

QUARTERLY STATEMENT

OF THE

Massachusetts Mutual Life Insurance Company

TO THE

Insurance Department

OF THE

STATE OF

**FOR THE QUARTER ENDED
JUNE 30, 2015**

LIFE AND ACCIDENT AND HEALTH

2015



LIFE AND ACCIDENT AND HEALTH COMPANIES - ASSOCIATION EDITION

QUARTERLY STATEMENT

AS OF JUNE 30, 2015

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 Treasurer Todd Garrett Picken Secretary Pia Denise Flanagan 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 Elaine Anne Sarsynski Executive Vice President Elizabeth Ward Chicares Executive Vice President, Chief Enterprise Risk Officer and Chief Actuary

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 SS: County of Hampden

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

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

Subscribed and sworn to before me this day of 2015 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 JUNE 30, 2015 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	76,660,202,582		76,660,202,582	74,719,297,121
2. Stocks:				
2.1 Preferred stocks	614,583,040		614,583,040	524,694,819
2.2 Common stocks	9,317,448,737		9,317,448,737	9,128,287,238
3. Mortgage loans on real estate:				
3.1 First liens	20,389,303,984		20,389,303,984	19,356,684,887
3.2 Other than first liens.....				
4. Real estate:				
4.1 Properties occupied by the company (less \$ encumbrances)	171,594,021		171,594,021	167,622,973
4.2 Properties held for the production of income (less \$617,625,193 encumbrances)	698,171,915		698,171,915	607,611,722
4.3 Properties held for sale (less \$ encumbrances)	1,045,309		1,045,309	642,677
5. Cash (\$247,660,285), cash equivalents (\$1,566,772,737) and short-term investments (\$208,104,967)	2,022,537,989		2,022,537,989	1,880,018,093
6. Contract loans (including \$ premium notes)	11,363,693,031	971,222	11,362,721,809	11,154,830,517
7. Derivatives	7,728,464,251		7,728,464,251	8,530,592,049
8. Other invested assets	7,543,476,914	68,598,571	7,474,878,343	6,969,992,804
9. Receivables for securities	253,014,335		253,014,335	3,915,501
10. Securities lending reinvested collateral assets				
11. Aggregate write-ins for invested assets				
12. Subtotals, cash and invested assets (Lines 1 to 11)	136,763,536,108	69,569,793	136,693,966,315	133,044,190,401
13. Title plants less \$ charged off (for Title insurers only)				
14. Investment income due and accrued	2,010,335,916	1,409,932	2,008,925,984	1,710,174,389
15. Premiums and considerations:				
15.1 Uncollected premiums and agents' balances in the course of collection	110,103,786	4,858,209	105,245,577	124,747,380
15.2 Deferred premiums, agents' balances and installments booked but deferred and not yet due (including \$ earned but unbilled premiums)	582,846,273		582,846,273	592,103,755
15.3 Accrued retrospective premiums				
16. Reinsurance:				
16.1 Amounts recoverable from reinsurers	36,582,893		36,582,893	35,049,120
16.2 Funds held by or deposited with reinsured companies				
16.3 Other amounts receivable under reinsurance contracts	27,978,733		27,978,733	40,733,277
17. Amounts receivable relating to uninsured plans				
18.1 Current federal and foreign income tax recoverable and interest thereon	216,382,421		216,382,421	
18.2 Net deferred tax asset	1,130,302,377		1,130,302,377	958,830,087
19. Guaranty funds receivable or on deposit	28,569,874		28,569,874	29,019,327
20. Electronic data processing equipment and software	339,189,766	305,610,434	33,579,332	31,923,706
21. Furniture and equipment, including health care delivery assets (\$)	43,441,044	43,441,044		
22. Net adjustment in assets and liabilities due to foreign exchange rates				
23. Receivables from parent, subsidiaries and affiliates	54,912,941		54,912,941	58,637,136
24. Health care (\$) and other amounts receivable				
25. Aggregate write-ins for other than invested assets	1,078,737,854	915,049,515	163,688,339	179,238,460
26. Total assets excluding Separate Accounts, Segregated Accounts and Protected Cell Accounts (Lines 12 to 25)	142,422,919,986	1,339,938,927	141,082,981,059	136,804,647,038
27. From Separate Accounts, Segregated Accounts and Protected Cell Accounts	61,147,422,907		61,147,422,907	60,384,442,334
28. Total (Lines 26 and 27)	203,570,342,893	1,339,938,927	202,230,403,966	197,189,089,372
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. Fully refundable deposits, prepayments and other miscellaneous	171,097,379	105,767,081	65,330,298	79,829,406
2502. Employee insurance plan advances	39,323,939	57,217	39,266,722	38,561,617
2503. Investment in trust	35,192,596		35,192,596	36,283,306
2598. Summary of remaining write-ins for Line 25 from overflow page	833,123,940	809,225,217	23,898,723	24,564,131
2599. Totals (Lines 2501 through 2503 plus 2598)(Line 25 above)	1,078,737,854	915,049,515	163,688,339	179,238,460

STATEMENT AS OF JUNE 30, 2015 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 \$ 94,490,624,695 less \$ (including \$ 49,392,303 Modco Reserve) included in Line 6.3	94,490,624,695	90,679,671,843
2. Aggregate reserve for accident and health contracts (including \$ 51,370,759 Modco Reserve)	2,654,605,722	2,610,834,429
3. Liability for deposit-type contracts (including \$ Modco Reserve)	8,791,015,006	9,044,956,553
4. Contract claims:		
4.1 Life	319,702,004	328,774,184
4.2 Accident and health	23,569,737	23,812,968
5. Policyholders' dividends \$ 10,146,607 and coupons \$ due and unpaid	10,146,607	10,327,990
6. Provision for policyholders' dividends and coupons payable in following calendar year - estimated amounts:		
6.1 Dividends apportioned for payment (including \$ Modco)	1,599,279,199	1,568,905,844
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 \$ 10,463,201 accident and health premiums	33,337,106	27,972,242
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	16,286,550	14,403,870
9.3 Other amounts payable on reinsurance, including \$ 16,368,321 assumed and \$ 11,617,000 ceded	27,985,321	25,332,548
9.4 Interest Maintenance Reserve	484,985,305	628,009,087
10. Commissions to agents due or accrued-life and annuity contracts \$ 20,663,680 , accident and health \$ 481,439 and deposit-type contract funds \$ 11,844,024	32,989,143	28,485,303
11. Commissions and expense allowances payable on reinsurance assumed	5,284,798	4,977,134
12. General expenses due or accrued	739,674,534	903,087,683
13. Transfers to Separate Accounts due or accrued (net) (including \$ (216,743,442) accrued for expense allowances recognized in reserves, net of reinsured allowances)	(253,664,688)	(262,169,828)
14. Taxes, licenses and fees due or accrued, excluding federal income taxes	39,529,449	53,539,631
15.1 Current federal and foreign income taxes, including \$ on realized capital gains (losses)		176,880,789
15.2 Net deferred tax liability		
16. Unearned investment income	250,293,589	118,545,679
17. Amounts withheld or retained by company as agent or trustee	63,149,672	116,376,725
18. Amounts held for agents' account, including \$ agents' credit balances	259,202,331	258,144,803
19. Remittances and items not allocated	270,228,737	138,100,742
20. Net adjustment in assets and liabilities due to foreign exchange rates	4,937	36,888
21. Liability for benefits for employees and agents if not included above	174,553,245	176,498,890
22. Borrowed money \$ 268,726,541 and interest thereon \$ (13,979)	268,712,562	267,872,830
23. Dividends to stockholders declared and unpaid		
24. Miscellaneous liabilities:		
24.01 Asset valuation reserve	2,866,735,856	2,620,278,026
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	29,159,253	22,913,431
24.05 Drafts outstanding		
24.06 Liability for amounts held under uninsured plans		
24.07 Funds held under coinsurance		
24.08 Derivatives	4,955,795,253	5,423,727,278
24.09 Payable for securities	140,722,186	74,548,770
24.10 Payable for securities lending		
24.11 Capital notes \$ and interest thereon \$		
25. Aggregate write-ins for liabilities	8,139,518,735	7,498,434,458
26. Total liabilities excluding Separate Accounts business (Lines 1 to 25)	126,433,426,844	122,583,280,790
27. From Separate Accounts Statement	61,137,417,235	60,374,482,531
28. Total liabilities (Lines 26 and 27)	187,570,844,079	182,957,763,321
29. Common capital stock		
30. Preferred capital stock		
31. Aggregate write-ins for other than special surplus funds		
32. Surplus notes	2,231,343,859	1,740,221,149
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)	12,424,966,028	12,487,854,902
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 \$ 10,005,672 in Separate Accounts Statement)	14,659,559,887	14,231,326,051
38. Totals of Lines 29, 30 and 37	14,659,559,887	14,231,326,051
39. Totals of Lines 28 and 38 (Page 2, Line 28, Col. 3)	202,230,403,966	197,189,089,372
DETAILS OF WRITE-INS		
2501. Repurchase agreements and interest liability	5,276,924,401	4,659,311,242
2502. Derivative interest liability	1,503,903,436	1,391,657,399
2503. Derivative collateral	1,311,361,855	1,405,410,839
2598. Summary of remaining write-ins for Line 25 from overflow page	47,329,043	42,054,978
2599. Totals (Lines 2501 through 2503 plus 2598)(Line 25 above)	8,139,518,735	7,498,434,458
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	10,191,379,251	8,725,957,952	18,367,394,338
2. Considerations for supplementary contracts with life contingencies	7,015,177	7,346,926	15,205,660
3. Net investment income	2,959,096,717	3,111,236,329	6,140,050,815
4. Amortization of Interest Maintenance Reserve (IMR)	70,929,604	101,442,395	191,749,804
5. Separate Accounts net gain from operations excluding unrealized gains or losses	(18,629)	4,044	27,524
6. Commissions and expense allowances on reinsurance ceded	47,449,617	47,176,068	108,676,169
7. Reserve adjustments on reinsurance ceded	11,466,769	11,144,842	21,071,889
8. Miscellaneous Income:			
8.1 Income from fees associated with investment management, administration and contract guarantees from Separate Accounts	177,414,729	168,164,285	340,739,558
8.2 Charges and fees for deposit-type contracts			
8.3 Aggregate write-ins for miscellaneous income	186,910,121	193,177,503	405,442,924
9. Totals (Lines 1 to 8.3)	13,651,643,356	12,365,650,344	25,590,358,681
10. Death benefits	864,735,930	747,762,478	1,432,009,576
11. Matured endowments (excluding guaranteed annual pure endowments)	8,595,399	7,790,476	15,135,799
12. Annuity benefits	723,078,081	634,237,695	1,305,395,885
13. Disability benefits and benefits under accident and health contracts	184,004,352	175,923,444	353,840,796
14. Coupons, guaranteed annual pure endowments and similar benefits			
15. Surrender benefits and withdrawals for life contracts	6,257,915,200	6,527,251,743	13,125,050,310
16. Group conversions			
17. Interest and adjustments on contract or deposit-type contract funds	139,743,248	154,192,504	296,709,882
18. Payments on supplementary contracts with life contingencies	5,542,864	5,042,677	10,164,347
19. Increase in aggregate reserves for life and accident and health contracts	3,869,745,071	2,519,677,836	7,081,465,869
20. Totals (Lines 10 to 19)	12,053,360,145	10,771,878,853	23,619,772,464
21. Commissions on premiums, annuity considerations, and deposit-type contract funds (direct business only)	353,852,222	323,611,475	687,950,268
22. Commissions and expense allowances on reinsurance assumed	62,271,379	62,438,291	125,930,286
23. General insurance expenses	866,191,487	856,750,753	1,792,001,212
24. Insurance taxes, licenses and fees, excluding federal income taxes	105,412,790	99,352,660	200,415,440
25. Increase in loading on deferred and uncollected premiums	1,245,896	(2,974,755)	3,173,296
26. Net transfers to or (from) Separate Accounts net of reinsurance	(313,538,982)	138,803,145	(1,278,806,133)
27. Aggregate write-ins for deductions	(439,650,687)	(1,021,253,657)	(1,592,968,709)
28. Totals (Lines 20 to 27)	12,689,144,250	11,228,606,765	23,557,468,124
29. Net gain from operations before dividends to policyholders and federal income taxes (Line 9 minus Line 28)	962,499,106	1,137,043,579	2,032,890,557
30. Dividends to policyholders	757,892,380	716,769,858	1,553,324,172
31. Net gain from operations after dividends to policyholders and before federal income taxes (Line 29 minus Line 30)	204,606,726	420,273,721	479,566,385
32. Federal and foreign income taxes incurred (excluding tax on capital gains)	(110,147,456)	84,480,784	22,524,628
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)	314,754,182	335,792,937	457,041,757
34. Net realized capital gains (losses) (excluding gains (losses) transferred to the IMR) less capital gains tax of \$ 24,643,954 (excluding taxes of \$ 20,419,621 transferred to the IMR)	12,018,181	(9,295,661)	166,082,947
35. Net income (Line 33 plus Line 34)	326,772,363	326,497,276	623,124,704
CAPITAL AND SURPLUS ACCOUNT			
36. Capital and surplus, December 31, prior year	14,231,326,051	12,524,446,904	12,524,446,904
37. Net income (Line 35)	326,772,363	326,497,276	623,124,704
38. Change in net unrealized capital gains (losses) less capital gains tax of \$ (152,286,969)	(83,601,437)	970,963,906	2,021,875,603
39. Change in net unrealized foreign exchange capital gain (loss)	(27,319,308)	33,717,397	(239,973,391)
40. Change in net deferred income tax	2,943,715	(19,971,159)	103,819,922
41. Change in nonadmitted assets	(51,284,237)	(28,558,419)	(97,452,470)
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	(246,457,830)	(219,082,672)	(425,731,855)
45. Change in treasury stock			
46. Surplus (contributed to) withdrawn from Separate Accounts during period	(31,502)	(273)	(1,481)
47. Other changes in surplus in Separate Accounts Statement	64,499	707,348	631,676
48. Change in surplus notes	491,122,710	202,710	405,419
49. Cumulative effect of changes in accounting principles	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	13,407,435	(23,949,180)	(279,818,980)
54. Net change in capital and surplus for the year (Lines 37 through 53)	428,233,836	1,040,526,934	1,706,879,147
55. Capital and surplus, as of statement date (Lines 36 + 54)	14,659,559,887	13,564,973,838	14,231,326,051
DETAILS OF WRITE-INS			
08.301. Administrative fee and other income	186,910,121	193,177,503	405,442,924
08.302.			
08.303.			
08.398. Summary of remaining write-ins for Line 8.3 from overflow page			
08.399. Totals (Lines 08.301 through 08.303 plus 08.398) (Line 8.3 above)	186,910,121	193,177,503	405,442,924
2701. Change in reserves due to the RPG reinsurance agreement	(456,827,745)	(992,831,939)	(1,564,491,237)
2702. Market Value adjustment transfer	(5,995,405)	(24,910,165)	(36,614,551)
2703. Change in liability for employee/agent benefit plans	8,239,849	13,904,317	22,731,500
2798. Summary of remaining write-ins for Line 27 from overflow page	14,932,614	(17,415,870)	(14,594,421)
2799. Totals (Lines 2701 through 2703 plus 2798)(Line 27 above)	(439,650,687)	(1,021,253,657)	(1,592,968,709)
5301. Other changes in surplus	13,407,435	(23,949,180)	(123,157,060)
5302. Change in minimum pension liability			(156,661,920)
5303.			
5398. Summary of remaining write-ins for Line 53 from overflow page			
5399. Totals (Lines 5301 through 5303 plus 5398)(Line 53 above)	13,407,435	(23,949,180)	(279,818,980)

