL2	Floating Rate Corporate Bonds	2		40,858,421		09/15/2017	09/15/2047	Interest Rate Swap			A05830-41-6	SPARC EM SPC PANAMA METR-SECURED	2	40,858,421			
57629* DP3	Evergreen Basket of Inverse Floating Rate Corporate Bonds	2	250,000,000	23,426,708	(12,061,432)	00/15/0017	09/15/2047	Interest Rate Swap		(25 040 411) 00287Y-AL-3	AbbVie Inc-SENIOR UNSECURED NOTE	2	23,426,708	22,980,979		
5/029" DF3	Evergreen Basket of Inverse	2	230,000,000	23,420,700	(12,001,432)	09/13/2017	09/10/204/	Interest hate Swap) 002071-AL-3	ACTAVIS FUNDING SCS-SENIOR	2	20,420,700			
57629* DP3	Floating Rate Corporate Bonds	2		6,470,112	6,346,480	09/15/2017	09/15/2047	Interest Rate Swap			00507U-AS-0	UNSECURED NOTE	2				
0/020 0/0	Evergreen Basket of Inverse					00/10/2011	00/10/2011	Interest nate on ap									
57629* DP3	Floating Rate Corporate Bonds	2		28,274,727	27,498,988	09/15/2017	09/15/2047	Interest Rate Swap			035242-AP-1	ANHEUSER-BUSCH INBEV FIN GTD NT	2	28,274,727	27,498,988		
	Evergreen Basket of Inverse											DISCOVER FINANCIAL SVS-SENIOR					
57629* DP3	Floating Rate Corporate Bonds	2				09/15/2017	09/15/2047	Interest Rate Swap			254709-AM-0	UNSECURED	2				
	Evergreen Basket of Inverse																
57629* DP3	Floating Rate Corporate Bonds	2				09/15/2017	09/15/2047	Interest Rate Swap			444859-BA-9	Humana Inc-SENIOR UNSECURED NOTE	2				
57000+ DDC	Evergreen Basket of Inverse	•	1	23.584.726	00 105 05	00/45/0017	00 /45 /00 /7				040450	MOSAIC CO/THE-SENIOR UNSECURED NOTE		00 F04 7-5			
57629* DP3	Floating Rate Corporate Bonds Evergreen Basket of Inverse	2				09/15/2017	09/15/2047	Interest Rate Swap			61945C-AA-1	PHILLIPS 66 PARTNERS LP-SENIOR	2				
57629* DP3	Evergreen Basket of Inverse Floating Rate Corporate Bonds	2	1	24.567.912	22 620 610	09/15/2017	09/15/2047	Interest Rate Swap			718549-AB-4	PHILLIPS 66 PARINERS LP-SENIUR UNSECURED	2	24,567,912	23,639,618		
JIUZU DEO	Evergreen Basket of Inverse		· [£0,009,018	00/ 10/ 2017	00/ 10/ 204/	mieresi nate swap			/ 10043-AD-4	REALTY INCOME CORP-SENIOR UNSECURED			23,039,018		
57629* DP3	Floating Rate Corporate Bonds	2			26 204 831	09/15/2017	09/15/2047	Interest Rate Swap			756109-AN-4	NOTE REID	1				
0/020 0/0	Evergreen Basket of Inverse				201,201,001	00/10/2011	00/10/2011	Interest nate on ap			100100 /11 4	SHERWIN-WILLIAMS CO/THE-SENIOR					
57629* DP3	Floating Rate Corporate Bonds	2		26,755,788		09/15/2017	09/15/2047	Interest Rate Swap			824348-BB-1	UNSECURED	2	26,755,788			
	Evergreen Basket of Inverse																
