

QUARTERLY STATEMENT

OF THE

Massachusetts Mutual Life Insurance Company

TO THE

Insurance Department

OF THE

STATE OF

**FOR THE QUARTER ENDED
MARCH 31, 2016**

LIFE AND ACCIDENT AND HEALTH

2016



LIFE AND ACCIDENT AND HEALTH COMPANIES - ASSOCIATION EDITION

QUARTERLY STATEMENT

AS OF MARCH 31, 2016

OF THE CONDITION AND AFFAIRS OF THE

Massachusetts Mutual Life Insurance Company

NAIC Group Code 0435 (Current) 0435 (Prior) NAIC Company Code 65935 Employer's ID Number 04-1590850

Organized under the Laws of Massachusetts, State of Domicile or Port of Entry Massachusetts

Country of Domicile United States of America

Incorporated/Organized 05/15/1851 Commenced Business 08/01/1851

Statutory Home Office 1295 State Street Springfield, MA, US 01111

Main Administrative Office 1295 State Street Springfield, MA, US 01111 413-788-8411

Mail Address 1295 State Street Springfield, MA, US 01111

Primary Location of Books and Records 1295 State Street Springfield, MA, US 01111 413-788-8411

Internet Website Address www.massmutual.com

Statutory Statement Contact Tammy A. Peatman 413-744-6327 tpeatman@massmutual.com 413-226-4086

OFFICERS

President and Chief Executive Officer Roger William Crandall Secretary Pia Denise Flanagan Treasurer Todd Garrett Picken Appointed Actuary Douglas Wright Taylor

OTHER

Michael Thomas Rollings, Executive Vice President and Chief Financial Officer Michael Robert Fanning, Executive Vice President Melvin Timothy Corbett, Executive Vice President and Chief Investment Officer Robert Joseph Casale, Executive Vice President and Chief Information Officer Debra Ann Palermino, Executive Vice President Mark Douglas Roellig, Executive Vice President and General Counsel Elizabeth Ward Chicares, Executive Vice President, Chief Enterprise Risk Officer and Chief Actuary Adnan Omar Ahmed, Executive Vice President and Chief Human Resources Officer Elaine Anne Sarsynski, Executive Vice President

DIRECTORS OR TRUSTEES

Roger William Crandall - Chairman Mark Thomas Bertolini Kathleen Ann Corbet - Lead Director James Henry DeGraffenreidt, Jr. Patricia Diaz Dennis Robert Alan Essner Isabella Davidov Goren Raymond Walter LeBoeuf Jeffrey Marc Leiden Cathy Elizabeth Minehan Marc Francis Racicot Laura Jeanne Sen William Taylor Spitz Howard Todd Stitzer

State of Massachusetts County of Hampden SS:

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 Garrett Picken Treasurer

Subscribed and sworn to before me this day of

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

STATEMENT AS OF MARCH 31, 2016 OF THE Massachusetts Mutual Life Insurance Company

ASSETS

	Current Statement Date			4 December 31 Prior Year Net Admitted Assets
	1 Assets	2 Nonadmitted Assets	3 Net Admitted Assets (Cols. 1 - 2)	
1. Bonds	81,582,861,441		81,582,861,441	79,546,596,121
2. Stocks:				
2.1 Preferred stocks	462,972,382		462,972,382	532,949,649
2.2 Common stocks	10,477,736,604		10,477,736,604	9,099,961,966
3. Mortgage loans on real estate:				
3.1 First liens	22,132,964,172		22,132,964,172	22,007,729,394
3.2 Other than first liens.....				
4. Real estate:				
4.1 Properties occupied by the company (less \$ encumbrances)	167,930,955		167,930,955	170,369,606
4.2 Properties held for the production of income (less \$622,687,467 encumbrances)	764,373,906		764,373,906	756,333,883
4.3 Properties held for sale (less \$ encumbrances)	2,076,903		2,076,903	1,473,276
5. Cash (\$178,990,686), cash equivalents (\$2,521,248,386) and short-term investments (\$515,411,284)	3,215,650,356		3,215,650,356	3,048,645,110
6. Contract loans (including \$ premium notes)	11,926,705,852	394,183	11,926,311,669	11,812,577,658
7. Derivatives	13,027,593,491		13,027,593,491	9,268,078,124
8. Other invested assets	6,945,394,728	37,524,918	6,907,869,810	7,473,266,370
9. Receivables for securities	68,285,752		68,285,752	41,926,626
10. Securities lending reinvested collateral assets				
11. Aggregate write-ins for invested assets				
12. Subtotals, cash and invested assets (Lines 1 to 11)	150,774,546,542	37,919,101	150,736,627,441	143,759,907,783
13. Title plants less \$ charged off (for Title insurers only)				
14. Investment income due and accrued	1,835,253,723	749,944	1,834,503,779	1,833,663,950
15. Premiums and considerations:				
15.1 Uncollected premiums and agents' balances in the course of collection	94,767,610	4,414,094	90,353,516	126,174,738
15.2 Deferred premiums, agents' balances and installments booked but deferred and not yet due (including \$ earned but unbilled premiums)	635,821,754		635,821,754	633,398,443
15.3 Accrued retrospective premiums (\$) and contracts subject to redetermination (\$)				
16. Reinsurance:				
16.1 Amounts recoverable from reinsurers	35,628,951		35,628,951	45,318,929
16.2 Funds held by or deposited with reinsured companies				
16.3 Other amounts receivable under reinsurance contracts	11,426,698		11,426,698	24,423,453
17. Amounts receivable relating to uninsured plans				
18.1 Current federal and foreign income tax recoverable and interest thereon	28,717,243		28,717,243	65,324,933
18.2 Net deferred tax asset	1,239,224,710		1,239,224,710	1,298,531,068
19. Guaranty funds receivable or on deposit	26,689,240		26,689,240	26,501,012
20. Electronic data processing equipment and software	367,372,688	333,976,627	33,396,061	38,454,169
21. Furniture and equipment, including health care delivery assets (\$)	46,157,674	46,157,674		
22. Net adjustment in assets and liabilities due to foreign exchange rates				
23. Receivables from parent, subsidiaries and affiliates	61,678,299		61,678,299	54,081,461
24. Health care (\$) and other amounts receivable				
25. Aggregate write-ins for other than invested assets	3,089,372,214	908,050,437	2,181,321,777	2,067,381,553
26. Total assets excluding Separate Accounts, Segregated Accounts and Protected Cell Accounts (Lines 12 to 25)	158,246,657,346	1,331,267,877	156,915,389,469	149,973,161,492
27. From Separate Accounts, Segregated Accounts and Protected Cell Accounts	61,340,902,843		61,340,902,843	60,385,549,743
28. Total (Lines 26 and 27)	219,587,560,189	1,331,267,877	218,256,292,312	210,358,711,235
DETAILS OF WRITE-INS				
1101.				
1102.				
1103.				
1198. Summary of remaining write-ins for Line 11 from overflow page				
1199. Totals (Lines 1101 through 1103 plus 1198)(Line 11 above)				
2501. Corporate owned life insurance (COLI)	1,929,847,122		1,929,847,122	1,926,962,561
2502. Fully refundable deposits, prepayments and other miscellaneous	239,690,097	61,097,805	178,592,292	67,948,505
2503. Employee insurance plan advances	40,811,774	42,710	40,769,064	39,614,950
2598. Summary of remaining write-ins for Line 25 from overflow page	879,023,221	846,909,922	32,113,299	32,855,537
2599. Totals (Lines 2501 through 2503 plus 2598)(Line 25 above)	3,089,372,214	908,050,437	2,181,321,777	2,067,381,553

STATEMENT AS OF MARCH 31, 2016 OF THE Massachusetts Mutual Life Insurance Company

LIABILITIES, SURPLUS AND OTHER FUNDS

	1 Current Statement Date	2 December 31 Prior Year
1. Aggregate reserve for life contracts \$ 101,632,202,623 less \$ included in Line 6.3 (including \$ 48,723,559 Modco Reserve)	101,632,202,623	99,942,257,473
2. Aggregate reserve for accident and health contracts (including \$ 65,719,309 Modco Reserve)	2,736,734,360	2,683,981,025
3. Liability for deposit-type contracts (including \$ Modco Reserve)	10,491,771,138	10,491,117,975
4. Contract claims:		
4.1 Life	413,376,820	420,273,237
4.2 Accident and health	25,679,165	24,268,522
5. Policyholders' dividends \$ 9,354,087 and coupons \$ due and unpaid	9,354,087	10,210,995
6. Provision for policyholders' dividends and coupons payable in following calendar year - estimated amounts:		
6.1 Dividends apportioned for payment (including \$ Modco)	1,753,789,784	1,731,292,553
6.2 Dividends not yet apportioned (including \$ Modco)		
6.3 Coupons and similar benefits (including \$ Modco)		
7. Amount provisionally held for deferred dividend policies not included in Line 6		
8. Premiums and annuity considerations for life and accident and health contracts received in advance less \$ discount; including \$ 9,815,404 accident and health premiums	39,702,179	30,048,083
9. Contract liabilities not included elsewhere:		
9.1 Surrender values on canceled contracts		
9.2 Provision for experience rating refunds, including the liability of \$ accident and health experience rating refunds of which \$ is for medical loss ratio rebate per the Public Health Service Act	12,562,765	12,956,022
9.3 Other amounts payable on reinsurance, including \$ 13,247,425 assumed and \$ 8,423,103 ceded	21,670,528	27,318,900
9.4 Interest Maintenance Reserve	403,992,282	349,152,262
10. Commissions to agents due or accrued-life and annuity contracts \$ 21,424,959 , accident and health \$ 535,938 and deposit-type contract funds \$ 8,317,253	30,278,150	28,117,416
11. Commissions and expense allowances payable on reinsurance assumed	5,220,413	5,301,675
12. General expenses due or accrued	918,759,927	958,827,158
13. Transfers to Separate Accounts due or accrued (net) (including \$ (191,932,286) accrued for expense allowances recognized in reserves, net of reinsured allowances)	(235,617,662)	(245,896,321)
14. Taxes, licenses and fees due or accrued, excluding federal income taxes	25,589,046	37,853,252
15.1 Current federal and foreign income taxes, including \$ on realized capital gains (losses)		
15.2 Net deferred tax liability		
16. Unearned investment income	104,585,927	130,995,421
17. Amounts withheld or retained by company as agent or trustee	16,310,793	35,064,726
18. Amounts held for agents' account, including \$ agents' credit balances	254,139,783	259,075,424
19. Remittances and items not allocated	238,453,389	(21,613,176)
20. Net adjustment in assets and liabilities due to foreign exchange rates	1,892	9,554
21. Liability for benefits for employees and agents if not included above	175,054,947	176,535,932
22. Borrowed money \$ 282,108,541 and interest thereon \$ (40,646)	282,067,895	276,817,818
23. Dividends to stockholders declared and unpaid		
24. Miscellaneous liabilities:		
24.01 Asset valuation reserve	3,000,220,567	2,817,138,360
24.02 Reinsurance in unauthorized and certified (\$) companies		
24.03 Funds held under reinsurance treaties with unauthorized and certified (\$) reinsurers		
24.04 Payable to parent, subsidiaries and affiliates	32,860,188	18,212,103
24.05 Drafts outstanding		
24.06 Liability for amounts held under uninsured plans		
24.07 Funds held under coinsurance		
24.08 Derivatives	9,591,174,736	5,840,340,713
24.09 Payable for securities	221,690,940	142,215,754
24.10 Payable for securities lending		
24.11 Capital notes \$ and interest thereon \$		
25. Aggregate write-ins for liabilities	9,313,737,790	8,817,870,120
26. Total liabilities excluding Separate Accounts business (Lines 1 to 25)	141,515,364,452	134,999,742,976
27. From Separate Accounts Statement	61,331,661,680	60,376,436,122
28. Total liabilities (Lines 26 and 27)	202,847,026,132	195,376,179,098
29. Common capital stock		
30. Preferred capital stock		
31. Aggregate write-ins for other than special surplus funds		
32. Surplus notes	2,231,637,183	2,231,637,183
33. Gross paid in and contributed surplus		
34. Aggregate write-ins for special surplus funds	3,250,000	3,250,000
35. Unassigned funds (surplus)	13,174,378,997	12,747,644,954
36. Less treasury stock, at cost:		
36.1 shares common (value included in Line 29 \$)		
36.2 shares preferred (value included in Line 30 \$)		
37. Surplus (Total Lines 31+32+33+34+35-36) (including \$ 9,241,162 in Separate Accounts Statement)	15,409,266,180	14,982,532,137
38. Totals of Lines 29, 30 and 37	15,409,266,180	14,982,532,137
39. Totals of Lines 28 and 38 (Page 2, Line 28, Col. 3)	218,256,292,312	210,358,711,235
DETAILS OF WRITE-INS		
2501. Repurchase agreements	4,954,926,811	5,134,118,339
2502. Derivative collateral	2,706,577,545	2,126,484,960
2503. Derivative interest liability	1,585,767,485	1,474,873,702
2598. Summary of remaining write-ins for Line 25 from overflow page	66,465,949	82,393,119
2599. Totals (Lines 2501 through 2503 plus 2598)(Line 25 above)	9,313,737,790	8,817,870,120
3101.		
3102.		
3103.		
3198. Summary of remaining write-ins for Line 31 from overflow page		
3199. Totals (Lines 3101 through 3103 plus 3198)(Line 31 above)		
3401. Designated surplus for group annuities	2,500,000	2,500,000
3402. Designated surplus for separate account business	750,000	750,000
3403.		
3498. Summary of remaining write-ins for Line 34 from overflow page		
3499. Totals (Lines 3401 through 3403 plus 3498)(Line 34 above)	3,250,000	3,250,000

SUMMARY OF OPERATIONS

	1 Current Year To Date	2 Prior Year To Date	3 Prior Year Ended December 31
1. Premiums and annuity considerations for life and accident and health contracts	4,967,469,871	4,549,465,517	21,530,383,076
2. Considerations for supplementary contracts with life contingencies	8,772,015	4,220,438	12,366,075
3. Net investment income	1,474,468,239	1,503,129,280	6,246,441,543
4. Amortization of Interest Maintenance Reserve (IMR)	28,002,999	35,456,705	140,397,231
5. Separate Accounts net gain from operations excluding unrealized gains or losses	(739)	2,611	(13,121)
6. Commissions and expense allowances on reinsurance ceded	23,418,580	21,961,158	110,106,393
7. Reserve adjustments on reinsurance ceded	8,537,252	5,220,522	16,029,021
8. Miscellaneous Income:			
8.1 Income from fees associated with investment management, administration and contract guarantees from Separate Accounts	84,607,331	85,828,738	361,717,460
8.2 Charges and fees for deposit-type contracts			
8.3 Aggregate write-ins for miscellaneous income	84,702,392	96,532,387	309,723,915
9. Totals (Lines 1 to 8.3)	6,679,977,940	6,301,817,356	28,727,151,593
10. Death benefits	454,931,553	453,842,807	1,763,896,509
11. Matured endowments (excluding guaranteed annual pure endowments)	4,878,785	3,533,738	15,080,860
12. Annuity benefits	410,821,184	367,737,379	1,469,389,047
13. Disability benefits and benefits under accident and health contracts	91,042,169	89,763,872	365,311,161
14. Coupons, guaranteed annual pure endowments and similar benefits			
15. Surrender benefits and withdrawals for life contracts	3,373,614,762	2,929,608,197	12,368,838,810
16. Group conversions			
17. Interest and adjustments on contract or deposit-type contract funds	77,725,548	68,973,860	283,860,603
18. Payments on supplementary contracts with life contingencies	2,849,270	2,890,455	10,866,006
19. Increase in aggregate reserves for life and accident and health contracts	1,742,678,578	1,077,836,782	9,344,994,281
20. Totals (Lines 10 to 19)	6,158,541,849	4,994,187,090	25,622,237,277
21. Commissions on premiums, annuity considerations, and deposit-type contract funds (direct business only)	184,322,098	171,557,204	743,202,207
22. Commissions and expense allowances on reinsurance assumed	30,508,265	32,306,848	126,121,762
23. General insurance expenses	488,587,897	435,352,490	1,789,844,929
24. Insurance taxes, licenses and fees, excluding federal income taxes	56,585,400	56,023,026	187,133,089
25. Increase in loading on deferred and uncollected premiums	(8,208,414)	(2,160,688)	5,389,038
26. Net transfers to or (from) Separate Accounts net of reinsurance	195,997,166	406,405,984	(753,445,438)
27. Aggregate write-ins for deductions	(525,795,954)	(240,213,197)	(921,194,332)
28. Totals (Lines 20 to 27)	6,580,538,307	5,853,458,757	26,799,288,532
29. Net gain from operations before dividends to policyholders and federal income taxes (Line 9 minus Line 28)	99,439,633	448,358,599	1,927,863,061
30. Dividends to policyholders	395,040,048	367,829,795	1,727,593,543
31. Net gain from operations after dividends to policyholders and before federal income taxes (Line 29 minus Line 30)	(295,600,415)	80,528,804	200,269,518
32. Federal and foreign income taxes incurred (excluding tax on capital gains)	(127,833,485)	(50,770,901)	(153,275,542)
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)	(167,766,930)	131,299,705	353,545,060
34. Net realized capital gains (losses) (excluding gains (losses) transferred to the IMR) less capital gains tax of \$(23,761,206) (excluding taxes of \$(13,843,838) transferred to the IMR)	162,659,395	112,413,251	58,635,533
35. Net income (Line 33 plus Line 34)	(5,107,535)	243,712,956	412,180,593
CAPITAL AND SURPLUS ACCOUNT			
36. Capital and surplus, December 31, prior year	14,982,532,137	14,231,326,051	14,231,326,051
37. Net income (Line 35)	(5,107,535)	243,712,956	412,180,593
38. Change in net unrealized capital gains (losses) less capital gains tax of \$(4,404,847)	656,496,708	469,806,448	194,731,062
39. Change in net unrealized foreign exchange capital gain (loss)	51,430,432	(183,957,317)	(225,759,636)
40. Change in net deferred income tax	(47,050,514)	(8,574,288)	231,108,817
41. Change in nonadmitted assets	(26,720,259)	(33,441,163)	(15,892,928)
42. Change in liability for reinsurance in unauthorized and certified companies			
43. Change in reserve on account of change in valuation basis, (increase) or decrease			
44. Change in asset valuation reserve	(183,082,207)	(169,699,711)	(196,860,334)
45. Change in treasury stock			
46. Surplus (contributed to) withdrawn from Separate Accounts during period	847	(15,400)	(30,580)
47. Other changes in surplus in Separate Accounts Statement	128,280	85,050	(833,061)
48. Change in surplus notes		101,355	491,416,033
49. Cumulative effect of changes in accounting principles		2,617,428	2,617,428
50. Capital changes:			
50.1 Paid in			
50.2 Transferred from surplus (Stock Dividend)			
50.3 Transferred to surplus			
51. Surplus adjustment:			
51.1 Paid in			
51.2 Transferred to capital (Stock Dividend)			
51.3 Transferred from capital			
51.4 Change in surplus as a result of reinsurance			
52. Dividends to stockholders			
53. Aggregate write-ins for gains and losses in surplus	(19,361,709)	9,178,126	(141,471,308)
54. Net change in capital and surplus for the year (Lines 37 through 53)	426,734,043	329,813,484	751,206,086
55. Capital and surplus, as of statement date (Lines 36 + 54)	15,409,266,180	14,561,139,535	14,982,532,137
DETAILS OF WRITE-INS			
08.301. Administrative fee and other income	84,702,392	96,532,387	372,823,915
08.302. COLI benefit funding cost			(63,100,000)
08.303.			
08.398. Summary of remaining write-ins for Line 8.3 from overflow page			
08.399. Totals (Lines 08.301 through 08.303 plus 08.398) (Line 8.3 above)	84,702,392	96,532,387	309,723,915
2701. Change in reserves due to reinsurance agreement	(521,440,103)	(244,178,855)	(941,820,541)
2702. Market value adjustment transfer	(5,932,419)	(2,361,545)	(17,283,670)
2703. Change in liability for employee/agent benefit plans	(204,720)	5,401,115	9,259,306
2798. Summary of remaining write-ins for Line 27 from overflow page	1,781,288	926,088	28,650,573
2799. Totals (Lines 2701 through 2703 plus 2798)(Line 27 above)	(525,795,954)	(240,213,197)	(921,194,332)
5301. Other changes in surplus	(19,361,709)	9,178,126	8,701,713
5302. Change in minimum pension liability			(150,173,021)
5303.			
5398. Summary of remaining write-ins for Line 53 from overflow page			
5399. Totals (Lines 5301 through 5303 plus 5398)(Line 53 above)	(19,361,709)	9,178,126	(141,471,308)

STATEMENT AS OF MARCH 31, 2016 OF THE Massachusetts Mutual Life Insurance Company

CASH FLOW

	1 Current Year To Date	2 Prior Year To Date	3 Prior Year Ended December 31
Cash from Operations			
1. Premiums collected net of reinsurance	5,018,013,281	4,585,831,963	20,016,614,129
2. Net investment income	1,554,555,105	1,562,764,484	6,213,099,970
3. Miscellaneous income	214,590,960	236,431,092	824,995,376
4. Total (Lines 1 to 3)	6,787,159,346	6,385,027,539	27,054,709,475
5. Benefit and loss related payments	4,394,239,075	4,082,421,235	16,260,499,766
6. Net transfers to Separate Accounts, Segregated Accounts and Protected Cell Accounts	185,847,493	465,585,491	(770,582,444)
7. Commissions, expenses paid and aggregate write-ins for deductions	293,651,680	657,930,568	1,964,915,482
8. Dividends paid to policyholders	373,399,726	354,786,856	1,565,323,828
9. Federal and foreign income taxes paid (recovered) net of \$ (2,170,090) tax on capital gains (losses)	(189,099,465)	258,797,036	234,355,069
10. Total (Lines 5 through 9)	5,058,038,509	5,819,521,186	19,254,511,701
11. Net cash from operations (Line 4 minus Line 10)	1,729,120,837	565,506,353	7,800,197,774
Cash from Investments			
12. Proceeds from investments sold, matured or repaid:			
12.1 Bonds	2,630,923,009	2,761,950,281	12,495,748,943
12.2 Stocks	130,884,908	153,835,554	1,211,212,794
12.3 Mortgage loans	705,290,810	492,450,387	2,574,694,271
12.4 Real estate	1,427,132		110,006,251
12.5 Other invested assets	116,431,005	237,895,313	2,560,163,094
12.6 Net gains or (losses) on cash, cash equivalents and short-term investments	(11,735,694)	(1,882,521)	2,935,660
12.7 Miscellaneous proceeds	358,119,603	156,985,617	161,376,236
12.8 Total investment proceeds (Lines 12.1 to 12.7)	3,931,340,773	3,801,234,631	19,116,137,249
13. Cost of investments acquired (long-term only):			
13.1 Bonds	4,674,805,818	3,927,117,303	15,011,821,492
13.2 Stocks	97,778,163	170,368,668	1,114,663,420
13.3 Mortgage loans	849,850,530	584,365,846	5,296,118,174
13.4 Real estate	33,467,217	86,783,858	283,415,424
13.5 Other invested assets	355,604,427	395,454,433	3,443,452,757
13.6 Miscellaneous applications	(79,475,186)	(72,997,132)	28,944,756
13.7 Total investments acquired (Lines 13.1 to 13.6)	5,932,030,969	5,091,092,976	25,178,416,023
14. Net increase (or decrease) in contract loans and premium notes	113,751,150	130,746,498	657,744,827
15. Net cash from investments (Line 12.8 minus Line 13.7 and Line 14)	(2,114,441,346)	(1,420,604,843)	(6,720,023,601)
Cash from Financing and Miscellaneous Sources			
16. Cash provided (applied):			
16.1 Surplus notes, capital notes		101,355	491,416,033
16.2 Capital and paid in surplus, less treasury stock			
16.3 Borrowed funds	5,254,345	290,510	8,903,849
16.4 Net deposits on deposit-type contracts and other insurance liabilities	(14,024,763)	(398,255)	830,860,713
16.5 Dividends to stockholders			
16.6 Other cash provided (applied)	561,096,172	1,267,400,272	(1,242,727,751)
17. Net cash from financing and miscellaneous sources (Line 16.1 through Line 16.4 minus Line 16.5 plus Line 16.6)	552,325,754	1,267,393,882	88,452,844
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)	167,005,245	412,295,392	1,168,627,017
19. Cash, cash equivalents and short-term investments:			
19.1 Beginning of year	3,048,645,110	1,880,018,093	1,880,018,093
19.2 End of period (Line 18 plus Line 19.1)	3,215,650,356	2,292,313,485	3,048,645,110

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

20.0001. Other invested assets contributed to subsidiary	682,102,736		
20.0002. Bond conversions and refinancing	133,594,513	577,857,768	1,196,967,823
20.0003. Transfer of mortgage loan to other than invested assets	26,550,000		
20.0004. Bank loan rollovers	4,591,260	89,556,862	142,660,534
20.0005. Stock conversions	2,881,295	9,474,726	33,907,076
20.0006. Dividend reinvestment	1,049,686	2,774,404	16,248,526
20.0007. Net investment income payment in-kind bonds	841,187	801,030	11,870,342
20.0008. Interest capitalization for long-term debt	466,247	2,446,396	3,178,617
20.0009. Transfer from other invested assets to real estate in connection with a change in accounting principle		23,950,611	23,950,611

STATEMENT AS OF MARCH 31, 2016 OF THE Massachusetts Mutual Life Insurance Company

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

20.0010. Other invested assets stock distribution .....	.....	.....654,431	.....5,075,094
20.0011. Premium recognized for a group annuity contract .....	.....	.....	.....1,470,936,408
20.0012. Bonds received as consideration for a group annuity contract .....	.....	.....	.....1,466,416,514
20.0013. Bonds received as consideration for assignment of deposit-type liabilities .....	.....	.....	.....690,233,257
20.0014. Deposit-type liabilities assigned in exchange for bonds .....	.....	.....	.....690,233,257
20.0015. Bonds received in exchange for equity of an indirect subsidiary .....	.....	.....	.....184,795,000
20.0016. Transfers from bonds to other invested assets .....	.....	.....	.....19,216,790
20.0017. Other invested assets received as consideration for a group annuity contract .....	.....	.....	.....4,519,894

EXHIBIT 1**DIRECT PREMIUMS AND DEPOSIT-TYPE CONTRACTS**

	1 Current Year To Date	2 Prior Year To Date	3 Prior Year Ended December 31
1. Industrial life			
2. Ordinary life insurance	1,321,488,407	1,253,623,909	5,856,832,074
3. Ordinary individual annuities	448,450,751	481,276,080	2,236,692,493
4. Credit life (group and individual)			
5. Group life insurance	416,330,034	273,771,835	1,411,032,497
6. Group annuities	2,398,811,018	2,116,510,745	10,543,969,860
7. A & H - group	39,320	41,452	168,621
8. A & H - credit (group and individual)			
9. A & H - other	173,914,933	170,866,329	693,011,064
10. Aggregate of all other lines of business			
11. Subtotal	4,759,034,463	4,296,090,350	20,741,706,609
12. Deposit-type contracts	520,198,992	299,208	3,932,606,315
13. Total	5,279,233,455	4,296,389,558	24,674,312,924
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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NOTES TO FINANCIAL STATEMENTS

Note 1 – Summary of Significant Accounting Policies and Going Concern

a. 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 State of Massachusetts is shown below:

	State of Domicile	2016	2015
NET INCOME			
(1) State basis (Page 4, Line 35, Columns 1 & 3)	MA	\$ (5,107,535)	\$ 412,180,593
(2) State prescribed practices that increase (decrease) NAIC SAP	-	-	-
(3) State permitted practices that increase (decrease) NAIC SAP	-	-	-
(4) NAIC SAP (1-2-3=4)	MA	<u>\$ (5,107,535)</u>	<u>\$ 412,180,593</u>
SURPLUS			
(5) State basis (Page 3, Line 38, Columns 1 & 2)	MA	\$ 15,409,266,180	\$ 14,982,532,137
(6) State prescribed practices that increase (decrease) NAIC SAP	-	-	-
(7) State permitted practices that increase (decrease) NAIC SAP	-	-	-
(8) NAIC SAP (5-6-7=8)	MA	<u>\$ 15,409,266,180</u>	<u>\$ 14,982,532,137</u>

b. Use of estimates in the preparation of the financial statements – No change

c. Accounting policy:

(1-5) No change

(6) For fixed income securities that do not have a fixed schedule of payments, 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 for each type of security.

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 yield 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

d. Going concern – No change

Note 2 – Accounting Changes and Corrections of Errors

a. The following summarizes the corrections of prior year errors that have been recorded in surplus, net of tax:

	Three Months Ended March 31, 2016		
	Decrease to:		
	Prior Year Net Income	Current Year Surplus	Asset Balances
Federal income tax receivable	\$ 19,361,709	\$ 19,361,709	\$ 19,361,709
Partnerships and limited liability companies	-	5,286,659	5,286,659
Total	<u>\$ 19,361,709</u>	<u>\$ 24,648,368</u>	<u>\$ 24,648,368</u>

For the three months ended March 31, 2015, corrections of prior year errors were recorded in surplus:

	Three Months Ended March 31, 2015		
	Increase (Decrease) to:		
	Prior Year Income	Current Year Surplus	Correction of Asset or Liability Balances
Policyholders' reserves, net of tax	\$ 10,725,000	\$ 10,725,000	\$ (10,725,000)
Net investment income	(1,546,875)	(1,546,875)	(1,546,875)
Total	<u>\$ 9,178,125</u>	<u>\$ 9,178,125</u>	<u>\$ (12,271,875)</u>

Certain prior year amounts within these financial statements have been reclassified to conform to the current year presentation.

b. Adoption of new accounting standards – No change

Note 3 – Business Combinations and Goodwill – No change

Note 4 – Discontinued Operations – No change

NOTES TO FINANCIAL STATEMENTS

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 and structured 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 OTTI classified on the following bases for recognizing OTTI:

	(1) Amortized Cost Basis Before OTTI	(2) OTTI Recognized in Loss		(3) Fair Value 1-(2a+2b)
		(2a) Interest	(2b) Non-interest	
OTTI recognized in the first quarter				
a. Intent to sell	\$ -	\$ -	\$ -	\$ -
b. Inability or lack of intent to retain the investment in the security for a period of time sufficient to recover the amortized cost basis	<u>57,985,071</u>	<u>-</u>	<u>2,201,092</u>	<u>55,783,979</u>
c. Total first quarter	<u>\$ 57,985,071</u>	<u>\$ -</u>	<u>\$ 2,201,092</u>	<u>\$ 55,783,979</u>
OTTI 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	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
f. Total second quarter	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
OTTI recognized in the third quarter				
g. Intent to sell	\$ -	\$ -	\$ -	\$ -
h. Inability or lack of intent to retain the investment in the security for a period of time sufficient to recover the amortized cost basis	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
i. Total third quarter	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
OTTI 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	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
l. Total fourth quarter	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
m. Annual Aggregate Total		<u>\$ -</u>	<u>\$ 2,201,092</u>	

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

NOTES TO FINANCIAL STATEMENTS

- (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	Date of Financial Instrument Where Reported
126671UU8	\$ 30,843.19	\$ 30,347.96	\$ (495.23)	\$ 30,347.96	\$ 27,811.82	March 31, 2016
17307GKZ0	114,400.45	113,135.78	(1,264.67)	113,135.78	111,921.16	March 31, 2016
18974BAA7	466,325.47	430,445.97	(35,879.50)	430,445.97	421,446.58	March 31, 2016
18974BAN9	237,052.69	213,790.46	(23,262.23)	213,790.46	222,125.05	March 31, 2016
22943HAD8	5,057,583.09	4,776,999.74	(280,583.35)	4,776,999.74	3,447,059.39	March 31, 2016
466247BC6	20,209.32	19,688.63	(520.69)	19,688.63	20,079.24	March 31, 2016
55274SAM3	277,221.19	256,965.37	(20,255.82)	256,965.37	260,976.03	March 31, 2016
57643QAE5	4,663,518.83	4,642,799.60	(20,719.23)	4,642,799.60	4,586,797.71	March 31, 2016
585525FC7	31,899.50	31,602.82	(296.68)	31,602.82	30,654.61	March 31, 2016
5899292N7	517,738.49	510,348.31	(7,390.18)	510,348.31	511,562.29	March 31, 2016
589929N38	678,883.40	670,090.23	(8,793.17)	670,090.23	666,652.96	March 31, 2016
77277LAF4	25,446,697.15	24,419,541.90	(1,027,155.25)	24,419,541.90	34,016,670.90	March 31, 2016
77277LAH0	1,278,117.51	1,228,012.37	(50,105.14)	1,228,012.37	3,277,728.00	March 31, 2016
77277LAJ6	18,098,147.19	17,388,773.03	(709,374.16)	17,388,773.03	21,405,612.42	March 31, 2016
88157QAL2	493,785.09	486,131.81	(7,653.28)	486,131.81	1,007,051.00	March 31, 2016
9292276K7	572,648.05	565,304.85	(7,343.20)	565,304.85	564,247.57	March 31, 2016
Totals	\$ 57,985,070.61	\$ 55,783,978.83	\$ (2,201,091.78)	\$ 55,783,978.83	\$ 70,578,396.73	

- (4) As of March 31, 2016, 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	\$ (149,089,291)
2. 12 months or longer	\$ (184,268,059)
b. The aggregate related fair value of securities with unrealized losses:	
1. Less than 12 months	\$ 4,785,772,451
2. 12 months or longer	\$ 4,435,537,401

- (5) No change

- e. Repurchase agreements:

(1-2) No change

- (3) The Company does not have any securities lending transactions administered by an affiliated agent.

(4-6) No change

- f. Real estate – No change

- g. Low income housing tax credit properties – No change

- h. Restricted assets – No change

- i. Working capital finance investments – The Company did not invest in working capital finance investments.

- j. 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.

- k. Structured notes - No change

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 – No change

Note 10 – Information Concerning Parent, Subsidiaries and Affiliates

- a-c. The Company received cash dividends, recorded in net investment income, from MMHLLC of \$100,000,000 million in 2016 and \$500,000,000 in 2015.

MassMutual contributed nine investments with a book value of \$670,164,387 million to MMHLLC in 2016. This contribution was recorded at book value, and accordingly, there was no gain or loss recognized. No capital contribution was made to MMHLLC through the three months ended March 31, 2015.

- b-f. No change

NOTES TO FINANCIAL STATEMENTS

- g. MassMutual Holding LLC's (MMHLLC) subsidiaries are involved in litigation and investigations arising in the normal course of business, which seek compensatory damages, punitive damages and equitable remedies. Although the Company is not aware of any actions or allegations that reasonably should 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-l. 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 \$900,000,000 as of March 31, 2016.

- (2) FHLB Boston capital stock

- a. Aggregate totals:

1. Current year:

		March 31, 2016		
		1 Total 2+3	2 General Account	3 Separate Account
(a)	Membership stock - class A	\$ -	\$ -	-
(b)	Membership stock - class B	25,000,000	25,000,000	-
(c)	Activity stock	49,500,000	49,500,000	-
(d)	Excess stock	-	-	-
(e)	Aggregate total	\$ 74,500,000	\$ 74,500,000	\$ -
(f)	Actual borrowing capacity as determined by the Insurer	\$ 2,000,000,000	\$ 2,000,000,000	\$ -

2. Prior year-end:

		December 31, 2015		
		1 Total 2+3	2 General Account	3 Separate Account
(a)	Membership stock - class A	\$ -	\$ -	-
(b)	Membership stock - class B	25,000,000	25,000,000	-
(c)	Activity stock	49,500,000	49,500,000	-
(d)	Excess stock	-	-	-
(e)	Aggregate total	\$ 74,500,000	\$ 74,500,000	\$ -
(f)	Actual borrowing capacity as determined by the Insurer	\$ 900,000,000	\$ 900,000,000	\$ -

- b. Membership stock (class A and B) eligible and not eligible for redemption:

		Three Months Ended March 31, 2016				
Membership Stock	Current Year Total	Not Eligible for Redemption	Less Than 6 Months	6 Months to Less Than 1 Year	1 to Less Than 3 Years	3 to 5 Years
1.	Class A	\$ -	\$ -	\$ -	\$ -	\$ -
2.	Class B	25,000,000	25,000,000	-	-	-

NOTES TO FINANCIAL STATEMENTS

(3) Collateral pledged to FHLB:

a. Amount pledged as of March 31, 2016:

1. Current year total general and separate accounts:

	Fair Value	Carrying Value	Aggregate Total Borrowing
Total collateral pledged	\$ 1,260,864,082	\$ 1,139,548,781	\$ 1,105,325,542

2. Current year general account:

	Fair Value	Carrying Value	Aggregate Total Borrowing
Total collateral pledged	\$ 1,260,864,082	\$ 1,139,548,781	\$ 1,105,325,542

3. Current year separate accounts:

	Fair Value	Carrying Value	Aggregate Total Borrowing
Total collateral pledged	\$ -	\$ -	\$ -

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

	Fair Value	Carrying Value	Aggregate Total Borrowing
Total collateral pledged	\$ 1,237,454,703	\$ 1,108,805,989	\$ 1,103,891,028

b. Maximum amount pledged for the three months ended March 31, 2016:

1. Current year total general and separate accounts:

	Fair Value	Carrying Value	Amount Borrowed at Time of Maximum Collateral
Maximum collateral pledged	\$ 1,263,204,971	\$ 1,139,548,781	\$ 1,107,695,222

2. Current year general account:

	Fair Value	Carrying Value	Amount Borrowed at Time of Maximum Collateral
Maximum collateral pledged	\$ 1,263,204,971	\$ 1,139,548,781	\$ 1,107,695,222

3. Current year separate accounts:

	Fair Value	Carrying Value	Amount Borrowed at Time of Maximum Collateral
Maximum collateral pledged	\$ -	\$ -	\$ -

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

	Fair Value	Carrying Value	Amount Borrowed at Time of Maximum Collateral
Maximum collateral pledged	\$ 1,272,134,217	\$ 1,133,723,274	\$ 1,107,271,444

NOTES TO FINANCIAL STATEMENTS

(4) Borrowing from FHLB:

a. Amount:

1. Current year:

	March 31, 2016			
	1 Total 2+3	2 General Account	3 Separate Account	4 Funding Agreements Reserves Established
(a) Debt	\$ -	\$ -	\$ -	\$ -
(b) Funding agreements	1,105,325,542	1,105,325,542	-	1,105,325,542
(c) Other	-	-	-	-
(d) Aggregate total	<u>\$ 1,105,325,542</u>	<u>\$ 1,105,325,542</u>	<u>\$ -</u>	<u>\$ 1,105,325,542</u>

2. Prior Year-end:

	December 31, 2015			
	1 Total 2+3	2 General Account	3 Separate Account	4 Funding Agreements Reserves Established
(a) Debt	\$ -	\$ -	\$ -	\$ -
(b) Funding agreements	1,103,891,028	1,103,891,028	-	1,103,891,028
(c) Other	-	-	-	-
(d) Aggregate total	<u>\$ 1,103,891,028</u>	<u>\$ 1,103,891,028</u>	<u>\$ -</u>	<u>\$ 1,103,891,028</u>

b. Maximum Amount:

	Three Months Ended March 31, 2016		
	1 Total 2+3	2 General Account	3 Separate Account
1. Debt	\$ -	\$ -	\$ -
2. Funding	1,107,695,222	1,107,695,222	-
3. Other	-	-	-
4. Aggregate	<u>\$ 1,107,695,222</u>	<u>\$ 1,107,695,222</u>	<u>\$ -</u>

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 provides multiple benefit plans including retirement plans and life and health benefits to employees, certain employees of unconsolidated subsidiaries, agents and retirees.