STATEMENT AS OF JUNE 30, 2015 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	10,230,625,877	8,753,735,749	18,305,215,153
2. Net investment income	2,897,266,000	2,994,259,429	6,132,932,993
3. Miscellaneous income	451,361,841	366,461,405	775,564,108
4. Total (Lines 1 to 3)	13,579,253,718	12,114,456,583	25,213,712,254
5. Benefit and loss related payments	8,420,345,557	9,095,031,366	16,962,527,715
6. Net transfers to Separate Accounts, Segregated Accounts and Protected Cell Accounts	(322,011,096)	131,792,120	(1,303,064,631)
7. Commissions, expenses paid and aggregate write-ins for deductions	1,115,196,904	492,744,136	1,074,035,464
8. Dividends paid to policyholders	727,700,407	674,632,846	1,471,367,840
9. Federal and foreign income taxes paid (recovered) net of \$ 381,959,357 tax on capital gains (losses)	335,911,594	(223,192,977)	10,025,424
10. Total (Lines 5 through 9)	10,277,143,366	10,171,007,491	18,214,891,812
11. Net cash from operations (Line 4 minus Line 10)	3,302,110,352	1,943,449,092	6,998,820,442
Cash from Investments			
12. Proceeds from investments sold, matured or repaid:			
12.1 Bonds	7,453,820,325	6,817,121,824	16,588,980,286
12.2 Stocks	692,376,180	421,397,098	666,240,604
12.3 Mortgage loans	894,197,512	844,833,988	1,733,777,081
12.4 Real estate		10,223,354	338,453,781
12.5 Other invested assets	424,424,609	868,346,804	1,593,464,390
12.6 Net gains or (losses) on cash, cash equivalents and short-term investments	6,477,601	3,196,405	673,426
12.7 Miscellaneous proceeds	(237,250,097)	(5,712,025)	282,851,094
12.8 Total investment proceeds (Lines 12.1 to 12.7)	9,234,046,130	8,959,407,448	21,204,440,662
13. Cost of investments acquired (long-term only):			
13.1 Bonds	9,273,378,627	10,267,287,634	23,720,804,162
13.2 Stocks	781,341,271	786,448,866	1,251,777,169
13.3 Mortgage loans	1,923,064,243	1,972,048,706	4,700,460,142
13.4 Real estate	140,569,939	186,932,595	144,058,274
13.5 Other invested assets	943,800,815	606,280,357	1,512,031,706
13.6 Miscellaneous applications	28,061,884	65,840,832	417,273,891
13.7 Total investments acquired (Lines 13.1 to 13.6)	13,090,216,779	13,884,838,990	31,746,405,344
14. Net increase (or decrease) in contract loans and premium notes	208,483,025	153,199,908	569,562,023
15. Net cash from investments (Line 12.8 minus Line 13.7 and Line 14)	(4,064,653,674)	(5,078,631,450)	(11,111,526,705)
Cash from Financing and Miscellaneous Sources			
16. Cash provided (applied):			
16.1 Surplus notes, capital notes	491,122,710	202,729	405,419
16.2 Capital and paid in surplus, less treasury stock			
16.3 Borrowed funds	838,902	6,628,245	17,903,055
16.4 Net deposits on deposit-type contracts and other insurance liabilities	(20,876,642)	40,694,792	81,583,534
16.5 Dividends to stockholders			
16.6 Other cash provided (applied)	433,978,248	1,633,520,549	1,694,830,609
17. Net cash from financing and miscellaneous sources (Line 16.1 through Line 16.4 minus Line 16.5 plus Line 16.6)	905,063,218	1,681,046,315	1,794,722,617
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)	142,519,896	(1,454,136,043)	(2,317,983,646)
19. Cash, cash equivalents and short-term investments:			
19.1 Beginning of year	1,880,018,093	4,198,001,739	4,198,001,739
19.2 End of period (Line 18 plus Line 19.1)	2,022,537,989	2,743,865,696	1,880,018,093

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

20.0001. Bond conversions and refinancing	888,224,920	399,369,780	1,065,550,505
20.0002. Premium recognized for a group annuity contract	816,524,224		
20.0003. Bonds received as consideration for a group annuity contract	812,352,541		
20.0004. Bank loan rollovers	91,422,027	75,436,194	625,096,322
20.0005. Transfer from partnerships and LLCs to real estate in connection with a change in accounting principle	23,950,611		
20.0006. Stock conversions	23,812,189	21,215,816	33,692,797
20.0007. Dividend reinvestment	13,098,502	22,638,152	50,601,746
20.0008. Partnerships and LLCs received as consideration for a group annuity contract	4,171,683		
20.0009. Interest capitalization for long-term debt	3,330,626	16,320,504	5,019,058

STATEMENT AS OF JUNE 30, 2015 OF THE Massachusetts Mutual Life Insurance Company

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

20.0010. Net investment income payment in-kind bonds	1,657,436	2,197,586	16,027,135
20.0011. Other invested assets stock distribution	1,500,448	1,400,287	3,640,331
20.0012. Mortgage loan issued in sale of real estate			150,000,000

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	2,639,207,818	2,399,561,294	5,384,678,458
3. Ordinary individual annuities	1,010,616,328	1,187,610,758	2,511,742,138
4. Credit life (group and individual)			
5. Group life insurance	671,749,307	581,422,259	1,235,746,123
6. Group annuities	5,066,370,300	3,626,372,841	7,509,047,618
7. A & H - group	87,300	69,317,910	191,566
8. A & H - credit (group and individual)			
9. A & H - other	343,725,524	268,283,006	680,017,873
10. Aggregate of all other lines of business			
11. Subtotal	9,731,756,577	8,132,568,068	17,321,423,776
12. Deposit-type contracts	630,487,198	748,810,685	948,813,973
13. Total	10,362,243,775	8,881,378,753	18,270,237,749
DETAILS OF WRITE-INS			
1001.			
1002.			
1003.			
1098. Summary of remaining write-ins for Line 10 from overflow page			
1099. Totals (Lines 1001 through 1003 plus 1098)(Line 10 above)			

NOTES TO FINANCIAL STATEMENTS

TABLE OF CONTENTS

- Note 1 – Summary of Significant Accounting Policies**
- Note 2 – Accounting Changes and Corrections of Errors**
- Note 3 – Business Combinations and Goodwill**
- Note 4 – Discontinued Operations**
- Note 5 – Investments**
- Note 6 – Joint Ventures, Partnerships and LLCs**
- Note 7 – Investment Income**
- Note 8 – Derivative Instruments**
- Note 9 – Income Taxes**
- Note 10 – Information Concerning Parent, Subsidiaries and Affiliates**
- Note 11 – Debt**
- Note 12 – Retirement Plans, Deferred Compensation, Postemployment Benefits and Compensated Absences and Other Postretirement Benefit Plans**
- Note 13 – Capital and Surplus, Shareholders' Dividend Restrictions and Quasi-Reorganizations**
- Note 14 – Liabilities, Contingencies and Assessments**
- Note 15 – Leases**
- Note 16 – Information About Financial Instruments With Off-Balance Sheet Risk and Financial Instruments With Concentrations of Credit Risk**
- Note 17 – Sale, Transfer and Servicing of Financial Assets and Extinguishments of Liabilities**
- Note 18 – Gain or Loss to the Reporting Entity from Uninsured Plans and the Uninsured Portion of Partially Insured Plans**
- Note 19 – Direct Premium Written/Produced By Managing General Agents/Third Party Administrators**
- Note 20 – Fair Value Measurements**
- Note 21 – Other Items**
- Note 22 – Events Subsequent**
- Note 23 – Reinsurance**
- Note 24 – Retrospectively Rated Contracts and Contracts Subject to Redetermination**
- Note 25 – Change in Incurred Losses and Loss Adjustment Expenses**
- Note 26 – Intercompany Pooling Arrangements**
- Note 27 – Structured Settlements**
- Note 28 – Health Care Receivables**
- Note 29 – Participating Policies**
- Note 30 – Premium Deficiency Reserves**
- Note 31 – Reserves for Life Contracts and Annuity Contracts**
- Note 32 – Analysis of Annuity Actuarial Reserves and Deposit Liabilities by Withdrawal Characteristics**
- Note 33 – Premium and Annuity Considerations Deferred and Uncollected**
- Note 34 – Separate Accounts**
- Note 35 – Loss/Claim Adjustment Expenses**

NOTES TO FINANCIAL STATEMENTS

Note 1 – Summary of Significant Accounting Policies

- 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 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).
- b. Use of estimates in the preparation of the financial statements – No significant changes
- c. Accounting policy:

(1-5) No significant changes

- (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 significant changes

Note 2 – Accounting Changes and Corrections of Errors

- a. For the six months ended June 30, 2015, corrections of prior year errors were recorded in surplus:

	Increase (Decrease) to:		Correction of Asset or Liability Balances
	Prior Year Net Income	Current Year Surplus	
	(In Millions)		
Policyholders' reserves, net of tax	\$ 11	\$ 11	\$ (11)
Policyholders' benefits, net of tax	4	4	(4)
Net investment income	(2)	(2)	(2)
Total	\$ 13	\$ 13	\$ (17)

For the six months ended June 30, 2014, corrections of prior year errors were recorded in surplus on a pre-tax basis with any associated tax corrections reported through net income:

	Decrease to:		Correction of Asset or Liability Balances
	Prior Year Income	Current Year Surplus	
	(In Millions)		
Policyholders' reserves	\$ (13)	\$ (13)	\$ 13
Other liabilities	(11)	(11)	11
Total	\$ (24)	\$ (24)	\$ 24

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

- b. Adoption of new accounting standards:
In December 2014, the NAIC issued Statement of Statutory Accounting Principles (SSAP) No. 40 Revised, "Real Estate Investments" (SSAP No. 40R), which was effective January 1, 2015, and requires that single real estate property investments that are directly and wholly-owned through a limited liability company (LLC) be accounted for, and reported as, directly owned real estate provided that certain criteria are met. For investments meeting the criteria that were previously reported within SSAP No. 48, "Joint Ventures, Partnerships and Limited Liability Companies" (SSAP No. 48), and owned as of the effective date, this guidance required that the Company recognize a cumulative effect of a change in accounting principle as if the entity had followed the revisions of SSAP No. 40R since acquisition of the property. As a result of the adoption of this guidance, the Company transferred \$24 million of a real estate asset held in a wholly-owned LLC from partnerships and LLCs to real estate and recorded a \$3 million increase to surplus as a cumulative effect of a change in accounting principle.

Note 3 – Business Combinations and Goodwill – No significant changes

Note 4 – Discontinued Operations – No significant changes

NOTES TO FINANCIAL STATEMENTS

Note 5 – Investments

- a. Mortgage loans, including mezzanine real estate loans – No significant changes
- b. Debt restructuring – No significant changes
- c. Reverse mortgages – No significant changes
- d. Loan-backed and structured securities:
 - (1) No significant changes
 - (2) The following contains loan-backed and structured securities that recognized other-than-temporary impairments (OTTI) classified on the following bases for recognizing OTTI:

	(1) Amortized Cost Basis Before OTTI	(2) OTTI Recognized in Loss		(3) Fair Value 1-(2a+2b)
		(2a) Interest	(2b) Non-interest	
(In Millions)				
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	18	-	-	18
c. Total first quarter	<u>\$ 18</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 18</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	67	-	2	65
f. Total second quarter	<u>\$ 67</u>	<u>\$ -</u>	<u>\$ 2</u>	<u>\$ 65</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	-	-	-	-
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	-	-	-	-
l. Total fourth quarter	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
m. Annual Aggregate Total		<u>\$ -</u>	<u>\$ 2</u>	

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

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

NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value at Time of OTTI	Date of Financial Instrument Where Reported
05948JAA0	\$ 140,272.10	\$ 134,123.48	\$ (6,148.62)	\$ 134,123.48	\$ 134,714.77	March 31, 2015
125435AA5	761,146.58	760,429.38	(717.20)	760,429.38	756,781.89	March 31, 2015
17307GKZ0	181,599.21	181,427.62	(171.59)	181,427.62	178,302.24	March 31, 2015
585525FC7	39,641.31	39,369.38	(271.93)	39,369.38	39,067.16	March 31, 2015
589929N38	442,399.12	440,825.92	(1,573.20)	440,825.92	427,585.66	March 31, 2015
61750MAB1	6,703.44	6,082.46	(620.98)	6,082.46	6,632.60	March 31, 2015
81744FDK0	1,457,921.03	1,443,546.61	(14,374.42)	1,443,546.61	1,418,067.40	March 31, 2015
86359DMC8	10,456,789.36	10,378,178.75	(78,610.61)	10,378,178.75	10,326,945.98	March 31, 2015
885220FS7	3,341,468.04	3,273,617.68	(67,850.36)	3,273,617.68	3,293,395.98	March 31, 2015
92922F2G2	56,110.80	55,440.74	(670.06)	55,440.74	54,572.94	March 31, 2015
939336KZ5	972,396.06	968,468.33	(3,927.73)	968,468.33	917,932.26	March 31, 2015
125435AA5	5,591,390.77	5,519,187.17	(72,203.60)	5,519,187.17	5,281,761.87	June 30, 2015
17307GKZ0	119,235.95	118,847.22	(388.73)	118,847.22	116,727.92	June 30, 2015
77277LAF4	29,050,737.79	28,226,832.71	(823,905.08)	28,226,832.71	33,335,201.70	June 30, 2015
77277LAH0	1,453,924.32	1,413,733.82	(40,190.50)	1,413,733.82	3,212,064.00	June 30, 2015
77277LAJ6	20,587,172.84	20,018,166.32	(569,006.52)	20,018,166.32	20,976,785.46	June 30, 2015
86359DMC8	10,122,465.03	9,943,818.17	(178,646.86)	9,943,818.17	10,030,934.28	June 30, 2015
Totals	\$ 84,781,373.75	\$ 82,922,095.76	\$ (1,859,277.99)	\$ 82,922,095.76	\$ 90,507,474.11	

(4) As of June 30, 2015, 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 (in millions):

a. The aggregate amount of unrealized losses:	
1. Less than 12 months	\$ (52)
2. 12 months or longer	\$ (68)
b. The aggregate related fair value of securities with unrealized losses:	
1. Less than 12 months	\$ 4,508
2. 12 months or longer	\$ 2,486

(5) No significant changes

- e. Repurchase agreements – No significant changes
- f. Real estate – No significant changes
- g. Low income housing tax credit properties – No significant changes
- h. Restricted assets – No significant changes
- i. Working capital finance investments – The Company does not invest in working capital finance investments.
- j. The Company reports assets and liabilities as gross in the financial statements without offsetting.
- k. Structured notes - No significant changes

Note 6 – Joint Ventures, Partnerships and LLCs - No significant changes

Note 7 – Investment Income – No significant changes

Note 8 – Derivative Instruments - No significant changes

Note 9 – Income Taxes – No significant changes

Note 10 – Information Concerning Parent, Subsidiaries and Affiliates

a-f. No significant changes

- g. MassMutual Holding LLC's (MMHLLC) subsidiaries are involved in litigation and investigations arising in the ordinary course of their business, which seek both compensatory and 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 significant changes

Note 11 – Debt

- a. No significant changes
- 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 \$2.0 billion. The Company's unused capacity was \$1.1 billion as of June 30, 2015.