57629* DP3	Floating Rate Corporate Bonds	2				09/15/2017	09/15/2047	Interest Rate Swap			883203-BQ-3	Textron Inc-NOTE	2				
	Evergreen Basket of Inverse											Republic Services Inc-SENIOR					
57629* DP3	Floating Rate Corporate Bonds	2				09/15/2017	09/15/2047	Interest Rate Swap			760759-AP-5	UNSECURED NOTE	2				
	Evergreen Basket of Inverse											Bain Capital Credit CLO -BCC 2018-					
57629* DP3	Floating Rate Corporate Bonds	2				09/15/2017	09/15/2047	Interest Rate Swap			05683L-AC-0	1A A2	1				
57000+ DN0	Evergreen Basket of Inverse		250.000.000	00 407 457	(40,000,500)	00 (45 (0047	09/15/2047			(05 404 044)	000005 40 5	AMPHENOL CORP-SENIOR UNSECURED NOTE		00 107 157	00 407 040		
57629* DN8	Floating Rate Corporate Bonds Evergreen Basket of Inverse	2		22,497,157	(12,996,599)	09/15/2017	09/15/204/	Interest Rate Swap) 032095-AC-5		2				
57629* DN8	Floating Rate Corporate Bonds	2			22 426 794	09/15/2017	09/15/2047	Interest Rate Swap			045487-AA-3	ASSOC BANC-CORP-SR UNSECURED	2				
J/029 DN0	Evergreen Basket of Inverse	۷				03/13/2017	03/13/204/	Interest hate Swap			040407-88-0	ASSOC DANG-CONF-SH UNSECONED	۷				
57629* DN8	Floating Rate Corporate Bonds	2		21,867,882	21 091 702	09/15/2017	09/15/2047	Interest Rate Swap			378272-AL-2	GLENCORE FUNDING LLC-SR UNSECURED .	2	21,867,882			
01020 010	Evergreen Basket of Inverse							interest nate snap									
57629* DN8	Floating Rate Corporate Bonds	2				09/15/2017	09/15/2047	Interest Rate Swap			45167R-AF-1	IDEX Corp-SENIOR UNSECURED NOTE	2				
	Evergreen Basket of Inverse											KERRY GROUP FIN SERVICES-SENIOR					
57629* DN8	Floating Rate Corporate Bonds	2				09/15/2017	09/15/2047	Interest Rate Swap			49245P-AA-4	UNSECURED NOTE	2				
	Evergreen Basket of Inverse											O'REILLY AUTOMOTIVE INC-SENIOR					
57629* DN8	Floating Rate Corporate Bonds	2				09/15/2017	09/15/2047	Interest Rate Swap			67103H-AF-4	UNSECURED	2				
57000+ DN0	Evergreen Basket of Inverse	•		00,000,000	04 704 700	00/45/0047	00 (45 (00 47				72925P-AD-7	PLUM CREEK TIMBERLANDS-SENIOR	0	00,000,000	04 704 700		
57629* DN8	Floating Rate Corporate Bonds	2				09/15/2017	09/15/2047	Interest Rate Swap			72925P-AD-7	UNSECURED NOTE Reinsurance Group of Ame-SENIOR	2				
57629* DN8	Evergreen Basket of Inverse Floating Rate Corporate Bonds	2	1	25,664,431		09/15/2017	09/15/2047	Interest Rate Swap			759351-AG-4	UNSECURED NOTE	2				
01020 DINO	Evergreen Basket of Inverse		1		2J, 0 14, 48U	00/ 10/ 2017	00/10/204/	mieresi nate swap			1 JJJJJ 1-AU-4	SCHLUMBERGER HLDGS CORP-SR	*	20,004,431			