(2-3) No change

(4) Components of net periodic benefit cost:

	Three Months Ended March 31,					
	2016	2015	2016		2015	
			2016	2015	2016	2015
	Pension Benefits		Postretirement Benefits		Special or Contractual Benefits Per SSAP No 11	
a. Service cost	\$ 21,293,760	\$ 17,884,892	\$ 2,550,000	\$ 2,225,000	\$ 643,750	\$ 649,750
b. Interest cost	28,277,446	25,400,748	2,925,000	3,775,000	81,250	25,250
c. Expected return on plan assets	(35,995,628)	(38,544,984)	(25,000)	(25,000)	-	-
d. Transition asset or obligation	-	-	-	-	-	-
e. Gains and losses	17,571,350	16,293,674	800,000	975,000	-	-
f. Prior service cost or (credit)	780,671	903,661	(1,375,000)	1,125,000	-	-
g. Gain or loss recognized due to settlement or curtailment	-	-	-	-	-	-
h. Total net periodic benefit cost	<u>\$ 31,927,599</u>	<u>\$ 21,937,991</u>	<u>\$ 4,875,000</u>	<u>\$ 8,075,000</u>	<u>\$ 725,000</u>	<u>\$ 675,000</u>

(5-21) No change

b-j. No change

NOTES TO FINANCIAL STATEMENTS

Note 13 – Capital and Surplus, Shareholders' Dividend Restrictions and Quasi-Reorganizations

(1-3) No change

- (4) The Company received of cash dividends, recorded in net investment income, from MMHLLC of \$100,000,000 in 2016 and \$500,000,000 in 2015.

The Company contributed capital of \$0 to MMHLLC for the year ended March 31, 2016 and \$20,000,000 for the year ended March 31, 2015.

(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. All other contingencies:

The Company is involved in litigation arising in the normal course of business, which seeks compensatory damages, punitive damages and equitable remedies. Although the Company is not aware of any actions or allegations that reasonably should 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 results of operations for a particular period depending upon, among other factors, the size of the loss and the level of the Company's results of operations for the period.

In 2008, the Company and MMHLLC were named as defendants in several lawsuits filed in federal and state courts in Colorado, Massachusetts, New Mexico, New York and Washington by investors seeking to recover investments they allegedly lost as a result of the "Ponzi" scheme run by Bernard L. Madoff through his company, Bernard L. Madoff Investment Securities, LLC. Certain of these lawsuits also named Tremont Group Holdings, Inc. and certain of its affiliates, and certain of their respective current or former officers and directors, as defendants. The plaintiffs alleged a variety of state law and federal security claims against the defendants. In 2015, the companies entered into settlement agreements and paid \$38,500,000 in connection with these agreements. The Company recorded the loss as a change in net unrealized capital losses, net of tax, in the Statutory Statements of Changes in Surplus.

In 2009, several lawsuits were filed as putative class actions and later consolidated before the federal district court in Colorado in connection with the investment performance of Oppenheimer Rochester California Municipal Fund (the California Fund Suit). This fund was advised by OppenheimerFunds, Inc. (OFI) and distributed by its subsidiary OppenheimerFunds Distributor, Inc. (OFDI). The plaintiffs in the California Fund Suit asserted claims against the Company, OFI, OFDI and certain present and former trustees and officers of the fund under federal securities laws and allege, among other things, the disclosure documents of the fund contained misrepresentations and omissions, that the investment policies of the fund were not followed, and that the fund and the other defendants violated federal securities laws and regulations and certain state laws. Plaintiffs filed an amended complaint and defendants filed a motion to dismiss. In 2011, the district court issued an order that granted in part and denied in part the defendants' motion to dismiss. In March 2015, the district court granted the plaintiffs' motion to certify a class and to appoint class representatives and class counsel. In December 2015, the appeals court denied defendants' petition to appeal the district court's class certification order. The defendants believe they have substantial defenses and will continue to vigorously defend themselves in this action. No reasonable estimate can be made at this time regarding the potential liability, if any, or the amount or range of any loss that may result from this suit.

In 2009, the Company was named as a defendant in a lawsuit filed in North Carolina state court related to certain losses in a bank owned life insurance (BOLI) policy issued by the Company. The plaintiff alleges, among other things, fraud, breach of contract and breach of fiduciary duty claims against the Company, and it seeks to recover losses arising from investments pursuant to the BOLI policy. The parties have completed discovery and are preparing for trial. In May 2015, the plaintiff voluntarily dismissed its complaint and refiled the case. The Company believes it has substantial defenses and will continue to vigorously defend itself in this action. No reasonable estimate can be made at this time regarding the potential liability, if any, or the amount or range of any loss that may result from this suit.

In 2010, Christina Chavez (Chavez) filed a putative class action complaint in California state court against the Company. Chavez alleges that the Company breached its obligations to its term life policyholders in California by not paying dividends on those policies. The parties are engaged in active discovery. In 2014, the parties participated in a mediation of their dispute, which did not result in a settlement. In July 2015, the judge certified a subclass consisting of one of twenty-six potential term products at issue in this case. All remaining subclasses were dismissed without prejudice. The Company believes it has substantial defenses and will continue to vigorously defend itself in this action. No reasonable estimate can be made at this time regarding the potential liability, if any, or the amount or range of any loss that may result from this claim.

In 2012, Karen Bacchi filed a putative class action complaint against the Company in federal court in Massachusetts alleging that the Company breached its contracts by allegedly failing to distribute surplus in excess of the statutorily prescribed limit. In 2015, the court denied the Company's motion to dismiss. In 2016, fact discovery was completed. The Company believes that it has substantial defenses and will continue to vigorously defend itself in this action. No reasonable estimate can be made at this time regarding the potential liability, if any, or the amount or range of any loss that may result from this claim.

In 2013, seven participants in the MassMutual Thrift Plan (the Thrift Plan) filed a putative class action complaint in federal court in Massachusetts. The complaint alleges, among other things, that the Company, the Investment Fiduciary Committee, the Thrift Plan Administrative Committee and individually named "fiduciaries" breached their duties by allowing the Thrift Plan to pay excessive fees and by engaging in self-dealing. The parties are in active discovery. The Company believes that it has substantial defenses and will continue to vigorously defend itself in this action. No reasonable estimate can be made at this time regarding the potential liability, if any, or the amount or range of any loss that may result from this claim.

In January 2016, Deborah Bishop-Bristol (Bishop) filed a putative class action complaint against the Company in federal court in Connecticut. The lawsuit alleges that the Company breached its fiduciary duty by controlling the crediting rate, and therefore the compensation earned on the stable value products. Further, the complaint alleges that the Company failed to adequately disclose the pricing spread and accepted excessive fees for investment, management and administrative services. The Company believes that it has substantial defenses and will vigorously defend itself in this action. No reasonable estimate can be made regarding the potential liability, if any, or the amount or range of any loss that may result from this claim.

NOTES TO FINANCIAL STATEMENTS

f. Regulatory matters:

The Company is subject to governmental and administrative proceedings and regulatory inquiries, examinations and investigations in the ordinary course of its business. In connection with regulatory inquiries, examinations and investigations, the Company has been contacted by various regulatory agencies including, among others, the Securities and Exchange Commission, the U.S. Department of Labor and various state insurance departments and state attorneys general. The Company has cooperated fully with these regulatory agencies with regard to their inquiries, examinations and investigations and has responded to information requests and comments.

Market volatility in the financial services industry over the last several years has contributed to increased scrutiny of the entire financial services industry. Therefore, the Company believes that it is reasonable to expect that proceedings, regulatory inquiries, examinations and investigations into the insurance and financial services industries will continue for the foreseeable future. Additionally, new industry-wide legislation, rules and regulations could significantly affect the insurance and financial services industries as a whole. It is the opinion of management that the ultimate resolution of these regulatory inquiries, examinations, investigations, legislative and regulatory changes of which we are aware will not materially impact the Company's financial position or liquidity. However, the outcome of a particular matter may be material to the Company's operating results for a particular period depending upon, among other factors, the financial impact of the matter and the level of the Company's results of operations for the period.

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 2016 or 2015.

(3) No change

(4) The Company did not have interests that continue to be held by a transferor in securitized financial assets in 2016 or 2015.

(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 through the first quarter ended March 31, 2016 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

- a. 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 London Interbank Offered Rate (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.

NOTES TO FINANCIAL STATEMENTS

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 Barclay's Aggregate Bond 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:

	March 31, 2016			
	Level 1	Level 2	Level 3	Total
Financial assets:				
Bonds:				
States, territories and possessions	\$ -	\$ 8,511,230	\$ -	\$ 8,511,230
Special revenue	-	5,328,529	-	5,328,529
Industrial and miscellaneous	-	12,097,352	84,081,390	96,178,742
Parent, subsidiaries and affiliates	-	72,260,453	47,119,389	119,379,842
Preferred stocks	-	-	2,975,621	2,975,621
Common stock - subsidiaries and affiliates	371,142,869	43,478,846	56,385,410	471,007,125
Common stock - unaffiliated	507,131,654	489,647,566	187,462,948	1,184,242,168
Derivatives:				
Interest rate swaps	-	11,822,436,766	-	11,822,436,766
Options	-	641,355,077	-	641,355,077
Currency swaps	-	533,201,339	-	533,201,339
Forward contracts	-	12,745,730	-	12,745,730
Credit default swaps	-	20,612	-	20,612
Separate account assets	39,073,832,845	21,547,972,210	719,097,789	61,340,902,844
Total financial assets carried at fair value	<u>\$ 39,952,107,368</u>	<u>\$ 35,189,055,710</u>	<u>\$ 1,097,122,547</u>	<u>\$ 76,238,285,625</u>
Financial liabilities:				
Derivatives:				
Interest rate swaps	\$ -	\$ 9,454,384,245	\$ -	\$ 9,454,384,245
Options	-	5,257,380	-	5,257,380
Currency swaps	-	64,130,162	-	64,130,162
Forward contracts	-	55,100,926	-	55,100,926
Credit default swaps	-	1,634,398	-	1,634,398
Total financial liabilities carried at fair value	<u>\$ -</u>	<u>\$ 9,580,507,111</u>	<u>\$ -</u>	<u>\$ 9,580,507,111</u>

In 2016, there were no significant transfers between Level 1 and Level 2.

NOTES TO FINANCIAL STATEMENTS

	December 31, 2015			
	Level 1	Level 2	Level 3	Total
Financial assets:				
Bonds:				
States, territories and possessions	\$ -	\$ 2,025,290	\$ -	\$ 2,025,290
Special revenue	-	4,387,512	-	4,387,512
Industrial and miscellaneous	-	18,406,412	21,822,270	40,228,682
Parent, subsidiaries and affiliates	-	46,645,754	44,987,196	91,632,950
Preferred stocks	-	3,335,616	2,433,928	5,769,544
Common stock - subsidiaries and affiliates	307,722,508	93,756,526	39,651,503	441,130,537
Common stock - unaffiliated	444,993,908	515,494,915	179,143,468	1,139,632,291
Separate account assets	39,355,125,013	20,305,097,915	725,326,815	60,385,549,743
Derivatives:				
Interest rate swaps	-	8,032,773,588	-	8,032,773,588
Options	-	622,038,103	-	622,038,103
Currency swaps	-	536,223,936	-	536,223,936
Forward contracts	-	54,705,003	-	54,705,003
Credit default swaps	-	2,109,518	-	2,109,518
Total financial assets carried at fair value	\$ 40,107,841,429	\$ 30,237,000,088	\$ 1,013,365,180	\$ 71,358,206,697
Financial liabilities:				
Derivatives:				
Interest rate swaps	\$ -	\$ 5,796,878,600	\$ -	\$ 5,796,878,600
Options	-	7,137,990	-	7,137,990
Currency swaps	-	4,362,189	-	4,362,189
Forward contracts	-	12,530,171	-	12,530,171
Credit default swaps	-	1,971,711	-	1,971,711
Total financial liabilities carried at fair value	\$ -	\$ 5,822,880,661	\$ -	\$ 5,822,880,661

In 2015, there were no significant transfers between Level 1 and Level 2.

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

	Balance as of 01/01/2016		Transfers ⁽¹⁾		Gains (Losses) in Net Income		Gains (Losses) in Surplus		Purchases Issuances		Sales Settlements		Balance as of 03/31/2016
	In	Out	Net Income	Surplus	Purchases	Issuances	Sales	Settlements					
Financial assets:													
Bonds:													
Industrial and miscellaneous	\$ 21,822,270	\$ 88,814,003	\$ -	\$ (9,220,000)	\$ (15,870,427)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,464,456)	\$ -	\$ 84,081,390
Parent, subsidiaries and affiliates	44,987,196	-	-	(372,830)	2,132,193	-	372,830	-	-	-	-	-	47,119,389
Preferred stock	2,433,928	546,253	-	-	(4,560)	-	-	-	-	-	-	-	2,975,621
Common stock - subsidiaries and affiliates	39,651,503	15,896,988	-	-	836,919	-	-	-	-	-	-	-	56,385,410
Common stock - unaffiliated	179,143,468	309,034	-	391,357	7,295,055	1,246,826	-	-	-	-	(922,792)	-	187,462,948
Separate account assets	725,326,815	5,096,000	-	(3,483,836)	-	20,306,952	-	-	-	-	(27,197,158)	(950,984)	719,097,789
Total financial assets	\$ 1,013,365,180	\$ 110,662,278	\$ -	\$ (12,685,309)	\$ (5,610,820)	\$ 21,553,778	\$ 372,830	\$ -	\$ (28,119,950)	\$ -	\$ (2,415,440)	\$ -	\$ 1,097,122,547

⁽¹⁾Transfers include assets that are either no longer carried at fair value, or have just begun to be carried at fair value, such as assets with no level changes but change in lower of cost or market carrying basis. It, also, includes assets that are either 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 lower of cost or market carrying basis.

	Balance as of 01/01/2015		Transfers ⁽¹⁾		Gains (Losses) in Net Income		Gains (Losses) in Surplus		Purchases Issuances		Sales Settlements		Balance as of 12/31/2015
	In	Out	Net Income	Surplus	Purchases	Issuances	Sales	Settlements					
Financial assets:													
Bonds:													
Industrial and miscellaneous	\$ 109,015,810	\$ -	\$ (43,673,606)	\$ (40,000,056)	\$ 1,249,215	\$ -	\$ 3,166,985	\$ (4,183,244)	\$ -	\$ -	\$ (3,752,834)	\$ -	\$ 21,822,270
Parent, subsidiaries, and affiliates	78,490,924	-	(26,558,966)	(368,793)	(5,108,982)	-	-	-	-	-	(1,466,987)	-	44,987,196
Preferred Stock	3,496,368	-	(1,184,136)	-	121,696	-	-	-	-	-	-	-	2,433,928
Common stock - subsidiaries and affiliates	81,063,876	3,552,769	-	8,120,543	(28,561,294)	460,000,237	35,064,941	(493,340,895)	-	-	(26,248,674)	-	39,651,503
Common stock - unaffiliated	159,740,306	-	(4,650,981)	10,561,496	(10,797,059)	36,764,277	7,234	(11,955,229)	-	-	(526,576)	-	179,143,468
Separate account assets	599,966,983	-	-	25,699,837	-	168,511,837	-	-	-	-	(68,227,094)	-	725,326,815
Total financial assets	\$ 1,031,774,267	\$ 3,552,769	\$ (76,067,689)	\$ 4,013,027	\$ (43,096,424)	\$ 665,276,351	\$ 38,239,160	\$ (577,706,462)	\$ -	\$ -	\$ (32,619,819)	\$ -	\$ 1,013,365,180

⁽¹⁾Transfers include assets that are either 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 lower of cost or market carrying basis.

NOTES TO FINANCIAL STATEMENTS

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. There are no financial assets or liabilities classified as Level 3 in 2016 and 2015.

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 (OIS) 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.

NOTES TO FINANCIAL STATEMENTS

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

	March 31, 2016					Not Practicable (Carrying Value)
	Aggregate Fair Value	Admitted Assets	Level 1	Level 2	Level 3	
Financial assets:						
Bonds:						
U. S. government and agencies	\$ 9,075,225,927	\$ 8,160,312,853	\$ -	\$ 9,070,653,432	\$ 4,572,495	-
All other governments	829,019,000	795,887,590	-	754,899,278	74,119,722	-
States, territories and possessions	793,350,185	725,281,596	-	793,350,185	-	-
Political subdivisions	522,923,838	473,843,743	-	522,544,335	379,503	-
Special revenue	6,254,374,311	5,416,625,880	-	6,198,980,435	55,393,876	-
Industrial and miscellaneous	61,074,699,374	59,466,271,276	-	36,113,498,940	24,961,200,434	-
Parent, subsidiaries and affiliates	6,742,638,916	6,544,638,503	-	663,346,595	6,079,292,321	-
Preferred stocks	440,980,014	462,972,382	12,899,550	29,263,450	398,817,014	-
Common stocks - subsidiaries and affiliates ⁽¹⁾	471,007,125	471,007,125	371,142,869	43,478,846	56,385,410	-
Common stocks - unaffiliated	1,184,242,168	1,184,242,168	507,131,654	489,647,566	187,462,948	-
Mortgage loans - commercial	21,029,822,481	20,299,170,853	-	-	21,029,822,481	-
Mortgage loans - residential	1,818,411,285	1,833,793,319	-	-	1,818,411,285	-
Derivatives:						
Interest rate swaps	13,135,839,343	11,822,436,766	-	13,135,839,343	-	-
Options	641,355,077	641,355,077	-	641,355,077	-	-
Currency swaps	533,201,339	533,201,339	-	533,201,339	-	-
Forward contracts	12,745,730	12,745,730	-	12,745,730	-	-
Credit default swaps	18,354,584	17,854,579	-	18,354,584	-	-
Cash, cash equivalents and short-term investments						
	3,215,650,356	3,215,650,356	178,990,686	3,036,659,670	-	-
Separate account assets	61,340,902,844	61,340,902,844	39,073,832,845	21,547,972,210	719,097,789	-
Financial liabilities:						
Repurchase agreements	4,949,084,975	4,949,084,975	-	4,949,084,975	-	-
Commercial paper and other borrowed money	282,067,895	282,067,895	-	249,959,355	32,108,540	-
Guaranteed interest contracts	6,044,875,329	5,989,658,108	-	-	6,044,875,329	-
Group annuity contracts and other deposits	18,214,557,738	17,767,064,953	-	-	18,214,557,738	-
Individual annuity contracts	8,496,288,105	6,693,313,004	-	-	8,496,288,105	-
Supplementary contracts	1,113,418,370	1,112,343,810	-	-	1,113,418,370	-
Derivatives:						
Interest rate swaps	9,454,384,245	9,454,384,245	-	9,454,384,245	-	-
Options	5,257,380	5,257,380	-	5,257,380	-	-
Currency swaps	64,130,162	64,130,162	-	64,130,162	-	-
Forward contracts	55,100,926	55,100,926	-	55,100,926	-	-
Credit default swaps	14,923,299	12,302,023	-	14,923,299	-	-

⁽¹⁾ Common stocks - subsidiaries and affiliates do not include unconsolidated subsidiaries, which had a statutory carrying value of \$8,822,487,311.

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December 31, 2015

	Aggregate		Admitted			Not Practicable (Carrying Value)
	Fair Value	Assets	Level 1	Level 2	Level 3	
Financial assets:						
Bonds:						
U. S. government and agencies	\$ 8,526,297,862	\$ 8,015,146,491	\$ -	\$ 8,521,541,570	\$ 4,756,292	\$ -
All other governments	762,254,457	761,981,449	-	690,626,966	71,627,491	-
States, territories and possessions	775,665,283	726,674,452	-	775,665,283	-	-
Political subdivisions	503,245,574	468,247,496	-	503,245,574	-	-
Special revenue	6,060,747,491	5,414,143,402	-	6,024,457,987	36,289,504	-
Industrial and miscellaneous	58,259,806,990	57,983,900,822	-	35,009,485,843	23,250,321,147	-
Parent, subsidiaries and affiliates	6,340,300,045	6,176,502,009	-	645,604,264	5,694,695,781	-
Preferred stocks	520,240,389	532,949,649	12,936,825	30,465,429	476,838,135	-
Common stock - subsidiaries and affiliates ⁽¹⁾	441,130,537	441,130,537	307,722,508	93,756,526	39,651,503	-
Common stock - unaffiliated	1,139,632,291	1,139,632,291	444,993,908	515,494,915	179,143,468	-
Mortgage loans - commercial	20,815,373,187	20,286,922,792	-	-	20,815,373,187	-
Mortgage loans - residential	1,683,836,408	1,720,806,602	-	-	1,683,836,408	-
Derivatives:						
Interest rate swaps	8,553,869,196	8,032,773,588	-	8,553,869,196	-	-
Options	622,038,103	622,038,103	-	622,038,103	-	-
Currency swaps	536,223,936	536,223,936	-	536,223,936	-	-
Forward contracts	54,705,003	54,705,003	-	54,705,003	-	-
Credit default swaps	12,936,195	22,337,494	-	12,936,195	-	-
Cash, cash equivalents and short-term investments						
	3,048,645,110	3,048,645,110	174,097,018	2,874,548,092	-	-
Separate account assets	60,385,549,743	60,385,549,743	39,355,125,013	20,305,097,915	725,326,815	-
Financial liabilities:						
Repurchase agreements	5,130,020,438	5,130,020,438	-	5,130,020,438	-	-
Commercial paper	276,817,818	276,817,818	-	249,961,873	26,855,945	-
Guaranteed investment contracts	5,933,135,866	5,944,199,556	-	-	5,933,135,866	-
Group annuity contracts and other deposits	18,667,420,320	17,939,042,206	-	-	18,667,420,320	-
Individual annuity contracts	8,025,472,790	6,501,371,583	-	-	8,025,472,790	-
Supplementary contracts	1,094,675,561	1,093,629,530	-	-	1,094,675,561	-
Derivatives:						
Interest rate swaps	5,839,065,952	5,796,878,600	-	5,839,065,952	-	-
Options	7,137,990	7,137,990	-	7,137,990	-	-
Currency swaps	4,362,189	4,362,189	-	4,362,189	-	-
Forward contracts	12,530,171	12,530,171	-	12,530,171	-	-
Credit default swaps	19,978,040	19,431,763	-	19,978,040	-	-

⁽¹⁾Common stocks - subsidiaries and affiliates do not include unconsolidated subsidiaries, which had statutory carrying values of \$7,519,199,138.

- d. For the three months ended March 31, 2016, 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, are accounted for using the statutory equity method. The Company accounts for the value of MMHLLC at its underlying U.S. generally accepted accounting principles equity value adjusted to remove certain nonadmitted and intangible assets, as well as 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 \$2,601,000,000 as of March 31, 2016 and \$2,600,000,000 as of December 31, 2015. The current fair value of MMHLLC remains significantly greater than its statutory carrying value.

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 2015 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.

NOTES TO FINANCIAL STATEMENTS

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 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 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 quality, 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.

Significant volatility in the financial markets, and government actions taken in response, may exacerbate some of the risks the Company faces. The Company holds investments in energy and certain other commodity sectors, which have experienced similar overall market volatility and declines. With the continued weaker economic outlook in these sectors, there may be an increase in reported default rates or potential downgrades to the ratings of companies exposed to these sectors. In addition, concerns over the solvency of certain countries and sovereignties and the entities that have significant exposure to their debt have created market volatility. This volatility may continue to affect the performance of various asset classes until there is an ultimate resolution of the sovereign debt related concerns.

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.

- 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) The actual cost reduced by paydowns, carrying value, fair value and related gross realized losses from OTTI of the Company's investments with significant Alt-A and subprime exposure were as follows:

	March 31, 2016			Three Months Ended March 31, 2016
	Actual Cost	Carrying Value	Fair Value	OTTI
Alt-A:				
a. Residential mortgage-backed securities	\$ 549,656,267	\$ 398,951,171	\$ 477,948,263	\$ (339,725)
b. Commercial mortgage-backed securities	-	-	-	-
c. Collateralized debt obligations	-	-	-	-
d. Structured securities	-	-	-	-
e. Equity investments in SCAs *	41,128,768	28,678,316	34,452,467	-
f. Other assets	-	-	-	-
g. Total	<u>\$ 590,785,035</u>	<u>\$ 427,629,487</u>	<u>\$ 512,400,730</u>	<u>\$ (339,725)</u>

NOTES TO FINANCIAL STATEMENTS

	March 31, 2016			Three Months Ended March 31, 2016
	Actual	Carrying	Fair	OTTI
	Cost	Value	Value	
Subprime:				
a. Residential mortgage-backed securities	\$ 505,110,493	\$ 407,558,986	\$ 464,751,695	\$ (8,149)
b. Commercial mortgage-backed securities	-	-	-	-
c. Collateralized debt obligations	2,739,686	-	215,700	-
d. Structured securities	-	-	-	-
e. Equity investments in SCAs *	25,433,398	19,702,894	20,541,438	-
f. Other assets	-	-	-	-
g. Total	<u>\$ 533,283,577</u>	<u>\$ 427,261,880</u>	<u>\$ 485,508,833</u>	<u>\$ (8,149)</u>

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

	December 31, 2015			Year Ended December 31, 2015
	Actual	Carrying	Fair	OTTI
	Cost	Value	Value	
Alt-A:				
a. Residential mortgage-backed securities	\$ 583,018,752	\$ 426,014,622	\$ 512,932,882	\$ (101,892)
b. Commercial mortgage-backed securities	-	-	-	-
c. Collateralized debt obligations	-	-	-	-
d. Structured securities	-	-	-	-
e. Equity investments in SCAs *	43,319,861	30,323,549	36,560,464	(6,257)
f. Other assets	-	-	-	-
g. Total	<u>\$ 626,338,613</u>	<u>\$ 456,338,171</u>	<u>\$ 549,493,346</u>	<u>\$ (108,149)</u>

	December 31, 2015			Year Ended December 31, 2015
	Actual	Carrying	Fair	OTTI
	Cost	Value	Value	
Subprime:				
a. Residential mortgage-backed securities	\$ 525,983,338	\$ 425,091,644	\$ 492,047,313	\$ (16,036)
b. Commercial mortgage-backed securities	-	-	-	-
c. Collateralized debt obligations	2,739,686	-	215,700	-
d. Structured securities	-	-	-	-
e. Equity investments in SCAs *	26,673,128	20,749,354	22,339,498	(4,934)
f. Other assets	-	-	-	-
g. Total	<u>\$ 555,396,152</u>	<u>\$ 445,840,998</u>	<u>\$ 514,602,511</u>	<u>\$ (20,970)</u>

* 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 May 11, 2016, the date the financial statements were available to be issued.

On February 28, 2016, the Company entered into an agreement to acquire a U.S. retail advisor force; certain assets supporting the advisor force; and an affiliated broker-dealer. The advisor force includes more than 40 local sales and advisory operations and approximately 4,000 advisors across the country, which will expand the Company's existing Career Agency System of more than 5,600 financial professionals. The acquisition is expected to close in the second or third quarter of 2016 for cash payments of approximately \$300,000,000.

The Company and C.M. Life, its direct subsidiary, provide a revolving credit facility to MassMutual Asset Finance, LLC, an indirect subsidiary of the Company, to finance ongoing asset purchases and refinance existing lines of credit. Effective April 1, 2016, the total borrowing capacity under this facility was increased from \$3,275,000,000 to \$4,475,000,000.

On April 12, 2016, the Company issued a \$750,000,000 funding agreement, which supports a series of medium-term notes with 2% fixed rate coupons and 5-year maturities.

In April 2016, the Company made a \$98,433,184 capital contribution to MassMutual Asset Management LLC (MMAM), a direct subsidiary of MMHLLC. The capital contribution will be used to repurchase 895,579.879 shares of common stock of Oppenheimer Acquisition Corporation, a direct subsidiary of MMAM.

No other events have occurred subsequent to the date of the statement of financial position and before the date of evaluation that would require disclosure.

NOTES TO FINANCIAL STATEMENTS

Note 23 – Reinsurance

- a. Ceded Reinsurance Report:
 - Section 1 - General Interrogatories – No change
 - Section 2 - Ceded Reinsurance Report - Part A – No change
 - Section 3 - Ceded Reinsurance Report - Part B – No change

b-g. No change

Note 24 – Retrospectively Rated Contracts and Contracts Subject to Redetermination – No change

Note 25 – Change in Incurred Losses and Loss Adjustment Expenses

There was no increase to reserves in 2016 for incurred losses and loss adjustment expenses attributable to insured events of prior years, which were 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 Disclosure of Material Transactions with the State of Domicile, as required by the Model Act? Yes [] No [X]
- 1.2 If yes, has the report been filed with the domiciliary state? Yes [] No []
- 2.1 Has any change been made during the year of this statement in the charter, by-laws, articles of incorporation, or deed of settlement of the reporting entity? Yes [] No [X]
- 2.2 If yes, date of change:
- 3.1 Is the reporting entity a member of an Insurance Holding Company System consisting of two or more affiliated persons, one or more of which is an insurer? Yes [X] No []
If yes, complete Schedule Y, Parts 1 and 1A.
- 3.2 Have there been any substantial changes in the organizational chart since the prior quarter end? Yes [] No [X]
- 3.3 If the response to 3.2 is yes, provide a brief description of those changes.
- 4.1 Has the reporting entity been a party to a merger or consolidation during the period covered by this statement? Yes [] No [X]
- 4.2 If yes, provide the name of the entity, NAIC Company Code, and state of domicile (use two letter state abbreviation) for any entity that has ceased to exist as a result of the merger or consolidation.

1 Name of Entity	2 NAIC Company Code	3 State of Domicile

5. If the reporting entity is subject to a management agreement, including third-party administrator(s), managing general agent(s), attorney-in-fact, or similar agreement, have there been any significant changes regarding the terms of the agreement or principals involved? Yes [] No [X] N/A []
If yes, attach an explanation.
- 6.1 State as of what date the latest financial examination of the reporting entity was made or is being made. 12/31/2014
- 6.2 State the as of date that the latest financial examination report became available from either the state of domicile or the reporting entity. This date should be the date of the examined balance sheet and not the date the report was completed or released. 12/31/2009
- 6.3 State as of what date the latest financial examination report became available to other states or the public from either the state of domicile or the reporting entity. This is the release date or completion date of the examination report and not the date of the examination (balance sheet date). 04/01/2011
- 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 been accounted for in a subsequent financial statement filed with Departments? Yes [] No [] N/A [X]
- 6.6 Have all of the recommendations within the latest financial examination report been complied with? Yes [X] No [] N/A []
- 7.1 Has this reporting entity had any Certificates of Authority, licenses or registrations (including corporate registration, if applicable) suspended or revoked by any governmental entity during the reporting period? Yes [] No [X]
- 7.2 If yes, give full information:
- 8.1 Is the company a subsidiary of a bank holding company regulated by the Federal Reserve Board? Yes [] No [X]
- 8.2 If response to 8.1 is yes, please identify the name of the bank holding company.
- 8.3 Is the company affiliated with one or more banks, thrifts or securities firms? Yes [X] No []
- 8.4 If response to 8.3 is yes, please provide below the names and location (city and state of the main office) of any affiliates regulated by a federal regulatory services agency [i.e. the Federal Reserve Board (FRB), the Office of the Comptroller of the Currency (OCC), the Federal Deposit Insurance Corporation (FDIC) and the Securities Exchange Commission (SEC)] and identify the affiliate's primary federal regulator.

1 Affiliate Name	2 Location (City, State)	3 FRB	4 OCC	5 FDIC	6 SEC
Babson Capital Securities, LLC	Boston, MA				YES
Baring Asset Management (Asia) Limited	Hong Kong				YES
Baring International Investment Limited	London, UK				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
OppenheimerFunds Distributor, Inc.	New York, NY				YES
Society of Grownups, LLC	Springfield, MA				YES
The MassMutual Trust Company, FSB	Enfield, CT		YES		

GENERAL INTERROGATORIES

- 9.1 Are the senior officers (principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions) of the reporting entity subject to a code of ethics, which includes the following standards? Yes No
 (a) Honest and ethical conduct, including the ethical handling of actual or apparent conflicts of interest between personal and professional relationships;
 (b) Full, fair, accurate, timely and understandable disclosure in the periodic reports required to be filed by the reporting entity;
 (c) Compliance with applicable governmental laws, rules and regulations;
 (d) The prompt internal reporting of violations to an appropriate person or persons identified in the code; and
 (e) Accountability for adherence to the code.
 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
 9.21 If the response to 9.2 is Yes, provide information related to amendment(s).
 The Code was revised in January 2016. The revisions to the Code are not material in nature. The revisions clarify and heighten awareness of certain information already incorporated in the Code of Conduct.
 9.3 Have any provisions of the code of ethics been waived for any of the specified officers? Yes No
 9.31 If the response to 9.3 is Yes, provide the nature of any waiver(s).

FINANCIAL

- 10.1 Does the reporting entity report any amounts due from parent, subsidiaries or affiliates on Page 2 of this statement? Yes No
 10.2 If yes, indicate any amounts receivable from parent included in the Page 2 amount: \$ 0

INVESTMENT

- 11.1 Were any of the stocks, bonds, or other assets of the reporting entity loaned, placed under option agreement, or otherwise made available for use by another person? (Exclude securities under securities lending agreements.) Yes No
 11.2 If yes, give full and complete information relating thereto:
 Repurchase agreements, Letter stock or securities restricted as to sale - excluding FHLB Capital Stock, FHLB Capital Stock, On deposit with states, pledged as collateral - excluding collateral pledged to an FHLB and Pledged as collateral to FHLB - including assets backing funding agreements
 12. Amount of real estate and mortgages held in other invested assets in Schedule BA: \$ 1,390,352,187
 13. Amount of real estate and mortgages held in short-term investments: \$
 14.1 Does the reporting entity have any investments in parent, subsidiaries and affiliates? Yes No
 14.2 If yes, please complete the following:
- | | 1 | 2 |
|---|---|--|
| | Prior Year-End
Book/Adjusted
Carrying Value | Current Quarter
Book/Adjusted
Carrying Value |
| 14.21 Bonds | \$ 6,176,512,151 | \$ 6,544,778,291 |
| 14.22 Preferred Stock | \$ | \$ |
| 14.23 Common Stock | \$ 7,503,525,833 | \$ 8,815,791,352 |
| 14.24 Short-Term Investments | \$ | \$ |
| 14.25 Mortgage Loans on Real Estate | \$ | \$ |
| 14.26 All Other | \$ 4,213,299,770 | \$ 3,607,958,220 |
| 14.27 Total Investment in Parent, Subsidiaries and Affiliates (Subtotal Lines 14.21 to 14.26) | \$ 17,893,337,754 | \$ 18,968,527,863 |
| 14.28 Total Investment in Parent included in Lines 14.21 to 14.26 above | \$ | \$ |
- 15.1 Has the reporting entity entered into any hedging transactions reported on Schedule DB? Yes No
 15.2 If yes, has a comprehensive description of the hedging program been made available to the domiciliary state? Yes No
 If no, attach a description with this statement.