NOTES TO FINANCIAL STATEMENTS

(2) FHLB Boston capital stock

a. Aggregate totals:

1. Current year:

June 30, 2015			
	1	2	3
	Total 2+3	General Account	Separate Account
(In Millions)			
(a) Membership stock - class A	\$ -	\$ -	\$ -
(b) Membership stock - class B	25	25	-
(c) Activity stock	32	32	-
(d) Excess stock	-	-	-
(e) Aggregate total	<u>\$ 57</u>	<u>\$ 57</u>	<u>\$ -</u>
(f) Actual borrowing capacity as determined by the Insurer	\$ 1,072	\$ 1,072	\$ -

2. Prior year-end:

December 31, 2014			
	1	2	3
	Total 2+3	General Account	Separate Account
(In Millions)			
(a) Membership stock - class A	\$ -	\$ -	\$ -
(b) Membership stock - class B	25	25	-
(c) Activity stock	32	32	-
(d) Excess stock	-	-	-
(e) Aggregate total	<u>\$ 57</u>	<u>\$ 57</u>	<u>\$ -</u>
(f) Actual borrowing capacity as determined by the Insurer	\$ 1,206	\$ 1,206	\$ -

b. Membership stock (class A and B) eligible for redemption:

Six Months Ended June 30, 2015						
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
(In Millions)						
1. Class A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2. Class B	25	25	-	-	-	-

NOTES TO FINANCIAL STATEMENTS

(3) Collateral pledged to FHLB:

a. Amount pledged as of June 30, 2015 (in millions):

1. Current year total general and separate accounts:

	Fair Value	Carrying Value	Aggregate Total Borrowing
Total collateral pledged	\$ 843	\$ 716	\$ 701

2. Current year general account:

	Fair Value	Carrying Value	Aggregate Total Borrowing
Total collateral pledged	\$ 843	\$ 716	\$ 701

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	\$ 855	\$ 723	\$ 701

b. Maximum amount pledged for the six months ended June 30, 2015 (in millions):

1. Current year total general and separate accounts:

	Fair Value	Carrying Value	Amount Borrowed at Time of Maximum Collateral
Maximum collateral pledged	\$ 862	\$ 730	\$ 706

2. Current year general account:

	Fair Value	Carrying Value	Amount Borrowed at Time of Maximum Collateral
Maximum collateral pledged	\$ 862	\$ 730	\$ 706

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	\$ 855	\$ 723	\$ 701

NOTES TO FINANCIAL STATEMENTS

(4) Borrowing from FHLB:

a. Amount:

1. Current year:

June 30, 2015			
1 Total 2+3	2 General Account	3 Separate Account	4 Funding Agreements Reserves Established
(In Millions)			
(a) Debt	\$ -	\$ -	\$ -
(b) Funding agreements	701	701	701
(c) Other	-	-	-
(d) Aggregate total	<u>\$ 701</u>	<u>\$ 701</u>	<u>\$ 701</u>

2. Prior Year-end:

December 31, 2014			
1 Total 2+3	2 General Account	3 Separate Account	4 Funding Agreements Reserves Established
(In Millions)			
(a) Debt	\$ -	\$ -	\$ -
(b) Funding agreements	701	701	701
(c) Other	-	-	-
(d) Aggregate total	<u>\$ 701</u>	<u>\$ 701</u>	<u>\$ 701</u>

b. Maximum Amount:

Six Months Ended June 30, 2015		
1 Total 2+3	2 General Account	3 Separate Account
(In Millions)		
1. Debt	\$ -	\$ -
2. Funding	706	706
3. Other	-	-
4. Aggregate	<u>\$ 706</u>	<u>\$ 706</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

(1-3) No significant changes

	Six Months Ended June 30,							
	2015		2014		2015		2014	
	Pension Benefits		Postretirement Benefits		Postemployment Benefits			
(In Millions)								
(4) Components of net periodic benefit cost:								
a. Service cost	\$ 36	\$ 36	\$ 4	\$ 4	\$ 2	\$ 3		
b. Interest cost	51	54	7	8	-	1		
c. Expected return on plan assets	(78)	(72)	-	-	-	-		
d. Transition asset or obligation	-	1	-	-	-	-		
e. Gains and losses	33	31	2	-	-	-		
f. Prior service cost or credit	2	4	2	2	-	-		
g. Gain or loss recognized due to a settlement or curtailment	-	-	-	-	-	-		
h. Total net periodic benefit cost	<u>\$ 44</u>	<u>\$ 54</u>	<u>\$ 15</u>	<u>\$ 14</u>	<u>\$ 2</u>	<u>\$ 4</u>		

(5-21) No significant changes

b-j. No significant changes

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

(1-3) No significant changes

NOTES TO FINANCIAL STATEMENTS

- (4) The Company received \$150 million and \$50 million of cash dividends, recorded in net investment income from MMHLLC in 2015 and 2014, respectively.

The Company contributed capital of \$11 million to MMHLLC through the six months ended June 30, 2015. No capital contribution was made to MMHLLC through the six months ended June 30, 2014.

- (5-10) No significant changes

- (11) Surplus notes:

The following summarizes the surplus notes issued and outstanding as of June 30, 2015 (\$ in millions):

Date Issued	Interest Rate	Par Value (Face Amount of Notes)	Carrying Value of Note*	Interest And/Or Principal Paid Current Year	Total Interest And/Or Principal Paid	Unapproved Interest And/Or Principal	Date of Maturity
11/15/1993	7.625%	\$ 250	\$ 250	\$ 10	\$ 410	\$ 2	11/15/2023
03/01/1994	7.500%	100	100	4	157	3	03/01/2024
05/12/2003	5.625%	250	249	7	169	2	05/15/2033
06/01/2009	8.875%	750	742	33	399	5	06/01/2039
01/17/2012	5.375%	400	399	11	73	2	12/01/2041
04/15/2015	4.500%	500	491	-	-	5	04/15/2065
Total		\$ 2,250	\$ 2,231	\$ 65	\$ 1,208	\$ 19	

* Total agrees with Page 3, Line 32.

These notes are unsecured and subordinate to all present and future indebtedness of the Company, all policy claims and all prior claims against the Company as provided by the Massachusetts General Laws. The surplus notes are all held by bank custodians for unaffiliated investors. All issuances were approved by the Division.

All payments of interest and principal are subject to the prior approval of the Division. Anticipated sinking fund payments are due for the notes issued in 1993 and 1994 as follows: \$62 million in 2021, \$88 million in 2022, \$150 million in 2023 and \$50 million in 2024. There are no sinking fund requirements for the notes issued in 2003, 2009, 2012 or 2015. Scheduled interest on the notes issued in 1993 and 2003 is payable on May 15 and November 15 of each year to holders of record on the preceding May 1 or November 1, respectively. Scheduled interest on the note issued in 1994 is payable on March 1 and September 1 of each year to holders of record on the preceding February 15 or August 15, respectively. Scheduled interest on the notes issued in 2009 and 2012 is payable on June 1 and December 1 of each year to holders of record on the preceding May 15 and November 15, respectively. Scheduled interest on the note issued in 2015 is payable on April 15 and October 15 of each year to holders of record on the preceding April 1 and October 1, respectively. Interest expense is not recorded until approval for payment is received from the Division. As of June 30, 2015, the unapproved interest was \$19 million. Through June 30, 2015, the Company paid cumulative interest of \$1,208 million on surplus notes. Interest of \$64 million was approved and paid during the six months ended June 30, 2015.

- (12-13) No significant changes

Note 14 – Liabilities, Contingencies and Assessments

- a. Contingent commitments - In the normal course of business, the Company enters into letter of credit arrangements. As of June 30, 2015 and December 31, 2014, the Company had approximately \$161 million and \$63 million, respectively, of outstanding letter of credit arrangements. As of June 30, 2015 and December 31, 2014, the Company did not have any funding requests attributable to these letter of credit arrangements.
- b. Assessments - No significant changes
- c. Gain contingencies - No significant changes
- d. Claims related to extra contractual obligations - No significant changes
- e. All other contingencies:
The Company is involved in litigation arising in the normal course of business, which seeks both compensatory and 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. (Tremont) and certain of its affiliates, and certain of their respective current or former officers and directors, as defendants. The plaintiffs allege a variety of state law and federal security claims against the defendants. The cases are in various stages of litigation. The Company believes it has substantial defenses and will continue to vigorously defend itself in these actions. In March 2015, Tremont recorded a liability for the estimated probable amount of the loss it expected to incur in connection with certain of these lawsuits, which did not have a significant impact on the Company. 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 the remaining suits.

NOTES TO FINANCIAL STATEMENTS

In 2009, several lawsuits were filed as putative class actions and later consolidated before the U.S. District Court for the District of 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 claim 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 in the California Fund Suit filed an amended complaint and defendants filed a motion to dismiss. In 2011, the court issued an order that granted in part and denied in part the defendants' motion to dismiss. In 2012, plaintiffs filed a motion, which defendants opposed, to certify a class and appoint class representatives and class counsel. In March 2015, the court granted plaintiffs' class certification motion. In May 2015, the U.S. Court of Appeals for the Tenth Circuit issued an order vacating the district court's class certification order and remanded the matter to the district court for further proceedings. The district court subsequently scheduled an evidentiary hearing for July 21, 2015 to determine whether class certification is appropriate in the California Fund Suit. 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 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 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 June 2014, the parties participated in a mediation of their dispute, which did not result in a settlement. The parties have filed briefs on the issue of class certification and hearings were held in March 2015 and June 2015. 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 2011, Golden Star, Inc. (Golden Star), plan administrator of the Golden Star Administrative Associates 401(k) Plan and Golden Star Bargaining Associates 401(k) Plan, filed a putative class action lawsuit in the U.S. District Court for the District of Massachusetts against the Company. Golden Star alleges, among other things, that the Company breached its alleged fiduciary duties while performing services to 401(k) plans and that certain of its actions constituted "Prohibited Transactions" under the Employee Retirement Income Security Act of 1974. In June 2014, the Company recorded a liability for the estimated probable amount of the loss it expected to incur in connection with this lawsuit, which did not have a significant impact on the Company. In October 2014, the parties filed a motion for preliminary approval of a settlement, which the court granted in December 2014.

In 2012, Karen Bacchi filed a putative class action complaint against the Company in federal court alleging that the Company breached its contracts by allegedly failing to distribute surplus in excess of the statutorily prescribed limit. The court denied the Company's motion to dismiss and the parties are engaged 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 2013, seven participants in the MassMutual Thrift Plan (the Plan) filed a putative class action complaint in the U.S. District Court for the District of Massachusetts. The complaint alleges, among other things, that the Company, the Investment Fiduciary Committee, the Plan Administrative Committee and individually named "fiduciaries" breached their duties by allowing the Plan to pay excessive fees and by engaging in self-dealing by limiting investment options primarily to the Company proprietary products. All defendants filed a joint motion to dismiss in January 2014, which the court denied without prejudice in March 2015 pending the outcome of a U.S. Supreme Court case which occurred in June 2015. All defendants are expected to file renewal motions to dismiss. 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.

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 significant changes

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

NOTES TO FINANCIAL STATEMENTS

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

- a. Transfers of receivables reported as sales – No significant changes
- b. Transfer and Servicing of Financial Assets:
- (1) The Company did not participate in securities lending as of June 30, 2015 or December 31, 2014.
 - (2) The Company did not have any servicing assets or liabilities in 2015 or 2014.
 - (3) The Company did not have any servicing assets or liabilities in 2015 or 2014.
 - (4) The Company did not have interests that continue to be held by a transferor in securitized financial assets in 2015 or 2014.
 - (5) The Company did not have any transfers of financial assets accounted for as secured borrowing in 2015 or 2014.
 - (6) The Company did not have any transfers of receivables with recourse in 2015 or 2014.
 - (7) Repurchase agreements - no significant changes
- c. Wash sales:
- (1) In the course of the Company's investment management activities, securities may be sold and reacquired within 30 days of the sale date.
 - (2) The Company did not sell any securities with the NAIC Designation 3 or below through the second quarter ended June 30, 2015 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 significant changes

Note 19 – Direct Premium Written/Produced By Managing General Agents/Third Party Administrators – No significant changes

Note 20 – Fair Value Measurements

- a. Fair value as defined and unique level descriptions – No significant changes

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

	June 30, 2015			
	Level 1	Level 2	Level 3	Total
	(In Millions)			
Financial assets:				
Bonds:				
Special revenue	\$ -	\$ 2	\$ -	\$ 2
Industrial and miscellaneous	-	25	15	40
Parent, subsidiaries and affiliates	-	12	79	91
Preferred stocks	-	-	2	2
Common stock - unaffiliated	562	442	165	1,169
Common stock - subsidiaries and affiliates	518	113	89	720
Separate account assets	40,579	19,888	680	61,147
Derivatives:				
Interest rate swaps	-	6,821	-	6,821
Options	-	538	-	538
Currency swaps	-	328	-	328
Forward contracts	-	19	-	19
Credit default swaps	-	1	-	1
Total financial assets carried at fair value	\$ 41,659	\$ 28,189	\$ 1,030	\$ 70,878
Financial liabilities:				
Derivatives:				
Interest rate swaps	\$ -	\$ 4,803	\$ -	\$ 4,803
Options	-	4	-	4
Currency swaps	-	83	-	83
Forward contracts	-	59	-	59
Credit default swaps	-	4	-	4
Total financial liabilities carried at fair value	\$ -	\$ 4,953	\$ -	\$ 4,953

For the six months ended June 30, 2015, there were no significant transfers between Level 1 and Level 2.

NOTES TO FINANCIAL STATEMENTS

	December 31, 2014			
	Level 1	Level 2	Level 3	Total
	(In Millions)			
Financial assets:				
Bonds:				
All other governments	\$ -	\$ 4	\$ -	\$ 4
Industrial and miscellaneous	-	33	109	142
Parent, subsidiaries and affiliates	-	10	79	89
Preferred stocks	-	-	3	3
Common stock - unaffiliated	587	441	160	1,188
Common stock - subsidiaries and affiliates	515	117	81	713
Separate account assets	40,104	19,680	600	60,384
Derivatives:				
Interest rate swaps	-	7,688	-	7,688
Options	-	524	-	524
Currency swaps	-	233	-	233
Forward contracts	-	70	-	70
Credit default swaps	-	-	-	-
Total financial assets carried at fair value	\$ 41,206	\$ 28,800	\$ 1,032	\$ 71,038
Financial liabilities:				
Derivatives:				
Interest rate swaps	\$ -	\$ 5,359	\$ -	\$ 5,359
Options	-	9	-	9
Currency swaps	-	45	-	45
Forward contracts	-	3	-	3
Credit default swaps	-	5	-	5
Total financial liabilities carried at fair value	\$ -	\$ 5,421	\$ -	\$ 5,421

For the year ended December 31, 2014, 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 01/01/2015	Transfers ⁽¹⁾		Gains (Losses) in Net Income	Gains (Losses) in Surplus	Purchases	Issuances	Sales	Settlements	Balance as of 06/30/2015
		In	Out							
(In Millions)										
Financial assets:										
Bonds:										
Industrial and miscellaneous	\$ 109	\$ -	\$ (84)	\$ (6)	\$ (1)	\$ -	\$ 3	\$ -	\$ (6)	\$ 15
Parent, subsidiaries and affiliates	79	-	-	-	(5)	19	2	-	(16)	79
Preferred stock	3	-	(1)	-	-	-	-	-	-	2
Common stock - unaffiliated	160	-	(5)	3	5	7	-	(5)	-	165
Common stock - subsidiaries and affiliates	81	4	-	5	3	460	26	(464)	(26)	89
Separate account assets	600	-	-	10	-	116	-	(46)	-	680
Total financial assets	\$ 1,032	\$ 4	\$ (90)	\$ 12	\$ 2	\$ 602	\$ 31	\$ (515)	\$ (48)	\$ 1,030

⁽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.

NOTES TO FINANCIAL STATEMENTS

	Balance		Gains		Gains					Balance
	as of	Transfers ⁽¹⁾	(Losses) in	(Losses) in	Purchases	Issuances	Sales	Settlements ⁽²⁾	as of	
	01/01/2014	In	Out	Net Income	Surplus					12/31/2014
(In Millions)										
Financial assets:										
Bonds:										
Industrial and miscellaneous	\$ 23	\$ -	\$ (13)	\$ -	\$ (13)	\$ 3	\$ 117	\$ -	\$ (8)	\$ 109
Parent, subsidiaries, and affiliates	-	53	-	-	(6)	20	96	-	(84)	79
Preferred Stock	1	-	(1)	-	-	3	-	-	-	3
Common stock - unaffiliated	185	3	-	(71)	40	9	4	(4)	(6)	160
Common stock - subsidiaries and affiliates	35	-	-	(1)	(3)	103	2	(34)	(21)	81
Separate account assets	490	-	-	82	-	238	-	(320)	110	600
Total financial assets	\$ 734	\$ 56	\$ (14)	\$ 10	\$ 18	\$ 376	\$ 219	\$ (358)	\$ (9)	\$ 1,032

⁽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.

⁽²⁾The fair value of real estate separate accounts is carried net of encumbrances on the Page 2 Assets and the change in encumbrances is included in the settlements within separate account assets.

3. Fair value hierarchy classifications – No significant changes
 4. Valuation techniques and inputs – No significant changes
 5. Derivative assets and liabilities fair value disclosures – No significant changes
- b. The Company provides additional fair value information in Notes 1, 5, 8, 21, 32 and 34.
- c. The following presents a summary of the carrying values and fair values of the Company's financial instruments:

	June 30, 2015					Not Practicable (Carrying Value)
	Aggregate Fair Value	Admitted Assets	Level 1	Level 2	Level 3	
(In Millions)						
Financial assets:						
Bonds:						
U. S. government and agencies	\$ 7,919	\$ 7,314	\$ -	\$ 7,913	\$ 6	\$ -
All other governments	662	642	-	591	71	-
States, territories and possessions	814	770	-	814	-	-
Political subdivisions	551	521	-	551	-	-
Special revenue	6,253	5,582	-	6,212	41	-
Industrial and miscellaneous	58,094	56,450	-	35,923	22,171	-
Parent, subsidiaries and affiliates	5,605	5,381	-	780	4,825	-
Preferred stocks	647	615	16	41	590	-
Common stocks - unaffiliated	1,169	1,169	562	442	165	-
Common stocks - subsidiaries and affiliates ⁽¹⁾	720	720	518	113	89	-
Mortgage loans - commercial	19,207	18,655	-	-	19,207	-
Mortgage loans - residential	1,690	1,734	-	-	1,690	-
Cash, cash equivalents and short-term investments	2,023	2,023	248	1,775	-	-
Separate account assets	61,147	61,147	40,579	19,888	680	-
Derivatives:						
Interest rate swaps	7,043	6,821	-	7,043	-	-
Options	538	538	-	538	-	-
Currency swaps	328	328	-	328	-	-
Forward contracts	19	19	-	19	-	-
Credit default swaps	18	22	-	18	-	-
Financial liabilities:						
Commercial paper and other borrowed money	269	269	-	250	19	-
Repurchase agreements	5,274	5,274	-	5,274	-	-
Guaranteed interest contracts	4,239	4,208	-	-	4,239	-
Group annuity contracts and other deposits	18,567	17,244	-	-	18,567	-
Individual annuity contracts	7,216	6,270	-	-	7,216	-
Supplementary contracts	1,096	1,095	-	-	1,096	-
Derivatives:						
Interest rate swaps	4,983	4,803	-	4,983	-	-
Options	4	4	-	4	-	-
Currency swaps	83	83	-	83	-	-
Forward contracts	59	59	-	59	-	-
Credit default swaps	3	7	-	3	-	-

⁽¹⁾Common stocks - affiliates do not include MMHLLC, which had a statutory carrying value of \$5,731 million, C.M. Life, which had a statutory carrying value of \$1,322 million, MSC Holding Company, LLC, which had a statutory carrying value of \$359 million, and MassMutual Trust Company, which had a statutory carrying value of \$16 million.