57629* DN8	Floating Rate Corporate Bonds	2	1	25,867,927	25.854.664	09/15/2017	09/15/2047	Interest Rate Swap			806851-AG-6	UNSECURED	2	25.867.927	25.854.664		
	Evergreen Basket of Inverse											WPP FINANCE 2010-SENIOR UNSECURED		20,007,027	20,004,004		
57629* DN8	Floating Rate Corporate Bonds	2		22,656,918		09/15/2017	09/15/2047	Interest Rate Swap			92936M-AB-3	NOTE	2	22,656,918	23,455,810		
	Evergreen Basket of Inverse											WYNDHAM WORLDWIDE CORP-SENIOR					
57629* DN8	Floating Rate Corporate Bonds	2				09/15/2017	09/15/2047	Interest Rate Swap			98310W-AL-2	UNSECURED NOTE	3				
	Evergreen Basket of Inverse		1								1	Zimmer Biomet Holdings I-SR					
57629* DN8	Floating Rate Corporate Bonds	2	.			09/15/2017	09/15/2047	Interest Rate Swap		·	98956P-AF-9	UNSECURED	2				
570001 DV0	Evergreen Basket of Inverse		1	04 055 555		00/15/0017	00 /15 /00 /7					ISRAEL ELECTRIC CORP LTD-SECURED		AL 055	AL ALT		
57629* DN8	Floating Rate Corporate Bonds	2				09/15/2017	09/15/2047	Interest Rate Swap			EK5851-40-8		2		21,315,000		
Amaiting DDN	Sovereign Bond of Peru	4	5,000,000	0 10.860.416	0 700 010	06/20/2018	12/20/2023	5 Yr Credit Default Swap	19.851	64.070	912810-RP-5	UNITED STATES TREASURY 3.00% DUE 11/15/45	4	10.840.565	9,644,141		
Awaiting PPN Awaiting PPN	Sovereign Bond of Peru Sovereign Bond of Mexico	1				06/20/2018	12/20/2023	5 Yr Credit Default Swap 5 Yr Credit Default Swap			912810-HP-5 912833-LL-2	US TREASURY DUE 2/15/2023		10,840,565			
Awaiting PPN	Sovereign Bond of Mexico	1				06/20/2018	12/20/2023	5 Yr Credit Default Swap				US TREASURY DUE 2/15/2023 US TREASURY 1.375% DUE 2/15/2044	<u> </u>				
Awaiting PPN	Sovereign Bond of India	1	15,000,000			06/20/2018	12/20/2023	5 Yr Credit Default Swap	(315,504)) 912810-RF-7	US TREASURY 1.375% DUE 2/15/2044	1		19.281.094		
Awaiting PPN	Sovereign Bond of Columbia	1	15,000,000			06/20/2018	12/20/2023	5 Yr Credit Default Swap	(107,986)	(99,572		US TREASURY 1.375% DUE 2/15/2044	1				
Awaiting PPN	Sovereign Bond of India	1				06/20/2018	12/20/2023	5 Yr Credit Default Swap	(590,768)) 912810-RF-7	US TREASURY 1.375% DUE 2/15/2044	1	13,521,210			
	, i i i i i i i i i i i i i i i i i i i								(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			US TREASURY N/B-UNSECURED 2.875%					
Awaiting PPN	Sovereign Bond of India	1				06/20/2018	12/20/2023	5 Yr Credit Default Swap			912810-RU-4	DUE 11/15/2046	1	14,873,645			
			1								1	US TREASURY N/B-UNSECURED 2.875%					
Awaiting PPN	Sovereign Bond of Malaysia	14	10.000.000	14.818.939	14 139 345	06/20/2018	12/20/2023	5 Yr Credit Default Swap	(54,706)	32.314	912810-RU-4	DUE 11/15/2046	11		14.107.031		