STATEMENT AS OF MARCH 31, 2016 OF THE Massachusetts Mutual Life Insurance Company
GENERAL INTERROGATORIES

16. For the reporting entity's security lending program, state the amount of the following as of the current statement date:
- 16.1 Total fair value of reinvested collateral assets reported on Schedule DL, Parts 1 and 2\$
- 16.2 Total book adjusted/carrying value of reinvested collateral assets reported on Schedule DL, Parts 1 and 2\$
- 16.3 Total payable for securities lending reported on the liability page\$

17. Excluding items in Schedule E - Part 3 - Special Deposits, real estate, mortgage loans and investments held physically in the reporting entity's offices, vaults or safety deposit boxes, were all stocks, bonds and other securities, owned throughout the current year held pursuant to a custodial agreement with a qualified bank or trust company in accordance with Section 1, III - General Examination Considerations, F. Outsourcing of Critical Functions, Custodial or Safekeeping Agreements of the NAIC Financial Condition Examiners Handbook? Yes [X] No []
- 17.1 For all agreements that comply with the requirements of the NAIC Financial Condition Examiners Handbook, complete the following:

1 Name of Custodian(s)	2 Custodian Address
Citibank, N.A.	333 West 34th Street, New York, NY 10001
JP Chase Manhattan Bank	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

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

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

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

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

- 17.5 Identify all investment advisors, brokers/dealers or individuals acting on behalf of broker/dealers that have access to the investment accounts, handle securities and have authority to make investments on behalf of the reporting entity:

1 Central Registration Depository	2 Name(s)	3 Address
110363	OFI Institutional Asset Management, Inc.	Two World Financial Center, 225 Liberty Street, New York, NY 10281-1008
106006	Babson Capital Management, LLC	1500 Main Street, Springfield, MA 01115
104517	Franklin Advisers, Inc.	One Franklin Parkway, San Mateo, CA 94403-1906
123711	Tortoise Capital Advisors, L.L.C.	11550 Ash Street, Suite 300, Leawood, KS 66211
104559	PIMCO- Pacific Investment Management Company LLC	840 Newport Center Drive, Suite 100, Newport Beach, CA 92660
107926	Earnest Partners LLC	1180 Peachtree St NE Suite 2300, Atlanta, GA 30309
141037	KA Fund Advisors LLC	811 Main Street, 14th Floor, Houston, TX 77002
162754	IFM Investors Pty Ltd	Level 29 Casselden, 2 Lonsdale Street, Melbourne VIC 3000
185402	Ashmore Investment Management Limited	61 Aldwych, London WC2B 4AE

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

At 3/31/2016, 93 issues for 75 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 \$610,454,773 or 0.75% of all assets.

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	\$ 9,852,401
1.12	Residential Mortgages	\$ 1,833,793,318
1.13	Commercial Mortgages	\$ 20,289,318,453
1.14	Total Mortgages in Good Standing	<u>\$ 22,132,964,172</u>
1.2	Long-Term Mortgages In Good Standing with Restructured Terms	
1.21	Total Mortgages in Good Standing with Restructured Terms	<u>\$</u>
1.3	Long-Term Mortgage Loans Upon which Interest is Overdue more than Three Months	
1.31	Farm Mortgages	\$
1.32	Residential Mortgages	\$
1.33	Commercial Mortgages	\$
1.34	Total Mortgages with Interest Overdue more than Three Months	<u>\$</u>
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)	<u>\$ 22,132,964,172</u>
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	<u>\$</u>
2.	Operating Percentages:	
2.1	A&H loss percent	96.550 %
2.2	A&H cost containment percent	1.300 %
2.3	A&H expense percent excluding cost containment expenses	95.250 %
3.1	Do you act as a custodian for health savings accounts?	Yes [] No [X]
3.2	If yes, please provide the amount of custodial funds held as of the reporting date	\$
3.3	Do you act as an administrator for health savings accounts?	Yes [] No [X]
3.4	If yes, please provide the balance of the funds administered as of the reporting date	\$

STATEMENT AS OF MARCH 31, 2016 OF THE Massachusetts Mutual Life Insurance Company

SCHEDULE S - CEDED REINSURANCE

Showing All New Reinsurance Treaties - Current Year to Date

1 NAIC Company Code	2 ID Number	3 Effective Date	4 Name of Reinsurer	5 Domiciliary Jurisdiction	6 Type of Reinsurance Ceded	7 Type of Reinsurer	8 Certified Reinsurer Rating (1 through 6)	9 Effective Date of Certified Reinsurer Rating
.88340	59-2859797	12/01/2015	Hannover Life Reassurance Co of America (HAS2)	FL	YRTFW/G	Authorized		
.82627	06-0839705	12/01/2015	Swiss Re Life & Health America Inc. (SRS2)	MO	YRTFW/G	Authorized		

STATEMENT AS OF MARCH 31, 2016 OF THE Massachusetts Mutual Life Insurance Company
SCHEDULE T - PREMIUMS AND ANNUITY CONSIDERATIONS

Current Year To Date - Allocated by States and Territories

States, Etc.	1	Life Contracts		Direct Business Only				
		Active Status	Life Insurance Premiums	Annuity Considerations	4 Accident and Health Insurance Premiums, Including Policy, Membership and Other Fees	5 Other Considerations	6 Total Columns 2 Through 5	7 Deposit-Type Contracts
1. Alabama	AL	L	53,296,783	1,283,071	1,490,293	2,261,459	58,331,606	10,067,949
2. Alaska	AK	L	1,999,649	262,967	61,159	1,156,153	3,479,928	334,594
3. Arizona	AZ	L	11,126,060	11,178,850	2,187,839	3,024,770	27,517,519	1,490,441
4. Arkansas	AR	L	21,632,078	406,081	467,528	(1,654)	22,504,033	5,578,820
5. California	CA	L	113,192,981	48,581,047	14,540,807	294,356,960	470,671,795	47,970,576
6. Colorado	CO	L	20,363,525	6,734,873	2,454,721	20,011,072	49,564,191	5,449,882
7. Connecticut	CT	L	33,909,843	18,577,921	4,807,100	27,778,853	85,073,717	9,594,379
8. Delaware	DE	L	8,290,779	4,507,240	373,963	14,882,086	28,054,068	6,135,452
9. District of Columbia	DC	L	4,959,842	1,720,127	1,025,693	10,872,219	18,577,881	732,288
10. Florida	FL	L	106,834,112	27,427,135	7,151,922	67,300,527	208,713,696	78,143,737
11. Georgia	GA	L	37,875,847	15,774,569	5,565,041	158,156,884	217,372,341	14,118,217
12. Hawaii	HI	L	5,095,417	2,785,639	731,086	7,638,888	16,251,030	768,184
13. Idaho	ID	L	4,777,774	1,089,474	307,823	4,188,698	10,363,769	1,417,558
14. Illinois	IL	L	51,945,330	20,244,170	6,333,812	86,066,365	164,589,677	14,707,721
15. Indiana	IN	L	17,927,751	8,371,542	2,150,485	11,061,446	39,511,224	3,549,211
16. Iowa	IA	L	24,926,109	3,282,233	838,964	118,679,180	147,726,486	3,304,642
17. Kansas	KS	L	15,762,881	2,511,595	1,301,932	7,294,625	26,871,033	7,632,703
18. Kentucky	KY	L	7,105,622	2,412,167	1,216,080	123,096,670	133,830,539	17,636,730
19. Louisiana	LA	L	32,372,444	2,897,490	1,387,680	6,940,557	43,598,171	7,845,181
20. Maine	ME	L	5,527,172	1,457,328	514,233	7,975,000	15,473,733	208,084
21. Maryland	MD	L	31,776,005	8,536,193	7,014,679	35,929,895	83,256,772	7,889,315
22. Massachusetts	MA	L	36,472,715	65,968,726	7,433,933	280,001,768	389,877,142	8,938,522
23. Michigan	MI	L	45,007,576	(2,164,964)	3,303,872	37,472,850	83,619,334	12,553,484
24. Minnesota	MN	L	20,495,240	11,294,138	1,988,413	68,008,735	101,786,526	16,118,971
25. Mississippi	MS	L	7,454,559	4,992,647	2,485,553	3,681,071	18,613,830	2,115,361
26. Missouri	MO	L	22,833,986	11,534,323	2,594,003	62,165,738	99,128,050	10,469,417
27. Montana	MT	L	2,439,613	1,002,043	257,792	325,496	4,024,944	2,772,272
28. Nebraska	NE	L	9,729,889	3,388,860	1,483,966	98,702,809	113,305,524	5,664,820
29. Nevada	NV	L	7,645,610	3,063,909	781,939	14,778,819	26,270,277	968,596
30. New Hampshire	NH	L	6,445,904	3,891,657	987,165	3,574,413	14,899,139	3,785,755
31. New Jersey	NJ	L	78,119,501	19,627,700	9,115,573	106,315,054	213,177,828	25,608,570
32. New Mexico	NM	L	10,226,765	1,236,770	479,250	94,086	12,036,871	850,438
33. New York	NY	L	211,090,677	117,677,519	19,790,201	156,604,569	505,162,966	20,817,714
34. North Carolina	NC	L	43,541,390	14,370,634	6,516,817	15,280,251	79,709,092	32,054,022
35. North Dakota	ND	L	3,075,695	2,162,672	134,955	(18,997,185)	(13,623,863)	7,618,779
36. Ohio	OH	L	32,987,139	22,673,314	3,860,105	47,938,295	107,458,853	8,462,526
37. Oklahoma	OK	L	16,620,070	3,723,212	1,921,165	12,994,801	35,259,248	5,511,389
38. Oregon	OR	L	4,747,945	2,929,419	1,104,981	8,514,089	17,296,434	3,761,015
39. Pennsylvania	PA	L	54,621,808	30,383,774	9,575,344	85,544,328	180,125,254	3,606,559
40. Rhode Island	RI	L	3,695,792	3,654,400	702,598	7,526,611	15,579,401	535,454
41. South Carolina	SC	L	16,704,995	6,130,830	3,379,849	2,893,943	29,109,617	4,675,020
42. South Dakota	SD	L	2,103,955	956,659	159,559	351,252	3,571,425	1,599,818
43. Tennessee	TN	L	22,653,454	14,415,497	3,934,346	35,995,011	76,998,308	10,256,355
44. Texas	TX	L	90,249,585	32,259,151	11,508,120	66,805,749	200,822,605	47,510,655
45. Utah	UT	L	8,621,692	4,415,003	905,535	3,896,564	17,838,794	6,079,959
46. Vermont	VT	L	1,988,431	1,059,398	344,878	1,680,126	5,072,833	190,759
47. Virginia	VA	L	50,977,488	28,527,588	7,818,452	55,555,515	142,879,043	25,180,849
48. Washington	WA	L	64,404,518	6,284,593	2,311,788	14,856,936	87,857,835	1,366,435
49. West Virginia	WV	L	2,748,916	2,446,874	376,780	10,620,878	16,193,448	5,803,949
50. Wisconsin	WI	L	20,458,173	7,978,004	1,422,291	20,021,183	49,879,651	438,604
51. Wyoming	WY	L	2,552,573	101,437	152,581	357,325	3,163,916	103,237
52. American Samoa	AS	N						
53. Guam	GU	N			1,576		1,576	
54. Puerto Rico	PR	L	11,881,427	1,543,319	1,995,289	751,929	16,171,964	341,382
55. U.S. Virgin Islands	VI	N	2,580		13,488		16,068	
56. Northern Mariana Islands	MP	N						
57. Canada	CAN	N	365,850		18,471	1,254	385,575	62,642
58. Aggregate Other Aliens	OT	XXX	4,025,804	825	113,029	15,840,000	19,979,658	
59. Subtotal	(a)	.52	1,527,689,319	617,571,643	170,896,497	2,228,824,917	4,544,982,376	520,198,992
90. Reporting entity contributions for employee benefits plans		XXX						
91. Dividends or refunds applied to purchase paid-up additions and annuities		XXX	302,286,221	787,467			303,073,688	
92. Dividends or refunds applied to shorten endowment or premium paying period		XXX						
93. Premium or annuity considerations waived under disability or other contract provisions		XXX	6,384,563		2,939,792		9,324,355	
94. Aggregate or other amounts not allocable by State		XXX						
95. Totals (Direct Business)		XXX	1,836,360,103	618,359,110	173,836,289	2,228,824,917	4,857,380,419	520,198,992
96. Plus Reinsurance Assumed		XXX	14,709,454	171,525		384,080,028	398,961,007	557,815,865
97. Totals (All Business)		XXX	1,851,069,557	618,530,635	173,836,289	2,612,904,945	5,256,341,426	1,078,014,857
98. Less Reinsurance Ceded		XXX	206,648,270		31,679,875		238,328,145	
99. Totals (All Business) less Reinsurance Ceded		XXX	1,644,421,287	618,530,635	142,156,414	2,612,904,945	5,018,013,281	1,078,014,857
DETAILS OF WRITE-INS								
58001. ZZZ Other Alien		XXX	4,025,804	825	113,029	15,840,000	19,979,658	
58002.		XXX						
58003.		XXX						
58998. Summary of remaining write-ins for Line 58 from overflow page		XXX						
58999. Totals (Lines 58001 through 58003 plus 58998)(Line 58 above)		XXX	4,025,804	825	113,029	15,840,000	19,979,658	
9401.		XXX						
9402.		XXX						
9403.		XXX						
9498. Summary of remaining write-ins for Line 94 from overflow page		XXX						
9499. Totals (Lines 9401 through 9403 plus 9498)(Line 94 above)		XXX						

(L) Licensed or Chartered - Licensed Insurance Carrier or Domiciled RRG; (R) Registered - Non-domiciled RRGs; (Q) Qualified - Qualified or Accredited Reinsurer; (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.

(a) Insert the number of L responses except for Canada and Other Alien.

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

PART 1 – ORGANIZATIONAL CHART

	<u>Federal Tax ID</u>	<u>NAIC Co Code</u>	<u>State of Domicile</u>
MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY	04-1590850	65935	Massachusetts
Direct & Indirect Owned Subsidiaries:			
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 Re Finance 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
Fern Street LLC	37-1732913		Delaware
MassMutual Retirement Services, 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
MMC Equipment Finance LLC	04-1590850		Delaware
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
Pioneers Gate LLC	45-2738137		Delaware
MSC Holding Company, LLC	45-4376777		Delaware
MassMutual Holding MSC, Inc.	04-3341767		Massachusetts
MassMutual Holding LLC	04-2854319		Delaware
MassMutual Assignment Company	06-1597528		North Carolina
MassMutual Capital Partners LLC	04-1590850		Delaware
MassMutual Ventures LLC	47-1296410		Delaware
MM Rothesay Holdco US LLC	04-1590850		Delaware
MML Investors Services, LLC	04-1590850		Massachusetts

*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>	<u>NAIC Co Code</u>	<u>State of Domicile</u>
MML Insurance Agency, LLC	04-1590850		Massachusetts
MMLISI Financial Alliances, LLC	41-2011634		Delaware
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
MM Asset Management Holding LLC	45-4000072		Delaware
Babson Capital Management LLC	51-0504477		Delaware
Babson Capital Finance LLC	80-0875475		Delaware
BCF Europe Funding Limited	None		Ireland
BCF Senior Funding I LLC	None		Delaware
Babson Capital Securities LLC	04-3238351		Delaware
Babson Capital Guernsey Limited	98-0437588		Guernsey
Babson Capital Management (UK) Limited	98-0432153		United Kingdom
Babson 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
Babson Capital Global Advisors Limited	98-1012393		United Kingdom
BCGSS 2 GP LLP	None		United Kingdom
Babson European Direct Lending 1 GP LLP	None		United Kingdom
Babson Capital Management (Japan) KK	None		Japan
Cornerstone Real Estate Advisers LLC	55-0878489		Delaware
Cornerstone Real Estate Advisers Inc.	04-3238351		California
Cornerstone Real Estate Advisers Japan K.K.	None		Japan
Cornerstone Real Estate UK Holdings Limited	None		Delaware
CREAE AIFM LLP	None		United Kingdom
Cornerstone Real Estate Advisers (Continental Europe) Limited	98-0654401		United Kingdom
Cornerstone Real Estate Advisers Europe LLP	98-0654388		United Kingdom
Cornerstone Real Estate Advisers Europe Finance LLP	98-0654412		United Kingdom
Cornerstone Real Estate Advisers GmbH	98-1194368		Germany
Babson Capital Management (Australia) Holding Company Pty Ltd.	None		Australia
Babson Capital Management (Australia) Pty Ltd.	98-0457456		Australia

*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>	<u>NAIC Co Code</u>	<u>State of Domicile</u>
Babson Capital Cornerstone Asia Limited	None		Hong Kong, Special Administrative Region of China
Wood Creek Capital Management LLC	04-1590850		Delaware
Wood Creek Index Company, LLC	26-3115362		Delaware
Milestone Acquisition Holding, LLC.	47-3055009		Delaware
Alchemy Copyrights, LLC.	47-2642354		Delaware
Red Lake Ventures, LLC	46-5460309		Delaware
Teaktree Acquisition, LLC	None		Delaware
U.S. Buyer Broadcasting, LLC	47-1855920		Delaware
Tamiami Citrus, LLC	None		Delaware
Solar Acquisition Holding, LLC	None		Delaware
U.S. Pharmaceuticals Holdings II, LLC	47-5436800		Delaware
Sweet Tree Holdings 1, LLC	46-3123110		Delaware
VGS Acquisition Holding, LLC	None		Delaware
U.S. WIG Holdings, LP	46-1500495		Delaware
WC Aircraft Holdings US II, LLC	46-3378584		Delaware
Wood Creek Aircraft Holding I, LP	None		Cayman Islands
Babson Capital Floating Rate Income Fund Management, LLC	04-1590850		Delaware
Babson Capital Core Fixed Income Management LLC	27-3523916		Delaware
Babson Capital Total Return Management LLC	27-3524203		Delaware
Babson CLO Investment Partners GP, LLC	None		Delaware
Babson Global Loan Feeder Management, LLC	None		Delaware
Babson TERO Management LLC	None		Delaware
Babson Investment Grade CLO Debt Management LLC	None		Delaware
Benton Street Advisors, Inc.	98-0536233		Cayman Islands
SDCOS Management LLC	04-1590850		Delaware
Great Lakes III GP, LLC	04-1590850		Delaware
Loan Strategies Management LLC	04-1590850		Delaware
Mezzco LLC	04-1590850		Delaware
Mezzco II LLC	02-0767001		Delaware
Mezzco III LLC	41-2280126		Delaware
Mezzco IV LLC	80-0920285		Delaware
Mezzco Australia LLC	90-0666326		Delaware
Mezzco Australia II 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

*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>	<u>NAIC Co Code</u>	<u>State of Domicile</u>
OFI Global Trust Company	13-3459790		New York
HarbourView Asset Management Corporation	22-2697140		New York
Trinity Investment Management Corporation	25-1951632		Pennsylvania
OFI SteelPath, Inc.	84-1128397		Delaware
Shareholder Services, Inc.	84-1066811		Colorado
VTL Associates, LLC	None		Pennsylvania
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, Inc.	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 Baring Holding LLC	04-1590850		Delaware
Baring North America LLC	98-0241935		Massachusetts
MassMutual Holdings (Bermuda) Limited	None		Bermuda
Baring Asset Management Limited	98-0241935		United Kingdom
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 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 Asset Management (Japan) Limited	98-0236449		Japan
Baring Asset Management (Australia) Pty Limited	98-0457456		Australia
Baring International Fund Managers (Ireland) Limited	98-0524272		Ireland
Baring Asset Management Switzerland Sàrl	None		Switzerland
Baring SICE (Taiwan) Limited	98-0457707		Taiwan ROC
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
Baring Investments (UK) Limited	None		United Kingdom
First Mercantile Trust Company	62-0951563		Tennessee
Haven Life Insurance Agency, LLC	46-2252944		Delaware
MML Management Corporation	04-2443240		Massachusetts
MassMutual International Holding MSC, Inc.	04-3548444		Massachusetts

*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>	<u>NAIC Co Code</u>	<u>State of Domicile</u>
Society of Grownups, LLC	47-1466022		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
MML Re Finance LLC	04-1590850		Delaware
Other Affiliates & Funds:			
Invicta Advisors LLC	56-2574604		Delaware
Jefferies Finance LLC*	27-0105644		Delaware
MML Private Equity Fund Investor LLC	04-1590850		Delaware
MM Private Equity Intercontinental LLC	04-1590850		Delaware
100 w. 3 rd Street LLC	04-1590850		Delaware
300 South Tryon Hotel LLC	04-1590850		Delaware
300 South Tryon LLC	04-1590850		Delaware
54 West Capital LLC	20-3887968		Delaware
Alexandria Towers Investors LLC	16-1720387		Delaware
Almack Mezzanine Fund I LP*	None		United Kingdom
Almack Mezzanine Fund II Unleveraged LP	None		United Kingdom
Almack Mezzanine Fund III LP*	None		United Kingdom
Babson Capital Emerging Markets Corporate Bond Fund	None		Ireland
Babson Capital Emerging Markets Local Debt Fund	None		Ireland
Babson Capital European High Yield Bond Fund	None		Ireland
Babson Capital Global Special Situations Credit Fund 1	None		Ireland
Babson Capital Global Special Situation Credit Fund 2*	98-1206017		Delaware
Babson Capital High Yield LLC*	55-0886109		Delaware
Babson Capital Loan Strategies Fund, L.P.*	37-1506417		Delaware
Babson CLO Ltd. 2007-I	None		Cayman Islands
Babson CLO Ltd. 2011-I	None		Cayman Islands
Babson CLO Ltd. 2012-I	None		Cayman Islands
Babson CLO Ltd. 2012-II	None		Cayman Islands
Babson CLO Ltd. 2013-I	None		Cayman Islands
Babson CLO Ltd. 2013-II	98-1128827		Cayman Islands
Babson CLO Ltd. 2014-I	None		Cayman Islands
Babson CLO Ltd. 2014-II	None		Cayman Islands
Babson CLO Ltd. 2014-III	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 Euro CLO 2014-I BV	None		Netherlands
Babson Euro CLO 2014-II BV	None		Netherlands
Babson Euro CLO 2015-I BV	None		Netherlands
Babson Capital Global Credit Fund (Lux) SCSp, SIACV-SIF	None		Luxembourg

*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>	<u>NAIC Co Code</u>	<u>State of Domicile</u>
Babson Investment Grade CLO Debt Fund LP	47-3971963		Delaware
Babson Mezzanine Realty Investors I*	20-4570515		Delaware
Babson Mezzanine Realty Investors II	24-1446970		Delaware
Baring Emerging Market Corp Debt Fund	None		Ireland
Baring Focused EAFE Equity Fund	11-3789446		Delaware
Baring Global Dynamic Asset Allocation Fund	30-0607379		Delaware
Baring International Small Cap Equity Fund	26-4142796		Delaware
Benton Street Partners I, L.P.*	98-0536233		Cayman Islands
Benton Street Partners II, L.P.*	98-0536199		Cayman Islands
Connecticut Valley Structured Credit CDO II, Ltd.	None		Cayman Islands
Connecticut Valley Structured Credit CDO III, Ltd.	None		Cayman Islands
Cambridge Hotel, LLC	06-1614196		Delaware
Cheyenne Mountain Resort LLC	04-1590850		Delaware
Cornerstone Core Fund SCSCp	None		Luxembourg
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
Cornerstone Hotel Income and Equity Fund II LP	26-1828760		Delaware
Cornerstone/LAZ Parking Fund LP	46-5437441		Delaware
Cornerstone Partners IV LLC	71-0908077		Delaware
Cornerstone Patriot Fund LP	20-5578089		Delaware
Cornerstone Real Estate Fund VIII LP	27-0547156		Delaware
Cornerstone Real Estate Fund X LP	46-5432619		Delaware
Duchess VI CLO B.V.	None		United Kingdom
Duchess VII CLO B.V.	None		United Kingdom
E-Wise Land Venture LLC	20-3887968		Delaware
Gateway Mezzanine Partners I, L.P.*	80-0691253		Delaware
Gateway Mezzanine Partners II LP*	90-0991195		Delaware
Great Lakes III, L.P.	37-1708623		Delaware
Kazwell Realty Partners LLC	20-3887968		Delaware
King Alexander LLC	45-3754085		Delaware
Marco Hotel LLC	46-4255307		Delaware
MMI/BDI Riverside Mt. Vernon LLC	26-2704765		Delaware
MML O'Hare Hotel LLC	26-3799762		Delaware
Oakley Grove Development LLC	20-3887968		Delaware
Old Pasco Properties LLC	20-3887968		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

*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>	<u>NAIC Co Code</u>	<u>State of Domicile</u>
Sapphire Valley CDO I, Ltd.	None		Cayman Islands
SDCOS L.P.	74-3182902		Delaware
Seattle 1415 Hotel Owner LLC	46-5491311		Delaware
Sedona TFMP Land LLC	04-1590850		Delaware
Somerset Special Opportunities Fund L.P.*	20-8856877		Delaware
South Myrtle Monrovia MM LLC	04-1590850		Delaware
South Pasco Properties LLC	20-3887968		Delaware
Tower Square Capital Partners, L.P.*	04-3722906		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
Whately CDO, Ltd.	None		Cayman Islands
Wood Creek Multi Asset Fund, L.P.	20-4981369		Delaware
Babson Affiliates & Funds:			
Babson Capital Emerging Markets Debt Blended Total Return Fund	None		Ireland
Babson Capital Emerging Markets Debt Short Duration Fund	None		Ireland
Babson Capital Emerging Markets Sovereign Debt Fund	None		Ireland
Babson Capital Floating Rate Income Fund, L.P.	27-3330830		Delaware
Babson Capital Global Investment Funds plc	None		Ireland
Babson Capital Global Investment Fund 2 plc	None		Ireland
Babson Capital Global Investment Grade Corporate Plus Fund	None		Ireland
Babson Capital Loan Strategies Master Fund LP	None		Cayman Islands
Babson Capital Senior CLO Debt Fund	None		Ireland
Babson Emerging Markets Debt Blended Total Return Fund	47-3758432		Massachusetts
Babson Emerging Markets Local Currency Debt Fund	47-3774453		Massachusetts
Babson Global High Yield Bond Fund	47-3790192		Massachusetts
Babson Global Income Opportunities Credit Fund	46-3119764		Massachusetts
Babson Total Return Bond Fund	47-3734770		Massachusetts
Babson US High Yield Fund	47-3801860		Massachusetts
Gateway Mezzanine Partners I Trust	None		Australia
Great Lakes II LLC*	71-1018134		Delaware
Great Lakes LLC*	56-2505390		Delaware
Intermodal Holding II LLC	46-2344300		Delaware
Somerset Special Opportunities Master Fund LP	None		Cayman Islands
Wood Creek Venture Fund LLC	04-1590850		Delaware
Baring Affiliates & Funds:			
Baring Greater China Equity Fund	None		Hong Kong

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

PART 1 – ORGANIZATIONAL CHART

	<u>Federal Tax ID</u>	<u>NAIC Co Code</u>	<u>State of Domicile</u>
Cornerstone Affiliates & Funds:			
12-18 West 55th Street Predevelopment, LLC*	20-2548283		Delaware
50 Liberty LLC*	36-4823011		Delaware
One Harbor Shore LLC*	80-0948028		Delaware
2 Harbor Shore Member LLC*	46-4803557		Delaware
21 West 86 LLC*	45-5257904		Delaware
AT Mid-Atlantic Office Portfolio LLC*	45-2779931		Delaware
CHC/RFP VI Core LLC	04-1590850		Delaware
Cornerstone Fort Pierce Development LLC*	56-2630592		Delaware
Cornerstone Permanent Mortgage Fund	45-2632610		Delaware
CREA 330 Third LLC*	46-5001122		Delaware
CREA FMF Nashville LLC	46-4367364		Delaware
CREA/LYON West Gateway, LLC*	26-2399532		Delaware
CREA Madison Member LLC	81-0890084		Delaware
CREA/PPC Venture LLC*	20-0348173		Delaware
Fallon Cornerstone One MPD LLC*	26-1611591		Delaware
Farringdon London Holdings LLC*	46-3880526		Delaware
Fan Pier Development LLC*	20-3347091		Delaware
Infinity SCD Ltd.	None		United Kingdom
Johnston Groves LLC	20-4819358		Delaware
MMI/Hines Harrison LLC*	46-5347643		Delaware
MM Woodfield Martingale LLC*	46-4077059		Delaware
Salomon Brothers Commercial Mortgage Trust 2001-MM	None		Delaware
Sawgrass Village Shopping Center LLC*	27-2977720		Delaware
Ten Fan Pier Boulevard LLC*	None		Delaware
Twenty Two Liberty LLC*	35-2484550		Massachusetts
UK LIW Manager LLC	45-4606547		Delaware
UK LIW Member LLC	45-4606547		Delaware
Washington Gateway Apartments Venture LLC*	45-5401109		Delaware
Waterford Development Associates	20-2970495		Delaware
Waterloo London Holdings LLC	47-1993493		Delaware
WeHo Domain LLC*	46-3122029		Delaware
Willowood Lakeside Master LLC	81-1552222		Delaware
Ygnatio Valley Funding	20-5481477		Delaware
MassMutual Premier Funds:			
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

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

PART 1 – ORGANIZATIONAL CHART

	<u>Federal Tax ID</u>	<u>NAIC Co Code</u>	<u>State of Domicile</u>
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
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
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:			
Oppenheimer Global High Yield Fund	45-3417590		Delaware
Oppenheimer Global Multi-Asset Growth Fund	47-3676235		Delaware
Oppenheimer Global Multi-Asset Income Fund	47-1714929		Delaware
Oppenheimer Global Real Estate Fund*	46-1604428		Delaware
Oppenheimer Real Estate Fund	22-3849391		Massachusetts
Oppenheimer Small Cap Value Fund	47-4835759		Delaware
Oppenheimer SteelPath Panoramic Fund	47-3987967		Delaware

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STATEMENT AS OF MARCH 31, 2016 OF THE Massachusetts Mutual Life Insurance Company

SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domiciliary Location	Relationship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Ownership Provide Percentage	Ultimate Controlling Entity(ies)/Person(s)	*
0435	Massachusetts Mut Life Ins Co	65935	04-1590850	3848388	0000225602		Massachusetts Mutual Life Insurance Company (MMLIC)	MA	RE	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
0435	CM Life Ins Co	93432	06-1041383				C.M. Life Insurance Company	CT	DS	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
0435	MML Baystate Life Ins Co	70416	43-0581430		0000924777		MML Bay State Life Insurance Company	CT	DS	C.M. Life Insurance Company	Ownership	100.000	MMLIC	
0000			06-1041383				CML Mezzanine Investor, LLC	DE	DS	C.M. Life Insurance Company	Ownership	100.000	MMLIC	
0000			06-1041383				CML Mezzanine Investor L, LLC	DE	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	100.000	MMLIC	
0000			06-1041383				CML Re Finance LLC	DE	DS	C.M. Life Insurance Company	Ownership	100.000	MMLIC	
0000							CML Special Situations Investor LLC	DE	DS	C.M. Life Insurance Company	Ownership	100.000	MMLIC	
0000			04-1590850				MML Mezzanine Investor L, LLC	DE	DS	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
0000							MML Special Situations Investor LLC	DE	DS	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
0000			47-5322979				Timberland Forest Holding LLC	DE	DS	Massachusetts Mutual Life Insurance Company	Ownership	95.000	MMLIC	
0000			47-5322979				Timberland Forest Holding LLC	DE	DS	C.M. Life Insurance Company	Ownership	5.000	MMLIC	
0000			47-5322979				Timberland Forest Holding LLC	DE	DS	Wood Creek Capital Management LLC	Management		MMLIC	
0000							Lyme Adirondack Forest Company, LLC	DE	DS	Timberland Forest Holding LLC	Ownership	100.000	MMLIC	
0000			20-5305426				Lyme Adirondack Timber Sales, Inc.	NY	DS	Timberland Forest Holding LLC	Ownership	100.000	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	
0000			04-1590850				Berkshire Way LLC	DE	DS	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
0000			26-4441097				WP-SC, LLC	DE	DS	Massachusetts Mutual Life Insurance Company	Ownership	81.400	MMLIC	
0000			26-4441097				WP-SC, LLC	DE	DS	C.M. Life Insurance Company	Ownership	18.600	MMLIC	
0000			04-1590850				MSP-SC, LLC	DE	DS	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
0000			27-1435692				Country Club Office Plaza LLC	DE	DS	Massachusetts Mutual Life Insurance Company	Ownership	88.100	MMLIC	
0000			27-1435692				Country Club Office Plaza LLC	DE	DS	C.M. Life Insurance Company	Ownership	11.900	MMLIC	
0000			37-1732913				Fern Street LLC	DE	DS	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
0000			04-1590850				MassMutual Retirement Services, LLC	DE	DS	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
0000			04-3356880		0000943903		MML Distributors LLC	MA	DS	Massachusetts Mutual Life Insurance Company	Ownership	99.000	MMLIC	
0000			04-3356880		0000943903		MML Distributors LLC	MA	DS	MassMutual Holding LLC	Ownership	1.000	MMLIC	
0000							MML Investment Advisers, LLC	DE	DS	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
0000			04-1590850				MML Mezzanine Investor, LLC	DE	DS	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
0000			46-3238013				MML Strategic Distributors, LLC	DE	DS	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
0000			06-1563535	2881445	0001103653		The MassMutual Trust Company, FSB	CT	DS	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
0000			04-1590850				MMC Equipment Finance LLC	DE	DS	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
0000			26-0073611				MassMutual Asset Finance LLC	DE	DS	MMC Equipment Finance LLC	Ownership	99.600	MMLIC	
0000			26-0073611				MassMutual Asset Finance LLC	DE	DS	C.M. Life Insurance Company	Ownership	0.400	MMLIC	

STATEMENT AS OF MARCH 31, 2016 OF THE Massachusetts Mutual Life Insurance Company

SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domiciliary Location	Relationship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Ownership Provide Percentage	Ultimate Controlling Entity(ies)/Person(s)	*
.0000			27-1379258				MMAF Equipment Finance LLC 2009-A	.DE	DS	MassMutual Asset Finance LLC	Ownership	100.000	MMLIC	
.0000			45-2589019				MMAF Equipment Finance LLC 2011-A	.DE	DS	MassMutual Asset Finance LLC	Ownership	100.000	MMLIC	
.0000			04-1590850				MML Private Placement Investment Company I, LLC	.DE	DS	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			45-2738137				Pioneers Gate LLC	.DE	DS	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			45-4376777				MSC Holding Company, LLC	.DE	DS	Company	Ownership	100.000	MMLIC	
.0000			04-3341767				MassMutual Holding MSC, Inc.	.MA	DS	MSC Holding Company, LLC	Ownership	100.000	MMLIC	
.0000			04-2854319	2392316			MassMutual Holding LLC	.DE	DS	Company	Ownership	100.000	MMLIC	
.0000			06-1597528				MassMutual Assignment Company	.NC	DS	MassMutual Holding LLC	Ownership	100.000	MMLIC	
.0000			04-1590850		0001399869		MassMutual Capital Partners LLC	.DE	DS	MassMutual Holding LLC	Ownership	100.000	MMLIC	
.0000			47-1296410				MassMutual Ventures LLC	.DE	DS	MassMutual Holding LLC	Ownership	100.000	MMLIC	
.0000			04-1590850				MM Rotheras Holdco US LLC	.DE	DS	MassMutual Holding LLC	Ownership	100.000	MMLIC	
.0000			04-1590850		0000701059		MML Investors Services, LLC	.MA	DS	MassMutual Holding LLC	Ownership	100.000	MMLIC	
.0000			04-1590850				MML Insurance Agency, LLC	.MA	DS	MML Investors Services, LLC	Ownership	100.000	MMLIC	
.0000			41-2011634		0001456663		MML ISI Financial Alliances, LLC	.DE	DS	MML Investors Services, LLC	Ownership	51.000	MMLIC	
.0000			04-3313782				MassMutual International LLC	.DE	DS	MassMutual Holding LLC	Ownership	100.000	MMLIC	
.0000							MassMutual Asia Limited	.HKG	DS	MassMutual International LLC	Ownership	100.000	MMLIC	
.0000							MassMutual Asia Investors Ltd.	.HKG	DS	MassMutual Asia Limited	Ownership	100.000	MMLIC	
.0000							MassMutual Guardian Limited	.HKG	DS	MassMutual Asia Limited	Ownership	100.000	MMLIC	
.0000							MassMutual Insurance Consultants Limited	.HKG	DS	MassMutual Asia Limited	Ownership	100.000	MMLIC	
.0000							MassMutual Services Limited	.HKG	DS	MassMutual Asia Limited	Ownership	100.000	MMLIC	
.0000							MassMutual Trustees Limited	.HKG	DS	MassMutual Asia Limited	Ownership	80.000	MMLIC	
.0000							Protective Capital (International) Limited							
.0000			98-0610331				MassMutual Asia Limited	.HKG	DS	MassMutual Asia Limited	Ownership	100.000	MMLIC	
.0000							MassMutual Life Insurance Company	.JPN	DS	MassMutual International LLC	Ownership	100.000	MMLIC	
.0000			98-1033127				MassMutual Internacional (Chile) SpA	.CHL	DS	MassMutual International LLC	Ownership	100.000	MMLIC	
.0000			45-4000072				MM Asset Management Holding LLC	.DE	DS	MassMutual Holding LLC	Ownership	100.000	MMLIC	
.0000			51-0504477		0000009015		Babson Capital Management LLC	.DE	DS	MassMutual Asset Management Holding LLC	Ownership	100.000	MMLIC	
.0000			80-0875475				Babson Capital Finance LLC	.DE	DS	Babson Capital Management LLC	Ownership	100.000	MMLIC	
.0000							BCF Europe Funding Limited	.JRL	DS	Babson Capital Finance LLC	Ownership	100.000	MMLIC	
.0000							BCF Senior Funding I LLC	.DE	DS	Babson Capital Finance LLC	Ownership	100.000	MMLIC	
.0000			04-3238351		0000930012		Babson Capital Securities LLC	.DE	DS	Babson Capital Management LLC	Ownership	100.000	MMLIC	
.0000			98-0437588				Babson Capital Guernsey Limited	.GGY	DS	Babson Capital Management LLC	Ownership	100.000	MMLIC	
.0000			98-0432153				Babson Capital Management (UK) Limited	.GBR	DS	Babson Capital Guernsey Limited	Ownership	100.000	MMLIC	
.0000							Babson GPC GP S.à.r.l	.LUX	DS	Babson Capital Europe Limited	Ownership	100.000	MMLIC	
.0000							Almack Mezzanine GP III Limited	.GBR	DS	Babson Capital Europe Limited	Ownership	100.000	MMLIC	
.0000							Almack Holding Partnership GP Limited	.GBR	DS	Babson Capital Europe Limited	Ownership	100.000	MMLIC	
.0000							Almack Mezzanine Fund Limited	.GBR	DS	Babson Capital Europe Limited	Ownership	100.000	MMLIC	
.0000							Almack Mezzanine Fund II Limited	.GBR	DS	Babson Capital Europe Limited	Ownership	100.000	MMLIC	
.0000			98-1012393				Babson Capital Global Advisors Limited	.GBR	DS	Babson Capital Europe Limited	Ownership	100.000	MMLIC	
.0000							BCGSS 2 GP LLP	.LUX	DS	Babson Capital Europe Limited	Ownership	100.000	MMLIC	
.0000							Babson European Direct Lending 1 GP LLP	.GBR	DS	Babson Capital Europe Limited	Ownership	100.000	MMLIC	
.0000							Babson Capital Management (Japan) KK	.JPN	DS	Babson Capital Management LLC	Ownership	100.000	MMLIC	
.0000			55-0878489	3456895	0001379495		Cornerstone Real Estate Advisers LLC	.DE	DS	Babson Capital Management LLC	Ownership	100.000	MMLIC	
.0000			04-3238351	3456895	0001011148		Cornerstone Real Estate Advisers Inc.	.CA	DS	Cornerstone Real Estate Advisers LLC	Ownership	100.000	MMLIC	
.0000							Cornerstone Real Estate Advisers Japan K.K.	.JPN	DS	Cornerstone Real Estate Advisers LLC	Ownership	100.000	MMLIC	