NOTES TO FINANCIAL STATEMENTS

December 31, 2014

	Aggregate Fair Value	Admitted Assets	Level 1	Level 2	Level 3	Not Practicable (Carrying Value)
(In Millions)						
Financial assets:						
Bonds:						
U. S. government and agencies	\$ 8,206	\$ 7,395	\$ -	\$ 8,199	\$ 7	\$ -
All other governments	560	526	-	486	74	-
States, territories and possessions	1,884	1,735	-	1,868	16	-
Political subdivisions	540	493	-	517	23	-
Special revenue	5,384	4,562	-	5,266	118	-
Industrial and miscellaneous	57,323	54,482	-	36,313	21,010	-
Parent, subsidiaries and affiliates	5,779	5,526	-	646	5,133	-
Preferred stocks	531	525	1	14	516	-
Common stock - unaffiliated	1,188	1,188	587	441	160	-
Common stock - subsidiaries and affiliates ⁽¹⁾	713	713	515	117	81	-
Mortgage loans - commercial	18,204	17,585	-	-	18,204	-
Mortgage loans - residential	1,738	1,772	-	-	1,738	-
Cash, cash equivalents and short-term investments	1,880	1,880	303	1,577	-	-
Separate account assets	60,384	60,384	40,104	19,680	600	-
Derivatives:						
Interest rate swaps	8,136	7,688	-	8,136	-	-
Options	524	524	-	524	-	-
Currency swaps	233	233	-	233	-	-
Forward contracts	70	70	-	70	-	-
Credit default swaps	18	16	-	18	-	-
Financial liabilities:						
Commercial paper	268	268	-	250	18	-
Repurchase agreements	4,658	4,658	-	4,658	-	-
Guaranteed investment contracts	4,301	4,218	-	-	4,301	-
Group annuity contracts and other deposits	18,446	17,454	-	-	18,446	-
Individual annuity contracts	7,365	6,394	-	-	7,365	-
Supplementary contracts	1,041	1,040	-	-	1,041	-
Derivatives:						
Interest rate swaps	5,368	5,359	-	5,368	-	-
Options	9	9	-	9	-	-
Currency swaps	45	45	-	45	-	-
Forward contracts	3	3	-	3	-	-
Credit default swaps	7	8	-	7	-	-

⁽¹⁾Does not include MMHLLC, which had a statutory carrying value of \$5,549 million, C.M. Life, which had a statutory carrying value of \$1,304 million, MSC Holding Company, LLC, which had a statutory carrying value of \$359 million, and MassMutual Trust Company, which had a statutory carrying value of \$15 million.

- d. For the six months ended June 30, 2015, the Company had no investments where it was not practicable to estimate fair value.

Note 21 – Other Items

- a. Extraordinary items – No significant changes
- b. Troubled debt restructuring – No significant changes
- 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 \$2,525 million and \$2,409 million as of June 30, 2015 and December 31, 2014, respectively. The current fair value of MMHLLC remains significantly greater than its statutory carrying value.

On April 23, 2015 the Company entered into an agreement to assume liabilities associated with certain guaranteed interest contracts. The transaction closed on July 8, 2015 and resulted in an increase in the Company's invested assets and policyholder account balances of approximately \$680 million, with no impact on surplus. The transaction will be reflected in the Company's financial statements for the period ending September 30, 2015.

Business risks

The Company operates in a business environment subject to various risks and uncertainties. Such risks and uncertainties include, but are not limited to, currency exchange risk, interest rate risk and credit risk. Interest rate risk is the potential for interest rates to change, which can cause fluctuations in the value of investments and amounts due to policyholders. To the extent that fluctuations in interest rates cause the duration of assets and liabilities to differ, the Company mitigates its exposure to this risk by, among other things, asset/liability management techniques that account for the cash flow characteristics of the assets and liabilities. This quarterly risks and uncertainties disclosure should be read in conjunction with the statutory disclosure in the Company's 2014 year end annual financial statements.

NOTES TO FINANCIAL STATEMENTS

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 prespecified exchange of interest and principal. Forward contracts are used to hedge movements in exchange rates.

Investment and interest rate risks

Investment earnings can be influenced by a number 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.

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 slower amortization or prepayment speeds than 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.

Credit and other market risks

Credit risk is the risk that issuers of investments owned by the Company may default or that other parties may not be able to pay amounts due to the Company. The Company manages its investments to limit credit risk by diversifying its portfolio among various security types and industry sectors as well as purchasing credit default swaps to transfer some of the risk.

The Company has investments in European debt. Underlying concerns over the macro-economic outlook and debt burden of certain parts of the Eurozone, and other countries remain, but the Company does not have significant exposure to the debt of companies and governments in these countries. With a weaker economic outlook in certain parts of the world it may lead to an increase in reported default rates or contagion to stock or other markets around the world. These events could have impacts on the broader environment resulting in volatility in other world economies and financial markets.

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

	June 30, 2015			Six Months Ended June 30, 2015
	Actual Cost	Carrying Value	Fair Value	OTTI
(In Millions)				
Alt-A:				
a. Residential mortgage-backed securities	\$ 653	\$ 477	\$ 579	\$ -
b. Commercial mortgage-backed securities	-	-	-	-
c. Collateralized debt obligations	-	-	-	-
d. Structured securities	-	-	-	-
e. Equity investments in SCAs *	51	36	44	-
f. Other assets	-	-	-	-
g. Total	<u>\$ 704</u>	<u>\$ 513</u>	<u>\$ 623</u>	<u>\$ -</u>

NOTES TO FINANCIAL STATEMENTS

	June 30, 2015			Six Months Ended June 30, 2015
	Actual	Carrying	Fair	OTTI
	Cost	Value	Value	
(In Millions)				
Subprime:				
a. Residential mortgage-backed securities	\$ 571	\$ 460	\$ 534	\$ -
b. Commercial mortgage-backed securities	-	-	-	-
c. Collateralized debt obligations	3	-	-	-
d. Structured securities	-	-	-	-
e. Equity investments in SCAs *	29	23	25	-
f. Other assets	-	-	-	-
g. Total	<u>\$ 603</u>	<u>\$ 483</u>	<u>\$ 559</u>	<u>\$ -</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.

	December 31, 2014			Year Ended December 31, 2014
	Actual	Carrying	Fair	OTTI
	Cost	Value	Value	
(In Millions)				
Alt-A:				
a. Residential mortgage-backed securities	\$ 725	\$ 515	\$ 631	\$ -
b. Commercial mortgage-backed securities	-	-	-	-
c. Collateralized debt obligations	-	-	-	-
d. Structured securities	-	-	-	-
e. Equity investments in SCAs *	55	38	47	-
f. Other assets	-	-	-	-
g. Total	<u>\$ 780</u>	<u>\$ 553</u>	<u>\$ 678</u>	<u>\$ -</u>

	December 31, 2014			Year Ended December 31, 2014
	Actual	Carrying	Fair	OTTI
	Cost	Value	Value	
(In Millions)				
Subprime:				
a. Residential mortgage-backed securities	\$ 621	\$ 501	\$ 579	\$ -
b. Commercial mortgage-backed securities	-	-	-	-
c. Collateralized debt obligations	3	-	-	-
d. Structured securities	-	-	-	-
e. Equity investments in SCAs *	31	24	26	-
f. Other assets	-	-	-	-
g. Total	<u>\$ 655</u>	<u>\$ 525</u>	<u>\$ 605</u>	<u>\$ -</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 significant changes

Note 22 – Events Subsequent

The Company has evaluated subsequent events through August 11, 2015, the date the financial statements were available to be issued. Except as discussed in Note 21c "Other disclosures and unusual items", no events have occurred subsequent to the balance sheet date and before the date of evaluation that would require disclosure.

Note 23 – Reinsurance

- a. Ceded Reinsurance Report:
 Section 1 - General Interrogatories – No significant changes
 Section 2 - Ceded Reinsurance Report - Part A – No significant changes
 Section 3 - Ceded Reinsurance Report - Part B – No significant changes
 b-d. No significant changes

Note 24 – Retrospectively Rated Contracts and Contracts Subject to Redetermination - No significant changes

Note 25 – Change in Incurred Losses and Loss Adjustment Expenses – No significant changes

Note 26 – Intercompany Pooling Arrangements – No significant changes

Note 27 – Structured Settlements – No significant changes

NOTES TO FINANCIAL STATEMENTS

Note 28 – Health Care Receivables – No significant changes

Note 29 – Participating Policies – No significant changes

Note 30 – Premium Deficiency Reserves – No significant changes

Note 31 – Reserves for Life Contracts and Annuity Contracts – No significant changes

Note 32 – Analysis of Annuity Actuarial Reserves and Deposit Liabilities by Withdrawal Characteristics – No significant changes

Note 33 – Premium and Annuity Considerations Deferred and Uncollected – No significant changes

Note 34 – Separate Accounts - No significant changes

Note 35 – Loss/Claim Adjustment Expenses – No significant changes

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 [X] No []
- 2.2 If yes, date of change: 04/08/2015
- 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 [X] 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 [X] No []
- 9.21 If the response to 9.2 is Yes, provide information related to amendment(s).
The Code was revised in January 2015. The revisions to the Code are not material in nature. The revisions clarify or 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 [X]
- 9.31 If the response to 9.3 is Yes, provide the nature of any waiver(s).

FINANCIAL

- 10.1 Does the reporting entity report any amounts due from parent, subsidiaries or affiliates on Page 2 of this statement? Yes [X] No []
- 10.2 If yes, indicate any amounts receivable from parent included in the Page 2 amount: \$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 [X] 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: \$2,066,941,687
13. Amount of real estate and mortgages held in short-term investments: \$
- 14.1 Does the reporting entity have any investments in parent, subsidiaries and affiliates? Yes [X] No []
- 14.2 If yes, please complete the following:
- | | 1 | 2 |
|---|---|--|
| | Prior Year-End
Book/Adjusted
Carrying Value | Current Quarter
Book/Adjusted
Carrying Value |
| 14.21 Bonds | \$ 5,525,755,051 | \$ 5,380,995,117 |
| 14.22 Preferred Stock | \$ | \$ |
| 14.23 Common Stock | \$ 7,243,083,433 | \$ 7,567,146,279 |
| 14.24 Short-Term Investments | \$ | \$ |
| 14.25 Mortgage Loans on Real Estate | \$ | \$ |
| 14.26 All Other | \$ 4,192,597,007 | \$ 4,514,563,060 |
| 14.27 Total Investment in Parent, Subsidiaries and Affiliates (Subtotal Lines 14.21 to 14.26) | \$ 16,961,435,491 | \$ 17,462,704,456 |
| 14.28 Total Investment in Parent included in Lines 14.21 to 14.26 above | \$ | \$ |
- 15.1 Has the reporting entity entered into any hedging transactions reported on Schedule DB? Yes [X] No []
- 15.2 If yes, has a comprehensive description of the hedging program been made available to the domiciliary state? Yes [X] No []
If no, attach a description with this statement.

STATEMENT AS OF JUNE 30, 2015 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
155480	20 Gates Management LLC	30 Irving Place 2nd Floor, New York, NY 10003

- 18.1 Have all the filing requirements of the Purposes and Procedures Manual of the NAIC Securities Valuation Office been followed? Yes [] No [X]

- 18.2 If no, list exceptions:
 At 6/30/2015, 77 issues for 59 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 \$552,808,087 or 0.64% 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	\$10,151,334
1.12	Residential Mortgages	\$1,733,779,878
1.13	Commercial Mortgages	\$18,645,372,772
1.14	Total Mortgages in Good Standing	\$20,389,303,984
1.2	Long-Term Mortgages In Good Standing with Restructured Terms	
1.21	Total Mortgages in Good Standing with Restructured Terms	\$
1.3	Long-Term Mortgage Loans Upon which Interest is Overdue more than Three Months	
1.31	Farm Mortgages	\$
1.32	Residential Mortgages	\$
1.33	Commercial Mortgages	\$
1.34	Total Mortgages with Interest Overdue more than Three Months	\$
1.4	Long-Term Mortgage Loans in Process of Foreclosure	
1.41	Farm Mortgages	\$
1.42	Residential Mortgages	\$
1.43	Commercial Mortgages	\$
1.44	Total Mortgages in Process of Foreclosure	\$
1.5	Total Mortgage Loans (Lines 1.14 + 1.21 + 1.34 + 1.44) (Page 2, Column 3, Lines 3.1 + 3.2)	\$20,389,303,984
1.6	Long-Term Mortgages Foreclosed, Properties Transferred to Real Estate in Current Quarter	
1.61	Farm Mortgages	\$
1.62	Residential Mortgages	\$
1.63	Commercial Mortgages	\$
1.64	Total Mortgages Foreclosed and Transferred to Real Estate	\$
2.	Operating Percentages:	
2.1	A&H loss percent	77.030 %
2.2	A&H cost containment percent	1.600 %
2.3	A&H expense percent excluding cost containment expenses	75.430 %
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 JUNE 30, 2015 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
.93572	43-1235868	.03/15/2015	RGA Reinsurance Co. (GAQ2)	MO	CO/1	Authorized		
.93572	43-1235868	.03/15/2015	RGA Reinsurance Co. (GAQ3)	MO	CO/1	Authorized		
.97071	13-3126819	.03/15/2015	SCOR Global Life USA Reins Co (SUQ2)	DE	CO/1	Authorized		
.97071	13-3126819	.03/15/2015	SCOR Global Life USA Reins Co (SUQ3)	DE	CO/1	Authorized		
.82627	06-0839705	.03/15/2015	Swiss Re Life & Health America Inc. (SRQ4)	CT	CO/1	Authorized		

STATEMENT AS OF JUNE 30, 2015 OF THE Massachusetts Mutual Life Insurance Company
SCHEDULE T - PREMIUMS AND ANNUITY CONSIDERATIONS