SCHEDULE DB - PART C - SECTION 1

		Replication (Synt	thetic Asset) Tra	nsactions	riophoan					Components of the Replication (Synthetic Asset) Transactions									
1	2	3	4	5	6	7	8	Derivative In	nstrument(s) Oper			Instrument(s) Held							
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective	Maturity Date	9 Description	10 Book/Adjusted Carrying Value	11 12 Fair Value CUSIF	13 Description	14 NAIC Designation or Other Description	15 Book/Adjusted Carrying Value	16 Fair Value					
Number	Description	Description	Amount	Value		Date	Date	Description	Value		US TREASURY N/B-UNSECURED 2.875%	Description	value						
	Sovereign Bond of Russia	1				06/20/2018	. 12/20/2023	5 Yr Credit Default Swap	(312,057)		DUE 11/15/2046	1							
Awaiting PPN	Credit Default Indicies (CDIG031/CDX.NA.IG.31)	2				06/20/2018	12/20/2023	5 Yr Credit Default Swap Index		9,962,820 912828-PX-	US TREASURY N/B Note 3.625% DUE 02/15/2021	1							
	Credit Default Indicies (CDIG031/CDX.NA.IG.31)	0				06/00/0010	12/20/2023	5 Yr Credit Default Swap Index				4							
	Credit Default Indicies	2		230, 324, 064		00/20/2010	. 12/20/2023	5 H Credit Default Swap Hidex			US TREASURY N/B Note 3.625% DUE	I							
	(CDIG031/CDX.NA.IG.31)	2				06/20/2018	12/20/2023	5 Yr Credit Default Swap Index	4,346,978	4,355,120 912828-PX-		1							
	Credit Default Indicies	•		04 000 700	00, 105, 004		10 (00 (0000		4 500 000	1 050 504 040000 00	US TREASURY N/B Note 3.625% DUE		00 000 754	04 540 000					
	(CDIG031/CDX.NA.IG.31) Credit Default Indicies	2		94,888,760		06/20/2018	. 12/20/2023	5 Yr Credit Default Swap Index	4,580,006	4,952,504 912828-PX-3	02/15/2021	1							
	(CDIG031/CDX.NA.IG.31)	2				06/20/2018	12/20/2023	5 Yr Credit Default Swap Index				1							
	Credit Default Indicies																		
Awaiting PPN	(CDIG031/CDX.NA.IG.31)	2			105,475,977	06/20/2018	. 12/20/2023	5 Yr Credit Default Swap Index			US Treasury 3.875% DUE 8/15/2040 US TREASURY STRIP 0% DUE 05/15/2023	1		105,475,977					
Awaiting PPN	Inverse JPY Long Term Bond	1	76.207.323	19,742,207	17.953.524	05/31/2018	05/20/2019	Currency Forward		(3,823,309) 912833-LN-		1	19.742.207	21.776.833					
Awaiting PPN	Inverse JPY Long Term Bond	1					05/20/2019	Currency Forward		912828-KQ-	US TREASURY 3.125% TO 5/15/2019	1							
Awaiting PPN	Inverse JPY Long Term Bond	1				05/31/2018	. 05/20/2019	Currency Forward				1							
Awaiting PPN	Inverse JPY Long Term Bond	1	49,665,019	70.073.965		05/21/2019	04/15/2019	Currency Forward		(2.517.110) 912828-LJ-	US TREAS N/B-NOTE 3.625% 08/15/2019	4	70.073.965						
Awaiting Frin	Inverse JFT Long Term Bond	I				03/31/2018	_ 04/ 13/2019	currency Forward			US TREAS N/B-NOTE 3.625% 08/15/2019	I							
Awaiting PPN	Inverse JPY Long Term Bond	1				05/31/2018	. 05/09/2019	Currency Forward				1							
											US TREAS N/B-NOTE 3.625% 08/15/2019								
Awaiting PPN	Inverse JPY Long Term Bond	1	49,878,194	70,073,965		05/31/2018	_ 04/01/2019	Currency Forward		<u>(</u> 2,613,044) 912828–LJ–	US TREAS N/B-NOTE 3.625% 08/15/2019	1		70,585,157					
Awaiting PPN	Inverse JPY Long Term Bond	1			68.000.350	05/31/2018	03/28/2019	Currency Forward		(2,584,807) 912828-LJ-		1							
-	· ·			, ,, ,	, , ,			·····			US TREAS N/B-NOTE 3.625% 08/15/2019								
Awaiting PPN	Inverse JPY Long Term Bond	1		70,073,965		05/31/2018	. 05/08/2019	Currency Forward		(2,605,803) 912828–LJ–	US TREAS N/B-NOTE 3.625% 08/15/2019	1		70,585,157					
Awaiting PPN	Inverse JPY Long Term Bond	1			67 971 554	05/31/2018	05/13/2019	Currency Forward		(2.613.603) 912828-LJ-		1							
• • •			, , .	, ,, ,	, , ,						US TREAS N/B-NOTE 3.625% 08/15/2019			,,					
	Inverse JPY Long Term Bond	1		70,073,965				Currency Forward				1		70,585,157					
9999999 - Tota	als			12,498,161,568	11,999,749,973	XXX	XXX	XXX	16,797,906	(542,847,877) XXX	XXX	XXX	12,481,363,662	12,542,597,850					