STATEMENT AS OF MARCH 31, 2016 OF THE Massachusetts Mutual Life Insurance Company

SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domiciliary Location	Relationship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Ownership Provide Percentage	Ultimate Controlling Entity(ies)/Person(s)	*
.0000							Cornerstone Real Estate UK Holdings Limited	.DE	DS	Cornerstone Real Estate Advisers LLC	Ownership	100.000	MMLIC	
.0000							CREAE AIFM LLP	.GBR	DS	Cornerstone Real Estate Advisers LLC	Ownership	100.000	MMLIC	
.0000			98-0654401				Cornerstone Real Estate Advisers (Continental Europe) Limited	.GBR	DS	Cornerstone Real Estate UK Holdings Limited	Ownership	100.000	MMLIC	
.0000			98-0654388				Cornerstone Real Estate Advisers Europe LLP	.GBR	DS	Cornerstone Real Estate UK Holdings Limited	Ownership	100.000	MMLIC	
.0000			98-0654412				Cornerstone Real Estate Advisers Europe Finance LLP	.GBR	DS	Cornerstone Real Estate UK Holdings Limited	Ownership	100.000	MMLIC	
.0000			98-1194368				Cornerstone Real Estate Advisers GmbH	.DEU	DS	Cornerstone Real Estate UK Holdings Limited	Ownership	100.000	MMLIC	
.0000							Babson Capital Management (Australia) Holding Company Pty Ltd.	.AUS	DS	Babson Capital Management LLC	Ownership	100.000	MMLIC	
.0000			98-0457456				Babson Capital Management (Australia) Pty Ltd.	.AUS	DS	Babson Capital Australia Holding Company Pty Ltd.	Ownership	100.000	MMLIC	
.0000							Babson Capital Cornerstone Asia Limited	.HKG	DS	Babson Capital Management LLC	Ownership	100.000	MMLIC	
.0000			04-1590850				Wood Creek Capital Management LLC	.DE	DS	Babson Capital Management LLC	Ownership	100.000	MMLIC	
.0000			26-3115362				Wood Creek Index Company, LLC	.DE	DS	Wood Creek Capital Management LLC	Ownership	100.000	MMLIC	
.0000			47-2642354				Alchemy Copyrights, LLC.	.DE	NIA	MassMutual Holding LLC	Ownership	15.200	MMLIC	
.0000			47-2642354				Alchemy Copyrights, LLC.	.DE	NIA	Wood Creek Capital Management LLC	Influence		MMLIC	
.0000			47-3055009				Milestone Acquisition Holding, LLC.	.DE	NIA	MassMutual Holding LLC	Ownership	18.300	MMLIC	
.0000			47-3055009				Milestone Acquisition Holding, LLC.	.DE	NIA	Wood Creek Capital Management LLC	Influence		MMLIC	
.0000			46-5460309				Red Lake Ventures, LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	31.500	MMLIC	
.0000			46-5460309				Red Lake Ventures, LLC	.DE	NIA	Wood Creek Capital Management LLC	Influence		MMLIC	
.0000			46-3123110				Sweet Tree Holdings 1, LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	16.100	MMLIC	
.0000			46-3123110				Sweet Tree Holdings 1, LLC	.DE	NIA	Wood Creek Capital Management LLC	Influence		MMLIC	
.0000							Tamiami Citurus, LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	15.700	MMLIC	
.0000							Teaktree Acquisition, LLC	.DE	NIA	MassMutual Holding LLC	Ownership	14.700	MMLIC	
.0000							Teaktree Acquisition, LLC	.DE	NIA	Wood Creek Capital Management LLC	Influence		MMLIC	
.0000							U.S. Buyer Broadcasting, LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	12.700	MMLIC	
.0000							U.S. Buyer Broadcasting, LLC	.DE	NIA	Wood Creek Capital Management LLC	Influence		MMLIC	
.0000			46-1500495				U.S. WIG Holdings, LP	.DE	NIA	MassMutual Holding LLC	Ownership	11.700	MMLIC	
.0000			46-1500495				U.S. WIG Holdings, LP	.DE	NIA	Wood Creek Capital Management LLC	Influence		MMLIC	
.0000			20-2970495				US Pharmaceutical Holdings II, LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	32.600	MMLIC	
.0000			20-2970495				US Pharmaceutical Holdings II, LLC	.DE	NIA	Wood Creek Capital Management LLC	Influence		MMLIC	
.0000							Solar Acquisition Holding, LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	39.200	MMLIC	
.0000							Solar Acquisition Holding, LLC	.DE	NIA	Wood Creek Capital Management LLC	Management		MMLIC	
.0000							VGS Acquisition Holding, LLC	.DE	NIA	MassMutual Holding LLC	Ownership	42.600	MMLIC	
.0000							VGS Acquisition Holding, LLC	.DE	NIA	Wood Creek Capital Management LLC	Management		MMLIC	
.0000			46-3378584				WC Aircraft Holdings US II, LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	17.900	MMLIC	
.0000			46-3378584				WC Aircraft Holdings US II, LLC	.DE	NIA	Wood Creek Capital Management LLC	Management		MMLIC	
.0000							Wood Creek Aircraft Holding I, LP	.CYM	NIA	Massachusetts Mutual Life Insurance Company	Ownership	12.100	MMLIC	
.0000							Wood Creek Aircraft Holding I, LP	.CYM	NIA	Wood Creek Capital Management LLC	Management		MMLIC	

STATEMENT AS OF MARCH 31, 2016 OF THE Massachusetts Mutual Life Insurance Company

SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domiciliary Location	Relationship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Ownership Provide Percentage	Ultimate Controlling Entity(ies)/Person(s)	*
.....0000			04-1590850		0001501011		Babson Capital Floating Rate Income Fund Management, LLC	..DE	..DS	Babson Capital Management LLC	Ownership	..100.000	..MMLIC	
.....0000			27-3523916		0001503878		Babson Capital Core Fixed Income Management LLC	..DE	..DS	Babson Capital Management LLC	Ownership	..100.000	..MMLIC	
.....0000			27-3524203		0001503879		Babson Capital Total Return Management LLC	..DE	..DS	Babson Capital Management LLC	Ownership	..100.000	..MMLIC	
.....0000							Babson CLO Investment Partners GP, LLC	..DE	..DS	Babson Capital Management LLC	Ownership	..100.000	..MMLIC	
.....0000							Babson Global Loan Feeder Management, LLC	..DE	..DS	Babson Capital Management LLC	Ownership	..100.000	..MMLIC	
.....0000							Babson TERO Management LLC	..DE	..DS	Babson Capital Management LLC	Ownership	..100.000	..MMLIC	
.....0000							Babson Investment Grade CLO Debt Management LLC	..DE	..DS	Babson Capital Management LLC	Ownership	..100.000	..MMLIC	
.....0000			98-0536233				Benton Street Advisors, Inc.	..CYM	..DS	Babson Capital Management LLC	Ownership	..100.000	..MMLIC	
.....0000			04-1590850				SDCOS Management LLC	..DE	..DS	Babson Capital Management LLC	Ownership	..100.000	..MMLIC	
.....0000			04-1590850				Great Lakes III GP, LLC	..DE	..DS	Babson Capital Management LLC	Ownership	..100.000	..MMLIC	
.....0000			04-1590850				Loan Strategies Management LLC	..DE	..DS	Babson Capital Management LLC	Ownership	..100.000	..MMLIC	
.....0000			04-1590850				Mezzco LLC	..DE	..DS	Babson Capital Management LLC	Ownership	..100.000	..MMLIC	
.....0000			02-0767001				Mezzco II LLC	..DE	..DS	Babson Capital Management LLC	Ownership	..98.400	..MMLIC	
.....0000			41-2280126				Mezzco III LLC	..DE	..DS	Babson Capital Management LLC	Ownership	..99.300	..MMLIC	
.....0000			80-0920285				Mezzco IV LLC	..DE	..DS	Babson Capital Management LLC	Ownership	..99.300	..MMLIC	
.....0000			90-0666326				Mezzco Australia LLC	..DE	..DS	Babson Capital Management LLC	Ownership	..72.000	..MMLIC	
.....0000							Mezzco Australia II LLC	..DE	..DS	Babson Capital Management LLC	Ownership	..100.000	..MMLIC	
.....0000			04-1590850				Somerset Special Opportunities Management LLC	..DE	..DS	Babson Capital Management LLC	Ownership	..100.000	..MMLIC	
.....0000			84-1149206	2897101			Oppenheimer Acquisition Corp.	..DE	..DS	MassMutual Asset Management Holding LLC	Ownership	..95.500	..MMLIC	
.....0000			13-2527171	2679183	0000820031		OppenheimerFunds, Inc.	..CO	..DS	Oppenheimer Acquisition Corp.	Ownership	..100.000	..MMLIC	
.....0000			13-2953455		0000276541		OppenheimerFunds Distributor, Inc.	..NY	..DS	OppenheimerFunds, Inc.	Ownership	..100.000	..MMLIC	
.....0000			84-1106295				Oppenheimer Real Asset Management, Inc.	..DE	..DS	OppenheimerFunds, Inc.	Ownership	..100.000	..MMLIC	
.....0000			13-4160541	3458125	0001179479		OFI Global Institutional, Inc.	..NY	..DS	OppenheimerFunds, Inc.	Ownership	..100.000	..MMLIC	
.....0000							OFI Institutional Asset Management, Inc.							
.....0000			13-3459790	2914875			OFI Global Trust Company	..NY	..DS	OFI Institutional Asset Management, Inc.	Ownership	..100.000	..MMLIC	
.....0000							HarbourView Asset Management Corporation	..NY	..DS	OFI Institutional Asset Management, Inc.	Ownership	..100.000	..MMLIC	
.....0000			25-1951632		0000099782		Trinity Investment Management Corporation	..PA	..DS		Ownership	..100.000	..MMLIC	
.....0000			84-1128397		0000857468		OFI SteelPath, Inc.	..DE	..DS	OppenheimerFunds, Inc.	Ownership	..100.000	..MMLIC	
.....0000			84-1066811		0000276398		Shareholder Services, Inc.	..CO	..DS	OppenheimerFunds, Inc.	Ownership	..100.000	..MMLIC	
.....0000							VTL Associates, LLC	..PA	..DS	OppenheimerFunds, Inc.	Ownership	..100.000	..MMLIC	
.....0000							Index Management Solutions, LLC	..PA	..DS	OppenheimerFunds, Inc.	Ownership	..100.000	..MMLIC	
.....0000			84-0765063		0001041674		OFI Global Asset Management, Inc.	..DE	..DS	OppenheimerFunds, Inc.	Ownership	..100.000	..MMLIC	
.....0000			91-2036414		0001179480		OFI Private Investments Inc.	..NY	..DS	OppenheimerFunds, Inc.	Ownership	..100.000	..MMLIC	
.....0000			62-1210532				Tremont Group Holdings, Inc.	..NY	..DS	Oppenheimer Acquisition Corp.	Ownership	..100.000	..MMLIC	
.....0000			06-1121864		0000764139		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	
.....0000			90-0874510				Settlement Agent LLC	..DE	..DS	Tremont Group Holdings, Inc.	Ownership	..100.000	..MMLIC	
.....0000							Tremont (Bermuda) Limited	..BMU	..DS	Tremont Group Holdings, Inc.	Ownership	..100.000	..MMLIC	
.....0000			04-1590850		2363071	0000932463	MassMutual Baring Holding LLC	..DE	..DS	MassMutual Asset Management Holding LLC	Ownership	..100.000	..MMLIC	
.....0000			98-0241935				Baring North America LLC	..MA	..DS	MassMutual Baring Holding LLC	Ownership	..100.000	..MMLIC	
.....0000							MassMutual Holdings (Bermuda) Limited	..BMU	..DS	MassMutual Baring Holding LLC	Ownership	..100.000	..MMLIC	
.....0000			98-0241935				Baring Asset Management Limited	..GBR	..DS	MassMutual Holdings (Bermuda) Limited	Ownership	..100.000	..MMLIC	
.....0000			98-0457328		0001568131		Baring International Investment Limited	..GBR	..DS	Baring Asset Management Limited	Ownership	..100.000	..MMLIC	

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PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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.....0000			98-0457587				Baring International Investment Management Holdings	GBR	DS	Baring Asset Management Limited	Ownership	100.000	MMLIC	
.....0000			98-0457576				Baring Asset Management UK Holdings Limited	GBR	DS	Baring International Investment Management Holdings	Ownership	100.000	MMLIC	
.....0000			98-0465031				Baring Asset Management GmbH	DEU	DS	Baring Asset Management UK Holdings Limited	Ownership	100.000	MMLIC	
.....0000			98-0524271				Baring Asset Management (Asia) Holdings Limited	HKG	DS	Baring Asset Management UK Holdings Limited	Ownership	100.000	MMLIC	
.....0000			98-0457465				Baring International Fund Managers (Bermuda) Limited	BMU	DS	Baring Asset Management (Asia) Holdings Limited	Ownership	100.000	MMLIC	
.....0000			98-0457463				Baring Asset Management (Asia) Limited	HKG	DS	Baring Asset Management (Asia) Holdings Limited	Ownership	100.000	MMLIC	
.....0000							Baring Asset Management Korea Limited	KOR	DS	Baring Asset Management (Asia) Limited	Ownership	100.000	MMLIC	
.....0000			98-0236449				Baring Asset Management (Japan) Limited	JPN	DS	Baring Asset Management (Asia) Holdings Limited	Ownership	100.000	MMLIC	
.....0000			98-0457456				Baring Asset Management (Australia) Pty Limited	AUS	DS	Baring Asset Management (Asia) Holdings Limited	Ownership	100.000	MMLIC	
.....0000			98-0524272				Baring International Fund Managers (Ireland) Limited	IRL	DS	Baring Asset Management UK Holdings Limited	Ownership	100.000	MMLIC	
.....0000							Baring Asset Management Switzerland Sarl	CHE	DS	Baring Asset Management UK Holdings Limited	Ownership	100.000	MMLIC	
.....0000			98-0457707				Baring SICE (Taiwan) Limited	TWN	DS	Baring Asset Management UK Holdings Limited	Ownership	100.000	MMLIC	
.....0000			98-0497550				Baring France SAS	FRA	DS	Baring Asset Management UK Holdings Limited	Ownership	100.000	MMLIC	
.....0000			98-0457586				Baring Fund Managers Limited	GBR	DS	Baring Asset Management Limited	Ownership	100.000	MMLIC	
.....0000			98-0457574				Baring Pension Trustees Limited	GBR	DS	Baring Asset Management Limited	Ownership	100.000	MMLIC	
.....0000			98-0457578				Baring Investment Services Limited	GBR	DS	Baring Asset Management Limited	Ownership	100.000	MMLIC	
.....0000							Baring Investments (UK) Limited	GBR	DS	Baring Asset Management Limited	Ownership	100.000	MMLIC	
.....0000			62-0951563	1160004	0001259664		First Mercantile Trust Company	TN	DS	MassMutual Holding LLC	Ownership	100.000	MMLIC	
.....0000			46-2252944				Haven Life Insurance Agency, LLC	DE	DS	MassMutual Holding LLC	Ownership	100.000	MMLIC	
.....0000			04-2443240				MML Management Corporation	MA	DS	MassMutual Holding LLC	Ownership	100.000	MMLIC	
.....0000							MassMutual International Holding MSC, Inc.				Ownership	100.000	MMLIC	
.....0000			04-3548444					MA	DS	MML Management Corporation	Ownership	100.000	MMLIC	
.....0000			47-1466022				Society of Grownups, LLC	MA	DS	MassMutual Holding LLC	Ownership	100.000	MMLIC	
.....0000										Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.....0000			04-1590850				MML Mezzanine Investor II, LLC	DE	DS	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.....0000										Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.....0000			04-1590850				MML Mezzanine Investor III, LLC	DE	DS	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.....0000										Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.....0000			27-3576835				MassMutual External Benefits Group LLC	DE	DS	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.....0000										Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.....0000			04-1590850				MML Re Finance LLC	DE	DS	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.....0000										Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.....0000			56-2574604				Invicta Advisors LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.....0000										Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.....0000			27-0105644				Jefferies Finance LLC	DE	NIA	Company	Ownership	45.000	MMLIC	1
.....0000			27-0105644				Jefferies Finance LLC	DE	NIA	Babson Capital Management LLC	Ownership	5.000	MMLIC	
.....0000										Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.....0000			04-1590850				MML Private Equity Fund Investor LLC	DE	NIA	Company	Ownership	100.000	MMLIC	
.....0000			04-1590850		0000067160		MML Private Equity Intercontinental LLC	DE	NIA	MML Private Equity Fund Investor LLC	Ownership	100.000	MMLIC	

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PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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.0000			04-1590850				100 w. 3rd Street LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			04-1590850				300 South Tryon Hotel LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			04-1590850				300 South Tryon LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			20-3887968				54 West Capital LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			16-1720387				Alexandria Towers Investors LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000							Almack Mezzanine Fund I LP	.GBR	NIA	Massachusetts Mutual Life Insurance Company	Ownership	34.600	MMLIC	
.0000							Almack Mezzanine Fund I LP	.GBR	NIA	C.M. Life Insurance Company	Ownership	5.300	MMLIC	
.0000							Almack Mezzanine Fund I LP	.GBR	NIA	Babson Capital Europe Limited	Management		MMLIC	
.0000							Almack Mezzanine Fund II Unleveraged LP	.GBR	NIA	Massachusetts Mutual Life Insurance Company	Ownership	72.900	MMLIC	
.0000							Almack Mezzanine Fund II Unleveraged LP	.GBR	NIA	Babson Capital Europe Limited	Management		MMLIC	
.0000							Almack Mezzanine Fund III LP	.GBR	NIA	Massachusetts Mutual Life Insurance Company	Ownership	34.200	MMLIC	
.0000							Almack Mezzanine Fund III LP	.GBR	NIA	C.M. Life Insurance Company	Ownership	3.800	MMLIC	
.0000							Almack Mezzanine Fund III LP	.GBR	NIA	Babson Capital Europe Limited	Management		MMLIC	
.0000							Babson Capital Emerging Markets Corporate Bond Fund	.JRL	NIA	Massachusetts Mutual Life Insurance Company	Ownership	97.900	MMLIC	
.0000							Babson Capital Emerging Markets Corporate Bond Fund	.JRL	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000							Babson Capital Emerging Markets Local Debt Fund	.JRL	NIA	Massachusetts Mutual Life Insurance Company	Ownership	64.900	MMLIC	
.0000							Babson Capital Emerging Markets Local Debt Fund	.JRL	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000							Babson Capital European High Yield Bond Fund	.JRL	NIA	Massachusetts Mutual Life Insurance Company	Ownership	79.300	MMLIC	
.0000							Babson Capital European High Yield Bond Fund	.JRL	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000							Babson Capital Global Special Situations Credit Fund 1	.JRL	NIA	Massachusetts Mutual Life Insurance Company	Ownership	46.800	MMLIC	
.0000							Babson Capital Global Special Situations Credit Fund 1	.JRL	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000			98-1206017				Babson Capital Global Special Situation Credit Fund 2	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	24.400	MMLIC	
.0000			98-1206017				Babson Capital Global Special Situation Credit Fund 2	.DE	NIA	C.M. Life Insurance Company	Ownership	1.600	MMLIC	
.0000			98-1206017				Babson Capital Global Special Situation Credit Fund 2	.DE	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000			55-0886109		0001321302		Babson Capital High Yield LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	88.200	MMLIC	
.0000			55-0886109		0001321302		Babson Capital High Yield LLC	.DE	NIA	C.M. Life Insurance Company	Ownership	11.800	MMLIC	
.0000			55-0886109		0001321302		Babson Capital High Yield LLC	.DE	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000			37-1506417				Babson Capital Loan Strategies Fund, L.P.	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	78.700	MMLIC	
.0000			37-1506417				Babson Capital Loan Strategies Fund, L.P.	.DE	NIA	C.M. Life Insurance Company	Ownership	3.900	MMLIC	
.0000			37-1506417				Babson Capital Loan Strategies Fund, L.P.	.DE	NIA	Babson Capital Management LLC	Management		MMLIC	

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SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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.0000							Babson CLO Ltd. 2007-I	.CYM	NIA	Babson Capital Management LLC	Influence			4
.0000							Babson CLO Ltd. 2011-I	.CYM	NIA	Babson Capital Management LLC	Influence			
.0000							Babson CLO Ltd. 2012-I	.CYM	NIA	Babson Capital Management LLC	Influence			
.0000							Babson CLO Ltd. 2012-II	.CYM	NIA	Babson Capital Management LLC	Influence			
.0000							Babson CLO Ltd. 2013-I	.CYM	NIA	Babson Capital Management LLC	Influence			7
.0000			98-1128827				Babson CLO Ltd. 2013-II	.CYM	NIA	Babson Capital Management LLC	Influence			8
.0000							Babson CLO Ltd. 2014-I	.CYM	NIA	Babson Capital Management LLC	Influence			2
.0000							Babson CLO Ltd. 2014-II	.CYM	NIA	Babson Capital Management LLC	Influence			9
.0000							Babson CLO Ltd. 2014-III	.CYM	NIA	Babson Capital Management LLC	Influence			
.0000							Babson CLO Ltd. 2015-I	.CYM	NIA	Babson Capital Management LLC	Influence			10
.0000							Babson CLO Ltd. 2015-II	.CYM	NIA	Babson Capital Management LLC	Influence			11
.0000							Babson CLO Ltd. 2016-I	.CYM	NIA	Babson Capital Management LLC	Influence			
.0000							Babson Euro CLO 2014-I BV	.NLD	NIA	Babson Capital Management LLC	Influence			
.0000							Babson Euro CLO 2014-II BV	.NLD	NIA	Babson Capital Management LLC	Influence			
.0000							Babson Euro CLO 2015-I BV	.NLD	NIA	Babson Capital Management LLC	Influence			
.0000							Babson Global Credit Fund (Lux) SCSp, SIACV-SIF	.LUX	NIA	Massachusetts Mutual Life Insurance Company	Ownership	26.300	MMLIC	
.0000							Babson Global Credit Fund (Lux) SCSp, SIACV-SIF	.LUX	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000			47-3971963				Babson Investment Grade CLO Debt Fund LP	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	93.300	MMLIC	
.0000			47-3971963				Babson Investment Grade CLO Debt Fund LP	.DE	NIA	C.M. Life Insurance Company	Ownership	6.700	MMLIC	
.0000			47-3971963				Babson Investment Grade CLO Debt Fund LP	.DE	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000			20-4570515		0001362970		Babson Mezzanine Realty Investors I	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	37.000	MMLIC	
.0000			20-4570515		0001362970		Babson Mezzanine Realty Investors I	.DE	NIA	C.M. Life Insurance Company	Ownership	1.900	MMLIC	
.0000			20-4570515		0001362970		Babson Mezzanine Realty Investors I	.DE	NIA	Cornerstone Real Estate Advisers LLC	Management		MMLIC	
.0000			24-1446970		0001362970		Babson Mezzanine Realty Investors II	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	0.000	MMLIC	
.0000			24-1446970		0001362970		Babson Mezzanine Realty Investors II	.DE	NIA	Cornerstone Real Estate Advisers LLC	Management		MMLIC	
.0000							Baring Emerging Market Corp Debt Fund	.JRL	NIA	Massachusetts Mutual Life Insurance Company	Ownership	87.000	MMLIC	
.0000							Baring Emerging Market Corp Debt Fund	.JRL	NIA	Baring Asset Management Limited	Management		MMLIC	
.0000			11-3789446				Baring Focused EAFE Equity Fund	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	52.400	MMLIC	
.0000			11-3789446				Baring Focused EAFE Equity Fund	.DE	NIA	Baring Asset Management Limited	Management		MMLIC	
.0000			30-0607379		0001497049		Baring Global Dynamic Asset Allocation Fund	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	27.000	MMLIC	
.0000			30-0607379		0001497049		Baring Global Dynamic Asset Allocation Fund	.DE	NIA	Baring Asset Management Limited	Management		MMLIC	
.0000			26-4142796				Baring International Small Cap Equity Fund	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	48.100	MMLIC	
.0000			26-4142796				Baring International Small Cap Equity Fund	.DE	NIA	Baring Asset Management Limited	Management		MMLIC	
.0000			98-0536233				Benton Street Partners I, L.P.	.CYM	NIA	MassMutual Capital Partners LLC	Ownership	98.000	MMLIC	
.0000			98-0536233				Benton Street Partners I, L.P.	.CYM	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000			98-0536233				Benton Street Partners I, L.P.	.CYM	NIA	C.M. Life Insurance Company	Ownership	0.100	MMLIC	
.0000			98-0536233				Benton Street Partners I, L.P.	.CYM	NIA	Massachusetts Mutual Life Insurance Company	Ownership	0.800	MMLIC	
.0000			98-0536199				Benton Street Partners II, L.P.	.CYM	NIA	Massachusetts Mutual Life Insurance Company	Ownership	33.300	MMLIC	3

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PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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.0000			98-0536199				Benton Street Partners II, L.P.	.CYM	NIA	MassMutual Capital Partners LLC	Ownership	4.800	MMLIC	
.0000			98-0536199				Benton Street Partners II, L.P.	.CYM	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000			06-1614196				Cambridge Hotel, LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			04-1590850				Cheyenne Mountain Resort LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000							Connecticut Valley Structured Credit CDO II, Ltd.	.CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	5
.0000							Connecticut Valley Structured Credit CDO III, Ltd.	.CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	
.0000							Cornerstone Core Fund SCSCP	.LUX	NIA	MassMutual Holding LLC	Ownership	93.900	MMLIC	
.0000							Cornerstone Core Fund SCSCP	.LUX	NIA	C.M. Life Insurance Company	Ownership	6.000	MMLIC	
.0000							Cornerstone Core Fund SCSCP	.LUX	NIA	Cornerstone Real Estate Advisers LLC	Management		MMLIC	
.0000			27-1701622		0001481752		Cornerstone Core Mortgage Venture I LP	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	50.000	MMLIC	
.0000			27-1701622		0001481752		Cornerstone Core Mortgage Venture I LP	.DE	NIA	Cornerstone Real Estate Advisers LLC	Management		MMLIC	
.0000			45-3751572		0001534877		Cornerstone Enhanced Mortgage Fund I LP	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	15.600	MMLIC	
.0000			45-3751572		0001534877		Cornerstone Enhanced Mortgage Fund I LP	.DE	NIA	Cornerstone Real Estate Advisers LLC	Management		MMLIC	
.0000			20-8730751				Cornerstone Global Real Estate LP	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	92.300	MMLIC	
.0000			20-8730751				Cornerstone Global Real Estate LP	.DE	NIA	C.M. Life Insurance Company	Ownership	7.600	MMLIC	
.0000			20-8730751				Cornerstone Global Real Estate LP	.DE	NIA	Cornerstone Real Estate Advisers LLC	Management		MMLIC	
.0000			36-4770946		0001590049		Cornerstone High Yield Venture LP	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	50.000	MMLIC	
.0000			36-4770946		0001590049		Cornerstone High Yield Venture LP	.DE	NIA	Cornerstone Real Estate Advisers LLC	Management		MMLIC	
.0000			26-1828760		0001423638		Cornerstone Hotel Income & Equity Fund II LP	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	15.600	MMLIC	
.0000			26-1828760		0001423638		Cornerstone Hotel Income & Equity Fund II LP	.DE	NIA	Cornerstone Real Estate Advisers LLC	Management		MMLIC	
.0000			71-0908077				Cornerstone Partners IV LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			20-5578089				Cornerstone Patriot Fund LP	.DE	NIA	MassMutual Holding LLC	Ownership	10.200	MMLIC	
.0000			20-5578089				Cornerstone Patriot Fund LP	.DE	NIA	Cornerstone Real Estate Advisers LLC	Management		MMLIC	
.0000			27-0547156				Cornerstone Real Estate Fund VIII LP	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	12.700	MMLIC	
.0000			27-0547156				Cornerstone Real Estate Fund VIII LP	.DE	NIA	Cornerstone Real Estate Advisers LLC	Management		MMLIC	
.0000			46-5432619				Cornerstone Real Estate Fund X LP	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	26.900	MMLIC	
.0000			46-5432619				Cornerstone Real Estate Fund X LP	.DE	NIA	C.M. Life Insurance Company	Ownership	3.000	MMLIC	
.0000			46-5432619				Cornerstone Real Estate Fund X LP	.DE	NIA	Cornerstone Real Estate Advisers LLC	Management		MMLIC	
.0000			46-5437441				Cornerstone/LAZ Parking Fund LP	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			46-5437441				Cornerstone/LAZ Parking Fund LP	.DE	NIA	Cornerstone Real Estate Advisers LLC	Management		MMLIC	
.0000				3981641			Duchess VI CLO B.V.	.GBR	NIA	Babson Capital Management LLC	Influence		MMLIC	
.0000				4007502			Duchess VII CLO B.V.	.GBR	NIA	Babson Capital Management LLC	Influence		MMLIC	
.0000			20-3887968				E-Wise Land Venture LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			80-0691253		0001517196		Gateway Mezzanine Partners I, L.P.	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	78.100	MMLIC	
.0000			80-0691253		0001517196		Gateway Mezzanine Partners I, L.P.	.DE	NIA	C.M. Life Insurance Company	Ownership	9.700	MMLIC	

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SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domiciliary Location	Relationship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Ownership Provide Percentage	Ultimate Controlling Entity(ies)/Person(s)	*
.0000			80-0691253		0001517196		Gateway Mezzanine Partners I, L.P.	DE	NIA	MassMutual Holding LLC	Ownership	12.200	MMLIC	
.0000			80-0691253		0001517196		Gateway Mezzanine Partners I, L.P.	DE	NIA	Babson Capital Management LLC Massachusetts Mutual Life Insurance Company	Management		MMLIC	
.0000			90-0991195		0001597511		Gateway Mezzanine Partners II LP	DE	NIA	C.M. Life Insurance Company	Ownership	35.700	MMLIC	
.0000			90-0991195		0001597511		Gateway Mezzanine Partners II LP	DE	NIA	MassMutual Holding LLC	Ownership	5.300	MMLIC	
.0000			90-0991195		0001597511		Gateway Mezzanine Partners II LP	DE	NIA	Babson Capital Management LLC Massachusetts Mutual Life Insurance Company	Ownership	5.200	MMLIC	
.0000			90-0991195		0001597511		Gateway Mezzanine Partners II LP	DE	NIA	Babson Capital Management LLC Massachusetts Mutual Life Insurance Company	Management		MMLIC	
.0000			37-1708623		0001565779		Great Lakes III, L.P.	DE	NIA	Babson Capital Management LLC	Ownership	35.700	MMLIC	
.0000			37-1708623		0001565779		Great Lakes III, L.P.	DE	NIA	Massachusetts Mutual Life Insurance Company	Management		MMLIC	
.0000			20-3887968				Kazwell Realty Partners LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			45-3754085				King Alexander LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			46-4255307				Marco Hotel LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			26-2704765				MMI/BDI Riverside Mt. Vernon LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			26-3799762				MML O'Hare Hotel LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			20-3887968				Oakley Grove Development LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			20-3887968				Old Pasco Properties LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			75-2901061				Reston Arboretum LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			30-0713071				Riva Portland LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000							Rockall CLO B.V.	GBR	NIA	Babson Capital Management LLC Massachusetts Mutual Life Insurance Company	Influence		MMLIC	
.0000			54-2055778				Rockville Town Center LLC	VA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000							Sapphire Valley CDO I, Ltd.	CYM	NIA	Babson Capital Management LLC Massachusetts Mutual Life Insurance Company	Influence		MMLIC	6
.0000			74-3182902				SDCOS L.P.	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			74-3182902				SDCOS L.P.	DE	NIA	Babson Capital Management LLC Massachusetts Mutual Life Insurance Company	Management		MMLIC	
.0000			46-5491311				Seattle 1415 Hotel Owner LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			04-1590850				Sedona TFMP Land LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			20-8856877		0001409910		Somerset Special Opportunities Fund L.P.	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	62.400	MMLIC	
.0000			20-8856877		0001409910		Somerset Special Opportunities Fund L.P.	DE	NIA	C.M. Life Insurance Company	Ownership	2.900	MMLIC	
.0000			20-8856877		0001409910		Somerset Special Opportunities Fund L.P.	DE	NIA	Babson Capital Management LLC Massachusetts Mutual Life Insurance Company	Management		MMLIC	
.0000			04-1590850				South Myrtle Monrovia MM LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			20-3887968				South Pasco Properties LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			30-0336246		0001345379		Tower Square Capital Partners II, L.P.	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	25.700	MMLIC	
.0000			30-0336246		0001345379		Tower Square Capital Partners II, L.P.	DE	NIA	C.M. Life Insurance Company	Ownership	4.500	MMLIC	
.0000			30-0336246		0001345379		Tower Square Capital Partners II, L.P.	DE	NIA	Babson Capital Management LLC	Management		MMLIC	

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PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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.0000			30-0336246		0001345379		Tower Square Capital Partners II, L.P.	DE	NIA	MassMutual Holding LLC Massachusetts Mutual Life Insurance Company	Ownership	2.600	MMLIC	
.0000			32-0160190				Tower Square Capital Partners II-A, L.P.	DE	NIA	C.M. Life Insurance Company	Ownership	.85.000	MMLIC	
.0000			32-0160190				Tower Square Capital Partners II-A, L.P.	DE	NIA	Babson Capital Management LLC	Management	.15.000	MMLIC	
.0000			41-2280127		0001447547		Tower Square Capital Partners III, L.P.	DE	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000			41-2280127		0001447547		Tower Square Capital Partners III, L.P.	DE	NIA	MassMutual Holding LLC Massachusetts Mutual Life Insurance Company	Ownership	.21.900	MMLIC	
.0000			41-2280129		0001447548		Tower Square Capital Partners IIIA, L.P.	DE	NIA	Babson Capital Management LLC	Management	.96.200	MMLIC	
.0000			41-2280129		0001447548		Tower Square Capital Partners IIIA, L.P.	DE	NIA	MassMutual Holding LLC	Ownership	.21.300	MMLIC	
.0000			80-0920367		0001598727		Tower Square Capital Partners IV-A, L.P.	DE	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000			80-0920367		0001598727		Tower Square Capital Partners IV-A, L.P.	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.36.200	MMLIC	
.0000			04-3722906		0001228752		Tower Square Capital Partners, L.P.	DE	NIA	C.M. Life Insurance Company	Ownership	.0.600	MMLIC	
.0000			04-3722906		0001228752		Tower Square Capital Partners, L.P.	DE	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000			04-3722906		0001228752		Tower Square Capital Partners, L.P.	DE	NIA	MassMutual Holding LLC	Ownership	.3.600	MMLIC	
.0000			04-1590850				West 46th Street Hotel LLC	DE	NIA	Company	Ownership	.100.000	MMLIC	
.0000							Whately CDO, Ltd.	CYM	NIA	Babson Capital Management LLC Massachusetts Mutual Life Insurance Company	Influence		MMLIC	
.0000			20-4981369		0001371601		Wood Creek Multi Asset Fund, L.P.	DE	NIA	Company	Ownership	.100.000	MMLIC	
.0000			20-4981369		0001371601		Wood Creek Multi Asset Fund, L.P.	DE	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000							Babson Capital Emerging Markets Debt Blended Total Return Fund	JRL	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000							Babson Capital Emerging Markets Debt Short Duration Fund	JRL	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000							Babson Capital Emerging Markets Sovereign Debt Fund	JRL	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000							Babson Capital Floating Rate Income Fund, L.P.	DE	NIA	MassMutual Holding LLC	Ownership	.0.020	MMLIC	
.0000			27-3330830		0001521404		Babson Capital Floating Rate Income Fund, L.P.	DE	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000							Babson Capital Loan Strategies Master Fund LP	CYM	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000							Babson Capital Global Investment Funds plc	JRL	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.0.300	MMLIC	
.0000					0001502146		Babson Capital Global Investment Fund 2 plc	JRL	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.0.000	MMLIC	
.0000					0001582591		Babson Capital Global Investment Fund 2 plc	JRL	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000					0001582591		Babson Capital Global Investment Grade Corporate Plus Fund	JRL	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000							Babson Capital Senior CLO Debt Fund	JRL	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000							Babson Emerging Markets Debt Blended Total Return Fund	MA	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000			47-3758432				Babson Emerging Markets Local Currency Debt Fund	MA	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000			47-3774453				Babson Emerging Markets Local Currency Debt Fund	MA	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000							Babson Global Income Opportunities Credit Fund	MA	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000			46-3119764				Babson Global Income Opportunities Credit Fund	MA	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000			47-3790192				Babson Global High Yield Bond Fund	MA	NIA	Babson Capital Management LLC	Management		MMLIC	