Current Year To Date - Allocated by States and Territories

1	Direct Business Only							
	2	3	4	5	6	7		
Life Contracts							Accident and Health Insurance Premiums, Including Policy, Membership and Other Fees	Other Considerations
States, Etc.	Active Status	Life Insurance Premiums	Annuity Considerations					
1. Alabama	AL	L	15,724,896	103,123,127	2,942,123	12,471,524	134,261,670	14,406,139
2. Alaska	AK	L	861,536	2,632,007	157,613	1,107,139	4,758,295	208,247
3. Arizona	AZ	L	24,729,087	40,815,301	4,446,149	5,226,823	75,217,360	10,547,487
4. Arkansas	AR	L	43,118,415	28,727,040	899,838	213,157	72,958,450	2,278,639
5. California	CA	L	217,940,180	129,411,846	28,925,915	269,530,832	645,808,773	58,245,940
6. Colorado	CO	L	89,600,199	10,818,927	4,916,449	40,369,015	145,704,590	5,448,853
7. Connecticut	CT	L	72,177,697	48,665,952	9,756,643	85,303,300	215,903,592	6,223,381
8. Delaware	DE	L	23,915,694	17,312,402	711,266	33,769,153	75,708,515	1,316,954
9. District of Columbia	DC	L	8,996,252	1,516,538	2,043,667	14,212,503	26,768,960	357,675
10. Florida	FL	L	163,127,102	106,532,554	13,560,376	112,166,105	395,386,137	70,426,193
11. Georgia	GA	L	125,154,418	132,635,315	10,833,555	150,455,125	419,078,413	22,805,757
12. Hawaii	HI	L	8,852,007	7,387,914	1,417,023	8,002,761	25,659,705	2,232,214
13. Idaho	ID	L	9,000,373	3,624,740	591,195	5,862,514	19,078,822	1,938,563
14. Illinois	IL	L	86,295,831	60,742,497	12,177,865	222,712,637	381,928,830	20,001,414
15. Indiana	IN	L	32,164,252	29,244,970	4,191,247	18,199,568	83,800,037	5,485,767
16. Iowa	IA	L	27,060,376	10,053,865	1,900,417	11,980,579	50,995,237	8,287,417
17. Kansas	KS	L	27,225,145	7,205,743	2,956,656	9,734,755	47,122,299	4,197,131
18. Kentucky	KY	L	16,121,442	12,260,490	2,381,236	10,504,887	41,268,055	11,063,693
19. Louisiana	LA	L	16,342,715	5,957,049	2,616,897	7,205,683	32,122,344	7,159,792
20. Maine	ME	L	60,423,069	49,759,316	1,135,101	10,547,871	121,865,357	915,655
21. Maryland	MD	L	57,838,779	19,749,047	13,972,427	75,322,138	166,882,391	11,088,855
22. Massachusetts	MA	L	82,826,382	134,161,166	14,092,323	362,938,611	594,018,482	37,164,156
23. Michigan	MI	L	42,061,597	71,730,717	6,706,584	61,981,064	182,479,962	15,693,269
24. Minnesota	MN	L	21,669,486	47,143,441	4,160,102	130,487,408	203,460,437	16,640,167
25. Mississippi	MS	L	32,514,994	31,979,281	5,043,577	2,160,962	71,698,814	3,964,347
26. Missouri	MO	L	40,270,366	25,856,936	5,319,467	53,491,897	124,938,666	4,828,147
27. Montana	MT	L	9,113,207	4,501,061	528,792	2,492,477	16,635,537	1,551,216
28. Nebraska	NE	L	14,832,613	9,971,111	2,850,473	82,108,088	109,762,285	9,160,730
29. Nevada	NV	L	12,047,561	10,884,819	1,641,449	10,940,126	35,513,955	2,638,444
30. New Hampshire	NH	L	13,919,173	21,024,448	1,912,665	10,966,795	47,823,081	3,042,819
31. New Jersey	NJ	L	133,173,340	55,094,614	17,771,307	181,228,783	387,268,044	50,283,050
32. New Mexico	NM	L	8,046,667	3,343,148	929,882	1,851,535	14,171,232	598,677
33. New York	NY	L	395,602,751	205,394,131	39,707,378	345,858,088	986,562,348	46,204,528
34. North Carolina	NC	L	62,053,613	80,638,510	13,419,584	261,222,046	417,333,753	23,743,391
35. North Dakota	ND	L	2,392,002	5,073,338	197,887	86,924,343	94,587,570	4,933,604
36. Ohio	OH	L	68,913,713	81,777,518	7,524,557	121,267,207	279,482,995	25,310,514
37. Oklahoma	OK	L	48,913,826	10,450,101	3,768,968	30,062,049	93,194,944	3,691,460
38. Oregon	OR	L	13,998,992	7,988,337	2,281,230	25,523,990	49,792,549	3,457,894
39. Pennsylvania	PA	L	124,672,728	140,358,336	19,185,254	213,249,422	497,465,740	7,020,048
40. Rhode Island	RI	L	7,719,225	13,219,440	1,319,102	32,051,825	54,309,592	1,251,654
41. South Carolina	SC	L	23,356,324	74,278,817	7,015,727	5,348,545	109,999,413	9,433,405
42. South Dakota	SD	L	6,047,190	1,283,717	281,701	253,246	7,865,854	1,018,294
43. Tennessee	TN	L	52,166,893	63,009,994	7,760,622	59,950,282	182,887,791	14,688,758
44. Texas	TX	L	178,060,553	112,753,037	22,772,050	96,977,213	410,562,853	42,569,729
45. Utah	UT	L	18,943,213	28,249,066	1,833,096	13,473,632	62,499,007	2,975,775
46. Vermont	VT	L	7,162,984	6,128,229	618,938	3,225,278	17,135,429	89,656
47. Virginia	VA	L	106,624,031	85,129,726	15,346,668	97,867,047	304,967,472	16,937,732
48. Washington	WA	L	56,525,451	112,154,012	4,550,888	40,004,703	213,235,054	4,149,031
49. West Virginia	WV	L	7,503,468	6,555,091	717,590	7,629,498	22,405,647	10,682,821
50. Wisconsin	WI	L	31,820,126	270,718,600	2,817,645	30,898,144	336,254,515	804,978
51. Wyoming	WY	L	5,301,146	1,018,175	304,972	380,999	7,005,292	1,290,716
52. American Samoa	AS	N						
53. Guam	GU	N	155		1,950		2,105	9,902
54. Puerto Rico	PR	L	27,419,113	5,037,691	3,815,017	5,509,387	41,781,208	12,798
55. U.S. Virgin Islands	VI	N	5,236		5,251		10,487	
56. Northern Mariana Islands	MP	N						
57. Canada	CAN	N	597,565	2,903,061	53,559		3,554,185	9,722
58. Aggregate Other Aliens	OT	XXX	8,025,421	2,408	335,713	33,165,000	41,528,542	
59. Subtotal	(a)	52	2,790,970,570	2,557,988,717	339,125,626	3,516,387,759	9,204,472,672	630,487,198
90. Reporting entity contributions for employee benefits plans	XXX							
91. Dividends or refunds applied to purchase paid-up additions and annuities	XXX		589,749,664	1,573,256			591,322,920	
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		13,110,122		6,052,000		19,162,122	
94. Aggregate or other amounts not allocable by State	XXX							
95. Totals (Direct Business)	XXX		3,393,830,356	2,559,561,973	345,177,626	3,516,387,759	9,814,957,714	630,487,198
96. Plus Reinsurance Assumed	XXX		28,824,012	4,141,550		800,772,372	833,737,934	1,192,218,573
97. Totals (All Business)	XXX		3,422,654,368	2,563,703,523	345,177,626	4,317,160,131	10,648,695,648	1,822,705,771
98. Less Reinsurance Ceded	XXX		352,293,813		65,775,958		418,069,771	
99. Totals (All Business) less Reinsurance Ceded	XXX		3,070,360,555	2,563,703,523	279,401,668	4,317,160,131	10,230,625,877	1,822,705,771
DETAILS OF WRITE-INS								
58001. Other foreign	XXX		8,025,421	2,408	335,713	33,165,000	41,528,542	
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		8,025,421	2,408	335,713	33,165,000	41,528,542	
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
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		United States
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 Caerulus Holdco US LLC	None		Delaware
MM Rothesay Holdco US LLC	04-1590850		Delaware
MML Investors Services, LLC	04-1590850		Massachusetts
MML Insurance Agency, LLC	04-1590850		Massachusetts
MMLISI Financial Alliances, LLC	41-2011634		Delaware
MassMutual International LLC	04-3313782		Delaware

*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>
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
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 UK (No. 2) 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
PAMERA 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
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

*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>
Red Lake Ventures, LLC	46-5460309		Delaware
Teaktree Acquisition, LLC	None		Delaware
Sweet Tree Holdings I, LLC	46-3123110		Delaware
U.S. Trailer Holdings II LLC	46-2104352		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 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
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
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, Inc.	06-1121864		Connecticut
Tremont Capital Management (Ireland) Limited	None		Ireland
Tremont GP, Inc.	20-8215352		Delaware
Settlement Agent LLC	90-0874510		Delaware
Tremont (Bermuda) Limited	None		Bermuda
MassMutual Baring Holding LLC	04-1590850		Delaware

*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>
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, Inc.	46-2252944		Delaware
MML Management Corporation	04-2443240		Massachusetts
MassMutual International Holding MSC, Inc.	04-3548444		Massachusetts
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:			
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
Cambridge Hotel, LLC	06-1614196		Delaware

*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>
Cheyenne Mountain Resort LLC	04-1590850		Delaware
Cornerstone Partners IV LLC	71-0908077		Delaware
E-Wise Land Venture LLC	20-3887968		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
Rockville Town Center LLC	54-2055778		Virginia
Seattle 1415 Hotel Owner LLC	46-5491311		Delaware
Sedona TFMP Land LLC	04-1590850		Delaware
South Myrtle Monrovia MM LLC	04-1590850		Delaware
South Pasco Properties LLC	20-3887968		Delaware
West 46 th Street Hotel LLC	05-1590850		Delaware
Babson Affiliates & Funds:			
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 High Yield LLC*	55-0886109		Delaware
Babson Capital Floating Rate Income Fund, L.P.	27-3330830		Delaware
Babson Capital Global Special Situation Credit Fund 2*	98-1206017		Delaware
Babson Capital Global Investment Funds plc	None		Ireland
Babson Capital Global Investment Fund 2 plc	None		Ireland
Babson Capital Global Umbrella Fund plc	None		Ireland
Babson Capital Loan Strategies Fund, L.P.*	37-1506417		Delaware
Babson CLO Ltd. 2005-III	None		Cayman Islands
Babson CLO Ltd. 2006-II	None		Cayman Islands
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

*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 Euro CLO 2014-I BV	None		Netherlands
Babson Euro CLO 2014-II BV	None		Netherlands
Babson Global Floating Rate Fund	46-3133952		Massachusetts
Babson Global Income Opportunities Credit Fund	46-3119764		Massachusetts
Babson Investment Grade CLO Debt Fund LP	47-3971963		Delaware
Babson Mid-Market CLO Ltd. 2007-II	None		Cayman Islands
Benton Street Partners I, L.P.*	98-0536233		Cayman Islands
Benton Street Partners II, L.P.*	98-0536199		Cayman Islands
Clear Lake CLO, Ltd.	None		Cayman Islands
Connecticut Valley Structured Credit CDO II, Ltd.	None		Cayman Islands
Connecticut Valley Structured Credit CDO III, Ltd.	None		Cayman Islands
Diamond Lake CLO, Ltd.	None		Cayman Islands
Duchess I CDO S.A.	None		United Kingdom
Duchess III CDO S.A.	None		United Kingdom
Duchess IV CDO S.A.	None		United Kingdom
Duchess V CDO S.A.	None		United Kingdom
Duchess VI CLO B.V.	None		United Kingdom
Duchess VII CLO B.V.	None		United Kingdom
Fugu CLO B.V.	None		United Kingdom
Fugu Credit Plc	None		United Kingdom
Gateway Mezzanine Partners I, L.P.*	80-0691253		Delaware
Gateway Mezzanine Partners I Trust	None		Cayman Islands
Gateway Mezzanine Partners II LP*	90-0991195		Delaware
Great Lakes II LLC*	71-1018134		Delaware
Great Lakes III, L.P.	37-1708623		Delaware
Great Lakes LLC*	56-2505390		Delaware
Intermodal Holding II LLC	46-2344300		Delaware
Malin CLO B.V.	None		United Kingdom
Rockall CLO B.V.	None		United Kingdom
Saint James River CDO, Ltd.	None		Cayman Islands
Sapphire Valley CDO I, Ltd.	None		Cayman Islands
SDCOS L.P.	74-3182902		Delaware
Somerset Special Opportunities Fund L.P.*	20-8856877		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, L.P.	80-0920340		Delaware
Tower Square Capital Partners IV-A, L.P.	80-0920367		Delaware

*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>
Whately CDO, Ltd.	None		Cayman Islands
Wood Creek Multi Asset Fund, L.P.	20-4981369		Delaware
Wood Creek Venture Fund LLC	04-1590850		Delaware
Baring Affiliates & Funds:			
Baring Emerging Market Corp Debt Fund	None		Ireland
Baring Focused EAFE Equity Fund	11-3789446		Delaware
Baring Focused International Equity Fund	01-0850479		Delaware
Baring Global Dynamic Asset Allocation Fund	30-0607379		Delaware
Baring International Equity Fund	39-2059577		Delaware
Baring International Small Cap Equity Fund	26-4142796		Delaware
Baring World Equity Fund	46-1197222		Delaware
Multi-Employer Global Aggregate Diversified Portfolio	26-1896226		Delaware
Cornerstone Affiliates & Funds:			
12-18 West 55th Street Predevelopment, LLC*	20-2548283		Delaware
2 Harbor Shore Member LLC*	46-4803557		Delaware
21 West 86 LLC*	45-5257904		Delaware
Ygnatio Valley Funding	20-5481477		Delaware
AT Mid-Atlantic Office Portfolio LLC*	45-2779931		Delaware
Babson Mezzanine Realty Investors I*	20-4570515		Delaware
Babson Mezzanine Realty Investors II	24-1446970		Delaware
CHC/RFP VI Core LLC	04-1590850		Delaware
Cornerstone Core Mortgage Fund I LP	27-1701733		Delaware
Cornerstone Core Mortgage Venture I LP	27-1701622		Delaware
Cornerstone Enhanced Mortgage Fund I LP	45-3751572		Delaware
Cornerstone Fort Pierce Development LLC*	56-2630592		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 Patriot Fund LP	20-5578089		Delaware
Cornerstone Real Estate Fund VIII LP	27-0547156		Delaware
Cornerstone Permanent Mortgage Fund	45-2632610		Delaware
Cornerstone Real Estate Fund X LP	46-5432619		Delaware
CREA 330 Third LLC*	46-5001122		Delaware
CREA FMF Nashville LLC	46-4367364		Delaware
CREA/LYON West Gateway, LLC*	26-2399532		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
Gracechurch London Holdings LLC*	46-1586427		Delaware

*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>
Infinity SCD Ltd.	None		United Kingdom
Johnston Groves LLC	20-4819358		Delaware
Metropolitan At Lorton*	20-5984759		Delaware
MM Greenhill Office LLC*	46-3317841		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
SBNP SIA LLC	46-3465271		Delaware
Twenty Two Liberty LLC*	35-2484550		Massachusetts
UK LIW Manager LLC	45-4606547		Delaware
UK LIW Member LLC	45-4606547		Delaware
U.S. Buyer Broadcasting LLC	47-1855920		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
MassMutual Premier Funds:			
MassMutual Barings Dynamic Allocation Fund	45-3168892		Massachusetts
MassMutual Premier Balanced Fund	04-3212054		Massachusetts
MassMutual Premier Core Bond Fund	04-3277549		Massachusetts
MassMutual Premier Disciplined Growth Fund	04-3539084		Massachusetts
MassMutual Premier Disciplined Value Fund	04-3539083		Massachusetts
MassMutual Premier Diversified Bond Fund	04-3464165		Massachusetts
MassMutual Premier Focused International Fund	02-0754273		Massachusetts
MassMutual Premier Global Fund	51-0529334		Massachusetts
MassMutual Premier High Yield Fund	04-3520009		Massachusetts
MassMutual Premier Inflation-Protected and Income Fund	03-0532475		Massachusetts
MassMutual Premier International Equity Fund	04-3212044		Massachusetts
MassMutual Premier Main Street Fund	51-0529328		Massachusetts
MassMutual Premier Short-Duration Bond Fund	04-3212057		Massachusetts
MassMutual Premier Small/Mid Cap Opportunities Fund	04-3424705		Massachusetts
MassMutual Premier Strategic Emerging Markets Fund	26-3229251		Massachusetts
MassMutual Premier Value Fund	04-3277550		Massachusetts
MassMutual Select Funds:			
MassMutual Select Blackrock Global Allocation Fund	27-1028263		Massachusetts
MassMutual Select Blue Chip Growth Fund	04-3556992		Massachusetts
MassMutual Select Diversified International Fund	14-1980900		Massachusetts
MassMutual Select Diversified Value Fund	01-0821120		Massachusetts
MassMutual Select Focused Value Fund	04-3512590		Massachusetts
MassMutual Select Fundamental Growth Fund	04-3512593		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>
MassMutual Select Fundamental Value Fund	04-3584138		Massachusetts
MassMutual Select Growth Opportunities Fund	04-3512589		Massachusetts
MassMutual Select Large Cap Value Fund	04-3513019		Massachusetts
MassMutual Select Mid Cap Growth Equity II Fund	04-3512596		Massachusetts
MassMutual Select Mid-Cap Value Fund	42-1710935		Massachusetts
MassMutual Select MSCI EAFE International Index Fund	45-5357167		Massachusetts
MassMutual Select Overseas Fund	04-3557000		Massachusetts
MassMutual Select PIMCO Total Return Fund	27-2377446		Massachusetts
MassMutual Select Russell 2000 Small Cap Index Fund	45-5366542		Massachusetts
MassMutual Select S&P 500 Index Fund	04-3410047		Massachusetts
MassMutual Select Small Cap Growth Equity Fund	04-3464205		Massachusetts
MassMutual Select Small Capital Value Equity Fund	02-0769954		Massachusetts
MassMutual Select Small Company Growth Fund	04-3584141		Massachusetts
MassMutual Select Small Company Value Fund	04-3584140		Massachusetts
MassMutual Select S&P Mid Cap Index Fund	45-5349772		Massachusetts
MassMutual Select Strategic Bond Fund	26-0099965		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 2010 Fund	03-0532456		Massachusetts
MassMutual RetireSMART 2015 Fund	27-1933828		Massachusetts
MassMutual RetireSMART 2020 Fund	03-0532467		Massachusetts
MassMutual RetireSMART 2025 Fund	27-1933753		Massachusetts
MassMutual RetireSMART 2035 Fund	27-1933389		Massachusetts
MassMutual RetireSMART 2040 Fund	03-0532471		Massachusetts
MassMutual RetireSMART 2045 Fund	27-1932769		Massachusetts
MassMutual RetireSMART 2050 Fund	26-1345332		Massachusetts
MassMutual RetireSMART 2055 Fund	46-3289207		Massachusetts
MassMutual RetireSMART Conservative Fund	45-1618155		Massachusetts
MassMutual RetireSMART Growth Fund	45-1618222		Massachusetts
MassMutual RetireSMART In Retirement Fund	03-0532464		Massachusetts
MassMutual RetireSMART Moderate Fund	45-1618262		Massachusetts
MassMutual RetireSMART Moderate Growth Fund	45-1618046		Massachusetts
Oppenheimer Funds:			
HarbourView CLO 2006-1 Limited	None		Cayman Islands
HarbourView CLO VII, Ltd.	None		Cayman Islands

*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>
Oppenheimer Global High Yield Fund	45-3417590		Delaware
Oppenheimer Global Multi-Asset Income Fund	47-1714929		Delaware
Oppenheimer Global Real Estate Fund*	46-1604428		Delaware
Oppenheimer International Growth Fund	13-3867060		Massachusetts
Oppenheimer Main Street Fund	84-1073463		Massachusetts
Oppenheimer Real Estate Fund	22-3849391		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.