SCHEDULE DB - PART C - SECTION 2

Replication (Synthetic Asset) Transactions Open

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	First C	Quarter	Second	Quarter	Third (Quarter	Fourth	Quarter	Year T	o Date
	1	2	3	4	5	6	7	8	9	10
	Number of	Total Replication (Synthetic Asset) Transactions								
	Positions	Statement Value								
1. Beginning Inventory		11,517,000,000		12,582,000,000	113					11,517,000,000
2. Add: Opened or Acquired Transactions		2,673,000,000	8		13	1,125,000,000				4,345,622,879
3. Add: Increases in Replication (Synthetic Asset) Transactions Statement Value	xxx		XXX							
4. Less: Closed or Disposed of Transactions	15	1,608,000,000	4	270,000,000	15	2,568,000,000				4,446,000,000
5. Less: Positions Disposed of for Failing Effectiveness Criteria										
6. Less: Decreases in Replication (Synthetic Asset) Transactions Statement Value	xxx		ХХХ		ХХХ		XXX		XXX	
7. Ending Inventory	109	12,582,000,000	113	12,859,622,879	111	11,416,622,879			111	11,416,622,879

STATEMENT AS OF SEPTEMBER 30, 2018 OF THE Massachusetts Mutual Life Insurance Company SCHEDULE DB - VERIFICATION

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

		Book/Adjusted Carrying Value C	heck
1.	Part A, Section 1, Column 14		
2.	Part B, Section 1, Column 15 plus Part B, Section 1 Footnote - Total Ending Cash Balance		
3.	Total (Line 1 plus Line 2)		,090,460
4.	Part D, Section 1, Column 5		
5.	Part D, Section 1, Column 6	(5,412,759,897)	
6.	Total (Line 3 minus Line 4 minus Line 5)		, 127 , 331
		Fair Value Check	
7.	Part A, Section 1, Column 16	2,713,444,773	
8.	Part B, Section 1, Column 13	(128,127,331)	
9.	Total (Line 7 plus Line 8)	2,585	,317,442
10.	Part D, Section 1, Column 8		
11.	Part D, Section 1, Column 9		
12	Total (Line 9 minus Line 10 minus Line 11)		
		Potential Exposure Check	
13.	Part A, Section 1, Column 21	4,201,191,470	
14.	Part B, Section 1, Column 20		
15.	Part D, Section 1, Column 11	4,295,091,220	
16.	Total (Line 13 plus Line 14 minus Line 15)		

SCHEDULE E - PART 2 - VERIFICATION (Cash Equivalents)

	(Cash Equivalents)	1	2
		Year To Date	Prior Year Ended December 31
1.	Book/adjusted carrying value, December 31 of prior year	2,852,941,262	3, 113, 185, 611
2.	Cost of cash equivalents acquired		
3.	Accrual of discount		
4.	Unrealized valuation increase (decrease)	41,646	
5.	Total gain (loss) on disposals		
6.	Deduct consideration received on disposals	60,726,222,967	
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)		2,852,941,262
11.	Deduct total nonadmitted amounts		
12.	Statement value at end of current period (Line 10 minus Line 11)	975,832,936	2,852,941,262