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SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domiciliary Location	Relationship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Ownership Provide Percentage	Ultimate Controlling Entity(ies)/Person(s)	*
.0000			47-3734770				Babson Total Return Bond Fund	MA	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000			47-3801860				Babson US High Yield Fund	MA	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000							Gateway Mezzanine Partners I Trust	AUS	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000			71-1018134				Great Lakes II LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	11.200	MMLIC	
.0000			71-1018134				Great Lakes II LLC	DE	NIA	C.M. Life Insurance Company	Ownership	1.000	MMLIC	
.0000			56-2505390				Great Lakes LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	4.400	MMLIC	
.0000			56-2505390				Great Lakes LLC	DE	NIA	C.M. Life Insurance Company	Ownership	0.500	MMLIC	
.0000			46-2344300				Intermodal Holdings II LLC	DE	NIA	Wood Creek Capital Management LLC	Influence		MMLIC	
.0000							Somerset Special Opportunities Master Fund LP	CYM	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000			04-1590850				Wood Creek Venture Fund LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	60.000	MMLIC	
.0000							Baring Greater China Equity Fund	HKG	NIA	Baring Asset Management Limited	Management		MMLIC	
.0000			20-2548283				12-18 West 55th Street Predevelopment, LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	88.200	MMLIC	
.0000			20-2548283				12-18 West 55th Street Predevelopment, LLC	DE	NIA	C.M. Life Insurance Company	Ownership	7.700	MMLIC	
.0000			46-4803557				2 Harbor Shore Member LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	91.000	MMLIC	
.0000			46-4803557				2 Harbor Shore Member LLC	DE	NIA	C.M. Life Insurance Company	Ownership	9.000	MMLIC	
.0000			36-4823011				50 Liberty LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	91.000	MMLIC	
.0000			36-4823011				50 Liberty LLC	DE	NIA	C.M. Life Insurance Company	Ownership	9.000	MMLIC	
.0000			80-0948028				One Harbor Shore LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	91.000	MMLIC	
.0000			80-0948028				One Harbor Shore LLC	DE	NIA	C.M. Life Insurance Company	Ownership	9.000	MMLIC	
.0000			45-5257904				21 West 86 LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	91.200	MMLIC	
.0000			45-5257904				21 West 86 LLC	DE	NIA	C.M. Life Insurance Company	Ownership	4.800	MMLIC	
.0000			45-2779931				AT Mid-Atlantic Office Portfolio LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	90.000	MMLIC	
.0000			45-2779931				AT Mid-Atlantic Office Portfolio LLC	DE	NIA	C.M. Life Insurance Company	Ownership	10.000	MMLIC	
.0000			04-1590850				CHC/RFP VI Core LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			56-2630592				Cornerstone Fort Pierce Development LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	83.900	MMLIC	
.0000			56-2630592				Cornerstone Fort Pierce Development LLC	DE	NIA	C.M. Life Insurance Company	Ownership	6.100	MMLIC	
.0000			45-2632610				Cornerstone Permanent Mortgage Fund	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			46-5001122				CREA 330 Third LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	92.000	MMLIC	
.0000			46-5001122				CREA 330 Third LLC	DE	NIA	C.M. Life Insurance Company	Ownership	8.000	MMLIC	
.0000			46-4367364				CREA FMF Nashville LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			26-2399532				CREA/LYON West Gateway, LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	54.000	MMLIC	
.0000			26-2399532				CREA/LYON West Gateway, LLC	DE	NIA	C.M. Life Insurance Company	Ownership	6.000	MMLIC	
.0000			81-0890084				CREA Madison Member LLC	DE	NIA	C.M. Life Insurance Company	Ownership	100.000	MMLIC	

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PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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.0000			20-0348173				CREA/PPC Venture LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	93.400	MMLIC	
.0000			20-0348173				CREA/PPC Venture LLC	DE	NIA	C.M. Life Insurance Company	Ownership	6.600	MMLIC	
.0000			26-1611591	3956836			Fallon Cornerstone One MPD LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	55.300	MMLIC	
.0000			26-1611591	3956836			Fallon Cornerstone One MPD LLC	DE	NIA	C.M. Life Insurance Company	Ownership	5.500	MMLIC	
.0000			20-3347091				Fan Pier Development LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	91.000	MMLIC	
.0000			20-3347091				Fan Pier Development LLC	DE	NIA	C.M. Life Insurance Company	Ownership	9.000	MMLIC	
.0000			46-3880526				Farrington London Holdings LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	94.500	MMLIC	
.0000			46-3880526				Farrington London Holdings LLC	DE	NIA	C.M. Life Insurance Company	Ownership	5.500	MMLIC	
.0000							Infinity SCD Ltd	GBR	NIA	Massachusetts Mutual Life Insurance Company	Ownership	4.200	MMLIC	
.0000			20-4819358				Johnston Groves LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	57.200	MMLIC	
.0000			46-5347643				MMI/Hines Harrison LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	92.000	MMLIC	
.0000			46-5347643				MMI/Hines Harrison LLC	DE	NIA	C.M. Life Insurance Company	Ownership	8.000	MMLIC	
.0000			46-4077059				MM Woodfield Martingale LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	80.400	MMLIC	
.0000			46-4077059				MM Woodfield Martingale LLC	DE	NIA	C.M. Life Insurance Company	Ownership	19.600	MMLIC	
.0000							Salomon Brothers Commercial Mortgage Trust 2001-MM	DE	NIA	Cornerstone Real Estate Advisers LLC	Influence		MMLIC	
.0000			27-2977720				Sawgrass Village Shopping Center LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	84.200	MMLIC	
.0000			27-2977720				Sawgrass Village Shopping Center LLC	DE	NIA	C.M. Life Insurance Company	Ownership	15.800	MMLIC	
.0000							Ten Fan Pier Boulevard LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	91.000	MMLIC	
.0000							Ten Fan Pier Boulevard LLC	DE	NIA	C.M. Life Insurance Company	Ownership	9.000	MMLIC	
.0000			35-2484550				Twenty Two Liberty LLC	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	91.000	MMLIC	
.0000			35-2484550				Twenty Two Liberty LLC	MA	NIA	C.M. Life Insurance Company	Ownership	9.000	MMLIC	
.0000			45-4606547				UK LIW Manager LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	1.000	MMLIC	
.0000			45-4606547				UK LIW Member LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	99.000	MMLIC	
.0000			45-5401109				Washington Gateway Apartments Venture LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	90.400	MMLIC	
.0000			45-5401109				Washington Gateway Apartments Venture LLC	DE	NIA	C.M. Life Insurance Company	Ownership	4.800	MMLIC	
.0000			20-2970495				Waterford Development Associates	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	90.000	MMLIC	
.0000			47-1993493				Waterloo London Holdings LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			46-3122029				WeHo Domain LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	86.000	MMLIC	
.0000			46-3122029				WeHo Domain LLC	DE	NIA	C.M. Life Insurance Company	Ownership	14.000	MMLIC	
.0000			81-1552222				Willowood Lakeside Master LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	50.000	MMLIC	
.0000			20-5481477				Ygnatio Valley Funding	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	90.000	MMLIC	

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STATEMENT AS OF MARCH 31, 2016 OF THE Massachusetts Mutual Life Insurance Company

SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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Group Code	Group Name	NAIC Company Code	ID Number	Federal RSSD	CIK	Name of Securities Exchange if Publicly Traded (U.S. or International)	Names of Parent, Subsidiaries Or Affiliates	Domiciliary Location	Relationship to Reporting Entity	Directly Controlled by (Name of Entity/Person)	Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	If Control is Ownership Provide Percentage	Ultimate Controlling Entity(ies)/Person(s)	*
.....0000			45-3168892			QQ	MassMutual Barings Dynamic Allocation Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	93.800	MMLIC	
.....0000			51-0529328		0000927972	QQ	MassMutual Premier Main Street Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	40.500	MMLIC	
.....0000			26-3229251		0000927972	QQ	MassMutual Premier Strategic Emerging Markets Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	30.700	MMLIC	
.....0000			04-3277550		0000927972	QQ	MassMutual Premier Value Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	97.800	MMLIC	
.....0000			14-1980900		0000916053	QQ	MassMutual Select Diversified International Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	61.400	MMLIC	
.....0000			01-0821120		0000916053	QQ	MassMutual Select Diversified Value Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	30.400	MMLIC	
.....0000			04-3512593		0000916053	QQ	MassMutual Select Fundamental Growth Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	17.900	MMLIC	
.....0000			04-3513019		0000916053	QQ	MassMutual Select Large Cap Value Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	99.900	MMLIC	
.....0000			42-1710935		0000916053	QQ	MassMutual Select Mid-Cap Value Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	99.800	MMLIC	
.....0000			02-0769954		0000916053	QQ	MassMutual Select Small Capital Value Equity Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	38.600	MMLIC	
.....0000			04-3584140		0000916053	QQ	MassMutual Select Small Company Value Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	83.000	MMLIC	
.....0000			46-4257056		0000067160		MML Series International Equity Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	5.700	MMLIC	
.....0000			47-3517233		0001317146		MML Series II Asset Momentum Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	98.200	MMLIC	
.....0000			47-3529636		0001317146		MML Series II Dynamic Bond Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	7.300	MMLIC	
.....0000			47-3544629		0001317146		MML Series II Equity Rotation Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	99.600	MMLIC	
.....0000			47-3559064		0001317146		MML Series II Special Situations Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	99.200	MMLIC	
.....0000			46-3289207		0000916053		MassMutual RetireSMART 2055 Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	29.900	MMLIC	
.....0000			47-5326235		0000916053		MassMutual RetireSMART 2060 Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.....0000			45-1618155		0000916053		MassMutual RetireSMART Conservative Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	99.900	MMLIC	
.....0000			45-1618222		0000916053		MassMutual RetireSMART Growth Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	99.900	MMLIC	
.....0000			45-1618262		0000916053		MassMutual RetireSMART Moderate Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	99.900	MMLIC	
.....0000			45-1618046		0000916053		MassMutual RetireSMART Moderate Growth Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	99.900	MMLIC	
.....0000			45-3417590		0001530245		Oppenheimer Global High Yield Fund	DE	NIA	OppenheimerFunds, Inc.	Management		MMLIC	
.....0000			46-1604428		0001562689		Oppenheimer Global Real Estate Fund	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	43.700	MMLIC	
.....0000			46-1604428		0001562689		Oppenheimer Global Real Estate Fund	DE	NIA	C.M. Life Insurance Company	Ownership	3.500	MMLIC	
.....0000			46-1604428		0001562689		Oppenheimer Global Real Estate Fund	DE	NIA	OppenheimerFunds, Inc.	Management		MMLIC	
.....0000			47-3676235				Oppenheimer Global Multi-Asset Growth Fund	DE	NIA	OppenheimerFunds, Inc.	Management		MMLIC	

13.12

STATEMENT AS OF MARCH 31, 2016 OF THE Massachusetts Mutual Life Insurance Company

SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

1 Group Code	2 Group Name	3 NAIC Company Code	4 ID Number	5 Federal RSSD	6 CIK	7 Name of Securities Exchange if Publicly Traded (U.S. or International)	8 Names of Parent, Subsidiaries Or Affiliates	9 Domiciliary Location	10 Relationship to Reporting Entity	11 Directly Controlled by (Name of Entity/Person)	12 Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	13 If Control is Ownership Provide Percentage	14 Ultimate Controlling Entity(ies)/Person(s)	15 *
.....0000			47-1714929				Oppenheimer Global Multi-Asset Income Fund	DE	NIA	OppenheimerFunds, Inc. Massachusetts Mutual Life Insurance Company	Management.....		MMLIC	
.....0000			22-3849391		0001163166		Oppenheimer Real Estate Fund	MA	NIA		Ownership.....	49.600	MMLIC	
.....0000			47-4835759				Oppenheimer Small Cap Value Fund	DE	NIA	OppenheimerFunds, Inc.	Management.....		MMLIC	
.....0000			47-3987967				Oppenheimer SteelPath Panoramic Fund	DE	NIA	OppenheimerFunds, Inc.	Management.....		MMLIC	

Asterisk	Explanation
1	Massachusetts Mutual Life Insurance Company owns 2.78% of the affiliated debt of Jefferies Finance LLC
2	Debt investors own 3.1% and includes only Great Lakes III, L.P.
3	Partnership investors own 99% and include Babson Loan Strategies Fund, L.P.
4	Debt investors own 3.4% and includes only Babson Capital Loan Strategies Fund, L.P.
5	Debt investors own 31.6% and includes only Connecticut Valley Structured Credit CDO III, Ltd.
6	Debt investors own 54.6% and includes only Babson Capital Loan Strategies Fund, L.P.
7	Debt investors own 4.7% and includes only Babson Capital Loan Strategies Fund, L.P.
8	Debt investors own 4.1% and includes only Great Lakes III, L.P.
9	Debt investors own 5.2% and includes only Great Lakes III, L.P.
10	Debt investors own 1.9% and includes only Great Lakes III, L.P.
11	Debt investors own 3.8% and includes only Great Lakes III, L.P.

13.13

SUPPLEMENTAL EXHIBITS AND SCHEDULES INTERROGATORIES

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

	Response
1. Will the Trusteed Surplus Statement be filed with the state of domicile and the NAIC with this statement?	NO
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. Not Required
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]
4. Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXV [Document Identifier 446]
5. Reasonableness of Assumptions Certification for Implied Guaranteed Rate Method required by Actuarial Guideline XXXVI [Document Identifier 447]
6. Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXVI [Document Identifier 448]
7. Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXVI (Updated Market Value) [Document Identifier 449]



STATEMENT AS OF MARCH 31, 2016 OF THE Massachusetts Mutual Life Insurance Company

OVERFLOW PAGE FOR WRITE-INS

Additional Write-ins for Assets Line 25

	Current Statement Date			4 December 31 Prior Year Net Admitted Assets
	1 Assets	2 Nonadmitted Assets	3 Net Admitted Assets (Cols. 1 - 2)	
2504. Investment in trust	31,580,749		31,580,749	32,401,020
2505. Cash advances to agents	141,098,017	140,565,467	532,550	454,517
2506. Pension plan asset	637,119,568	637,119,568		
2507. Commissions and expenses on long-term lease	67,183,656	67,183,656		
2508. Intangible assets	1,822,222	1,822,222		
2509. Bills receivable	219,009	219,009		
2597. Summary of remaining write-ins for Line 25 from overflow page	879,023,221	846,909,922	32,113,299	32,855,537

Additional Write-ins for Liabilities Line 25

	1 Current Statement Date	2 December 31 Prior Year
2504. Funds awaiting escheat and other miscellaneous	43,769,731	59,442,056
2505. Deferred liability	22,696,218	22,951,063
2597. Summary of remaining write-ins for Line 25 from overflow page	66,465,949	82,393,119

Additional Write-ins for Summary of Operations Line 27

	1 Current Year To Date	2 Prior Year To Date	3 Prior Year Ended December 31
2704. Miscellaneous charges to operations	1,781,288	926,088	28,650,573
2797. Summary of remaining write-ins for Line 27 from overflow page	1,781,288	926,088	28,650,573

STATEMENT AS OF MARCH 31, 2016 OF THE Massachusetts Mutual Life Insurance Company

SCHEDULE A - VERIFICATION

Real Estate

	1 Year to Date	2 Prior Year Ended December 31
1. Book/adjusted carrying value, December 31 of prior year	928,176,765	775,877,372
2. Cost of acquired:		
2.1 Actual cost at time of acquisition	2,204,155	67,771,032
2.2 Additional investment made after acquisition	41,237,150	294,221,232
3. Current year change in encumbrances	(9,974,088)	(54,626,229)
4. Total gain (loss) on disposals	(173,396)	50,196,528
5. Deduct amounts received on disposals	1,427,132	110,006,251
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	25,661,690	95,256,919
9. Book/adjusted carrying value at the end of current period (Lines 1+2+3+4-5+6-7-8)	934,381,764	928,176,765
10. Deduct total nonadmitted amounts		
11. Statement value at end of current period (Line 9 minus Line 10)	934,381,764	928,176,765

SCHEDULE B - VERIFICATION

Mortgage Loans

	1 Year to Date	2 Prior Year Ended December 31
1. Book value/recorded investment excluding accrued interest, December 31 of prior year	22,007,729,394	19,356,684,887
2. Cost of acquired:		
2.1 Actual cost at time of acquisition	755,696,110	4,885,057,024
2.2 Additional investment made after acquisition	94,154,420	411,061,150
3. Capitalized deferred interest and other	10,502,911	37,046,929
4. Accrual of discount	459,878	1,777,987
5. Unrealized valuation increase (decrease)		
6. Total gain (loss) on disposals	(250,914)	(2,990,144)
7. Deduct amounts received on disposals	731,840,810	2,574,694,271
8. Deduct amortization of premium and mortgage interest points and commitment fees	1,207,421	8,607,105
9. Total foreign exchange change in book value/recorded investment excluding accrued interest	1,534,362	(92,566,108)
10. Deduct current year's other than temporary impairment recognized		5,040,955
11. Book value/recorded investment excluding accrued interest at end of current period (Lines 1+2+3+4+5+6-7-8+9-10)	22,136,777,930	22,007,729,394
12. Total valuation allowance	(3,813,758)	
13. Subtotal (Line 11 plus Line 12)	22,132,964,172	22,007,729,394
14. Deduct total nonadmitted amounts		
15. Statement value at end of current period (Line 13 minus Line 14)	22,132,964,172	22,007,729,394

SCHEDULE BA - VERIFICATION

Other Long-Term Invested Assets

	1 Year to Date	2 Prior Year Ended December 31
1. Book/adjusted carrying value, December 31 of prior year	7,535,417,690	7,052,880,574
2. Cost of acquired:		
2.1 Actual cost at time of acquisition	164,238,948	1,868,141,079
2.2 Additional investment made after acquisition	217,915,479	1,599,048,361
3. Capitalized deferred interest and other		
4. Accrual of discount		
5. Unrealized valuation increase (decrease)	29,156,789	519,745,996
6. Total gain (loss) on disposals	228,494	(2,275,272)
7. Deduct amounts received on disposals	1,017,268,131	3,427,634,382
8. Deduct amortization of premium and depreciation	86,193	9,059,677
9. Total foreign exchange change in book/adjusted carrying value	19,160,260	(44,489,630)
10. Deduct current year's other than temporary impairment recognized	3,368,608	20,939,360
11. Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5+6-7-8+9-10)	6,945,394,728	7,535,417,690
12. Deduct total nonadmitted amounts	37,524,918	62,151,320
13. Statement value at end of current period (Line 11 minus Line 12)	6,907,869,810	7,473,266,370

SCHEDULE D - VERIFICATION

Bonds and Stocks

	1 Year to Date	2 Prior Year Ended December 31
1. Book/adjusted carrying value of bonds and stocks, December 31 of prior year	89,179,507,736	84,372,279,178
2. Cost of bonds and stocks acquired	5,460,607,373	20,375,381,082
3. Accrual of discount	88,346,456	458,566,389
4. Unrealized valuation increase (decrease)	790,807,204	16,656,914
5. Total gain (loss) on disposals	(70,986,671)	187,514,199
6. Deduct consideration for bonds and stocks disposed of	2,902,549,736	15,608,173,222
7. Deduct amortization of premium	42,552,465	196,922,755
8. Total foreign exchange change in book/adjusted carrying value	66,861,396	(230,339,878)
9. Deduct current year's other than temporary impairment recognized	46,470,866	195,454,171
10. Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5-6-7+8-9)	92,523,570,427	89,179,507,736
11. Deduct total nonadmitted amounts		
12. Statement value at end of current period (Line 10 minus Line 11)	92,523,570,427	89,179,507,736

STATEMENT AS OF MARCH 31, 2016 OF THE Massachusetts Mutual Life Insurance Company

SCHEDULE D - PART 1B

Showing the Acquisitions, Dispositions and Non-Trading Activity
During the Current Quarter for all Bonds and Preferred Stock by NAIC Designation

NAIC Designation	1 Book/Adjusted Carrying Value Beginning of Current Quarter	2 Acquisitions During Current Quarter	3 Dispositions During Current Quarter	4 Non-Trading Activity During Current Quarter	5 Book/Adjusted Carrying Value End of First Quarter	6 Book/Adjusted Carrying Value End of Second Quarter	7 Book/Adjusted Carrying Value End of Third Quarter	8 Book/Adjusted Carrying Value December 31 Prior Year
BONDS								
1. NAIC 1 (a)	45,775,594,761	2,961,152,144	1,604,023,484	(121,041,982)	47,011,681,439			45,775,594,761
2. NAIC 2 (a)	29,888,287,639	25,804,186,645	25,423,871,143	23,232,776	30,291,835,917			29,888,287,639
3. NAIC 3 (a)	3,480,739,106	665,697,392	188,036,688	(401,735,321)	3,556,664,489			3,480,739,106
4. NAIC 4 (a)	2,147,858,102	219,936,489	218,039,450	269,304,897	2,419,060,038			2,147,858,102
5. NAIC 5 (a)	766,947,118	48,608,948	51,241,900	144,929,556	909,243,722			766,947,118
6. NAIC 6 (a)	361,717,484	20,812,509	35,406,697	83,912,210	431,035,506			361,717,484
7. Total Bonds	82,421,144,210	29,720,394,127	27,520,619,362	(1,397,864)	84,619,521,111			82,421,144,210
PREFERRED STOCK								
8. NAIC 1	212,650,000		47,150,000		165,500,000			212,650,000
9. NAIC 2	177,002,528		23,833,094	1,655,453	154,824,887			177,002,528
10. NAIC 3	123,000,000				123,000,000			123,000,000
11. NAIC 4	546,872				546,872			546,872
12. NAIC 5	4,261,033			(4,560)	4,256,473			4,261,033
13. NAIC 6	15,489,216		4,546	(640,520)	14,844,150			15,489,216
14. Total Preferred Stock	532,949,649		70,987,640	1,010,373	462,972,382			532,949,649
15. Total Bonds and Preferred Stock	82,954,093,859	29,720,394,127	27,591,607,002	(387,491)	85,082,493,493			82,954,093,859

(a) Book/Adjusted Carrying Value column for the end of the current reporting period includes the following amount of non-rated short-term and cash equivalent bonds by NAIC designation: NAIC 1 \$5,698,194 ; NAIC 2 \$2,640,869,510 ; NAIC 3 \$390,091,966 ; NAIC 4 \$; NAIC 5 \$; NAIC 6 \$

SCHEDULE DA - PART 1

Short-Term Investments

	1 Book/Adjusted Carrying Value	2 Par Value	3 Actual Cost	4 Interest Collected Year-to-Date	5 Paid for Accrued Interest Year-to-Date
9199999 Totals	515,411,284	xxx	514,883,605		

SCHEDULE DA - VERIFICATION

Short-Term Investments

	1 Year To Date	2 Prior Year Ended December 31
1. Book/adjusted carrying value, December 31 of prior year	167,854,960	371,463,818
2. Cost of short-term investments acquired	516,456,993	1,023,794,253
3. Accrual of discount	727,463	1,017,345
4. Unrealized valuation increase (decrease)		
5. Total gain (loss) on disposals	12,226	9,449
6. Deduct consideration received on disposals	169,640,358	1,228,429,905
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)	515,411,284	167,854,960
11. Deduct total nonadmitted amounts		
12. Statement value at end of current period (Line 10 minus Line 11)	515,411,284	167,854,960

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)	3,427,737,410
2. Cost Paid/(Consideration Received) on additions	113,589,925
3. Unrealized Valuation increase/(decrease)	31,333,595
4. Total gain (loss) on termination recognized	129,049,366
5. Considerations received/(paid) on terminations	266,188,695
6. Amortization	897,154
7. Adjustment to the Book/Adjusted Carrying Value of hedged item	
8. Total foreign exchange change in Book/Adjusted Carrying Value	
9. Book/Adjusted Carrying Value at End of Current Period (Lines 1+2+3+4-5+6+7+8)	3,436,418,755
10. Deduct nonadmitted assets	
11. Statement value at end of current period (Line 9 minus Line 10)	3,436,418,755

SCHEDULE DB - PART B - VERIFICATION

Futures Contracts

1. Book/Adjusted carrying value, December 31 of prior year (Line 6, prior year)	
2. Cumulative cash change (Section 1, Broker Name/Net Cash Deposits Footnote - Cumulative Cash Change column)	
3.1 Add:	
Change in variation margin on open contracts - Highly Effective Hedges	
3.11 Section 1, Column 15, current year to date minus	
3.12 Section 1, Column 15, prior year	
Change in variation margin on open contracts - All Other	
3.13 Section 1, Column 18, current year to date minus	(56,577,793)
3.14 Section 1, Column 18, prior year	7,584,764 (64,162,557) (64,162,557)
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	(56,577,793)
3.24 Section 1, Column 19, prior year	7,584,764 (64,162,557) (64,162,557)
3.3 Subtotal (Line 3.1 minus Line 3.2)	
4.1 Cumulative variation margin on terminated contracts during the year	264,834,514
4.2 Less:	
4.21 Amount used to adjust basis of hedged item	
4.22 Amount recognized	257,249,750 257,249,750
4.3 Subtotal (Line 4.1 minus Line 4.2)	7,584,764
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	(7,584,764)
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)	

STATEMENT AS OF MARCH 31, 2016 OF THE Massachusetts Mutual Life Insurance Company

SCHEDULE DB - PART C - SECTION 1

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

Replication (Synthetic Asset) Transactions								Components of the Replication (Synthetic Asset) Transactions							
1	2	3	4	5	6	7	8	Derivative Instrument(s) Open			Cash Instrument(s) Held				
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9	10	11	12	13	14	15	16
								Description	Book/Adjusted Carrying Value	Fair Value	CUSIP	Description	NAIC Designation or Other Description	Book/Adjusted Carrying Value	Fair Value
57629*AA9	Evergreen Basket of Long Fixed Rate Corp Inv Grade Equiv Bonds	2	50,000,000	4,000,000	9,024,323	10/01/2012	10/01/2042	Interest Rate Swaps		5,052,383	27965F-AD-4	Edens & Avant Investments LP Gtd Senior Note Series A Tr D	2	4,000,000	3,971,940
57629*AA9	Evergreen Basket of Long Fixed Rate Corp Inv Grade Equiv Bonds	2		28,535,618	28,641,268	10/01/2012	10/01/2042	Interest Rate Swaps			758750-AA-2	Regal Beloit Corporation Senior Note Ser 2007ATranche B	2	28,535,618	28,641,268
57629*AA9	Evergreen Basket of Long Fixed Rate Corp Inv Grade Equiv Bonds	2		11,970,000	11,760,000	10/01/2012	10/01/2042	Interest Rate Swaps			69350K-AA-4	PNC Preferred Funding Trust II Unsecured Bond	2	11,970,000	11,760,000
57629*AA9	Evergreen Basket of Long Fixed Rate Corp Inv Grade Equiv Bonds	2		11,003,816	10,575,500	10/01/2012	10/01/2042	Interest Rate Swaps			320808-AD-0	First Maryland Capital I Limited Guarantee Note	2	11,003,816	10,575,500
57629*AB7	Evergreen Basket of Long Fixed Rate Bank Loans B- or Above	3	50,000,000	4,544,106	9,377,081	10/01/2012	10/01/2042	Interest Rate Swaps		4,987,562	38137A-AG-8	Goldentree Loan Opp VI Ltd Sr Secd Deferrable Nt Class C	1	4,544,106	4,389,519
57629*AB7	Evergreen Basket of Long Fixed Rate Bank Loans B- or Above	3		6,373,338	6,175,000	10/01/2012	10/01/2042	Interest Rate Swaps			67818N-ZZ-5	SASOL CHEMICALS (USA) LLC	2	6,373,338	6,175,000
57629*AB7	Evergreen Basket of Long Fixed Rate Bank Loans B- or Above	3		5,098,847	5,090,688	10/01/2012	10/01/2042	Interest Rate Swaps			77277L-A7-2	Rockall CLO BV Variable Funding Note- USD	1	5,098,847	5,090,688
57629*AB7	Evergreen Basket of Long Fixed Rate Bank Loans B- or Above	3		5,291,921	5,291,805	10/01/2012	10/01/2042	Interest Rate Swaps			05377J-AL-6	AVIS BUDGET CAR RENTAL LLC	3	5,291,921	5,291,805
57629*AB7	Evergreen Basket of Long Fixed Rate Bank Loans B- or Above	3		4,948,708	4,766,420	10/01/2012	10/01/2042	Interest Rate Swaps			U8270Y-ZZ-4	SILVER STATE SOLAR SOUTH	2	4,948,708	4,766,420
57629*AB7	Evergreen Basket of Long Fixed Rate Bank Loans B- or Above	3		1,943,400	1,936,112	10/01/2012	10/01/2042	Interest Rate Swaps			81683U-AF-4	SEMINOLE TRIBE OF FLORIDA	2	1,943,400	1,936,112
57629*AB7	Evergreen Basket of Long Fixed Rate Bank Loans B- or Above	3		1,226,785	1,213,499	10/01/2012	10/01/2042	Interest Rate Swaps			48578P-AF-2	KASIMA, LLC	2	1,226,785	1,213,499
57629*AB7	Evergreen Basket of Long Fixed Rate Bank Loans B- or Above	3		13,000,000	12,705,186	10/01/2012	10/01/2042	Interest Rate Swaps			14889K-AC-6	Catamaran CLO Ltd Series 2015-1A Class B	1	13,000,000	12,705,186
57629*AB7	Evergreen Basket of Long Fixed Rate Bank Loans B- or Above	3		12,920,000	12,499,958	10/01/2012	10/01/2042	Interest Rate Swaps			55818Y-AE-1	Madison Park Funding Ltd Series 2015-17A Class B	1	12,920,000	12,499,958
57629*AC5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	264,000,000	16,529,204	40,885,446	11/29/2012	11/29/2042	Interest Rate Swaps		25,408,614	87244D-AC-8	Wind River CLO Ltd Series 2013-1A Class A2	1	16,529,204	15,476,832
57629*AC5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		18,291,804	17,629,012	11/29/2012	11/29/2042	Interest Rate Swaps			87244D-AA-2	Wind River CLO Ltd Series 2013-1A Class A1	1	18,291,804	17,629,012
57629*AC5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,623,744	4,435,658	11/29/2012	11/29/2042	Interest Rate Swaps			09625Y-AG-6	Bluemountain CLO 2012-1 Ltd Sr Sec Def Note Class C 144A	1	4,623,744	4,435,658
57629*AC5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		185,964,669	181,956,717	11/29/2012	11/29/2042	Interest Rate Swaps			85815X-AA-1	Steele Creek CLO Ltd Series 2014-1A Class A1	1	185,964,669	181,956,717
57629*AC5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		46,353,221	45,060,616	11/29/2012	11/29/2042	Interest Rate Swaps			14955A-AA-1	CAVALRY CLO LTD Series 2014-4A Class A	1	46,353,221	45,060,616
57629*AC5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		15,017,923	15,396,680	11/29/2012	11/29/2042	Interest Rate Swaps			39808F-AC-2	Greywolf CLO Ltd Series 2014-1A Class A2	1	15,017,923	15,396,680
57629*AE1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	100,000,000	52,777,691	67,241,724	12/27/2012	12/27/2042	Interest Rate Swaps		13,655,800	803066-AA-7	Sapphire Valley CDO I Ltd Sr Note Class A 144A	1	52,777,691	53,585,924
57629*AE1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,407,766	6,057,808	12/27/2012	12/27/2042	Interest Rate Swaps			05618M-AJ-3	Babson CLO Ltd 2014-III Secd Def Mezz Term Nt C C-1	1	6,407,766	6,057,808
57629*AE1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		2,014,494	1,933,846	12/27/2012	12/27/2042	Interest Rate Swaps			50183X-AG-6	LCM Ltd Partnership Series 11A Class C	1	2,014,494	1,933,846
57629*AE1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,435,210	7,240,388	12/27/2012	12/27/2042	Interest Rate Swaps			44979E-AJ-0	ING Investment Management Series 2006-2A Class C	1	7,435,210	7,240,388
57629*AE1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,482,205	4,150,526	12/27/2012	12/27/2042	Interest Rate Swaps			87154E-AF-7	Symphony CLO XV Ltd Def Mezz NT CL D 144A	1	4,482,205	4,150,526
57629*AE1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,560,097	4,437,092	12/27/2012	12/27/2042	Interest Rate Swaps			15135A-AA-1	Cent CDO Ltd Series 2006-12A Class A	1	4,560,097	4,437,092
57629*AE1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		2,777,993	2,865,783	12/27/2012	12/27/2042	Interest Rate Swaps			36320P-AC-5	Gale Force 4 CLO Ltd Sr Sec Note Fltg Class B 144A	1	2,777,993	2,865,783
57629*AE1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,112,683	6,000,108	12/27/2012	12/27/2042	Interest Rate Swaps			87158F-AE-3	Symphony CLO Ltd Series 2011-7A Class C	1	6,112,683	6,000,108
57629*AE1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,792,958	6,264,436	12/27/2012	12/27/2042	Interest Rate Swaps			46617Y-AD-5	JFIN CLO LTD Series 2015-1A Class C1	1	6,792,958	6,264,436
57629*AE1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5,008,147	6,363,515	12/27/2012	12/27/2042	Interest Rate Swaps			24820R-AA-6	Statoil ASA Senior Unsecured Note	1	5,008,147	6,363,515
57629*AE1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,074,710	4,253,317	12/27/2012	12/27/2042	Interest Rate Swaps			00162L-AW-7	ALM XVI, LTD.	1	4,074,710	4,253,317
57629*AD3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	100,000,000	43,800,000	57,236,800	12/27/2012	12/27/2042	Interest Rate Swaps		13,655,800	00900A-AA-6	Aimco Series 2014-AA Class A	1	43,800,000	43,581,000

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STATEMENT AS OF MARCH 31, 2016 OF THE Massachusetts Mutual Life Insurance Company