STATEMENT AS OF JUNE 30, 2015 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			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	US	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	
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	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	

STATEMENT AS OF JUNE 30, 2015 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			04-3341767				MassMutual Holding MSC, Inc.	.MA	DS	MSC Holding Company, LLC Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			04-2854319	2392316			MassMutual Holding LLC	.DE	DS	MassMutual Holding LLC	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 Caerulus Holdco US LLC	.DE	DS	MassMutual Holding LLC	Ownership	100.000	MMLIC	
.0000			04-1590850				MM Rotheray 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		MMLSI 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	.HKG	DS	MassMutual Asia Limited	Ownership	100.000	MMLIC	
.0000			98-0610331				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	.IRL	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 Mangement (UK) Limited	.GBR	DS	Babson Capital Guernsey 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	.GBR	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	
.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							Cornerstone Real Estate UK (No. 2) Limited	.GBR	DS	Cornerstone Real Estate UK Holdings Limited	Ownership	100.000	MMLIC	
.0000			98-0654401				Cornerstone Real Estate Advisers Europe LLP	.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	

STATEMENT AS OF JUNE 30, 2015 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			98-1194368				PAMERA 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	Wood Creek Capital Management LLC	Ownership	13.100	MMLIC	
.0000			47-3055009				Milestone Acquisition Holding, LLC.	.DE	NIA	Wood Creek Capital Management LLC	Ownership	19.400	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							Teaktree Acquisition, LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	14.700	MMLIC	
.0000							Teaktree Acquisition, LLC	.DE	NIA	Wood Creek Capital Management LLC	Influence		MMLIC	
.0000			46-1500495				U.S. WIG Holdings, LP	.DE	NIA	Wood Creek Capital Management LLC	Ownership	11.700	MMLIC	
.0000			46-2104352				US Trailer Holdings II LLC	.DE	NIA	Wood Creek Capital Management LLC	Influence		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	
.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 Investment Grade QLO Debty 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	95.800	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	

STATEMENT AS OF JUNE 30, 2015 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			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			13-3459790	2914875			OFI Global Trust Company	NY	DS	OFI Institutional Asset Management, Inc.	Ownership	100.000	MMLIC	
.0000			22-2697140				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	OFI Institutional Asset Management, Inc.	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			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, Inc.	CT	DS	Tremont Group Holdings, Inc.	Ownership	100.000	MMLIC	
.0000							Tremont Capital Management (Ireland) Limited	JRL	DS	Tremont Group Holdings, Inc.	Ownership	100.000	MMLIC	
.0000			20-8215352				Tremont GP, Inc.	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				MassMutual Baring Holding LLC	DE	DS	MassMutual Asset Management Holding LLC	Ownership	100.000	MMLIC	
.0000			98-0241935	2363071	0000932463		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	
.0000							Baring International Investment Management Holdings	GBR	DS	Baring Asset Management Limited	Ownership	100.000	MMLIC	
.0000							Baring Asset Management UK Holdings Limited	GBR	DS	Baring International Investment Management Holdings	Ownership	100.000	MMLIC	
.0000							Baring Asset Management GmbH	DEU	DS	Baring Asset Management UK Holdings Limited	Ownership	100.000	MMLIC	
.0000							Baring Asset Management (Asia) Holdings Limited	HKG	DS	Baring Asset Management UK Holdings Limited	Ownership	100.000	MMLIC	
.0000			98-0524271				Baring International Fund Managers (Bermuda) Limited	BMU	DS	Baring Asset Management (Asia) Holdings Limited	Ownership	100.000	MMLIC	
.0000							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							Baring Asset Management (Japan) Limited	JPN	DS	Baring Asset Management (Asia) Holdings Limited	Ownership	100.000	MMLIC	
.0000							Baring Asset Management (Australia) Pty Limited	AUS	DS	Baring Asset Management (Asia) Holdings Limited	Ownership	100.000	MMLIC	
.0000							Baring International Fund Managers (Ireland) Limited	JRL	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							Baring SICE (Taiwan) Limited	TWN	DS	Baring Asset Management UK Holdings Limited	Ownership	100.000	MMLIC	
.0000							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	

STATEMENT AS OF JUNE 30, 2015 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			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, Inc.	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.							
.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				
.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				
.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				
.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				
.0000			04-1590850				MML Re Finance LLC	DE	DS	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000										Massachusetts Mutual Life Insurance Company				
.0000			56-2574604				Invicta Advisors LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000										Massachusetts Mutual Life Insurance Company				
.0000			27-0105644				Jefferies Finance LLC	DE	NIA	Massachusetts Mutual Life Insurance 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				
.0000			04-1590850		0000067160		MML Private Equity Fund Investor LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			04-1590850				MML Private Equity Intercontinental LLC	DE	NIA	MML Private Equity Fund Investor LLC	Ownership	100.000	MMLIC	
.0000										Massachusetts Mutual Life Insurance Company				
.0000			04-1590850				100 w. 3rd Street LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000										Massachusetts Mutual Life Insurance Company				
.0000			04-1590850				300 South Tryon Hotel LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000										Massachusetts Mutual Life Insurance Company				
.0000			04-1590850				300 South Tryon LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000										Massachusetts Mutual Life Insurance Company				
.0000			20-3887968				54 West Capital LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000										Massachusetts Mutual Life Insurance Company				
.0000			16-1720387				Alexandria Towers Investors LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000										Massachusetts Mutual Life Insurance Company				
.0000			06-1614196				Cambridge Hotel, LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000										Massachusetts Mutual Life Insurance Company				
.0000			04-1590850				Cheyenne Mountain Resort LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000										Massachusetts Mutual Life Insurance Company				
.0000			71-0908077				Cornerstone Partners IV LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000										Massachusetts Mutual Life Insurance Company				
.0000			20-3887968				E-Wise Land Venture LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000										Massachusetts Mutual Life Insurance Company				
.0000			20-3887968				Kazwell Realty Partners LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000										Massachusetts Mutual Life Insurance Company				
.0000			45-3754085				King Alexander LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000										Massachusetts Mutual Life Insurance Company				
.0000			46-4255307				Marco Hotel LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000										Massachusetts Mutual Life Insurance Company				
.0000			26-2704765				MMI/BDI Riverside Mt. Vernon LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	

STATEMENT AS OF JUNE 30, 2015 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			26-379762				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			54-2055778				Rockville Town Center LLC	VA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	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			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			04-1590850				West 46th Street Hotel 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	35.700	MMLIC	
.....0000							Almack Mezzanine Fund I LP	GBR	NIA	C.M. Life Insurance Company	Ownership	4.000	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	73.800	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	34.600	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			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			27-3330830		0001521404		Babson Capital Floating Rate Income Fund, L.P.	DE	NIA	MassMutual Holding LLC	Ownership	9.900	MMLIC	
.....0000			27-3330830		0001521404		Babson Capital Floating Rate Income Fund, L.P.	DE	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	23.900	MMLIC	
.....0000			98-1206017				Babson Capital Global Special Situation Credit Fund 2	DE	NIA	C.M. Life Insurance Company	Ownership	1.500	MMLIC	
.....0000			98-1206017				Babson Capital Global Special Situation Credit Fund 2	DE	NIA	Babson Capital Management LLC	Management		MMLIC	
.....0000					0001502146		Babson Capital Global Investment Funds plc	JRL	NIA	Massachusetts Mutual Life Insurance Company	Ownership	0.400	MMLIC	
.....0000					0001582591		Babson Capital Global Investment Fund 2 plc	JRL	NIA	Massachusetts Mutual Life Insurance Company	Ownership	4.200	MMLIC	

STATEMENT AS OF JUNE 30, 2015 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					0001582591		Babson Capital Global Investment Fund 2 plc	JRL	NIA	Babson Capital Management LLC Massachusetts Mutual Life Insurance Company	Management		MMLIC	
.0000					0001515694		Babson Capital Global Umbrella Fund plc	JRL	NIA	Babson Capital Management LLC Massachusetts Mutual Life Insurance Company	Ownership	59.500	MMLIC	
.0000					0001515694		Babson Capital Global Umbrella Fund plc	JRL	NIA	Babson Capital Europe Ltd Massachusetts Mutual Life Insurance Company	Management		MMLIC	
.0000			37-1506417				Babson Capital Loan Strategies Fund, L.P.	DE	NIA	C.M. Life Insurance Company	Ownership	78.600	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	
.0000							Babson CLO Ltd. 2005-III	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	3
.0000							Babson CLO Ltd. 2006-II	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	7
.0000							Babson CLO Ltd. 2007-I	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	8
.0000							Babson CLO Ltd. 2011-I	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	
.0000							Babson CLO Ltd. 2012-I	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	
.0000							Babson CLO Ltd. 2012-II	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	
.0000							Babson CLO Ltd. 2013-I	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	11
.0000			98-1128827				Babson CLO Ltd. 2013-II	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	12
.0000							Babson CLO Ltd. 2014-I	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	
.0000							Babson CLO Ltd. 2014-II	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	13
.0000							Babson CLO Ltd. 2014-III	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	
.0000							Babson CLO Ltd. 2015-I	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	14
.0000							Babson Euro CLO 2014-I BV	NLD	NIA	Babson Capital Management LLC	Influence		MMLIC	
.0000							Babson Euro CLO 2014-II BV	NLD	NIA	Babson Capital Management LLC	Influence		MMLIC	
.0000			46-3133952				Babson Global Floating Rate Fund	MA	NIA	Babson Capital Management LLC Massachusetts Mutual Life Insurance Company	Management		MMLIC	
.0000			46-3133952				Babson Global Floating Rate Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	31.900	MMLIC	
.0000			46-3119764				Babson Global Income Opportunities Credit Fund	MA	NIA	Babson Capital Management LLC Massachusetts Mutual Life Insurance Company	Management		MMLIC	
.0000			46-3119764				Babson Global Income Opportunities Credit Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	66.600	MMLIC	
.0000			47-3971963				Babson Investment Grade CLO Debt Fund LP	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			47-3971963				Babson Investment Grade CLO Debt Fund LP	DE	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000							Babson Mid-Market CLO Ltd. 2007-II	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	2
.0000			98-0536233				Benton Street Partners I, L.P.	CYM	NIA	MassMutual Capital Partners LLC	Ownership	98.900	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 Massachusetts Mutual Life Insurance Company	Ownership	0.100	MMLIC	
.0000			98-0536233				Benton Street Partners I, L.P.	CYM	NIA	Massachusetts Mutual Life Insurance Company	Ownership	1.000	MMLIC	
.0000			98-0536199				Benton Street Partners II, L.P.	CYM	NIA	Massachusetts Mutual Life Insurance Company	Ownership	87.900	MMLIC	5
.0000			98-0536199				Benton Street Partners II, L.P.	CYM	NIA	MassMutual Capital Partners LLC	Ownership	10.900	MMLIC	
.0000			98-0536199				Benton Street Partners II, L.P.	CYM	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000							Clear Lake CLO, Ltd.	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	
.0000							Connecticut Valley Structured Credit CDO II, Ltd.	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	9
.0000							Connecticut Valley Structured Credit CDO III, Ltd.	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	
.0000					4007418		Diamond Lake CLO, Ltd.	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	4
.0000					4007445		Duchess I CDO S.A.	GBR	NIA	Babson Capital Management LLC	Influence		MMLIC	
.0000					4007445		Duchess III CDO S.A.	GBR	NIA	Babson Capital Management LLC	Influence		MMLIC	

STATEMENT AS OF JUNE 30, 2015 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							Duchess IV CDO S.A.	GBR	NIA	Babson Capital Management LLC	Influence		MMLIC	
.0000							Duchess V CDO S.A.	GBR	NIA	Babson Capital Management LLC	Influence		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							Fugu CLO B.V.	GBR	NIA	Babson Capital Management LLC	Influence		MMLIC	6
.0000							Fugu Credit Plc	GBR	NIA	Babson Capital Management LLC	Influence		MMLIC	6
.0000			80-0691253		0001517196		Gateway Mezzanine Partners I, L.P.	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	77.000	MMLIC	
.0000			80-0691253		0001517196		Gateway Mezzanine Partners I, L.P.	DE	NIA	C.M. Life Insurance Company	Ownership	13.500	MMLIC	
.0000			80-0691253		0001517196		Gateway Mezzanine Partners I, L.P.	DE	NIA	MassMutual Holding LLC	Ownership	9.500	MMLIC	
.0000			80-0691253		0001517196		Gateway Mezzanine Partners I, L.P.	DE	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000							Gateway Mezzanine Partners I Trust	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	
.0000			90-0991195		0001597511		Gateway Mezzanine Partners II LP	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	35.500	MMLIC	
.0000			90-0991195		0001597511		Gateway Mezzanine Partners II LP	DE	NIA	C.M. Life Insurance Company	Ownership	5.500	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	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			37-1708623		0001565779		Great Lakes III, L.P.	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	35.700	MMLIC	
.0000			37-1708623		0001565779		Great Lakes III, L.P.	DE	NIA	Babson Capital Management LLC	Management		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							Malin CLO B.V.	GBR	NIA	Babson Capital Management LLC	Influence		MMLIC	
.0000							Rockall CLO B.V.	GBR	NIA	Babson Capital Management LLC	Influence		MMLIC	
.0000							Saint James River CDO, Ltd.	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	
.0000							Sapphire Valley CDO I, Ltd.	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	10
.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	Management		MMLIC	
.0000			20-8856877		0001409910		Somerset Special Opportunities Fund L.P.	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	61.400	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	Management		MMLIC	
.0000			04-3722906		0001228752		Tower Square Capital Partners, L.P.	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	42.700	MMLIC	
.0000			04-3722906		0001228752		Tower Square Capital Partners, L.P.	DE	NIA	C.M. Life Insurance Company	Ownership	0.700	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	3.500	MMLIC	
.0000			30-0336246		0001345379		Tower Square Capital Partners II, L.P.	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	25.800	MMLIC	
.0000			30-0336246		0001345379		Tower Square Capital Partners II, L.P.	DE	NIA	C.M. Life Insurance Company	Ownership	2.100	MMLIC	
.0000			30-0336246		0001345379		Tower Square Capital Partners II, L.P.	DE	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000			30-0336246		0001345379		Tower Square Capital Partners II, L.P.	DE	NIA	MassMutual Holding LLC	Ownership	4.600	MMLIC	
.0000			32-0160190				Tower Square Capital Partners II-A, L.P.	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	76.800	MMLIC	
.0000			32-0160190				Tower Square Capital Partners II-A, L.P.	DE	NIA	C.M. Life Insurance Company	Ownership	13.600	MMLIC	