SCHEDULE DB - PART C - SECTION 1

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

Replication (Synthetic Asset) Transactions								Components of the Replication (Synthetic Asset) Transactions							
1	2	3	4	5	6	7	8	Derivative Instrument(s) Open			Cash Instrument(s) Held				
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9	10	11	12	13	14	15	16
								Description	Book/Adjusted Carrying Value	Fair Value	CUSIP	Description	NAIC Designation or Other Description	Book/Adjusted Carrying Value	Fair Value
57629*AD3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5,294,141	5,206,108	12/27/2012	12/27/2042	Interest Rate Swaps			00889V-AC-1	Aimco Series 2006-AA Class B	1	5,294,141	5,206,108
57629*AD3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,793,371	10,697,920	12/27/2012	12/27/2042	Interest Rate Swaps			14309D-AC-4	Carlisle High Yield Partners Series 2007-10A Class A2B	1	11,793,371	10,697,920
57629*AD3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,500,000	10,313,111	12/27/2012	12/27/2042	Interest Rate Swaps			74982G-AE-1	Race Point VII CLO Ltd. Series 2012-7A Class B	1	10,500,000	10,313,111
57629*AD3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		28,266,272	27,807,439	12/27/2012	12/27/2042	Interest Rate Swaps			26250U-AC-9	Dryden Senior Loan Fund Series 2013-26A Class A	1	28,266,272	27,807,439
57629*AD3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,900,000	4,458,642	12/27/2012	12/27/2042	Interest Rate Swaps			67590B-AE-0	Octagon Inv Partners XVI Ltd Series 2013-1A Class C1	1	4,900,000	4,458,642
57629*AF8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	100,000,000	11,658,153	25,429,817	12/28/2012	12/28/2042	Interest Rate Swaps		13,806,281	38136B-AG-7	Goldentree Loan Opp III Ltd Sr Secured Nt Class A-1B-J	1	11,658,153	11,623,536
57629*AF8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,894,397	14,775,653	12/28/2012	12/28/2042	Interest Rate Swaps			55817U-AB-6	Madison Park Funding Ltd Series 2007-4A Class A1B	1	14,894,397	14,775,653
57629*AF8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,493,441	8,206,588	12/28/2012	12/28/2042	Interest Rate Swaps			26828C-AC-2	ECP CLO Ltd Series 2012-4A Class A2	1	8,493,441	8,206,588
57629*AF8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,129,091	8,756,760	12/28/2012	12/28/2042	Interest Rate Swaps			87155M-AC-5	Symphony CLO Ltd Series 2007-5A Class A2	1	9,129,091	8,756,760
57629*AF8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,735,100	6,536,885	12/28/2012	12/28/2042	Interest Rate Swaps			10302V-AG-0	Bowman Park CLO Ltd Series 2014-1A Class C	1	6,735,100	6,536,885
57629*AF8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,941,392	6,711,368	12/28/2012	12/28/2042	Interest Rate Swaps			55818X-AG-8	Madison Park Funding XVI Ltd Sr Secured Deferrable Nt Cl B	1	6,941,392	6,711,368
57629*AF8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		2,840,002	2,823,288	12/28/2012	12/28/2042	Interest Rate Swaps			05617A-AA-9	Babson CLO Ltd 2007-1 Series 2007-1A Class D1	1	2,840,002	2,823,288
57629*AF8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		50,000,000	49,474,750	12/28/2012	12/28/2042	Interest Rate Swaps			949496-AC-7	WELLFLEET CLO LTD Series 2015-1A Class A1	1	50,000,000	49,474,750
57629*AH4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	100,000,000	34,674,820	47,436,979	12/28/2012	12/28/2042	Interest Rate Swaps		13,806,281	67104L-AA-5	OH Loan Funding Ltd. Series 2013-2A Class A	1	34,674,820	33,630,698
57629*AH4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,150,000	8,825,678	12/28/2012	12/28/2042	Interest Rate Swaps			38137D-AC-1	Goldentree Loan Opp VII Ltd Sr Secured Nt Class B-1 144A	1	9,150,000	8,825,678
57629*AH4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		42,750,737	41,580,210	12/28/2012	12/28/2042	Interest Rate Swaps			92329X-AA-6	Venture XVI CLO Ltd Sr Secd Note Class A-1L 144A	1	42,750,737	41,580,210
57629*AH4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		17,900,000	17,055,872	12/28/2012	12/28/2042	Interest Rate Swaps			89852T-AC-2	Tryon Park CLO Ltd Series 2013-1A Class A2	1	17,900,000	17,055,872
57629*AG6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	100,000,000	9,325,000	23,133,715	12/28/2012	12/28/2042	Interest Rate Swaps		13,806,281	14310U-AC-3	Carlisle Global Mkt CLO 2014-4 Sr Secd Note Class A-1 Accd	1	9,325,000	9,327,434
57629*AG6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5,400,000	5,216,918	12/28/2012	12/28/2042	Interest Rate Swaps			38137D-AG-2	Goldentree Loan Opp VII Ltd Sr Secured Nt Class C-1 144A	1	5,400,000	5,216,918
57629*AG6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,100,000	9,827,169	12/28/2012	12/28/2042	Interest Rate Swaps			09626Y-AC-4	Bluemountain CLO 2013-2 Ltd Sr Secured Note Class B-1 144A	1	10,100,000	9,827,169
57629*AG6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,833,720	6,437,561	12/28/2012	12/28/2042	Interest Rate Swaps			74982L-AE-0	Race Point CLO Ltd. Series 2013-8A Class B	1	6,833,720	6,437,561
57629*AG6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,777,883	12,777,845	12/28/2012	12/28/2042	Interest Rate Swaps			33882W-AA-1	Flatiron CLO Ltd. Series 2011-1A Class A	1	12,777,883	12,777,845
57629*AG6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,385,447	12,525,741	12/28/2012	12/28/2042	Interest Rate Swaps			29108Q-AC-6	Emerson Park CLO Ltd Series 2013-1A Class B1	1	13,385,447	12,525,741
57629*AG6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,591,318	10,251,779	12/28/2012	12/28/2042	Interest Rate Swaps			67091H-AC-5	O H A Loan Funding LTD. Series 2012-1A Class B1	1	10,591,318	10,251,779
57629*AG6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5,023,379	4,738,420	12/28/2012	12/28/2042	Interest Rate Swaps			50184V-AG-9	L C M Ltd Partnership Series 14A Class C	1	5,023,379	4,738,420
57629*AG6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,917,515	4,588,725	12/28/2012	12/28/2042	Interest Rate Swaps			46617N-AE-7	JFIN CLO 2014-1I Ltd Sr Secd Deferrable Nt Class B	1	4,917,515	4,588,725
57629*AG6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,230,000	13,762,900	12/28/2012	12/28/2042	Interest Rate Swaps			00163E-AM-4	ALM VI Ltd Sr Secd Note Class A-2-R 144A	1	14,230,000	13,762,900
57629*AG6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,975,000	13,754,377	12/28/2012	12/28/2042	Interest Rate Swaps			55952U-AG-0	Magnetite VI Ltd Sr Secd Note Class B-R 144A	1	13,975,000	13,754,377
57629*AJU	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	50,000,000	15,282,425	21,591,065	12/28/2012	12/28/2042	Interest Rate Swaps		6,903,140	854432-AA-9	Stanford Street CLO Ltd Series 2014-1A Class A	1	15,282,425	14,687,925
57629*AJU	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,533,903	6,490,753	12/28/2012	12/28/2042	Interest Rate Swaps			803066-AG-4	Sapphire Valley CDO I Ltd Deferrable Mezz Note Cl D 144A	1	6,533,903	6,490,753
57629*AJU	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		20,025,235	19,615,463	12/28/2012	12/28/2042	Interest Rate Swaps			09625J-AA-2	Bluemountain CLO 2013-3 Ltd Sr Secured Note Class A 144A	1	20,025,235	19,615,463

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STATEMENT AS OF MARCH 31, 2016 OF THE Massachusetts Mutual Life Insurance Company

SCHEDULE DB - PART C - SECTION 1

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

Replication (Synthetic Asset) Transactions								Components of the Replication (Synthetic Asset) Transactions							
1	2	3	4	5	6	7	8	Derivative Instrument(s) Open			Cash Instrument(s) Held				
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9	10	11	12	13	14	15	16
								Description	Book/Adjusted Carrying Value	Fair Value	CUSIP	Description	NAIC Designation or Other Description	Book/Adjusted Carrying Value	Fair Value
57629*AJ0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,570,000	9,026,874	12/28/2012	12/28/2042	Interest Rate Swaps			568416-BD-2	MARINE PARK CLO LTD Sr Secd Deferrable Nt Cl B-R	1	9,570,000	9,026,874
57629*AK7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	50,000,000	7,153,161	14,057,630	12/28/2012	12/28/2042	Interest Rate Swaps	6,903,140		15135D-AC-1	Cent CDO Ltd Series 2007-14A Class B	1	7,153,161	7,154,490
57629*AK7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,000,000	11,469,084	12/28/2012	12/28/2042	Interest Rate Swaps			03765P-AC-7	APIDOS CLO XXI Sr Secured Note Class A-2 144A	1	12,000,000	11,469,084
57629*AK7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,725,000	11,383,334	12/28/2012	12/28/2042	Interest Rate Swaps			38137P-AE-0	Goldentree Loan Opp X Ltd Sr Secd Note Class B 144A	1	11,725,000	11,383,334
57629*AK7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,250,000	11,138,951	12/28/2012	12/28/2042	Interest Rate Swaps			04013Y-AQ-5	Ares XXIV CLO Ltd Sr Secd Note Class B-1-R	1	11,250,000	11,138,951
57629*AK7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,195,000	11,019,015	12/28/2012	12/28/2042	Interest Rate Swaps			26250D-AS-2	Dryden XXIV Senior Loan Fund Series 2012-24RA Class BR	1	11,195,000	11,019,015
57629*AK7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		1,462,616	1,345,620	12/28/2012	12/28/2042	Interest Rate Swaps			14311A-AG-7	Carlyle Global Market Strategi Series 2014-5A Class C	2	1,462,616	1,345,620
57629*AL5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	50,000,000	11,820,386	17,809,144	12/28/2012	12/28/2042	Interest Rate Swaps	6,903,140		14310D-AG-2	Carlyle Global Mkt CLO 2013-2 Mezz Secd Def Nt Class C 144A	1	11,820,386	10,906,004
57629*AL5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		23,750,582	22,865,637	12/28/2012	12/28/2042	Interest Rate Swaps			00164B-AC-1	ALM VII R 2 Ltd Sr Secured Note Class A-2 144A	1	23,750,582	22,865,637
57629*AL5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		17,625,000	17,398,660	12/28/2012	12/28/2042	Interest Rate Swaps			55952Y-AC-1	Magnetite VIII CLO Ltd Series 2014-8A Class B	1	17,625,000	17,398,660
57629*AM3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	50,000,000	18,805,639	25,197,626	12/28/2012	12/28/2042	Interest Rate Swaps	6,903,140		278287-AA-5	Eaton Vance CDO Ltd Series 2006-8A Class A	1	18,805,639	18,294,486
57629*AM3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,055,892	2,940,639	12/28/2012	12/28/2042	Interest Rate Swaps			871590-AN-8	Symphony CLO Ltd Series 2014-14A Class C1	1	3,055,892	2,940,639
57629*AM3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,772,714	10,543,447	12/28/2012	12/28/2042	Interest Rate Swaps			62953G-AC-5	MZCG Funding 2 Ltd Sr Secured Note Class A-2	1	10,772,714	10,543,447
57629*AM3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,581,901	9,973,225	12/28/2012	12/28/2042	Interest Rate Swaps			44987H-AC-1	VOYA CLO LTD Series 2014-1A Class A2A	1	10,581,901	9,973,225
57629*AM3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,000,000	9,574,950	12/28/2012	12/28/2042	Interest Rate Swaps			43132W-AC-4	Hildene CLO IV Ltd Series 2015-4A Class A2	1	10,000,000	9,574,950
57629*AN1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	50,000,000	7,000,000	13,316,146	12/31/2012	12/31/2042	Interest Rate Swaps	6,437,022		72349B-AE-4	Pinnacle Park CLO Ltd Series 2014-1A Class C	1	7,000,000	6,879,124
57629*AN1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		15,448,970	14,999,895	12/31/2012	12/31/2042	Interest Rate Swaps			09625Y-AD-3	Bluemountain CLO 2012-1 Ltd Sr Secured Note Class B 144A	1	15,448,970	14,999,895
57629*AN1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,054,723	3,043,358	12/31/2012	12/31/2042	Interest Rate Swaps			55818V-AC-1	Madison Park Funding Ltd 2014-15A Class A2	1	3,054,723	3,043,358
57629*AN1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		1,901,433	1,833,773	12/31/2012	12/31/2042	Interest Rate Swaps			04014J-AA-2	Ares XXVI CLO Ltd Series 2013-26A Class A	1	1,901,433	1,833,773
57629*AN1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,475,000	9,124,994	12/31/2012	12/31/2042	Interest Rate Swaps			262490-AG-3	Dryden Senior Loan Fund Series 2015-38A Class B	1	9,475,000	9,124,994
57629*AN1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,668,824	8,574,596	12/31/2012	12/31/2042	Interest Rate Swaps			39808P-AC-0	Greywolf CLO Ltd Series 2015-1A Class A2	1	8,668,824	8,574,596
57629*AN1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,625,000	8,232,235	12/31/2012	12/31/2042	Interest Rate Swaps			26829C-AC-1	ECP CLO 2015-7 Ltd Sr Secd Nt Class A-2 144A	1	8,625,000	8,232,235
57629*AP6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	50,000,000	5,819,810	11,753,706	12/31/2012	12/31/2042	Interest Rate Swaps	6,437,022		00248P-AE-6	A Voce CLO Ltd Series 2014-1A Class B	1	5,819,810	5,316,684
57629*AP6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,026,413	3,726,204	12/31/2012	12/31/2042	Interest Rate Swaps			67108F-AG-1	Ozlim Funding Ltd Series 2013-4A Class B	1	4,026,413	3,726,204
57629*AP6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		39,000,000	38,191,881	12/31/2012	12/31/2042	Interest Rate Swaps			223611-AA-5	Cowboys Stadium LP Senior Secured Note	2	39,000,000	38,191,881
57629*AP6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		1,537,380	1,443,840	12/31/2012	12/31/2042	Interest Rate Swaps			15015P-AB-1	Cedar Creek CLO Ltd Series 2013-1A Class B	1	1,537,380	1,443,840
57629*AP6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		1,151,047	1,059,616	12/31/2012	12/31/2042	Interest Rate Swaps			40536Y-AG-9	Halycon Loan Investors CLO LTD	1	1,151,047	1,059,616
57629*AP6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		967,941	991,460	12/31/2012	12/31/2042	Interest Rate Swaps			44983W-AD-0	J N G Investment Management Series 2007-5A Class B	1	967,941	991,460
57629*A04	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	50,000,000	37,552,174	41,985,656	12/31/2012	12/31/2042	Interest Rate Swaps	6,437,022		803066-AC-3	Sapphire Valley CDO I Ltd Sr Note Class B 144A	1	37,552,174	35,548,634
57629*A04	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,737,652	6,583,599	12/31/2012	12/31/2042	Interest Rate Swaps			67104L-AC-1	OHA Loan Funding Ltd Series 2013-2A Class C	1	6,737,652	6,583,599
57629*A04	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,555,707	4,194,678	12/31/2012	12/31/2042	Interest Rate Swaps			38137A-AJ-2	Goldentree Loan Opp VI Ltd Sr Secd Deferrable Nt Class D	3	4,555,707	4,194,678

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SCHEDULE DB - PART C - SECTION 1

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

Replication (Synthetic Asset) Transactions								Components of the Replication (Synthetic Asset) Transactions							
1	2	3	4	5	6	7	8	Derivative Instrument(s) Open			Cash Instrument(s) Held				
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9	10	11	12	13	14	15	16
								Description	Book/Adjusted Carrying Value	Fair Value	CUSIP	Description	NAIC Designation or Other Description	Book/Adjusted Carrying Value	Fair Value
57629*AR2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	4,020,177	3,992,707	3,992,707	12/31/2012	12/31/2042	Interest Rate Swaps			38136G-AE-1	Goldentree Loan Opp IV Ltd Sr Secured Nt Class A-2 144A	1	4,020,177	3,992,707
57629*AR2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	50,000,000	20,912,205	24,657,406	12/31/2012	12/31/2042	Interest Rate Swaps		6,437,022	B000XF-V8-9	St Pauls CLO I B.V. Series 2007-1X Class A	1	20,912,205	18,220,384
57629*AR2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5,723,106	5,532,129	12/31/2012	12/31/2042	Interest Rate Swaps			67706H-AG-3	QHA Loan Funding Ltd Series 2013-1A Class C	1	5,723,106	5,532,129
57629*AR2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,535,189	9,775,670	12/31/2012	12/31/2042	Interest Rate Swaps			39808F-AC-2	Greywolf CLO Ltd Series 2014-1A Class A2	1	9,535,189	9,775,670
57629*AR2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,925,419	3,779,256	12/31/2012	12/31/2042	Interest Rate Swaps			804075-AE-9	Saturn CLO LTD Series 2007-1A Class B	1	3,925,419	3,779,256
57629*AR2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,603,553	3,627,964	12/31/2012	12/31/2042	Interest Rate Swaps			803066-AE-9	Sapphire Valley CDO I Ltd Deferrable Mezz Note Cl C 144A	1	3,603,553	3,627,964
57629*AR2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,700,000	3,699,486	12/31/2012	12/31/2042	Interest Rate Swaps			67108B-AC-9	Ozlim Funding Ltd. Series 2012-2A Class A2	1	3,700,000	3,699,486
57629*AR2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,700,000	3,560,750	12/31/2012	12/31/2042	Interest Rate Swaps			24823B-AC-4	Denali Capital CLO X Ltd Series 2013-1A Class A2L	1	3,700,000	3,560,750
57629*AS0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	50,000,000	12,375,849	18,743,226	12/31/2012	12/31/2042	Interest Rate Swaps		6,437,022	15134D-AA-6	Cent CDO XI Limited Series 2006-11A Class A1	1	12,375,849	12,306,204
57629*AS0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,208,257	8,620,785	12/31/2012	12/31/2042	Interest Rate Swaps			46616K-AE-4	JFIN CLO 2013 Ltd Sr Secd Deferrable Nt Class B	1	9,208,257	8,620,785
57629*AS0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,704,646	10,781,850	12/31/2012	12/31/2042	Interest Rate Swaps			03764D-AD-3	Apidos CDO Series 2013-12A Class C	1	11,704,646	10,781,850
57629*AS0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,600,000	10,394,212	12/31/2012	12/31/2042	Interest Rate Swaps			006897-AE-2	Adirondack Park CLO Ltd. Series 2013-1A Class B	1	10,600,000	10,394,212
57629*AS0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,000,000	9,504,780	12/31/2012	12/31/2042	Interest Rate Swaps			50188Q-AE-1	LCM XIX Ltd Partnership Series 19A Class C	1	10,000,000	9,504,780
57629*AT8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	50,000,000	5,071,223	10,967,395	12/31/2012	12/31/2042	Interest Rate Swaps		6,437,022	15136R-AJ-4	Cent CLO 18 Limited Series 2013-18A Class C1	1	5,071,223	4,530,373
57629*AT8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,021,938	6,857,482	12/31/2012	12/31/2042	Interest Rate Swaps			74982G-AC-5	Race Point VII CLO Ltd. Series 2012-7A Class A	1	7,021,938	6,857,482
57629*AT8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		17,250,000	16,564,192	12/31/2012	12/31/2042	Interest Rate Swaps			27830D-AC-4	Eaton Vance CDO Ltd Series 2014-1A Class B	1	17,250,000	16,564,192
57629*AT8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,064,264	2,858,598	12/31/2012	12/31/2042	Interest Rate Swaps			74982L-AG-5	Race Point CLO Ltd. Series 2013-8A Class C	1	3,064,264	2,858,598
57629*AT8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		21,750,000	21,668,351	12/31/2012	12/31/2042	Interest Rate Swaps			39808P-AA-4	Greywolf CLO Ltd Series 2015-1A Class A1	1	21,750,000	21,668,351
57629*AI1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	55,000,000	28,316,248	35,167,870	04/09/2013	04/09/2043	Interest Rate Swaps		7,859,216	04014J-AA-2	Ares XXVI CLO Ltd. Series 2013-26A Class A	1	28,316,248	27,308,654
57629*AI1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		2,990,944	3,122,896	04/09/2013	04/09/2043	Interest Rate Swaps			26249W-AD-7	Dryden Leveraged Loan CDO Series 2006-11A Class A3	1	2,990,944	3,122,896
57629*AI1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,516,641	12,046,783	04/09/2013	04/09/2043	Interest Rate Swaps			14954W-AC-0	Cavalry CLO Ltd Series 2013-3A Class B	1	12,516,641	12,046,783
57629*AI1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,225,000	6,134,053	04/09/2013	04/09/2043	Interest Rate Swaps			67106J-AG-5	Oak Hill Credit Partners Series 2014-10A Class C	1	6,225,000	6,134,053
57629*AI1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,315,887	6,128,843	04/09/2013	04/09/2043	Interest Rate Swaps			43132R-AA-9	Hi Idene CLO Ltd Series 2013-1A Class A	1	6,315,887	6,128,843
57629*AV3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	60,000,000	22,400,000	29,991,988	04/09/2013	04/09/2043	Interest Rate Swaps		8,573,690	04941G-AC-2	Atlas Senior Loan Fund III Ltd Series 2013-1A Class B	1	22,400,000	21,418,298
57629*AV3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,150,000	8,825,678	04/09/2013	04/09/2043	Interest Rate Swaps			38137D-AC-1	Goldentree Loan Opp VII Ltd Sr Secured Nt Class B-1 144A	1	9,150,000	8,825,678
57629*AV3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,792,509	3,638,236	04/09/2013	04/09/2043	Interest Rate Swaps			09625Y-AG-6	Bluemountain CLO 2012-1 Ltd Sr Sec Def Note Class C 144A	1	3,792,509	3,638,236
57629*AV3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		23,000,000	22,348,456	04/09/2013	04/09/2043	Interest Rate Swaps			09626U-AC-2	Bluemountain CLO 2013-1 Ltd Sr Secured Note Class A-2 144A	1	23,000,000	22,348,456
57629*AV3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,001,527	2,801,070	04/09/2013	04/09/2043	Interest Rate Swaps			13124B-AE-6	Callidus Debt Partners CDO Fnd Series 6A Class A2	1	3,001,527	2,801,070
57629*AX9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	55,000,000	15,981,718	23,666,868	04/09/2013	04/09/2043	Interest Rate Swaps		7,820,100	38136B-AE-2	Goldentree Loan Opp III Ltd Series 2007-3A Class A1B5	1	15,981,718	15,846,768
57629*AX9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,836,472	7,391,935	04/09/2013	04/09/2043	Interest Rate Swaps			50184V-AG-9	L C M Ltd Partnership Series 14A Class C	1	7,836,472	7,391,935
57629*AX9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		17,100,000	16,951,179	04/09/2013	04/09/2043	Interest Rate Swaps			55818P-AC-4	Madison Park Funding Ltd Series 2014-12A Class B1	1	17,100,000	16,951,179

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STATEMENT AS OF MARCH 31, 2016 OF THE Massachusetts Mutual Life Insurance Company

SCHEDULE DB - PART C - SECTION 1

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

Replication (Synthetic Asset) Transactions								Components of the Replication (Synthetic Asset) Transactions							
1	2	3	4	5	6	7	8	Derivative Instrument(s) Open			Cash Instrument(s) Held				
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9	10	11	12	13	14	15	16
								Description	Book/Adjusted Carrying Value	Fair Value	CUSIP	Description	NAIC Designation or Other Description	Book/Adjusted Carrying Value	Fair Value
57629*AX9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,500,000	12,251,250	04/09/2013	04/09/2043	Interest Rate Swaps			501886-AE-3	LCM XVIII Ltd Partnership Sr Nt Class B-1 144A	1	12,500,000	12,251,250
57629*AX9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,127,294	2,952,513	04/09/2013	04/09/2043	Interest Rate Swaps			67104L-AB-3	OH Loan Funding Ltd. Series 2013-2A Class B	1	3,127,294	2,952,513
57629*AY7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		55,000,000	20,506,311	04/09/2013	04/09/2043	Interest Rate Swaps		7,820,100	27829K-AE-7	Eaton Vance CDO Ltd Series 2007-10A Class B2	1	20,506,311	19,379,304
57629*AY7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		2,100,000	2,040,511	04/09/2013	04/09/2043	Interest Rate Swaps			09626U-AC-2	Bluemountain CLO 2013-1 Ltd Sr Secured Note Class A-2 144A	1	2,100,000	2,040,511
57629*AY7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,123,971	3,029,620	04/09/2013	04/09/2043	Interest Rate Swaps			50184V-AC-8	L C M Ltd Partnership Series 14A Class A	1	3,123,971	3,029,620
57629*AY7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,610,000	8,425,479	04/09/2013	04/09/2043	Interest Rate Swaps			860444-AC-2	Stewart Park CLO Ltd Sr Secured Note Class B 144A	1	8,610,000	8,425,479
57629*AY7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,574,891	7,949,136	04/09/2013	04/09/2043	Interest Rate Swaps			26829C-AJ-6	ECP CLO 2015-7 Ltd Sr Secd Deferrable Nt Cl B-1	1	8,574,891	7,949,136
57629*AY7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,500,000	7,320,592	04/09/2013	04/09/2043	Interest Rate Swaps			568416-BB-6	MARINE PARK CLO LTD Sr Secd Note Class A-2-R 144A	1	7,500,000	7,320,592
57629*AY7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,000,000	6,811,959	04/09/2013	04/09/2043	Interest Rate Swaps			50188Q-AC-5	LCM XIX Ltd Partnership Series 19A Class B	1	7,000,000	6,811,959
57629*AY7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,825,000	4,727,130	04/09/2013	04/09/2043	Interest Rate Swaps			89473L-AB-0	TREMAN PARK CLO LTD Sr Secd Nt Class B-1 144A	1	4,825,000	4,727,130
57629*AU5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		55,000,000	20,024,316	04/09/2013	04/09/2043	Interest Rate Swaps		7,893,589	05617G-AB-4	Babson CLO Ltd. 2011-1 Series 2011-1A Class A2	1	20,024,316	19,618,682
57629*AU5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		16,951,617	16,193,149	04/09/2013	04/09/2043	Interest Rate Swaps			54303P-AB-1	Longfellow Place CLO LTD Series 2013-1A Class B	1	16,951,617	16,193,149
57629*AU5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		19,167,236	18,770,771	04/09/2013	04/09/2043	Interest Rate Swaps			36319D-AE-1	Galaxy XI CLO Ltd Senior Note Class B 144A	1	19,167,236	18,770,771
57629*BA8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		60,000,000	37,988,094	04/09/2013	04/09/2043	Interest Rate Swaps		8,611,189	04941G-AA-6	Atlas Senior Loan Fund III Ltd Series 2013-1A Class A	1	37,988,094	37,420,766
57629*BA8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		25,241,308	24,217,069	04/09/2013	04/09/2043	Interest Rate Swaps			14310G-AA-8	Carlyle Global Mkt CLO 2013-3 Sr Secd Note Class A-1 144A	1	25,241,308	24,217,069
57629*BB6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		50,000,000	55,800,000	04/09/2013	04/09/2043	Interest Rate Swaps		7,185,858	54303P-AA-3	Longfellow Place CLO LTD Series 2013-1A Class A	1	55,800,000	55,043,966
57629*AZ4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		50,000,000	55,800,000	04/09/2013	04/09/2043	Interest Rate Swaps		7,185,858	54303P-AA-3	Longfellow Place CLO LTD Series 2013-1A Class A	1	55,800,000	55,043,966
92553PA*3	Viacom, Inc. Senior Note	2		20,000,000	23,844,040	12/20/2013	03/20/2019	5 Yr Credit Default Swap	344,040	103,523	Q3915#-AB-2	Fletcher Building Intl LP Gtd Senior Note Series B	2	23,500,000	26,127,347
57629*BD2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		100,000,000	111,982,812	03/05/2014	03/05/2034	Interest Rate Swaps		22,017,970	872455-AA-8	TICP CLO Ltd Series 2014-1A Class A1	1	111,982,812	108,097,000
57629*BC4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		100,000,000	101,882,835	03/05/2014	03/05/2034	Interest Rate Swaps		22,049,590	854432-AA-9	Stanford Street CLO Ltd Series 2014-1A Class A	1	101,882,835	97,919,500
57629*BC4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5,172,042	4,330,385	03/05/2014	03/05/2034	Interest Rate Swaps			40537X-AE-5	Halcyon Loan Advisors Fnd Ltd Series 2013-1A Class B	1	5,172,042	4,330,385
57629*BE0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		150,000,000	164,413,817	05/19/2014	05/19/2044	Interest Rate Swaps		38,327,893	09627L-AA-5	Bluemountain CLO 2014-1 Ltd Sr Secured Note Class A 144A	1	164,413,817	160,698,203
57629*BF7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		125,000,000	85,366,338	05/19/2014	05/19/2034	Interest Rate Swaps		22,994,387	43132R-AA-9	Hi Idene CLO Ltd Series 2013-1A Class A	1	85,366,338	82,838,227
57629*BF7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		40,811,085	37,441,642	05/19/2014	05/19/2034	Interest Rate Swaps			49638W-AD-8	Kingsland Ltd Series 2013-6A Class B	1	40,811,085	37,441,642
57629*BF7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,243,753	12,546,950	05/19/2014	05/19/2034	Interest Rate Swaps			26249E-AC-9	Dryden Senior Loan Fund Series 2014-31A Class B	1	13,243,753	12,546,950
57629*BG5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		150,000,000	156,000,000	05/19/2014	05/19/2044	Interest Rate Swaps		38,657,552	05363U-AC-7	Avery Point CLO Ltd Series 2014-1A Class A	1	156,000,000	155,470,692
57629*BH3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		150,000,000	149,750,000	05/19/2014	05/19/2044	Interest Rate Swaps		38,598,382	04941M-AA-3	Atlas Senior Loan Fund Ltd Series 2014-1A Class A	1	149,750,000	148,627,175
57629*BH3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,741,316	8,412,174	05/19/2014	05/19/2044	Interest Rate Swaps			03765D-AE-0	Apidos CDO Series 2014-18A Class B	1	8,741,316	8,412,174
57629*BJ9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		150,000,000	142,832,349	05/19/2014	05/19/2044	Interest Rate Swaps		38,192,649	49638W-AB-2	Kingsland Ltd Series 2013-6A Class A1	1	142,832,349	137,027,660
57629*BJ9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,459,479	4,342,545	05/19/2014	05/19/2044	Interest Rate Swaps			639107-AE-1	Nautique Funding Ltd Series 2006-1A Class A3	1	4,459,479	4,342,545
57629*BJ9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,990,217	3,932,909	05/19/2014	05/19/2044	Interest Rate Swaps			82835A-AE-6	Silverado CLO Ltd Series 2006-2A Class A1J	1	3,990,217	3,932,909

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SCHEDULE DB - PART C - SECTION 1

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

Replication (Synthetic Asset) Transactions								Components of the Replication (Synthetic Asset) Transactions							
1	2	3	4	5	6	7	8	Derivative Instrument(s) Open			Cash Instrument(s) Held				
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9	10	11	12	13	14	15	16
								Description	Book/Adjusted Carrying Value	Fair Value	CUSIP	Description	NAIC Designation or Other Description	Book/Adjusted Carrying Value	Fair Value
57629*BJ9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,059,732	11,261,754	05/19/2014	05/19/2044	Interest Rate Swaps			05617W-AA-1	BABSON CLO LTD. 2013-I Kingsland Ltd Series 2014-7A Class A	1	11,059,732	11,261,754
57629*BK6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	150,000,000	145,350,295	178,811,127	05/19/2014	05/19/2044	Interest Rate Swaps		38,192,649	49638Y-AA-0	Galaxy XVII CLO Ltd Sr Note Class B 144A	1	145,350,295	140,618,478
57629*BK6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		18,730,861	17,493,796	05/19/2014	05/19/2044	Interest Rate Swaps			36320D-AC-2	GT Loan Financing Ltd. Series 2013-1A Class A	1	18,730,861	17,493,796
57629*BL4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	150,000,000	40,826,894	77,922,311	05/19/2014	05/19/2044	Interest Rate Swaps		38,260,271	36248M-AA-5	JFIN CLO 2014-II Ltd Sr Secured Note Class A-1 144A	1	40,826,894	39,662,040
57629*BL4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		77,000,000	75,442,983	05/19/2014	05/19/2044	Interest Rate Swaps			46617N-AA-5	L C M Ltd Partnership Series 14A Class A	1	77,000,000	75,442,983
57629*BL4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		32,602,652	31,617,984	05/19/2014	05/19/2044	Interest Rate Swaps			50184V-AC-8	Symphony CLO LTD Series 2013-12A Class B1	1	32,602,652	31,617,984
57629*BL4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		1,764,456	1,648,583	05/19/2014	05/19/2044	Interest Rate Swaps			87159F-AB-8	CVP Cascade Clo Ltd Series 2013-CL01 Class A1	1	1,764,456	1,648,583
57629*BM2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	150,000,000	122,657,924	156,639,498	05/19/2014	05/19/2044	Interest Rate Swaps		38,277,177	126612-AA-8	Goldentree Loan Opp VIII Ltd Sr Secured Nt Class A 144A	1	122,657,924	118,362,321
57629*BM2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		32,804,143	32,134,099	05/19/2014	05/19/2044	Interest Rate Swaps			38137L-AA-7	KVK CLO LTD Series 2014-1A Class A1	1	32,804,143	32,134,099
57629*BNO	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	135,000,000	112,176,712	142,999,864	05/19/2014	05/19/2044	Interest Rate Swaps		34,921,124	48274L-AA-9	KVK CLO LTD Series 2014-1A Class B	1	112,176,712	108,078,740
57629*BNO	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		33,664,999	31,408,962	05/19/2014	05/19/2044	Interest Rate Swaps			48274L-AC-5	Ozlm Ltd Series 2014-6A Class A1 KVK Clo Ltd Series 2013-2A Class A	1	33,664,999	31,408,962
57629*BP5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	85,000,000	94,835,774	109,477,252	05/09/2014	05/09/2034	Interest Rate Swaps		17,107,472	67108L-AA-1	CVP Cascade CLO Ltd Series 2014-2A Class A1	1	94,835,774	92,369,780
57629*BQ3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	60,000,000	67,687,448	81,625,900	06/05/2014	06/05/2044	Interest Rate Swaps		16,689,855	48274H-AA-8	Commercial Indus Finance Corp Series 2007-3A Class A1J Symphony CLO LTD Series 2013-12A Class A	1	67,687,448	64,936,045
57629*BR1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	131,968,194	158,572,116	07/22/2014	07/22/2044	Interest Rate Swaps		31,285,736	126611-AA-0	CVP Cascade CLO Ltd Series 2014-2A Class A1	1	131,968,194	127,286,380
57629*BT7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	24,363,359	54,798,912	07/22/2014	07/22/2044	Interest Rate Swaps		31,299,888	126611-AA-0	CVP Cascade CLO Ltd Series 2014-2A Class A1	1	24,363,359	23,499,024
57629*BT7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		22,672,481	22,544,508	07/22/2014	07/22/2044	Interest Rate Swaps			17178N-AC-3	Commercial Indus Finance Corp Series 2007-3A Class A1J Symphony CLO LTD Series 2013-12A Class A	1	22,672,481	22,544,508
57629*BT7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		39,235,149	38,371,296	07/22/2014	07/22/2044	Interest Rate Swaps			87159F-AA-0	Cavalry CLO Ltd Series 2013-3A Class A	1	39,235,149	38,371,296
57629*BT7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		25,448,825	24,647,625	07/22/2014	07/22/2044	Interest Rate Swaps			14954W-AA-4	Dryden Senior Loan Fund Series 2013-30A Class A	1	25,448,825	24,647,625
57629*AX9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,748,910	7,502,446	04/09/2013	04/09/2043	Interest Rate Swaps			26249B-AA-9	Dryden 36 Senior Loan Fund Sr Secd Deferrable Nt Class C	1	7,748,910	7,502,446
57629*AX9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		2,250,503	2,184,898	04/09/2013	04/09/2043	Interest Rate Swaps			26249K-AE-1	Dryden Senior Loan Fund Series 2012-25A Class B1	1	2,250,503	2,184,898
57629*AX9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,500,000	7,373,610	04/09/2013	04/09/2043	Interest Rate Swaps			26250J-AB-6	TICP CLO II Ltd Sr Secured Note Class A-1A	1	7,500,000	7,373,610
57629*BU4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	39,015,852	68,960,308	07/22/2014	07/22/2044	Interest Rate Swaps		31,299,888	87247C-AA-1	Octagon Inv Partners XVI Ltd Series 2013-1A Class A	1	39,015,852	37,660,420
57629*BU4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,021,801	8,801,063	07/22/2014	07/22/2044	Interest Rate Swaps			67590B-AA-8	Avery Point CLO Ltd Series 2014-1A Class B1	1	9,021,801	8,801,063
57629*BU4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		25,000,000	24,637,400	07/22/2014	07/22/2044	Interest Rate Swaps			05363U-AE-3	Bluemountain CLO 2014-1 Ltd Sr Secured Note Class B-1 144A	1	25,000,000	24,637,400
57629*BU4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		25,481,917	24,458,050	07/22/2014	07/22/2044	Interest Rate Swaps			09627L-AC-1	Madison Park Funding Ltd. Series 2013-11A Class B1	1	25,481,917	24,458,050
57629*BU4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,320,281	9,517,490	07/22/2014	07/22/2044	Interest Rate Swaps			55818K-AG-6	Apidos CLO XX Mezzanine Deferrable Note Cl C	1	10,320,281	9,517,490
57629*BU4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,422,867	4,078,870	07/22/2014	07/22/2044	Interest Rate Swaps			03765L-AG-7	Babson CLO Ltd 2012-1 Series 2012-1A Class C	1	4,422,867	4,078,870
57629*BU4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,311,661	4,248,477	07/22/2014	07/22/2044	Interest Rate Swaps			05617L-AD-9	Symphony CLO Ltd Series 2011-7A Class B	1	4,311,661	4,248,477
57629*BU4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5,900,000	5,881,574	07/22/2014	07/22/2044	Interest Rate Swaps			87159F-AC-7	KVK Clo Ltd Series 2013-2A Class A	1	5,900,000	5,881,574
57629*BU4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,072,048	2,947,173	07/22/2014	07/22/2044	Interest Rate Swaps			48274H-AA-8	Wind River CLO Ltd Series 2013-1A Class A2	1	3,072,048	2,947,173
57629*BU4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		1,549,613	1,450,953	07/22/2014	07/22/2044	Interest Rate Swaps			87244D-AC-8		1	1,549,613	1,450,953

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SCHEDULE DB - PART C - SECTION 1

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

Replication (Synthetic Asset) Transactions								Components of the Replication (Synthetic Asset) Transactions							
1	2	3	4	5	6	7	8	Derivative Instrument(s) Open			Cash Instrument(s) Held				
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	Description	Book/Adjusted Carrying Value	Fair Value	CUSIP	Description	NAIC Designation or Other Description	Book/Adjusted Carrying Value	Fair Value
57629*BV2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	25,134,993	55,481,769	07/22/2014	07/22/2044	Interest Rate Swaps		31,243,278	828428-AA-0	Silvermore Clo Ltd Series 2014-1A Class A1	1	25,134,993	24,238,491
57629*BV2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		24,689,105	23,516,720	07/22/2014	07/22/2044	Interest Rate Swaps			03764D-AB-7	Apidos CDO Series 2013-12A Class B1	1	24,689,105	23,516,720
57629*BV2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		22,703,107	20,552,642	07/22/2014	07/22/2044	Interest Rate Swaps			49638W-AE-6	Kingsland Ltd Series 2013-6A Class C	1	22,703,107	20,552,642
57629*BV2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		20,654,983	19,500,600	07/22/2014	07/22/2044	Interest Rate Swaps			67104L-AB-3	OHA Loan Funding Ltd. Series 2013-2A Class B	1	20,654,983	19,500,600
57629*BV2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		23,583,894	23,162,255	07/22/2014	07/22/2044	Interest Rate Swaps			09627R-AA-2	Bluemountain CLO 2014-3 Ltd Sr Secured Note Class A-1 144A	1	23,583,894	23,162,255
57629*BV2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		15,000,000	14,363,160	07/22/2014	07/22/2044	Interest Rate Swaps			05363U-AJ-2	Avery Point CLO Ltd Series 2014-1A Class C	1	15,000,000	14,363,160
57629*B10	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	23,602,456	54,261,538	07/22/2014	07/22/2044	Interest Rate Swaps		31,257,430	67590R-AC-9	Octagon Loan Funding Ltd Series 2014-1A Class A1	1	23,602,456	23,004,108
57629*B10	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		23,495,802	22,886,612	07/22/2014	07/22/2044	Interest Rate Swaps			38137D-AA-5	Goldentree Loan Opp VIII Ltd Sr Secured Nt Class A 144A	1	23,495,802	22,886,612
57629*B10	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		22,905,197	22,122,845	07/22/2014	07/22/2044	Interest Rate Swaps			67108F-AA-4	Ozlm Funding Ltd Series 2013-4A Class A1	1	22,905,197	22,122,845
57629*B10	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		22,400,000	21,194,208	07/22/2014	07/22/2044	Interest Rate Swap			05363S-AC-2	Avery Point II CLO Limited Series 2013-2A Class B1	1	22,400,000	21,194,208
57629*B10	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		22,232,178	21,498,039	07/22/2014	07/22/2044	Interest Rate Swap			50183J-AB-8	LOM Ltd Partnership Series 9A Class B	1	22,232,178	21,498,039
57629*B10	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		20,347,270	19,228,200	07/22/2014	07/22/2044	Interest Rate Swap			43132R-AC-5	Hi Idene CLO Ltd Series 2013-1A Class B1	1	20,347,270	19,228,200
57629*B10	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		30,000,000	28,539,620	08/18/2014	08/18/2044	Interest Rate Swap		7,095,538	72349B-AC-8	Pinnacle Park CLO Ltd Series 2014-1A Class B	1	22,000,000	21,444,082
57629*B10	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,725,584	12,503,450	08/18/2014	08/18/2044	Interest Rate Swap			87155F-AL-0	Symphony CLO Ltd Series 2006-2A Class A3	1	12,725,584	12,503,450
57629*BZ3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	50,000,000	20,146,470	30,606,369	08/27/2014	08/27/2044	Interest Rate Swap		11,418,454	26249G-AB-6	Dryden 33 Senior Loan Fund Series 2014-33A Class B	1	20,146,470	19,187,915
57629*BZ3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		20,067,321	18,730,020	08/27/2014	08/27/2044	Interest Rate Swap			87245S-AE-0	TICOP CLO Ltd Series 2014-1A Class A2B	1	20,067,321	18,730,020
57629*BZ3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,000,000	12,765,545	08/27/2014	08/27/2044	Interest Rate Swap			50183U-AH-0	LOM Ltd Partnership Series 10AR Class BR	1	13,000,000	12,765,545
57629*CA7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	50,000,000	19,525,005	30,149,113	08/27/2014	08/27/2044	Interest Rate Swap		11,441,160	38137L-AJ-8	Goldentree Loan Opp VIII Ltd Sr Secured Nt Class B-1 144A	1	19,525,005	18,707,953
57629*CA7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		19,531,103	18,712,805	08/27/2014	08/27/2044	Interest Rate Swap			67108L-AC-7	Ozlm Ltd Series 2014-6A Class A2A	1	19,531,103	18,712,805
57629*CA7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		18,900,000	18,746,022	08/27/2014	08/27/2044	Interest Rate Swap			74982N-AB-2	Race Point CLO Ltd. Series 2011-5AR Class BR	1	18,900,000	18,746,022
57629*CB5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	50,000,000	18,650,000	29,462,605	08/27/2014	08/27/2044	Interest Rate Swap		11,384,395	05363X-AE-7	Avery Point CLO Ltd Series 2014-5A Class B	1	18,650,000	18,078,210
57629*CB5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		19,031,671	18,258,656	08/27/2014	08/27/2044	Interest Rate Swap			03765D-AC-4	Apidos CDO Series 2014-18A Class A2A	1	19,031,671	18,258,656
57629*CB5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		18,500,000	18,121,712	08/27/2014	08/27/2044	Interest Rate Swap			04941M-AB-1	Atlas Senior Loan Fund Ltd Series 2014-1A Class B	1	18,500,000	18,121,712
57629*CC3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	50,000,000	18,500,000	29,357,851	08/27/2014	08/27/2044	Interest Rate Swap		11,344,660	67106J-AE-0	Oak Hill Credit Partners Series 2014-10A Class B	1	18,500,000	18,013,191
57629*CC3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		18,820,545	17,773,098	08/27/2014	08/27/2044	Interest Rate Swap			49638Y-AC-6	Kingsland Ltd Series 2014-7A Class B	1	18,820,545	17,773,098
57629*CC3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		18,507,544	18,167,133	08/27/2014	08/27/2044	Interest Rate Swap			04015B-AC-4	Ares XXXI CLO Ltd Series 2014-31A Class A2	1	18,507,544	18,167,133
57629*CD1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	30,000,000	18,584,296	24,626,538	09/04/2014	09/04/2044	Interest Rate Swap		6,716,837	096260-AC-1	Bluemountain CLO 2014-2 Ltd Sr Secured Note Class B-1 144A	1	18,584,296	17,909,701
57629*CD1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		16,851,017	15,704,758	09/04/2014	09/04/2044	Interest Rate Swap			14954T-AC-7	Cavalry CLO Ltd Series 2A Class B1	1	16,851,017	15,704,758
57629*CE9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	150,000,000	63,736,768	95,525,834	09/08/2014	09/08/2044	Interest Rate Swap		34,117,459	48274L-AA-9	KVK CLO LTD Series 2014-1A Class A1	1	63,736,768	61,408,375
57629*CE9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		20,103,305	19,951,408	09/08/2014	09/08/2044	Interest Rate Swap			40536Y-AC-8	Halcyon Loan Investors CLO Ltd Series 2007-2A Class A1S	1	20,103,305	19,951,408
57629*CE9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,944,685	6,827,429	09/08/2014	09/08/2044	Interest Rate Swap			69841B-AC-7	Pangaea CLO Ltd Series 2007-1A Class A2	1	6,944,685	6,827,429

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SCHEDULE DB - PART C - SECTION 1

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

Replication (Synthetic Asset) Transactions								Components of the Replication (Synthetic Asset) Transactions							
1	2	3	4	5	6	7	8	Derivative Instrument(s) Open			Cash Instrument(s) Held				
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9	10	11	12	13	14	15	16
								Description	Book/Adjusted Carrying Value	Fair Value	CUSIP	Description	NAIC Designation or Other Description	Book/Adjusted Carrying Value	Fair Value
57629*CE9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		60,000,000	59,369,700	09/08/2014	09/08/2044	Interest Rate Swap			949496-AC-7	WELLFLEET CLO LTD Series 2015-1A Class A1	1	60,000,000	59,369,700
57629*CE9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,330,000	4,330,000	09/08/2014	09/08/2044	Interest Rate Swap			55954E-AJ-8	MAGNETITE CLO LTD Limerock CLO Series 2014-2A Class B1	1	4,330,000	4,330,000
57629*CF6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	30,000,000	18,459,747	25,178,092	09/17/2014	09/17/2044	Interest Rate Swap		8,034,856	532621-AC-3	Carlisle Global Mkt CLO 2013-4 Sr Secd Note Clas A-1 144A	1	18,459,747	17,143,236
57629*CF6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		18,000,000	17,902,008	09/17/2014	09/17/2044	Interest Rate Swap			14310K-AC-5	Galaxy XVII CLO Ltd Class C	1	18,000,000	17,902,008
57629*CG4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	55,000,000	9,262,811	17,116,906	10/06/2014	10/06/2034	Interest Rate Swap		8,841,257	36320D-AE-8	Deferrab Mezz Floating Madison Park Funding Ltd Series 2014-14A Class C1	1	9,262,811	8,275,649
57629*CG4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,300,000	9,178,440	10/06/2014	10/06/2034	Interest Rate Swap			55818R-AJ-5	Babson CLO Ltd 2013-1 Series 2013-1A Class B	1	9,300,000	9,178,440
57629*CG4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,401,535	8,957,197	10/06/2014	10/06/2034	Interest Rate Swap			05617W-AC-7	Atlas Senior Loan Fund III Ltd Series 2013-1A Class C	1	9,401,535	8,957,197
57629*CG4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,432,403	8,541,262	10/06/2014	10/06/2034	Interest Rate Swap			04941G-AE-8	Dryden 33 Senior Loan Fund Sr Secd Deferrable Nt Class D	3	9,432,403	8,541,262
57629*CG4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,635,833	4,060,636	10/06/2014	10/06/2034	Interest Rate Swap			26249G-AD-2	CHA Loan Funding 2015-1 Ltd Mezz Secd Deferrable Nt Cl D	2	4,635,833	4,060,636
57629*CG4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,239,241	3,816,916	10/06/2014	10/06/2034	Interest Rate Swap			67109B-AJ-3	ALM LOAN FUNDING Series 14-14A Class A2	1	4,239,241	3,816,916
57629*CG4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,105,757	3,985,917	10/06/2014	10/06/2034	Interest Rate Swap			00164K-AC-1	LCM XVIII Ltd Partnership Series 18A Class D	3	4,105,757	3,985,917
57629*CG4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,803,835	3,355,549	10/06/2014	10/06/2034	Interest Rate Swap			50188G-AN-3	Babson CLO Ltd 2015-1 Sr Secd Deferrable Note Cl D-1	1	3,803,835	3,355,549
57629*CG4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,680,347	3,224,195	10/06/2014	10/06/2034	Interest Rate Swap			05616Z-AG-5	Babson CLO 2013-1IA Series 2013-1IA Class A2	1	3,680,347	3,224,195
57629*CH2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	100,000,000	17,186,871	38,285,772	10/06/2014	10/06/2044	Interest Rate Swap		22,100,845	05617Y-AC-3	Babson CLO Ltd 2014-111 Sr Secd Term Note Cl B-1 144A	1	17,186,871	16,184,927
57629*CH2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		20,772,266	20,139,497	10/06/2014	10/06/2044	Interest Rate Swap			05618M-AE-4	Inwood Park CDO Ltd Series 2006-1A Class B	1	20,772,266	20,139,497
57629*CH2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,662,511	9,716,402	10/06/2014	10/06/2044	Interest Rate Swap			46186G-AG-8	Bluemountain CLO 2014-3 Ltd Sr Sec Def Note Class B 144A	1	9,662,511	9,716,402
57629*CH2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,293,240	9,104,072	10/06/2014	10/06/2044	Interest Rate Swap			09627R-AE-4	Octagon Inv Partners XII Ltd Series 2012-1AR Class B1R	1	9,293,240	9,104,072
57629*CH2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5,300,000	5,187,412	10/06/2014	10/06/2044	Interest Rate Swap			67572N-AW-6	Babson CLO Ltd 2014-1 Class A-2 144A	1	5,300,000	5,187,412
57629*CH2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,513,064	12,688,488	10/06/2014	10/06/2044	Interest Rate Swap			05618D-AC-8	A Voce CLO Ltd Series 2014-1A Class A2A	1	13,513,064	12,688,488
57629*CH2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,069,026	11,186,583	10/06/2014	10/06/2044	Interest Rate Swap			00248P-AC-0	Wasatch Ltd Series 2006-1A Class A1B	1	12,069,026	11,186,583
57629*CH2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,805,300	9,353,437	10/06/2014	10/06/2044	Interest Rate Swap			93677P-AB-7	Symphony CLO Ltd Series 2014-14A Class B1	1	9,805,300	9,353,437
57629*CH2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,500,000	11,196,331	10/06/2014	10/06/2044	Interest Rate Swap			871590-AJ-7	RRPF Engine Leasing Ltd Senior Secured Note Series D	1	11,500,000	11,196,331
57629*CJ8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	175,000,000	60,000,000	93,947,177	10/10/2014	10/10/2044	Interest Rate Swap		35,655,497	67332F-AD-5	NTC Capital I Unsecured Bond Cullen/Frost Capital Trust II	2	60,000,000	58,291,680
57629*CJ8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		26,574,407	24,391,500	10/10/2014	10/10/2044	Interest Rate Swap			629394-AA-5	Subordinated Note National City Bank Clev Ohio Senior Subordinated Note	2	26,574,407	24,391,500
57629*CJ8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		20,610,907	18,228,131	10/10/2014	10/10/2044	Interest Rate Swap			230000-AB-7	Bluemountain CLO 2014-1 Ltd Sr Secd Deferrable Nt Class D	1	20,610,907	18,228,131
57629*CJ8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		59,787,899	59,849,220	10/10/2014	10/10/2044	Interest Rate Swap			63534P-AF-4	Bluemountain CLO 2014-4 Ltd Sr Secd Deferrable Nt Class D	1	59,787,899	59,849,220
57629*CJ8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		1,809,734	1,642,146	10/10/2014	10/10/2044	Interest Rate Swap			09627L-AJ-6	Bluemountain CLO 2014-4 Ltd Sr Secd Deferrable Nt Class D	1	1,809,734	1,642,146
57629*CJ8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,460,398	4,042,406	10/10/2014	10/10/2044	Interest Rate Swap			09627V-AG-0	Babson CLO 2013-1IA Series 2013-1IA Class C	1	4,460,398	4,042,406
57629*CJ8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,125,432	2,707,175	10/10/2014	10/10/2044	Interest Rate Swap			05617Y-AG-4	Bluemountain CLO 2013-3 Ltd Sr Secd Deferrable Nt Class D	1	3,125,432	2,707,175
57629*CJ8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,688,790	6,162,386	10/10/2014	10/10/2044	Interest Rate Swap			09625J-AF-1	Sugar Creek CLO Ltd Series 2012-1A Class B	1	6,688,790	6,162,386
57629*CK5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	13,384,223	38,460,300	11/04/2014	11/04/2044	Interest Rate Swap		25,459,884	86482B-AC-5		1	13,384,223	13,000,416

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STATEMENT AS OF MARCH 31, 2016 OF THE Massachusetts Mutual Life Insurance Company

SCHEDULE DB - PART C - SECTION 1

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

Replication (Synthetic Asset) Transactions								Components of the Replication (Synthetic Asset) Transactions							
1	2	3	4	5	6	7	8	Derivative Instrument(s) Open			Cash Instrument(s) Held				
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9	10	11	12	13	14	15	16
								Description	Book/Adjusted Carrying Value	Fair Value	CUSIP	Description	NAIC Designation or Other Description	Book/Adjusted Carrying Value	Fair Value
57629*CK5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,267,940	12,603,253	11/04/2014	11/04/2044	Interest Rate Swap			12627U-AB-7	COA Summit CLO Ltd Series 2014-1A Class A2	1	13,267,940	12,603,253
57629*CK5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,979,339	12,533,248	11/04/2014	11/04/2044	Interest Rate Swap			69688X-AC-5	Palmer Square CLO Ltd Series 2014-1A Class A2	1	12,979,339	12,533,248
57629*CK5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,500,000	11,920,050	11/04/2014	11/04/2044	Interest Rate Swap			26251B-AC-0	Dryden Senior Loan Fund Series 2013-28A Class A2L	1	12,500,000	11,920,050
57629*CK5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,296,531	4,278,917	11/04/2014	11/04/2044	Interest Rate Swap			67102V-AW-7	Oak Hill Credit Partners Series 12-6A Class DR	1	4,296,531	4,278,917
57629*CK5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,017,136	13,190,691	11/04/2014	11/04/2044	Interest Rate Swap			291086-AB-2	Emerson Place CLO LTD Series 2006-1A Class B	1	13,017,136	13,190,691
57629*CK5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,125,000	12,010,892	11/04/2014	11/04/2044	Interest Rate Swap			143090-AU-5	Carlyle Global Mkt CLO 2012-2 Sr Secd Note Class B-1-R 144A	1	12,125,000	12,010,892
57629*CK5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,824,130	13,093,743	11/04/2014	11/04/2044	Interest Rate Swap			33842R-AB-9	Flagship CLO Series 2006-1A Class B	1	12,824,130	13,093,743
57629*CK5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,506,189	6,128,039	11/04/2014	11/04/2044	Interest Rate Swap			673898-AC-6	Oaktree CLO Ltd Series 2014-2A Class A2A	1	6,506,189	6,128,039
57629*CK5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,845,838	6,413,155	11/04/2014	11/04/2044	Interest Rate Swap			46616A-AE-6	JFIN CLO 2012 Ltd Note Class B 144A	1	6,845,838	6,413,155
57629*CK5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5,958,492	5,929,941	11/04/2014	11/04/2044	Interest Rate Swap			38136G-AD-3	Goldentree Loan Opp IV Ltd Sr Secured Nt Class A-1B-J	1	5,958,492	5,929,941
57629*CK5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,470,140	3,333,925	11/04/2014	11/04/2044	Interest Rate Swap			806713-AD-5	Schiller Park CLO LTD Series 2007-1A Class B	1	3,470,140	3,333,925
57629*CK5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5,948,585	5,921,952	11/04/2014	11/04/2044	Interest Rate Swap			43132W-AE-0	Hi Idene CLO IV Ltd Series 2015-4A Class B	1	5,948,585	5,921,952
57629*CK5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5,948,585	5,921,952	11/04/2014	11/04/2044	Interest Rate Swap			46617Y-AB-9	JFIN CLO LTD Series 2015 Class C1	1	5,948,585	5,921,952
57629*CL3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	14,079,785	39,072,686	11/04/2014	11/04/2044	Interest Rate Swap		25,488,397	09627D-AC-9	Bluemountain CLO 2013-4 Ltd Sr Secured Note Class B-1 144A	1	14,079,785	13,584,289
57629*CL3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,105,649	13,719,912	11/04/2014	11/04/2044	Interest Rate Swap			55818R-AG-1	Madison Park Funding Ltd Series 2014-14A Class B	1	14,105,649	13,719,912
57629*CL3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,107,355	13,417,448	11/04/2014	11/04/2044	Interest Rate Swap			14955A-AC-7	CAVALRY CLO LTD Series 2014-4A Class B1	1	14,107,355	13,417,448
57629*CL3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,122,961	13,315,523	11/04/2014	11/04/2044	Interest Rate Swap			27830B-AC-8	Eaton Vance CDO Ltd Series 2013-1A Class A2	1	14,122,961	13,315,523
57629*CL3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,719,542	13,458,633	11/04/2014	11/04/2044	Interest Rate Swap			38136B-AJ-1	Goldentree Loan Opp III Ltd Sr Secured Nt Class A-2 144A	1	13,719,542	13,458,633
57629*CL3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,789,461	13,053,072	11/04/2014	11/04/2044	Interest Rate Swap			88390A-AF-7	Wind River CLO Ltd Series 2014-2A Class B1	1	13,789,461	13,053,072
57629*CL3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,600,000	13,135,383	11/04/2014	11/04/2044	Interest Rate Swap			037640-AC-6	Apidos CDO Series 2013-15A Class A2A	1	13,600,000	13,135,383
57629*CL3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,079,483	12,512,318	11/04/2014	11/04/2044	Interest Rate Swap			00191L-AC-6	Ares XXVIII CLO Ltd Class B-1 Sr Floating Rate Nt	1	13,079,483	12,512,318
57629*CL3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,590,556	12,911,108	11/04/2014	11/04/2044	Interest Rate Swap			64129X-AG-4	Neuberger Berman CLO XVI Ltd Sr Secured Note Class B-1	1	13,590,556	12,911,108
57629*CL3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,753,766	10,147,793	11/04/2014	11/04/2044	Interest Rate Swap			05873L-AC-0	Ballyrock Ltd Series 2014-1A Class A2	1	10,753,766	10,147,793
57629*CM1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	12,917,652	38,385,406	11/04/2014	11/04/2044	Interest Rate Swap		25,716,503	67105V-AE-4	QHA Credit Partners IX Ltd Sr Secd Note Class B-1 144A	1	12,917,652	12,668,903
57629*CM1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,862,109	13,879,879	11/04/2014	11/04/2044	Interest Rate Swap			50184V-AE-4	L C M Ltd Partnership Series 14A Class B	1	14,862,109	13,879,879
57629*CM1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,000,000	12,342,226	11/04/2014	11/04/2044	Interest Rate Swap			33883B-AB-4	Flatiron CLO Ltd Series 2013 - 1A Class 2	1	13,000,000	12,342,226
57629*CM1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,550,000	14,197,119	11/04/2014	11/04/2044	Interest Rate Swap			09073V-AC-8	Birchwood Park CLO Ltd Series 2014-1A Class B1	1	14,550,000	14,197,119
57629*CM1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,334,253	13,305,107	11/04/2014	11/04/2044	Interest Rate Swap			398080-AC-5	GREYWOLF CLO IV Ltd Sr Secured Note Class A-2 144A	1	13,334,253	13,305,107
57629*CM1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,021,433	13,726,888	11/04/2014	11/04/2044	Interest Rate Swap			04941R-AC-8	Atlas Senior Loan Fund Ltd Series 2014-6A Class B	1	14,021,433	13,726,888
57629*CM1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,002,686	13,583,368	11/04/2014	11/04/2044	Interest Rate Swap			09627R-AC-8	Bluemountain CLO 2014-3 Ltd Sr Secured Note Class A-2 144A	1	14,002,686	13,583,368
57629*CM1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,277,918	7,240,125	11/04/2014	11/04/2044	Interest Rate Swap			388080-AE-1	GREYWOLF CLO IV Ltd Sr Secd Deferrable Nt Class B	1	7,277,918	7,240,125

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STATEMENT AS OF MARCH 31, 2016 OF THE Massachusetts Mutual Life Insurance Company

SCHEDULE DB - PART C - SECTION 1

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

Replication (Synthetic Asset) Transactions								Components of the Replication (Synthetic Asset) Transactions							
1	2	3	4	5	6	7	8	Derivative Instrument(s) Open			Cash Instrument(s) Held				
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9	10	11	12	13	14	15	16
								Description	Book/Adjusted Carrying Value	Fair Value	CUSIP	Description	NAIC Designation or Other Description	Book/Adjusted Carrying Value	Fair Value
57629*CM1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5,523,269	5,440,782	11/04/2014	11/04/2044	Interest Rate Swap			04941G-AA-6	Atlas Senior Loan Fund III Ltd Series 2013-1A Class A	1	5,523,269	5,440,782
57629*CM1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,470,523	4,440,999	11/04/2014	11/04/2044	Interest Rate Swap			803066-AG-4	Sapphire Valley CDO I Ltd Deferrable Mezz Note Cl D 144A	1	4,470,523	4,440,999
57629*CM1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,963,489	14,592,348	11/04/2014	11/04/2044	Interest Rate Swap			08180R-AC-9	Benefit St Partners CLO VII Series 2015-VIIA Class A2	1	14,963,489	14,592,348
57629*CN9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	15,000,000	40,679,091	11/04/2014	11/04/2044	Interest Rate Swap		25,745,016	87155P-AC-8	Symphony CLO Ltd Series 2012-9A Class B	1	15,000,000	14,934,075
57629*CN9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		15,000,000	14,545,860	11/04/2014	11/04/2044	Interest Rate Swap			74982D-AQ-1	Race Point CLO Series 2012-6RA Class BR	1	15,000,000	14,545,860
57629*CN9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		15,481,715	14,748,473	11/04/2014	11/04/2044	Interest Rate Swap			00900A-AB-4	Aimco Series 2014-AA Class B1	1	15,481,715	14,748,473
57629*CN9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		15,200,916	14,310,000	11/04/2014	11/04/2044	Interest Rate Swap			854432-AB-7	Stanford Street CLO Ltd Series 2014-1A Class B	1	15,200,916	14,310,000
57629*CN9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		15,134,964	14,781,465	11/04/2014	11/04/2044	Interest Rate Swap			50183X-AE-1	LCM Ltd Partnership Series 11A Class B	1	15,134,964	14,781,465
57629*CN9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,108,987	12,191,014	11/04/2014	11/04/2044	Interest Rate Swap			803066-AE-9	Sapphire Valley CDO I Ltd Deferrable Mezz Note Cl C 144A	1	12,108,987	12,191,014
57629*CN9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,945,089	14,064,749	11/04/2014	11/04/2044	Interest Rate Swap			92912V-AC-9	Yoya Clo Ltd Series 2014-2A Class A2	1	14,945,089	14,064,749
57629*CN9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,836,068	13,963,002	11/04/2014	11/04/2044	Interest Rate Swap			67104C-AB-3	Oak Hill Credit Partners Series 2013 - 8A Class B	1	14,836,068	13,963,002
57629*CN9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		1,809,386	1,961,510	11/04/2014	11/04/2044	Interest Rate Swap			38136T-AC-7	Goldentree Loan Opp V Ltd Sr Secd Deferrable Nt Class C	1	1,809,386	1,961,510
57629*CN9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		2,934,789	3,001,980	11/04/2014	11/04/2044	Interest Rate Swap			862015-AC-8	Stoney Lane Funding Ltd Series 2007-1A Class A2	1	2,934,789	3,001,980
57629*CN9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,001,377	3,134,870	11/04/2014	11/04/2044	Interest Rate Swap			67134N-AN-7	Oak Hill Credit Partners Series 2007-5A Class C	1	3,001,377	3,134,870
57629*CP4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	18,374,687	42,701,449	11/04/2014	11/04/2044	Interest Rate Swap		25,830,556	40538C-AG-5	Halcyon Loan Advisors Fnd Ltd Series 2014-1A Class B1	1	18,374,687	16,870,893
57629*CP4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		16,600,000	15,832,682	11/04/2014	11/04/2044	Interest Rate Swap			05874P-AC-0	Ballyrock CLO 2013-1 Ltd Series 2013-1A Class B	1	16,600,000	15,832,682
57629*CP4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		16,845,837	15,914,102	11/04/2014	11/04/2044	Interest Rate Swap			04014W-AC-9	Ares XXIX CLO Ltd Series 2014-1A Class A2	1	16,845,837	15,914,102
57629*CP4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		15,720,901	15,462,544	11/04/2014	11/04/2044	Interest Rate Swap			14309B-AL-8	Carlyle High Yield Partners Series 2006-9A Class A3	1	15,720,901	15,462,544
57629*CP4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		15,077,902	14,444,250	11/04/2014	11/04/2044	Interest Rate Swap			46617E-AC-1	JFIN CLO 2014 Ltd Sr Secured Note Class B-1	1	15,077,902	14,444,250
57629*CP4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		15,170,643	14,077,140	11/04/2014	11/04/2044	Interest Rate Swap			87247C-AC-7	TICP CLO II Ltd Sr Secured Note Class A-2A	1	15,170,643	14,077,140
57629*CP4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,372,202	12,494,040	11/04/2014	11/04/2044	Interest Rate Swap			87159F-AB-8	Symphony CLO LTD Series 2013-12A Class B1	1	13,372,202	12,494,040
57629*CP4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,741,341	11,573,452	11/04/2014	11/04/2044	Interest Rate Swap			87154E-AC-4	Symphony CLO XV Ltd SR NT CL B-1 144A	1	11,741,341	11,573,452
57629*CP4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,975,000	13,583,616	11/04/2014	11/04/2044	Interest Rate Swap			26250C-AU-9	Dryden XXIII Senior Loan Fund Series 2012-23RA Class A2R	1	13,975,000	13,583,616
57629*CO2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	25,210,565	50,876,585	11/04/2014	11/04/2044	Interest Rate Swap		26,001,635	87154E-AB-6	Symphony CLO XV Ltd SR NT CL A 144A	1	25,210,565	24,874,950
57629*CO2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		23,470,019	22,734,373	11/04/2014	11/04/2044	Interest Rate Swap			532621-AA-7	Limerock CLO Series 2014-2A Class A	1	23,470,019	22,734,373
57629*CO2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		21,728,779	20,859,260	11/04/2014	11/04/2044	Interest Rate Swap			40538C-AC-4	Halcyon Loan Advisors Fnd Ltd Series 2014-1A Class A1	1	21,728,779	20,859,260
57629*CO2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		17,297,868	16,811,317	11/04/2014	11/04/2044	Interest Rate Swap			053633-AB-9	Avery Point CLO Limited Series 2013-3A Class A	1	17,297,868	16,811,317
57629*CO2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,653,878	8,580,804	11/04/2014	11/04/2044	Interest Rate Swap			38136B-AE-2	Goldentree Loan Opp III Ltd Series 2007-3A Class A1BS	1	8,653,878	8,580,804
57629*CO2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,025,804	13,610,786	11/04/2014	11/04/2044	Interest Rate Swap			38123H-AC-8	Goldentree Loan Opp IX Ltd Sr Secured Nt Class B-1 144A	1	14,025,804	13,610,786
57629*CO2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,530,727	4,385,057	11/04/2014	11/04/2044	Interest Rate Swap			81717E-AE-0	Seneca Park CLO Ltd Series 2014-1A Class C	1	4,530,727	4,385,057
57629*CO2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,479,575	4,080,353	11/04/2014	11/04/2044	Interest Rate Swap			828428-AC-6	Silvermore Clo Ltd Series 2014-1A Class A2	1	4,479,575	4,080,353

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SCHEDULE DB - PART C - SECTION 1

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

Replication (Synthetic Asset) Transactions								Components of the Replication (Synthetic Asset) Transactions							
1	2	3	4	5	6	7	8	Derivative Instrument(s) Open			Cash Instrument(s) Held				
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9	10	11	12	13	14	15	16
								Description	Book/Adjusted Carrying Value	Fair Value	CUSIP	Description	NAIC Designation or Other Description	Book/Adjusted Carrying Value	Fair Value
57629*CO2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,411,753	7,336,154	11/04/2014	11/04/2044	Interest Rate Swap			15135D-AJ-6	Cent CDO Ltd Series 2007-14A Class A2A	1	7,411,753	7,336,154
57629*CO2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,634,993	3,275,916	11/04/2014	11/04/2044	Interest Rate Swap			14311D-AJ-5	CARLYLE GLOBAL MARKET STRATEG Series 2015-1A Class D	2	3,634,993	3,275,916
57629*CR0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	37,165,572	62,389,014	11/04/2014	11/04/2044	Interest Rate Swap		25,973,122	43132V-AA-0	Hildene Clo Ltd Series 2014-3A Class A	1	37,165,572	36,415,892
57629*CR0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		30,357,956	29,700,810	11/04/2014	11/04/2044	Interest Rate Swap			64129X-AC-3	Neuberger Berman CLO XVI Ltd Sr Secured Note Class A-1	1	30,357,956	29,700,810
57629*CR0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		22,293,520	21,790,610	11/04/2014	11/04/2044	Interest Rate Swap			50181G-AC-4	LCM Ltd Partnership Series 16A Class A	1	22,293,520	21,790,610
57629*CR0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,385,013	9,132,117	11/04/2014	11/04/2044	Interest Rate Swap			50184N-AD-4	LCM Ltd Partnership Series 15A Class C	1	9,385,013	9,132,117
57629*CR0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,751,620	4,444,595	11/04/2014	11/04/2044	Interest Rate Swap			26249B-AE-1	Dryden Senior Loan Fund Series 2013-30A Class C	1	4,751,620	4,444,595
57629*CR0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,791,344	4,490,624	11/04/2014	11/04/2044	Interest Rate Swap			398079-AE-3	Greywolf CLO Ltd. Series 2013-1A Class B	1	4,791,344	4,490,624
57629*CR0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,522,523	4,367,039	11/04/2014	11/04/2044	Interest Rate Swap			14310V-AE-7	Carlyle Global Mkt Strategies Mezzanine Secd Deferrable Cl C Pangaea CLO Ltd Series 2007-1A Class B	1	4,522,523	4,367,039
57629*CR0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,422,352	4,463,923	11/04/2014	11/04/2044	Interest Rate Swap			69841B-AE-3	Voya CLO 2014-4 Ltd Deferrable Note Class C 144A	1	4,422,352	4,463,923
57629*CR0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,510,202	3,970,803	11/04/2014	11/04/2044	Interest Rate Swap			92914R-AG-7	WELLFLEET CLO LTD Series 2015-1A Class A1	2	4,510,202	3,970,803
57629*CR0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	65,000,000	90,247,029	11/04/2014	11/04/2044	Interest Rate Swap		26,030,149	41165G-AA-7	Harbourview CLO VII Ltd Series 7A Class A1	1	65,000,000	64,216,880
57629*CS8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,538,502	4,396,602	11/04/2014	11/04/2044	Interest Rate Swap			09627L-AG-2	Bluemountain CLO 2014-1 Ltd Sr Secd Deferrable Nt Class C	1	4,538,502	4,396,602
57629*CS8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		22,574,831	22,196,127	11/04/2014	11/04/2044	Interest Rate Swap			92914R-AA-0	Voya CLO 2014-4 Ltd Note Class A-1 144A	1	22,574,831	22,196,127
57629*CS8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		22,087,462	21,929,166	11/04/2014	11/04/2044	Interest Rate Swap			67706T-AA-0	OH Loan Funding Ltd Series 2014-1A Class A1	1	22,087,462	21,929,166
57629*CS8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,807,931	6,572,548	11/04/2014	11/04/2044	Interest Rate Swap			64128Q-AE-5	Neuberger Berman CLO XVIII Ltd Sr Secd Deferrable Nt Class B	1	6,807,931	6,572,548
57629*CS8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,231,595	9,075,123	11/04/2014	11/04/2044	Interest Rate Swap			26249K-AC-5	Dryden 36 Senior Loan Fund Sr Secured Note Class B 144A	1	9,231,595	9,075,123
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	150,000,000	20,348,965	37,629,569	12/16/2014	12/16/2044	Interest Rate Swap		19,947,916	979JXH-11-5	AUTOSTRADA WIELKOPOLSKA SA	3	20,348,965	17,681,653
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		16,274,311	15,929,376	12/16/2014	12/16/2044	Interest Rate Swap			U8270Y-ZZ-4	SILVER STATE SOLAR SOUTH Kingsland Ltd Series 2007-5A Class A2B	2	16,274,311	15,929,376
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,384,747	10,484,963	12/16/2014	12/16/2044	Interest Rate Swap			49636R-AL-3	Dryden Senior Loan Fund Series 2013-30A Class B	1	11,384,747	10,484,963
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,496,124	10,707,561	12/16/2014	12/16/2044	Interest Rate Swap			26249B-AC-5	Ballyrock CLO 2013-1 Ltd Series 2013-1A Class C	1	11,496,124	10,707,561
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,476,603	10,229,027	12/16/2014	12/16/2044	Interest Rate Swap			05874P-AE-6	Voya Clo Ltd Series 2014-2A Class B	1	11,476,603	10,229,027
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,583,251	9,060,933	12/16/2014	12/16/2044	Interest Rate Swap			92912V-AG-0	Octagon Inv Partners XVI Ltd Series 2013-1A Class B1	1	9,583,251	9,060,933
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,950,000	10,344,312	12/16/2014	12/16/2044	Interest Rate Swap			67590B-AC-4	Babson CLO Ltd 2012-1 Series 2012-1A Class A2	1	10,950,000	10,344,312
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,109,977	10,908,469	12/16/2014	12/16/2044	Interest Rate Swap			05617L-AB-3	JFIN CLO 2014-11 Ltd Sr Secured Note Class A-2 144A	1	11,109,977	10,908,469
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,213,702	10,572,218	12/16/2014	12/16/2044	Interest Rate Swap			46617N-AC-1	JFIN CLO 2012 Ltd Note Class A2B 144A	1	11,213,702	10,572,218
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,919,807	10,534,892	12/16/2014	12/16/2044	Interest Rate Swap			46616A-AJ-5	LCM Ltd Partnership Series 16A Class B	1	10,919,807	10,534,892
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,751,975	10,306,332	12/16/2014	12/16/2044	Interest Rate Swap			50181G-AE-0	Eaton Vance CDO Ltd Series 2014-1A Class C	1	10,751,975	10,306,332
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,038,926	5,517,423	12/16/2014	12/16/2044	Interest Rate Swap			27830D-AE-0	Carlyle Global Mkt CLO 2013-3 Sr Secd Def Note Class B 144A	1	6,038,926	5,517,423
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,456,490	6,813,950	12/16/2014	12/16/2044	Interest Rate Swap			14310G-AG-5		1	7,456,490	6,813,950

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STATEMENT AS OF MARCH 31, 2016 OF THE Massachusetts Mutual Life Insurance Company