STATEMENT AS OF JUNE 30, 2015 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			32-0160190				Tower Square Capital Partners II-A, L.P.	DE	NIA	Babson Capital Management LLC	Management		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	Ownership	3.100	MMLIC	
.0000			41-2280127		0001447547		Tower Square Capital Partners III, L.P.	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	19.100	MMLIC	
.0000			41-2280129		0001447548		Tower Square Capital Partners IIIA, L.P.	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	86.400	MMLIC	
.0000			41-2280129		0001447548		Tower Square Capital Partners IIIA, L.P.	DE	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000			80-0920340		0001597019		Tower Square Capital Partners IV, L.P.	DE	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000			80-0920367		0001598727		Tower Square Capital Partners IV-A, L.P.	DE	NIA	MassMutual Holding LLC	Ownership	17.900	MMLIC	
.0000			80-0920367		0001598727		Tower Square Capital Partners IV-A, L.P.	DE	NIA	Babson Capital Management LLC	Management		MMLIC	
.0000							Whately CDO, Ltd.	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	
.0000			20-4981369		0001371601		Wood Creek Multi Asset Fund, L.P.	DE	NIA	Massachusetts Mutual Life Insurance 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			04-1590850				Wood Creek Venture Fund LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	40.000	MMLIC	
.0000							Baring Emerging Market Corp Debt Fund	JRL	NIA	Massachusetts Mutual Life Insurance Company	Ownership	83.100	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	43.500	MMLIC	
.0000			11-3789446				Baring Focused EAFE Equity Fund	DE	NIA	Baring Asset Management Limited	Management		MMLIC	
.0000			01-0850479		0001443715		Baring Focused International 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	89.900	MMLIC	
.0000			30-0607379		0001497049		Baring Global Dynamic Asset Allocation Fund	DE	NIA	Baring Asset Management Limited	Management		MMLIC	
.0000			39-2059577		0001491482		Baring International Equity Fund	DE	NIA	Baring Asset Management Limited	Management		MMLIC	
.0000							Baring International Small Cap Equity Fund	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			26-4142796				Baring International Small Cap Equity Fund	DE	NIA	Baring Asset Management Limited	Management		MMLIC	
.0000			26-4142796				Baring World Equity Fund	DE	NIA	Baring Asset Management Limited	Influence		MMLIC	
.0000			26-1896226				Multi-Employer Global Aggregate Diversified Portfolio	DE	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	89.000	MMLIC	
.0000			20-2548283				12-18 West 55th Street Predevelopment, LLC	DE	NIA	Massachusetts Mutual 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			45-5257904				21 West 86 LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	91.300	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			20-4570515		0001362970		Babson Mezzanine Realty Investors I	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	35.100	MMLIC	

STATEMENT AS OF JUNE 30, 2015 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			20-4570515		0001362970		Babson Mezzanine Realty Investors I	DE	NIA	C.M. Life Insurance Company	Ownership	1.800	MMLIC	
.0000			20-4570515		0001362970		Babson Mezzanine Realty Investors I	DE	NIA	Cornerstone Real Estate Advisers LLC Massachusetts Mutual Life Insurance	Management		MMLIC	
.0000			24-1446970		0001362970		Babson Mezzanine Realty Investors II	DE	NIA	Company	Ownership	60.300	MMLIC	
.0000			24-1446970		0001362970		Babson Mezzanine Realty Investors II	DE	NIA	Cornerstone Real Estate Advisers LLC Massachusetts Mutual Life Insurance	Management		MMLIC	
.0000			04-1590850				CHC/RFP VI Core LLC	DE	NIA	Company	Ownership	100.000	MMLIC	
.0000			27-1701733		0001481753		Cornerstone Core Mortgage Fund I LP	DE	NIA	Cornerstone Real Estate Advisers LLC Massachusetts Mutual Life Insurance	Management		MMLIC	
.0000			27-1701622		0001481752		Cornerstone Core Mortgage Venture I LP	DE	NIA	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	Cornerstone Real Estate Advisers LLC Massachusetts Mutual Life Insurance	Ownership	15.900	MMLIC	
.0000			56-2630592				Cornerstone Fort Pierce Development LLC	DE	NIA	Company	Ownership	84.400	MMLIC	
.0000			56-2630592				Cornerstone Fort Pierce Development LLC	DE	NIA	C.M. Life Insurance Company Massachusetts Mutual Life Insurance	Ownership	5.600	MMLIC	
.0000			20-8730751				Cornerstone Global Real Estate LP	DE	NIA	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 Massachusetts Mutual Life Insurance	Management		MMLIC	
.0000			36-4770946		0001590049		Cornerstone High Yield Venture LP	DE	NIA	Company	Ownership	50.000	MMLIC	
.0000			36-4770946		0001590049		Cornerstone High Yield Venture LP	DE	NIA	Cornerstone Real Estate Advisers LLC Massachusetts Mutual Life Insurance	Management		MMLIC	
.0000			26-1828760		0001423638		Cornerstone Hotel Income & Equity Fund II LP	DE	NIA	Company	Ownership	16.900	MMLIC	
.0000			20-5578089				Cornerstone Patriot Fund LP	DE	NIA	Company	Ownership	100.000	MMLIC	
.0000			27-0547156				Cornerstone Real Estate Fund VIII LP	DE	NIA	Cornerstone Real Estate Advisers LLC Massachusetts Mutual Life Insurance	Ownership	12.700	MMLIC	
.0000			45-2632610				Cornerstone Permanent Mortgage Fund	DE	NIA	Company	Ownership	100.000	MMLIC	
.0000			46-5432619				Cornerstone Real Estate Fund X LP	DE	NIA	Company	Ownership	9.000	MMLIC	
.0000			46-5432619				Cornerstone Real Estate Fund X LP	DE	NIA	C.M. Life Insurance Company Massachusetts Mutual Life Insurance	Ownership	1.000	MMLIC	
.0000			46-5001122				CREA 330 Third LLC	DE	NIA	Company	Ownership	92.000	MMLIC	
.0000			46-5001122				CREA 330 Third LLC	DE	NIA	C.M. Life Insurance Company Massachusetts Mutual Life Insurance	Ownership	8.000	MMLIC	
.0000			46-4367364				CREA FMF Nashville LLC	DE	NIA	Company	Ownership	100.000	MMLIC	
.0000			26-2399532				CREA/LYON West Gateway, LLC	DE	NIA	Company	Ownership	54.000	MMLIC	
.0000			26-2399532				CREA/LYON West Gateway, LLC	DE	NIA	C.M. Life Insurance Company Massachusetts Mutual Life Insurance	Ownership	6.000	MMLIC	
.0000			20-0348173				CREA/PPC Venture LLC	DE	NIA	Company	Ownership	93.400	MMLIC	
.0000			20-0348173				CREA/PPC Venture LLC	DE	NIA	C.M. Life Insurance Company Massachusetts Mutual Life Insurance	Ownership	6.600	MMLIC	
.0000			26-1611591	3956836			Fallon Cornerstone One MPD LLC	DE	NIA	Company	Ownership	61.400	MMLIC	
.0000			26-1611591	3956836			Fallon Cornerstone One MPD LLC	DE	NIA	C.M. Life Insurance Company Massachusetts Mutual Life Insurance	Ownership	6.100	MMLIC	
.0000			20-3347091				Fan Pier Development LLC	DE	NIA	Company	Ownership	88.800	MMLIC	
.0000			20-3347091				Fan Pier Development LLC	DE	NIA	C.M. Life Insurance Company Massachusetts Mutual Life Insurance	Ownership	8.800	MMLIC	
.0000			46-3880526				Farrington London Holdings LLC	DE	NIA	Company	Ownership	94.500	MMLIC	

STATEMENT AS OF JUNE 30, 2015 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			46-3880526				Farrington London Holdings LLC	.DE	NIA	C.M. Life Insurance Company	Ownership	5.500	MMLIC	
.0000			46-1586427				Gracechurch London Holdings LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	96.000	MMLIC	
.0000			46-1586427				Gracechurch London Holdings LLC	.DE	NIA	C.M. Life Insurance Company	Ownership	4.000	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			20-5984759				Metropolitan At Lorton	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	93.500	MMLIC	
.0000			20-5984759				Metropolitan At Lorton	.DE	NIA	C.M. Life Insurance Company	Ownership	6.500	MMLIC	
.0000			46-3317841				MM Greenhill Office LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	81.000	MMLIC	
.0000			46-3317841				MM Greenhill Office LLC	.DE	NIA	C.M. Life Insurance Company	Ownership	19.000	MMLIC	
.0000			46-5347643				MMI/Hines Harrison LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	82.800	MMLIC	
.0000			46-5347643				MMI/Hines Harrison LLC	.DE	NIA	C.M. Life Insurance Company	Ownership	7.200	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			46-3465271				SBNP SIA LLC	.DE	NIA	Cornerstone Real Estate Advisers LLC	Influence		MMLIC	
.0000			35-2484550				Twenty Two Liberty LLC	.MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	69.600	MMLIC	
.0000			35-2484550				Twenty Two Liberty LLC	.MA	NIA	C.M. Life Insurance Company	Ownership	6.900	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			47-1855920				U.S. Buyer Broadcasting LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	12.700	MMLIC	
.0000			45-5401109				Washington Gateway Apartments Venture LLC	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	91.000	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			20-5481477				Ygnatio Valley Funding	.DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	90.000	MMLIC	
.0000			45-3168892				MassMutual Barings Dynamic Allocation Fund	.MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
.0000			04-3212054		0000927972	00	MassMutual Premier Balanced Fund	.MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	7.200	MMLIC	

13.10

STATEMENT AS OF JUNE 30, 2015 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			04-3277549		0000927972	00	MassMutual Premier Core Bond Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..2.000	..MMLIC	
.....0000			04-3539083		0000927972	00	MassMutual Premier Disciplined Value Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..8.400	..MMLIC	
.....0000			04-3539084		0000927972	00	MassMutual Premier Disciplined Growth Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..6.600	..MMLIC	
.....0000			04-3464165		0000927972	00	MassMutual Premier Diversified Bond Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..10.900	..MMLIC	
.....0000			02-0754273		0000927972	00	MassMutual Premier Focused International Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..0.000	..MMLIC	
.....0000			51-0529334		0000927972	00	MassMutual Premier Global Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..16.000	..MMLIC	
.....0000			04-3520009		0000927972	00	MassMutual Premier High Yield Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..16.400	..MMLIC	
.....0000			03-0532475		0000927972	00	MassMutual Premier Inflation-Protected and Income Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..10.100	..MMLIC	
.....0000			04-3212044		0000927972	00	MassMutual Premier International Equity Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..5.100	..MMLIC	
.....0000			51-0529328		0000927972	00	MassMutual Premier Main Street Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..49.800	..MMLIC	
.....0000			04-3212057		0000927972	00	MassMutual Premier Short-Duration Bond Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..39.100	..MMLIC	
.....0000			04-3224705		0000927972	00	MassMutual Premier Small/Mid Cap Opportunities Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..11.800	..MMLIC	
.....0000			26-3229251		0000927972	00	MassMutual Premier Strategic Emerging Markets Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..35.600	..MMLIC	
.....0000			04-3277550		0000927972	00	MassMutual Premier Value Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..98.100	..MMLIC	
.....0000			27-1028263		0000916053	00	MassMutual Select Blackrock Global Allocation Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..5.000	..MMLIC	
.....0000			04-3556992		0000916053	00	MassMutual Select Blue Chip Growth Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..5.900	..MMLIC	
.....0000			14-1980900		0000916053	00	MassMutual Select Diversified International Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..92.500	..MMLIC	
.....0000			01-0821120		0000916053	00	MassMutual Select Diversified Value Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..41.400	..MMLIC	
.....0000			04-3512590		0000916053	00	MassMutual Select Focused Value Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..4.000	..MMLIC	
.....0000			04-3512593		0000916053	00	MassMutual Select Fundamental Growth Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..99.800	..MMLIC	
.....0000			04-3584138		0000916053	00	MassMutual Select Fundamental Value Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..3.800	..MMLIC	
.....0000			04-3512589		0000916053	00	MassMutual Select Growth Opportunities Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..2.200	..MMLIC	
.....0000			04-3513019		0000916053	00	MassMutual Select Large Cap Value Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..5.200	..MMLIC	
.....0000			04-3512596		0000916053	00	MassMutual Select Mid Cap Growth Equity II Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..1.800	..MMLIC	
.....0000			42-1710935		0000916053	00	MassMutual Select Mid-Cap Value Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..99.800	..MMLIC	

13.11

STATEMENT AS OF JUNE 30, 2015 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			45-5357167		0000916053	QQ	MassMutual Select MSCI EAFE International Index Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..1.300	MMLIC	
..0000			04-3557000		0000916053	QQ	MassMutual Select Overseas Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..4.000	MMLIC	
..0000			27-2377446		0000916053	QQ	MassMutual Select PIMCO Total Return Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..6.400	MMLIC	
..0000			45-5366542		0000916053	QQ	MassMutual Select Russell 2000 Small Cap Index Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..1.700	MMLIC	
..0000			04-3410047		0000916053	QQ	MassMutual Select S&P 500 Index Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..2.800	MMLIC	
..0000			04-3464205		0000916053	QQ	MassMutual Select Small Cap Growth Equity Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..5.700	MMLIC	
..0000			02-0769954		0000916053	QQ	MassMutual Select Small Capital Value Equity Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..99.800	MMLIC	
..0000			04-3584141		0000916053	QQ	MassMutual Select Small Company Growth Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..100.000	MMLIC	
..0000			04-3584140		0000916053	QQ	MassMutual Select Small Company Value Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..2.200	MMLIC	
..0000			45-5349772		0000916053	QQ	MassMutual Select S&P Mid Cap Index Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..3.400	MMLIC	
..0000			26-0099965		0000916053	QQ	MassMutual Select Strategic Bond Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..3.100	MMLIC	
..0000			46-4257056		0000067160		MML Series International Equity Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..10.800	MMLIC	
..0000			47-3517233		0001317146		MML Series II Asset Momentum Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..100.000	MMLIC	
..0000			47-3529636		0001317146		MML Series II Dynamic Bond Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..100.000	MMLIC	
..0000			47-3544629		0001317146		MML Series II Equity Rotation Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..100.000	MMLIC	
..0000			47-3559064		0001317146		MML Series II Special Situations Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..100.000	MMLIC	
..0000			03-0532456		0000916053		MassMutual RetireSMART 2010 Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..5.100	MMLIC	
..0000			27-1933828		0000916053		MassMutual RetireSMART 2015 Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..5.100	MMLIC	
..0000			03-0532467		0000916053		MassMutual RetireSMART 2020 Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..0.000	MMLIC	
..0000			27-1933753		0000916053		MassMutual RetireSMART 2025 Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..2.400	MMLIC	
..0000			27-1933389		0000916053		MassMutual RetireSMART 2035 Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..2.900	MMLIC	
..0000			03-0532471		0000916053		MassMutual RetireSMART 2040 Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..3.600	MMLIC	
..0000			27-1932769		0000916053		MassMutual RetireSMART 2045 Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..12.500	MMLIC	
..0000			26-1345332		0000916053		MassMutual RetireSMART 2050 Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..10.800	MMLIC	
..0000			46-3289207		0000916053		MassMutual RetireSMART 2055 Fund	..MA	..NIA	Massachusetts Mutual Life Insurance Company	Ownership	..17.100	MMLIC	

13.12

STATEMENT AS OF JUNE 30, 2015 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			45-1618155		0000916053		MassMutual RetireSMART Conservative Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	40.700	MMLIC	
.0000			45-1618222		0000916053		MassMutual RetireSMART Growth Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	30.700	MMLIC	
.0000			03-0532464		0000916053		MassMutual RetireSMART In Retirement Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	0.000	MMLIC	
.0000			45-1618262		0000916053		MassMutual RetireSMART Moderate Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	15.600	MMLIC	
.0000			45-1618046		0000916053		MassMutual RetireSMART Moderate Growth Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	19.700	MMLIC	
.0000							HarbourView CLO 2006-1 Limited	CYM	NIA	OppenheimerFunds, Inc.	Influence		MMLIC	
.0000							HarbourView CLO VII, Ltd.	CYM	NIA	OppenheimerFunds, Inc.	Influence		MMLIC	
.0000			45-3417590		0001530245		Oppenheimer Global High Yield Fund	DE	NIA	OppenheimerFunds, Inc.	Ownership	73.600	MMLIC	
.0000			46-1604428		0001562689		Oppenheimer Global Real Estate Fund	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	45.200	MMLIC	
.0000			46-1604428		0001562689		Oppenheimer Global Real Estate Fund	DE	NIA	C.M. Life Insurance Company	Ownership	3.700	MMLIC	
.0000			46-1604428		0001562689		Oppenheimer Global Real Estate Fund	DE	NIA	OppenheimerFunds, Inc.	Management		MMLIC	
.0000			13-3867060		0001005728		Oppenheimer International Growth Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	0.000	MMLIC	
.0000			84-1073463		0001116894		Oppenheimer Main Street Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	1.500	MMLIC	
.0000			47-1714929				Oppenheimer Global Multi-Asset Income Fund	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	98.600	MMLIC	
.0000			22-3849391		0001163166		Oppenheimer Real Estate Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	2.000	MMLIC	

Asterisk	Explanation
1	Massachusetts Mutual Life Insurance Company owns 1.33% of the affiliated debt of Jefferies Finance LLC
2	Debt investors own 18.8% and include Babson CLO Ltd. 2006-II, Babson CLO Ltd. 2007-I, Babson Capital Loan Strategies Fund, L.P., and Sapphire Valley CDO I, Ltd.
3	Debt investors own 23.4% and include Connecticut Valley Structured Credit CDO III, Ltd.I, Babson Capital Loan Strategies Fund, L.P., Babson CLO Ltd. 2006-II, Babson CLO Ltd. 2007-I, and Babson Mid-Market CLO Ltd. 2007-II
4	Debt investors own 1.6% and include Sapphire Valley CDO I, Ltd.
5	Partnership investors own 99% and include Babson Loan Strategies Fund, L.P.
6	Fugu Credit Plc owns 100% of the Fugu CLO B.V. assets
7	Debt investors own 13.4% and include Sapphire Valley, Babson Capital Loan Strategies Fund, L.P., Babson CLO Ltd. 2007-I, and Babson Mid-Market CLO Ltd. 2007-II
8	Debt investors own 9.9% and include Connecticut Valley CLO Fund IV, Ltd. and Babson Capital Loan Strategies Fund, L.P.
9	Debt investors own 100% and include Connecticut Valley Structured Credit CDO III, Ltd.
10	Debt investors own 53.8% and includes only Babson Capital Loan Strategies Fund, L.P.
11	Debt investors own 5.1% and include Great Lakes III, L.P. and Babson Capital Loan Strategies Fund, L.P.
12	Debt investors own 5.8% and include Great Lakes III, L.P.
13	Debt investors own 7.5% and include Great Lakes III, L.P.
14	Debt investors own 3.2% and include Great Lakes III, L.P.