SCHEDULE DB - PART C - SECTION 1

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

Replication (Synthetic Asset) Transactions								Components of the Replication (Synthetic Asset) Transactions							
1	2	3	4	5	6	7	8	Derivative Instrument(s) Open			Cash Instrument(s) Held				
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9	10	11	12	13	14	15	16
								Description	Book/Adjusted Carrying Value	Fair Value	CUSIP	Description	NAIC Designation or Other Description	Book/Adjusted Carrying Value	Fair Value
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,850,000	3,777,528	12/16/2014	12/16/2044	Interest Rate Swap			67572N-BA-3	Octagon Inv Partners XII Ltd Series 2012-1AR Class CR	1	3,850,000	3,777,528
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,713,725	3,393,420	12/16/2014	12/16/2044	Interest Rate Swap			461866-AJ-2	Inwood Park CDO Ltd Series 2006-1A Class C	1	3,713,725	3,393,420
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,245,187	12,325,126	12/16/2014	12/16/2044	Interest Rate Swap			89473L-AA-2	TREMAN PARK CLO, LTD.	1	12,245,187	12,325,126
57629*CT6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	150,000,000	132,672,028	139,122,859	12/16/2014	12/16/2044	Interest Rate Swap		19,604,730	77277L-GO-1	Rockall CLO BV Variable Funding Note - Eur	1	132,672,028	119,518,129
57629*CT6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,000,000	8,486,064	12/16/2014	12/16/2044	Interest Rate Swap			05617W-AE-3	Babson CLO Ltd 2013-I Series 2013-1A Class C	1	9,000,000	8,486,064
57629*CT6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,178,784	6,534,371	12/16/2014	12/16/2044	Interest Rate Swap			46617E-AE-7	JFIN CLO 2014 Ltd Mezz Secd Deferrable Nt Cl C	1	7,178,784	6,534,371
57629*CT6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,029,887	6,845,146	12/16/2014	12/16/2044	Interest Rate Swap			33882W-AE-3	Flatiron CLO Ltd. Series 2011-1A Class C1	1	7,029,887	6,845,146
57629*CT6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,000,000	6,786,262	12/16/2014	12/16/2044	Interest Rate Swap			14310D-AE-7	Carlyle Global Mkt CLO 2013-2 Sr Secd Note Class B 144A	1	7,000,000	6,786,262
57629*CT6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,004,290	2,900,773	12/16/2014	12/16/2044	Interest Rate Swap			09627X-AC-5	Bluemountain CLO 2015-1 Ltd Sr Secured Note Class A-2 144A	1	3,004,290	2,900,773
57629*CT6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		2,757,080	2,629,579	12/16/2014	12/16/2044	Interest Rate Swap			67091H-AE-1	O H A Loan Funding LTD. Series 2012-1A Class C	1	2,757,080	2,629,579
57629*CT6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		2,721,152	2,664,949	12/16/2014	12/16/2044	Interest Rate Swap			19964Q-AC-0	Columbus Nova CLO Ltd Series 2007-2A Class B	1	2,721,152	2,664,949
57629*CT6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		2,603,162	2,302,882	12/16/2014	12/16/2044	Interest Rate Swap			26249E-AG-0	Dryden Senior Loan Fund Series 2014-31A Class D	1	2,603,162	2,302,882
57629*CT6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		2,500,000	2,189,658	12/16/2014	12/16/2044	Interest Rate Swap			15132V-AG-5	Cent CLO Ltd Series 2007-15A Class C	2	2,500,000	2,189,658
57629*CT6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		1,850,414	2,073,947	12/16/2014	12/16/2044	Interest Rate Swap			46615P-AG-9	JFIN CLO 2007 Ltd Deferrable Mezz Note Class D	1	1,850,414	2,073,947
57629*CT6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		1,729,884	1,871,035	12/16/2014	12/16/2044	Interest Rate Swap			15135A-AD-5	Cent CDO Ltd Series 2006-12A Class D	1	1,729,884	1,871,035
57629*CT6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		2,054,218	1,977,892	12/16/2014	12/16/2044	Interest Rate Swap			36320P-AG-6	Gale Force 4 CLO Ltd Sr Sec Note Floating Class D	3	2,054,218	1,977,892
57629*CI9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	250,000,000	40,064,805	71,816,543	12/16/2014	12/16/2044	Interest Rate Swap		33,418,119	979JXQ-11-5	CONNECT PLUS M25 LTD	2	40,064,805	38,398,424
57629*CI9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		73,240,884	70,543,016	12/16/2014	12/16/2044	Interest Rate Swap			U8270Y-ZZ-4	SILVER STATE SOLAR SOUTH Cent CLO LP Series 2014-16AR Class	2	73,240,884	70,543,016
57629*CI9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,000,000	13,649,972	12/16/2014	12/16/2044	Interest Rate Swap			15136G-AQ-2	A2R TICP CLO III Ltd Sr Secured Note Class A 144A	1	14,000,000	13,649,972
57629*CI9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		34,886,906	33,777,810	12/16/2014	12/16/2044	Interest Rate Swap			87247U-AC-7	Oaktree EIF II Ltd Series 2014-A2 Class B	1	34,886,906	33,777,810
57629*CI9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		19,619,599	18,789,005	12/16/2014	12/16/2044	Interest Rate Swap			67400L-AC-2	Bluemountain CLO 2014-4 Ltd Sr Secured Note Class B-1	1	19,619,599	18,789,005
57629*CI9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,606,302	12,466,125	12/16/2014	12/16/2044	Interest Rate Swap			09627V-AC-9	Bluemountain CLO 2014-4 Ltd Sr Secured Note Class A-1	1	12,606,302	12,466,125
57629*CI9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		22,271,305	21,921,228	12/16/2014	12/16/2044	Interest Rate Swap			09627V-AA-3	Madison Park Funding Ltd 2014-15A Class A2	1	22,271,305	21,921,228
57629*CI9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,665,317	11,621,919	12/16/2014	12/16/2044	Interest Rate Swap			55818V-AC-1	Atrium XI Series 11A Class B	1	11,665,317	11,621,919
57629*CI9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		18,758,926	18,255,649	12/16/2014	12/16/2044	Interest Rate Swap			04964W-AC-9	Atrium XI Series 11A Class A1	1	18,758,926	18,255,649
57629*CI9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		20,454,165	20,096,820	12/16/2014	12/16/2044	Interest Rate Swap			04964W-AA-3	THL Credit Wind Riv 2014-3 CLO Series 2014-3A Class B	1	20,454,165	20,096,820
57629*CI9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,373,290	12,069,707	12/16/2014	12/16/2044	Interest Rate Swap			88432D-AC-8	Babson CLO Ltd 2014-II Sr Secd Note Class B-1 144A	1	12,373,290	12,069,707
57629*CI9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,542,704	11,760,226	12/16/2014	12/16/2044	Interest Rate Swap			05618L-AB-2	Silver Spring CLO Ltd Series 2014-1A Class B1	1	12,542,704	11,760,226
57629*CI9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,221,749	11,190,887	12/16/2014	12/16/2044	Interest Rate Swap			82817R-AB-7	Babson CLO Ltd 2007-I Series 2007-1A Class B1	1	12,221,749	11,190,887
57629*CI9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,321,518	6,285,937	12/16/2014	12/16/2044	Interest Rate Swap			05616X-AJ-1	MasMutual Asset Finance LLC Senior Secured Revolver A	1	6,321,518	6,285,937
57629*CI9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	250,000,000	328,073,426	366,672,634	12/16/2014	12/16/2044	Interest Rate Swap		32,331,365	57542Z-AO-7		1	328,073,426	334,341,269

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STATEMENT AS OF MARCH 31, 2016 OF THE Massachusetts Mutual Life Insurance Company

SCHEDULE DB - PART C - SECTION 1

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

Replication (Synthetic Asset) Transactions								Components of the Replication (Synthetic Asset) Transactions							
1	2	3	4	5	6	7	8	Derivative Instrument(s) Open			Cash Instrument(s) Held				
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9	10	11	12	13	14	15	16
								Description	Book/Adjusted Carrying Value	Fair Value	CUSIP	Description	NAIC Designation or Other Description	Book/Adjusted Carrying Value	Fair Value
57629*CV1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	200,000,000	127,939,692	139,927,618	12/16/2014	12/16/2044	Interest Rate Swap	25,407,511		77277L-B8-9	Rockall CLO BV Variable Funding Note - GBP	1	127,939,692	114,520,107
57629*CV1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		24,413,901	23,915,350	12/16/2014	12/16/2044	Interest Rate Swap			65531W-AA-8	Nomad CLO Ltd Series 2013-1A Class A1	1	24,413,901	23,915,350
57629*CV1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		23,624,707	23,141,280	12/16/2014	12/16/2044	Interest Rate Swap			09625J-AA-2	Bluemountain CLO 2013-3 Ltd Sr Secured Note Class A 144A	1	23,624,707	23,141,280
57629*CV1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		23,225,000	22,997,023	12/16/2014	12/16/2044	Interest Rate Swap			14310U-AA-7	Carlyle Global Mkt CLO 2014-4 Sr Secd Note Class A-1 144A	1	23,225,000	22,997,023
57629*CV1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,996,553	10,832,327	12/16/2014	12/16/2044	Interest Rate Swap			04941G-AA-6	Atlas Senior Loan Fund III Ltd Series 2013-1A Class A	1	10,996,553	10,832,327
57629*CV1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		17,506,207	17,075,999	12/16/2014	12/16/2044	Interest Rate Swap			095560-AC-2	Blue Hill CLO Ltd Series 2013-1A Class A	1	17,506,207	17,075,999
57629*CV1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5,057,326	5,096,046	12/16/2014	12/16/2044	Interest Rate Swap			38136G-AG-6	Goldentree Loan Opp IV Ltd Sr Secd Deferrable Nt Class C	1	5,057,326	5,096,046
57629*CV1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5,787,990	5,807,634	12/16/2014	12/16/2044	Interest Rate Swap			55819T-AG-6	MADISON PARK FUNDING LTD	1	5,787,990	5,807,634
12518*AP5	Credit Default Indices (CDX1231/CDX.NA.IG.23)	2	200,000,000	217,138,931	296,610,920	09/22/2014	12/20/2024	10 Yr Credit Default Swap Index	(2,230,294)	(4,204,600)	912810-QK-7	US Treasury 3.875% DUE 8/15/2040	1	219,369,225	300,815,520
12518*A03	Credit Default Indices (CDX1231/CDX.NA.IG.23)	2	100,000,000	103,999,273	142,038,470	09/22/2014	12/20/2024	10 Yr Credit Default Swap Index	(1,115,147)	(2,102,300)	912810-QK-7	US Treasury 3.875% DUE 8/15/2040	1	105,114,420	144,140,770
57629*CY5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	18,032,575	21,526,652	02/05/2015	02/05/2045	Interest Rate Swap		3,730,077	00164M-AC-7	ALM XII Ltd Sr Secd Note Class A-1 144A	1	18,032,575	17,796,575
57629*CY5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		28,341,248	28,056,223	02/05/2015	02/05/2045	Interest Rate Swap			67105V-AC-8	QHA Credit Partners IX Ltd OAKC 2013 - 9A A1	1	28,341,248	28,056,223
57629*CY5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		27,040,555	26,808,868	02/05/2015	02/05/2045	Interest Rate Swap			50184K-AC-2	L C M Ltd Partnership Series 13A Class A	1	27,040,555	26,808,868
57629*CY5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		22,451,605	21,860,133	02/05/2015	02/05/2045	Interest Rate Swap			939218-AC-7	Washington Mill CLO Ltd Senior Note Class A-1 144A	1	22,451,605	21,860,133
57629*CY5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		22,272,075	21,898,340	02/05/2015	02/05/2045	Interest Rate Swap			36319Q-AA-0	Galaxy XIX CLO Ltd Senior Note Class A-1 144A	1	22,272,075	21,898,340
57629*CY5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5,753,696	5,548,652	02/05/2015	02/05/2045	Interest Rate Swap			10302V-AC-9	Bowman Park CLO Ltd Series 2014-1A Class B1	1	5,753,696	5,548,652
57629*CY5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5,435,827	4,923,083	02/05/2015	02/05/2045	Interest Rate Swap			33882U-AC-1	Flatiron CLO Ltd Series 2014-1A Class B	1	5,435,827	4,923,083
57629*CY5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		15,544,688	14,990,248	02/05/2015	02/05/2045	Interest Rate Swap			828428-AA-0	Silvermore Clo Ltd Series 2014-1A Class A1	1	15,544,688	14,990,248
57629*C22	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	15,232,770	18,716,894	02/05/2015	02/05/2045	Interest Rate Swap		3,701,378	14311D-AC-0	CARLYLE GLOBAL MARKET STRATEG Series 2015-1A Class A	1	15,232,770	15,015,516
57629*C22	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,486,905	12,257,137	02/05/2015	02/05/2045	Interest Rate Swap			55818P-AE-0	Madison Park Funding Ltd Series 2014-12A Class C	1	12,486,905	12,257,137
57629*C22	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,250,000	11,119,455	02/05/2015	02/05/2045	Interest Rate Swap			38137H-AC-2	Goldentree Loan Opp XI Ltd Sr Secured Nt Class B 144A	1	11,250,000	11,119,455
57629*C22	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,850,000	9,687,672	02/05/2015	02/05/2045	Interest Rate Swap			36319Q-AC-6	Galaxy XIX CLO Ltd Senior Note Class A-2 144A	1	9,850,000	9,687,672
57629*C22	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,580,000	9,552,304	02/05/2015	02/05/2045	Interest Rate Swap			14311D-AE-6	CARLYLE GLOBAL MARKET STRATEG Series 2015-1A Class A	1	9,580,000	9,552,304
57629*C22	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,995,068	8,503,964	02/05/2015	02/05/2045	Interest Rate Swap			15135A-AC-7	Cent CDO Ltd Series 2006-12A Class C	1	8,995,068	8,503,964
57629*C22	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,390,777	7,570,354	02/05/2015	02/05/2045	Interest Rate Swap			44983W-AD-0	J N G Investment Management Series 2007-5A Class B	1	7,390,777	7,570,354
57629*C22	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,202,025	8,831,324	02/05/2015	02/05/2045	Interest Rate Swap			096260-AE-7	Bluemountain CLO 2014-2 Ltd Sr Sec Def Note Class C 144A	1	9,202,025	8,831,324
57629*C22	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,265,583	9,094,112	02/05/2015	02/05/2045	Interest Rate Swap			33882W-AC-7	Flatiron CLO Ltd. Series 2011-1A Class B	1	9,265,583	9,094,112
57629*C22	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,235,962	8,678,376	02/05/2015	02/05/2045	Interest Rate Swap			09626U-AE-8	Bluemountain CLO 2013-1 Ltd Sr Sec Def Note Class B 144A	1	9,235,962	8,678,376
57629*C22	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,000,000	8,399,682	02/05/2015	02/05/2045	Interest Rate Swap			67104C-AC-1	Oak Hill Credit Partners Series 2013-8A Class C	1	9,000,000	8,399,682
57629*C22	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,943,389	3,762,048	02/05/2015	02/05/2045	Interest Rate Swap			55817X-AC-8	Madison Park Funding Ltd Series 2007-5A Class A2	1	3,943,389	3,762,048
57629*C22	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,500,000	11,900,507	02/05/2015	02/05/2045	Interest Rate Swap			470328-AK-7	James Campbell Company LLC Senior Note Series 2014-E	2	13,500,000	11,900,507

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SCHEDULE DB - PART C - SECTION 1

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

Replication (Synthetic Asset) Transactions								Components of the Replication (Synthetic Asset) Transactions							
1	2	3	4	5	6	7	8	Derivative Instrument(s) Open			Cash Instrument(s) Held				
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	Description	Book/Adjusted Carrying Value	Fair Value	CUSIP	Description	NAIC Designation or Other Description	Book/Adjusted Carrying Value	Fair Value
57629*CZ2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,266,640	6,497,599	02/05/2015	02/05/2045	Interest Rate Swap			806713-AE-3	Schiller Park CLO LTD Series 2007-1A Class C	1	6,266,640	6,497,599
57629*CZ2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,428,214	6,491,318	02/05/2015	02/05/2045	Interest Rate Swap			39539X-AB-1	Greens Creek Funding Ltd Series 2007-1A Class A2	1	6,428,214	6,491,318
57629*CZ2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,335,956	6,216,152	02/05/2015	02/05/2045	Interest Rate Swap			55817X-AB-0	Madison Park Funding Ltd Series 2007-5A Class A1B	1	6,335,956	6,216,152
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	9,000,000	11,783,364	02/05/2015	02/05/2045	Interest Rate Swap		3,500,484	053635-AG-3	Avery Point II CLO Limited Series 2013-2A Class C	1	9,000,000	8,282,880
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,219,816	8,705,673	02/05/2015	02/05/2045	Interest Rate Swap			14310M-AG-2	Carlyle Global Mkt CLO 2014-1 Mezz Secd Def Nt Class C 144A	1	9,219,816	8,705,673
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,200,943	8,796,465	02/05/2015	02/05/2045	Interest Rate Swap			03764X-AC-1	Apidos CDO Series 2014-17A Class A2A	1	9,200,943	8,796,465
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,199,648	8,547,390	02/05/2015	02/05/2045	Interest Rate Swap			05363X-AG-2	Avery Point CLO Ltd Series 2014-5A Class C	1	9,199,648	8,547,390
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,932,804	8,478,778	02/05/2015	02/05/2045	Interest Rate Swap			50181G-AG-5	LCM Ltd Partnership Series 16A Class C	1	8,932,804	8,478,778
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,550,000	8,478,137	02/05/2015	02/05/2045	Interest Rate Swap			55852Y-AE-7	Magnetite VIII CLO Ltd Series 2014-8A Class C	1	8,550,000	8,478,137
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,600,590	8,092,404	02/05/2015	02/05/2045	Interest Rate Swap			00900A-AC-2	Aimco Series 2014-AA Class C1 Kingsland Ltd Series 2013-6A Class A1	1	8,600,590	8,092,404
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		21,934,968	21,043,534	02/05/2015	02/05/2045	Interest Rate Swap			49638W-AB-2	Denali Capital CLO X Ltd Series 2013-1A Class A3L	1	21,934,968	21,043,534
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,487,781	7,971,552	02/05/2015	02/05/2045	Interest Rate Swap			24823B-AE-0	Atlas Senior Loan Fund Ltd Series 2014-1A Class C	1	8,487,781	7,971,552
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,218,220	7,845,057	02/05/2015	02/05/2045	Interest Rate Swap			04941M-AC-9	Carlyle Global Mkt Strategies Sr Secd Note Class B-2 144A	1	8,218,220	7,845,057
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,200,801	8,096,961	02/05/2015	02/05/2045	Interest Rate Swap			14310V-AJ-6	Hillmark Funding Series 2006-1A Class A2	1	8,200,801	8,096,961
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,736,283	7,770,246	02/05/2015	02/05/2045	Interest Rate Swap			43164Q-AB-0	Bluemountain CLO 2013-2 Ltd Sr Sec Def Note Class C 144A	1	7,736,283	7,770,246
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,405,613	7,966,726	02/05/2015	02/05/2045	Interest Rate Swap			09626Y-AE-0	Cedar Creek CLO Ltd Series 2013-1A Class B	1	8,405,613	7,966,726
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		1,793,610	1,684,480	02/05/2015	02/05/2045	Interest Rate Swap			15015P-AB-1	Bluemountain CLO 2015-1 Ltd Sr Secd Deferrable Nt Class C	1	1,793,610	1,684,480
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		1,658,088	1,514,236	02/05/2015	02/05/2045	Interest Rate Swap			09627X-AG-6	Gramercy Park CLO LTD Cavalry CLO Ltd Series 2013-3A Class A	1	1,658,088	1,514,236
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,360,288	9,225,122	02/05/2015	02/05/2045	Interest Rate Swap			384895-AN-8	Dryden 33 Senior Loan Fund Series 2014-33A Class C	1	9,360,288	9,225,122
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		2,035,906	1,971,810	02/05/2015	02/05/2045	Interest Rate Swap			14954W-AA-4	Ozlm Funding Ltd Series 2013-4A Class A2	1	2,035,906	1,971,810
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	8,270,172	11,158,802	02/05/2015	02/05/2045	Interest Rate Swap		3,328,290	26249G-AC-4	Goldentree Loan Opp VIII Ltd Mezz Deferrable Nt Cl C 144A	1	8,270,172	7,830,512
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,382,348	7,773,254	02/05/2015	02/05/2045	Interest Rate Swap			67108F-AC-0	Greywolf CLO Ltd Series 2014-1A Class B	1	8,382,348	7,773,254
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,142,398	7,767,256	02/05/2015	02/05/2045	Interest Rate Swap			38137L-AE-9	Babson CLO Ltd 2014-II Sr Secd Note Class C 144A	1	8,142,398	7,767,256
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,110,286	7,718,976	02/05/2015	02/05/2045	Interest Rate Swap			39809F-AE-8	Octagon Inv Partners XVI Ltd Series 2013-1A Class A	1	8,110,286	7,718,976
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,130,118	7,280,352	02/05/2015	02/05/2045	Interest Rate Swap			05618L-AD-8	Symphony CLO Ltd Series 2012-9A Class C	1	8,130,118	7,280,352
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		26,208,583	25,567,334	02/05/2015	02/05/2045	Interest Rate Swap			67590B-AA-8	Cent CLO 18 Limited Series 2013-18A Class B	1	26,208,583	25,567,334
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		2,587,342	2,486,680	02/05/2015	02/05/2045	Interest Rate Swap			87155P-AD-6	Meredith Corp. Senior Note Series Q	2	2,587,342	2,486,680
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,850,000	7,448,402	02/05/2015	02/05/2045	Interest Rate Swap			15136R-AE-5	GT Loan Financing Ltd. Series 2013-1A Class B	1	7,850,000	7,448,402
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		46,150,000	43,160,311	02/05/2015	02/05/2045	Interest Rate Swap			589433-G8-4	Eaton Vance CDO Ltd Series 2006-8A Class B	1	46,150,000	43,160,311
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,455,577	7,288,868	02/05/2015	02/05/2045	Interest Rate Swap			36248M-AB-3		1	7,455,577	7,288,868
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		1,845,897	2,403,154	02/05/2015	02/05/2045	Interest Rate Swap			278287-AC-1		1	1,845,897	2,403,154

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SCHEDULE DB - PART C - SECTION 1

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

Replication (Synthetic Asset) Transactions								Components of the Replication (Synthetic Asset) Transactions							
1	2	3	4	5	6	7	8	Derivative Instrument(s) Open			Cash Instrument(s) Held				
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	9	10	11	12	13	14	15	16
								Description	Book/Adjusted Carrying Value	Fair Value	CUSIP	Description	NAIC Designation or Other Description	Book/Adjusted Carrying Value	Fair Value
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		1,810,711	1,917,680	02/05/2015	02/05/2045	Interest Rate Swap			38136A-AA-2	Goldentree Loan Opp III Ltd Secd Deferrable Nt Cl D-1 144A	1	1,810,711	1,917,680
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,016,293	12,727,030	02/05/2015	02/05/2045	Interest Rate Swap			24820R-AA-6	Statoil ASA Senior Unsecured Note	1	10,016,293	12,727,030
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2	625,000,000	404,202,381	446,281,910	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index	6,505,262	6,643,750	912828-PX-2	US Treasury 3.625% DUE 2/15/2021	1	397,697,119	439,638,160
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2		234,176,411	278,037,300	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index			76116F-AG-2	US Treasury 0% DUE 2/15/2021	1	234,176,411	278,037,300
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2	590,000,000	307,806,018	340,174,100	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index	5,757,573	6,271,700	912828-PX-2	US Treasury 3.625% DUE 2/15/2021 Resolution Funding Corp Principal Strip	1	302,048,445	333,902,400
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2		335,652,856	398,520,130	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index			76116F-AG-2	WABCO Holdings Inc Senior Note	1	335,652,856	398,520,130
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2	500,000,000	56,027,093	57,362,191	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index	5,227,093	5,315,000	92927K-AA-3	Series A ClearBridge Energy MLP Fund Senior Secured Note Ser A	2	50,800,000	52,047,191
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2		36,353,712	37,154,257	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index			184692-B8-9	Keyne Anderson Mdstm Egy Fd Senior Note Series D	1	36,353,712	37,154,257
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2		36,450,000	36,551,112	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index			48661E-B*-8	ETSA Utilities Finance Pty Ltd Gtd Senior Note Series B	1	36,450,000	36,551,112
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2		36,000,000	37,926,396	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index			Q3629-AG-8	Tortoise MLP Fund Inc. Senior Note Series D	1	36,000,000	37,926,396
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2		31,333,000	33,384,340	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index			89148B-B*-1	Yorkshire Water Svcs Bradford Gtd Senior Sec Note Cl A Ser 2	1	31,333,000	33,384,340
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2		27,300,000	29,408,597	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index			G98508-AB-9	Smith & Nephew plc Senior Note Series C	1	27,300,000	29,408,597
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2		28,250,000	29,237,818	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index			G8228*-AG-7	Transpower New Zealand Ltd Gtd Senior Note	1	28,250,000	29,237,818
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2		28,000,000	30,467,248	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index			Q91948-AF-4	Luxottica US Holdings Corp. Gtd Senior Note Series I	1	28,000,000	30,467,248
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2		22,600,000	25,042,608	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index			55068*-AK-5	Bermuda Government Senior Note Compass Group plc Senior Note Series K	1	22,600,000	25,042,608
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2		25,000,000	30,493,150	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index			085209-A*-1	Statoil ASA Senior Unsecured Note	1	25,000,000	30,493,150
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2		21,600,000	23,551,560	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index			G20448-AY-1	Polaris Industries Inc. Senior Note Series 2011 Tr B	1	21,600,000	23,551,560
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2		20,032,586	25,454,060	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index			24820R-AA-6	CSLB Holdings Inc. Gtd Senior Note Series C	1	20,032,586	25,454,060
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2		20,000,000	22,282,940	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index			731068-A8-1	CSLB Holdings Inc. Gtd Senior Note Series B	1	20,000,000	22,282,940
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2		17,550,000	19,013,301	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index			12656*-AC-6	ClearBridge Energy MLP Total R Senior Secured Note Series B	1	17,550,000	19,013,301
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2		15,800,000	17,089,106	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index			12656*-AB-8	Keyne Anderson Energy Rtn Fd Senior Note Series K	1	15,800,000	17,089,106
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2		9,464,993	9,842,088	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index			184690-A8-7	FREEF America REIT II Inc. Senior Note Series C	1	9,464,993	9,842,088
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2		12,015,385	12,329,107	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index			48660P-D8-0	Tortoise MLP Fund Inc. Senior Note Series D	1	12,015,385	12,329,107
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2		15,900,000	17,012,618	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index			749868-AM-3	Keyne Anderson Mdstm Egy Fd Senior Note Series C	1	15,900,000	17,012,618
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2		15,667,000	16,692,703	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index			89148B-B*-1	Keyne Anderson MLP Invest Co. Senior Note Series JJ	1	15,667,000	16,692,703
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2		5,355,000	5,609,850	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index			48661E-A*-5	Core Labs Interest Hldgs Inc. Senior Note Ser 2011A	2	5,355,000	5,609,850
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2		12,700,000	13,039,877	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index			486606-K8-4	Core Labs Interest Hldgs Inc. Senior Note Ser 2011B	2	12,700,000	13,039,877
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2		11,500,000	12,522,316	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index			21867*-AA-6	Aberdeen Asia-Pacific Income Senior Secured Note Series B	1	11,500,000	12,522,316
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2		11,400,000	12,423,287	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index			21867*-AB-4	Waters Corporation Gtd Senior Note Series E	2	11,400,000	12,423,287
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2		10,750,000	11,117,779	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index			003009-AG-6		1	10,750,000	11,117,779
Filed with the SVO and awaiting RSAT	Credit Default Indices (CDIG526/CDX.NA.IG.26)	2		12,000,000	12,575,136	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index			941848-C8-0		2	12,000,000	12,575,136

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STATEMENT AS OF MARCH 31, 2016 OF THE Massachusetts Mutual Life Insurance Company

SCHEDULE DB - PART C - SECTION 1

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

Replication (Synthetic Asset) Transactions								Components of the Replication (Synthetic Asset) Transactions							
1	2	3	4	5	6	7	8	Derivative Instrument(s) Open			Cash Instrument(s) Held				
Number	Description	NAIC Designation or Other Description	Notional Amount	Book/Adjusted Carrying Value	Fair Value	Effective Date	Maturity Date	Description	Book/Adjusted Carrying Value	Fair Value	CUSIP	Description	14 NAIC Designation or Other Description	Book/Adjusted Carrying Value	Fair Value
Filed with the SVO and awaiting RSAT	Credit Default Indices (CD1G026/CDX.NA.IG.26)	2		9,000,000	9,709,011	03/21/2016	06/20/2021	5 Yr Credit Default Swap Index			56081#-AL-4	Major League Baseball Trust Senior Note Series 6	1	9,000,000	9,709,011
Filed with the SVO and awaiting RSAT	Credit Default Indices (CD1G026/CDX.NA.IG.26)	2	250,000,000	37,128,804	37,685,514	03/21/2016	06/20/2026	10 Yr Credit Default Swap Index	(3,721,196)	(3,491,000)	Q3189*-AC-3	DEXUS Funds Mgmt Ltd Senior Note Series C	1	40,850,000	41,176,514
Filed with the SVO and awaiting RSAT	Credit Default Indices (CD1G026/CDX.NA.IG.26)	2		42,400,000	41,656,982	03/21/2016	06/20/2026	10 Yr Credit Default Swap Index			Q3920#-AG-4	Fonterra Co-operative Group Lt Senior Note	1	42,400,000	41,656,982
Filed with the SVO and awaiting RSAT	Credit Default Indices (CD1G026/CDX.NA.IG.26)	2		25,200,000	25,420,878	03/21/2016	06/20/2026	10 Yr Credit Default Swap Index			57169*-AU-1	Mars Inc. Senior Note Series K	1	25,200,000	25,420,878
Filed with the SVO and awaiting RSAT	Credit Default Indices (CD1G026/CDX.NA.IG.26)	2		24,000,000	23,118,720	03/21/2016	06/20/2026	10 Yr Credit Default Swap Index			41242*-AY-8	Hardwood Funding LLC Senior Secured Note Series W	1	24,000,000	23,118,720
Filed with the SVO and awaiting RSAT	Credit Default Indices (CD1G026/CDX.NA.IG.26)	2		21,400,000	21,461,118	03/21/2016	06/20/2026	10 Yr Credit Default Swap Index			038336-E8-8	AptarGroup Inc. Senior Note Ser 2014-A-4	1	21,400,000	21,461,118
Filed with the SVO and awaiting RSAT	Credit Default Indices (CD1G026/CDX.NA.IG.26)	2		3,059,098	3,180,235	03/21/2016	06/20/2026	10 Yr Credit Default Swap Index			184692-C*-0	ClearBridge Energy MLP Fund Senior Secured Note Series A	1	3,059,098	3,180,235
Filed with the SVO and awaiting RSAT	Credit Default Indices (CD1G026/CDX.NA.IG.26)	2		17,500,000	18,471,023	03/21/2016	06/20/2026	10 Yr Credit Default Swap Index			Q9194#-AC-1	Transpower New Zealand Ltd Senior Note Series C	1	17,500,000	18,471,023
Filed with the SVO and awaiting RSAT	Credit Default Indices (CD1G026/CDX.NA.IG.26)	2		17,600,000	18,604,362	03/21/2016	06/20/2026	10 Yr Credit Default Swap Index			12656*-AD-4	CSLB Holdings Inc. Gtd Senior Note Series D	1	17,600,000	18,604,362
Filed with the SVO and awaiting RSAT	Credit Default Indices (CD1G026/CDX.NA.IG.26)	2		17,600,000	16,872,768	03/21/2016	06/20/2026	10 Yr Credit Default Swap Index			655663-E#-5	Nordson Corp. Senior Note Series 2015-B	1	17,600,000	16,872,768
Filed with the SVO and awaiting RSAT	Credit Default Indices (CD1G026/CDX.NA.IG.26)	2		14,375,000	14,882,869	03/21/2016	06/20/2026	10 Yr Credit Default Swap Index			674003-A#-7	Oaktree Capital Mgmt LP Senior Note Series B	1	14,375,000	14,882,869
Filed with the SVO and awaiting RSAT	Credit Default Indices (CD1G026/CDX.NA.IG.26)	2		13,400,000	13,318,059	03/21/2016	06/20/2026	10 Yr Credit Default Swap Index			720186-F*-1	Piedmont Natural Gas Co. Senior Note Series B	1	13,400,000	13,318,059
Filed with the SVO and awaiting RSAT	Credit Default Indices (CD1G026/CDX.NA.IG.26)	2		13,800,000	15,468,765	03/21/2016	06/20/2026	10 Yr Credit Default Swap Index			G1109#-AG-3	British Land Company plc Senior Note Series D	1	13,800,000	15,468,765
Filed with the SVO and awaiting RSAT	Credit Default Indices (CD1G026/CDX.NA.IG.26)	2		12,500,000	14,407,513	03/21/2016	06/20/2026	10 Yr Credit Default Swap Index			G1744#-AM-0	Cadogan Estates Ltd Gtd Senior Note Series B	1	12,500,000	14,407,513
Filed with the SVO and awaiting RSAT	Credit Default Indices (CD1G026/CDX.NA.IG.26)	2		13,480,261	13,755,252	03/21/2016	06/20/2026	10 Yr Credit Default Swap Index			662325-B#-7	North Shore Gas Co. First Mtg Bond Series P	1	13,480,261	13,755,252
Filed with the SVO and awaiting RSAT	Credit Default Indices (CD1G026/CDX.NA.IG.26)	2	250,000,000	63,799,013	62,040,605	03/21/2016	06/20/2026	10 Yr Credit Default Swap Index	(3,600,987)	(3,491,000)	G5147*-AD-8	Johnson Matthey plc Senior Note Series D	1	67,400,000	65,531,605
Filed with the SVO and awaiting RSAT	Credit Default Indices (CD1G026/CDX.NA.IG.26)	2		64,200,000	70,688,630	03/21/2016	06/20/2026	10 Yr Credit Default Swap Index			Q0832*-AD-8	Australia Pacific Airport Pty Gtd Senior Note Ser C	1	64,200,000	70,688,630
Filed with the SVO and awaiting RSAT	Credit Default Indices (CD1G026/CDX.NA.IG.26)	2		55,000,000	57,949,375	03/21/2016	06/20/2026	10 Yr Credit Default Swap Index			G8781#-AC-1	Thames Water Util Cayman Fin Gtd Senior Sec Note Cl A Ser 3	1	55,000,000	57,949,375
Filed with the SVO and awaiting RSAT	Credit Default Indices (CD1G026/CDX.NA.IG.26)	2		54,500,000	55,275,753	03/21/2016	06/20/2026	10 Yr Credit Default Swap Index			553799-AE-7	MU Finance plc Gtd Senior Secured Note	1	54,500,000	55,275,753
Filed with the SVO and awaiting RSAT	Credit Default Indices (CD1G026/CDX.NA.IG.26)	2		45,000,000	49,071,735	03/21/2016	06/20/2026	10 Yr Credit Default Swap Index			838515-G*-9	South Jersey Gas Company First Mortgage Bond Ser C	1	45,000,000	49,071,735
9999999 - Totals				10,776,771,286	12,195,354,103	XXX	XXX	XXX	7,166,344	1,318,447,648	XXX	XXX	XXX	10,769,604,942	10,876,906,455

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STATEMENT AS OF MARCH 31, 2016 OF THE Massachusetts Mutual Life Insurance Company

SCHEDULE DB - PART C - SECTION 2

Replication (Synthetic Asset) Transactions Open

	First Quarter		Second Quarter		Third Quarter		Fourth Quarter		Year To Date	
	1 Number of Positions	2 Total Replication (Synthetic Asset) Transactions Statement Value	3 Number of Positions	4 Total Replication (Synthetic Asset) Transactions Statement Value	5 Number of Positions	6 Total Replication (Synthetic Asset) Transactions Statement Value	7 Number of Positions	8 Total Replication (Synthetic Asset) Transactions Statement Value	9 Number of Positions	10 Total Replication (Synthetic Asset) Transactions Statement Value
1. Beginning Inventory	90	9,986,000,000							90	9,986,000,000
2. Add: Opened or Acquired Transactions.....	18	3,715,000,000							18	3,715,000,000
3. Add: Increases in Replication (Synthetic Asset) Transactions Statement Value.....	XXX		XXX		XXX		XXX		XXX	
4. Less: Closed or Disposed of Transactions.....	28	3,812,000,000							28	3,812,000,000
5. Less: Positions Disposed of for Failing Effectiveness Criteria.....										
6. Less: Decreases in Replication (Synthetic Asset) Transactions Statement Value.....	XXX		XXX		XXX		XXX		XXX	
7. Ending Inventory	80	9,889,000,000							80	9,889,000,000

STATEMENT AS OF MARCH 31, 2016 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 Check
1.	Part A, Section 1, Column 14.....	3,436,418,755
2.	Part B, Section 1, Column 15 plus Part B, Section 1 Footnote - Total Ending Cash Balance.....	.....
3.	Total (Line 1 plus Line 2).....	3,436,418,755
4.	Part D, Section 1, Column 5.....	13,027,593,491
5.	Part D, Section 1, Column 6.....	(9,591,174,736)
6.	Total (Line 3 minus Line 4 minus Line 5).....	.....
		Fair Value Check
7.	Part A, Section 1, Column 16.....	4,747,700,155
8.	Part B, Section 1, Column 13.....	.....
9.	Total (Line 7 plus Line 8).....	4,747,700,155
10.	Part D, Section 1, Column 8.....	14,341,496,167
11.	Part D, Section 1, Column 9.....	(9,593,796,012)
12.	Total (Line 9 minus Line 10 minus Line 11).....	.....
		Potential Exposure Check
13.	Part A, Section 1, Column 21.....	5,090,193,498
14.	Part B, Section 1, Column 20.....	111,805,900
15.	Part D, Section 1, Column 11.....	5,201,999,398
16.	Total (Line 13 plus Line 14 minus Line 15).....	.....

SCHEDULE E - VERIFICATION

(Cash Equivalents)

	1	2
	Year To Date	Prior Year Ended December 31
1. Book/adjusted carrying value, December 31 of prior year	2,706,693,131	1,205,471,894
2. Cost of cash equivalents acquired	24,389,638,102	106,803,093,016
3. Accrual of discount	7,179,991	12,058,367
4. Unrealized valuation increase (decrease)		
5. Total gain (loss) on disposals	12,344	25,837
6. Deduct consideration received on disposals	24,582,273,497	105,313,955,979
7. Deduct amortization of premium	1,685	4
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)	2,521,248,386	2,706,693,131
11. Deduct total nonadmitted amounts		
12. Statement value at end of current period (Line 10 minus Line 11)	2,521,248,386	2,706,693,131