SUPPLEMENTAL EXHIBITS AND SCHEDULES INTERROGATORIES

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

	Response
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. This line of business is not written by the company.
3. Not required.
4. Not required.
5. Not required.
6. Not required.
7. Not required.

Bar Code:

1. Trusteed Surplus Statement [Document Identifier 490]
2. Medicare Part D Coverage Supplement [Document Identifier 365]
3. Reasonableness of Assumptions Certification required by Actuarial Guideline XXXV [Document Identifier 445]
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]



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. Real estate notes receivable	23,898,723		23,898,723	24,564,131
2505. Pension plan asset	636,625,890	636,625,890		
2506. Cash advances to agents	120,547,576	120,547,576		
2507. Commissions and expenses on long-term lease	50,118,252	50,118,252		
2508. Intangible assets	1,722,222	1,722,222		
2509. Bills receivable	211,277	211,277		
2597. Summary of remaining write-ins for Line 25 from overflow page	833,123,940	809,225,217	23,898,723	24,564,131

Additional Write-ins for Liabilities Line 25

	1 Current Statement Date	2 December 31 Prior Year
2504. Funds awaiting escheat and other miscellaneous	41,397,054	40,344,162
2505. Deferred liability	5,931,989	1,710,816
2597. Summary of remaining write-ins for Line 25 from overflow page	47,329,043	42,054,978

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	14,932,614	(17,415,870)	(14,594,421)
2797. Summary of remaining write-ins for Line 27 from overflow page	14,932,614	(17,415,870)	(14,594,421)

STATEMENT AS OF JUNE 30, 2015 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	775,877,372	849,212,095
2. Cost of acquired:		
2.1 Actual cost at time of acquisition	66,353,243	137,001,558
2.2 Additional investment made after acquisition	133,754,739	144,693,154
3. Current year change in encumbrances	(59,538,043)	(137,636,438)
4. Total gain (loss) on disposals		210,988,647
5. Deduct amounts received on disposals		338,453,781
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	45,636,066	89,927,863
9. Book/adjusted carrying value at the end of current period (Lines 1+2+3+4-5+6-7-8)	870,811,245	775,877,372
10. Deduct total nonadmitted amounts		
11. Statement value at end of current period (Line 9 minus Line 10)	870,811,245	775,877,372

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	19,356,684,887	16,473,709,152
2. Cost of acquired:		
2.1 Actual cost at time of acquisition	1,727,497,127	4,356,553,963
2.2 Additional investment made after acquisition	195,567,116	343,906,179
3. Capitalized deferred interest and other	12,922,400	10,445,161
4. Accrual of discount	802,222	2,652,029
5. Unrealized valuation increase (decrease)		
6. Total gain (loss) on disposals	(4,593,658)	1,524,412
7. Deduct amounts received on disposals	894,197,512	1,733,777,081
8. Deduct amortization of premium and mortgage interest points and commitment fees	4,001,179	8,836,909
9. Total foreign exchange change in book value/recorded investment excluding accrued interest	(1,377,419)	(79,083,573)
10. Deduct current year's other than temporary impairment recognized		10,408,446
11. Book value/recorded investment excluding accrued interest at end of current period (Lines 1+2+3+4+5+6-7-8+9-10)	20,389,303,984	19,356,684,887
12. Total valuation allowance		
13. Subtotal (Line 11 plus Line 12)	20,389,303,984	19,356,684,887
14. Deduct total nonadmitted amounts		
15. Statement value at end of current period (Line 13 minus Line 14)	20,389,303,984	19,356,684,887

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	7,052,880,574	7,278,892,120
2. Cost of acquired:		
2.1 Actual cost at time of acquisition	371,380,509	297,251,336
2.2 Additional investment made after acquisition	572,420,306	1,214,780,370
3. Capitalized deferred interest and other		
4. Accrual of discount		
5. Unrealized valuation increase (decrease)	263,848,166	1,042,162,289
6. Total gain (loss) on disposals		45,572,060
7. Deduct amounts received on disposals	714,498,274	2,804,930,461
8. Deduct amortization of premium and depreciation	402,518	379,788
9. Total foreign exchange change in book/adjusted carrying value	(2,151,849)	(18,022,634)
10. Deduct current year's other than temporary impairment recognized		2,444,718
11. Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5+6-7-8+9-10)	7,543,476,914	7,052,880,574
12. Deduct total nonadmitted amounts	68,598,571	82,887,770
13. Statement value at end of current period (Line 11 minus Line 12)	7,474,878,343	6,969,992,804

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	84,372,279,178	75,067,498,526
2. Cost of bonds and stocks acquired	10,054,719,898	24,972,581,331
3. Accrual of discount	234,763,736	482,550,007
4. Unrealized valuation increase (decrease)	174,793,276	1,304,030,872
5. Total gain (loss) on disposals	85,224,467	425,228,669
6. Deduct consideration for bonds and stocks disposed of	8,146,196,505	17,255,220,890
7. Deduct amortization of premium	99,183,382	201,542,649
8. Total foreign exchange change in book/adjusted carrying value	(49,510,546)	(300,001,147)
9. Deduct current year's other than temporary impairment recognized	34,655,763	122,845,541
10. Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5-6-7+8-9)	86,592,234,359	84,372,279,178
11. Deduct total nonadmitted amounts		
12. Statement value at end of current period (Line 10 minus Line 11)	86,592,234,359	84,372,279,178

STATEMENT AS OF JUNE 30, 2015 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)	44,328,550,623	2,357,983,531	2,660,602,357	181,379,811	44,328,550,623	44,207,311,609		43,833,393,444
2. NAIC 2 (a)	27,144,111,354	21,085,215,319	20,597,051,436	238,593,015	27,144,111,354	27,870,868,252		26,387,797,369
3. NAIC 3 (a)	3,147,019,169	600,387,908	261,031,166	(89,353,582)	3,147,019,169	3,397,022,329		2,830,806,610
4. NAIC 4 (a)	1,960,110,897	140,952,733	218,873,374	(34,764,492)	1,960,110,897	1,847,425,764		1,936,387,385
5. NAIC 5 (a)	693,000,776	27,847,633	74,881,233	55,645,953	693,000,776	701,613,129		815,060,053
6. NAIC 6 (a)	472,302,893	34,253,015	22,072,032	(73,644,673)	472,302,893	410,839,203		492,787,973
7. Total Bonds	77,745,095,712	24,246,640,139	23,834,511,598	277,856,033	77,745,095,712	78,435,080,286		76,296,232,834
PREFERRED STOCK								
8. NAIC 1	232,800,000	17,993,750		1	232,800,000	250,793,751		186,000,000
9. NAIC 2	221,083,276	7,190,400		7,761,600	221,083,276	236,035,276		211,077,676
10. NAIC 3	123,000,000				123,000,000	123,000,000		123,000,000
11. NAIC 4	4,392,538	224,560	694,000	521,343	4,392,538	4,444,441		3,964,646
12. NAIC 5	652,497		342,924	(1)	652,497	309,572		652,497
13. NAIC 6								
14. Total Preferred Stock	581,928,311	25,408,710	1,036,924	8,282,943	581,928,311	614,583,040		524,694,819
15. Total Bonds and Preferred Stock	78,327,024,023	24,272,048,849	23,835,548,523	286,138,976	78,327,024,023	79,049,663,326		76,820,927,653

(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 \$ 4,001,303 ; NAIC 2 \$ 1,369,137,321 ; NAIC 3 \$ 401,739,080 ; NAIC 4 \$; NAIC 5 \$; NAIC 6 \$

S102

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	208,104,967	xxx	207,915,458		

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	371,463,818	422,802,547
2. Cost of short-term investments acquired	451,568,336	1,702,836,377
3. Accrual of discount	542,803	2,009,802
4. Unrealized valuation increase (decrease)		
5. Total gain (loss) on disposals	3,096	19,006
6. Deduct consideration received on disposals	615,473,086	1,756,203,914
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)	208,104,967	371,463,818
11. Deduct total nonadmitted amounts		
12. Statement value at end of current period (Line 10 minus Line 11)	208,104,967	371,463,818

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)	3,106,864,771
2. Cost Paid/(Consideration Received) on additions	197,786,026
3. Unrealized Valuation increase/(decrease)	(428,810,682)
4. Total gain (loss) on termination recognized	137,296,311
5. Considerations received/(paid) on terminations	238,438,482
6. Amortization	(2,028,948)
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)	2,772,668,997
10. Deduct nonadmitted assets	
11. Statement value at end of current period (Line 9 minus Line 10)	2,772,668,997

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	(45,253,236)
3.14 Section 1, Column 18, prior year	38,195,977 (83,449,212) (83,449,212)
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	(45,253,236)
3.24 Section 1, Column 19, prior year	38,195,977 (83,449,212) (83,449,212)
3.3 Subtotal (Line 3.1 minus Line 3.2)	
4.1 Cumulative variation margin on terminated contracts during the year	(40,702,330)
4.2 Less:	
4.21 Amount used to adjust basis of hedged item	
4.22 Amount recognized	(78,898,307) (78,898,307)
4.3 Subtotal (Line 4.1 minus Line 4.2)	38,195,977
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	(38,195,977)
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 JUNE 30, 2015 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	39,000,000	35,561,848	10/01/2012	10/01/2042	Swap/Vanilla		(3,192,686)	223611-AA-5	Cowboys Stadium LP Senior Secured Note	2	39,000,000	38,754,534
57629*AA9	Evergreen Basket of Long Fixed Rate Corp Inv Grade Equiv Bonds	2		12,800,000	12,802,586	10/01/2012	10/01/2042	Swap/Vanilla			955306-AA-4	West Pharmaceutical Services Senior Note Series B	2	12,800,000	12,802,586
57629*AA9	Evergreen Basket of Long Fixed Rate Corp Inv Grade Equiv Bonds	2		4,000,000	3,935,044	10/01/2012	10/01/2042	Swap/Vanilla			27965F-AD-4	Edens & Avanti Investments LP Gtd Senior Note Series A Tr D	2	4,000,000	3,935,044
57629*AB7	Evergreen Basket of Long Fixed Rate Bank Loans B- or Above	3	50,000,000	39,006,341	32,159,899	10/01/2012	10/01/2042	Swap/Vanilla		(3,251,748)	92300F-11-0	Al Maqsd Development Co.	1	39,006,341	35,411,647
57629*AB7	Evergreen Basket of Long Fixed Rate Bank Loans B- or Above	3		14,973,494	15,076,646	10/01/2012	10/01/2042	Swap/Vanilla			05615M-AC-1	BABSON CLO LTD	1	14,973,494	15,076,646
57629*AB7	Evergreen Basket of Long Fixed Rate Bank Loans B- or Above	3		4,526,271	4,400,642	10/01/2012	10/01/2042	Swap/Vanilla			38137A-AG-8	GOLDENTREE LOAN OPPORTUNI	1	4,526,271	4,400,642
57629*AC5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	264,000,000	16,445,932	(2,399,160)	11/29/2012	11/29/2042	Swap/Vanilla		(18,170,744)	87244D-AC-8	Wind River CLO Ltd Series 2013-1A Class A2	1	16,445,932	15,771,584
57629*AC5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		18,239,271	17,637,371	11/29/2012	11/29/2042	Swap/Vanilla			87244D-AA-2	Wind River CLO Ltd Series 2013-1A Class A1	1	18,239,271	17,637,371
57629*AC5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,605,020	4,450,182	11/29/2012	11/29/2042	Swap/Vanilla			09625Y-AG-6	Bluemountain CLO Ltd Series 2012-1A Class C	1	4,605,020	4,450,182
57629*AC5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		184,566,993	182,524,383	11/29/2012	11/29/2042	Swap/Vanilla			85815X-AA-1	Steele Creek CLO LTD	1	184,566,993	182,524,383
57629*AC5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		46,017,099	45,538,030	11/29/2012	11/29/2042	Swap/Vanilla			14955A-AA-1	Cavalry CLO Ltd Series	1	46,017,099	45,538,030
57629*AC5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		19,645,064	19,915,202	11/29/2012	11/29/2042	Swap/Vanilla			39808F-AC-2	GREYWOLF CLO I LTD	1	19,645,064	19,915,202
57629*AE1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	100,000,000	80,338,200	80,781,419	12/27/2012	12/27/2042	Swap/Vanilla		(3,245,416)	803066-AA-7	Sapphire Valley CDO Ltd Series 2006-1A Class A	1	80,338,200	84,026,835
57629*AE1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,331,807	6,454,844	12/27/2012	12/27/2042	Swap/Vanilla			05618M-AJ-3	BABSON CLO LTD	1	6,331,807	6,454,844
57629*AE1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		1,996,868	2,000,006	12/27/2012	12/27/2042	Swap/Vanilla			50183X-AG-6	LCM LTD PARTNERSHIP	1	1,996,868	2,000,006
57629*AE1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,365,160	7,269,593	12/27/2012	12/27/2042	Swap/Vanilla			449796-AJ-0	ING INVESTMENT MANAGEMENT	1	7,365,160	7,269,593
57629*AE1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,741,413	7,641,949	12/27/2012	12/27/2042	Swap/Vanilla			871556-AC-0	SYMPHONY CLO LTD	1	7,741,413	7,641,949
57629*AD3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	100,000,000	43,800,000	40,514,551	12/27/2012	12/27/2042	Swap/Vanilla		(3,245,416)	00900A-AA-6	Aimco Series 2014-AA Class A	1	43,800,000	43,759,967
57629*AD3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5,226,266	5,184,135	12/27/2012	12/27/2042	Swap/Vanilla			00889V-AC-1	AIMCO CDO	1	5,226,266	5,184,135
57629*AD3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,780,353	10,893,424	12/27/2012	12/27/2042	Swap/Vanilla			14309D-AC-4	Carlisle High Yield PartnersSeries 2007-10A Class A2B	1	11,780,353	10,893,424
57629*AD3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,500,000	10,502,877	12/27/2012	12/27/2042	Swap/Vanilla			74982G-AE-1	Race Point VII CLO Ltd.Series 2012-7A Class B	1	10,500,000	10,502,877
57629*AD3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		28,445,917	27,974,918	12/27/2012	12/27/2042	Swap/Vanilla			26250U-AC-9	Dryden Senior Loan Fund Series 2013-26A Class A	1	28,445,917	27,974,918
57629*AD3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,900,000	4,899,848	12/27/2012	12/27/2042	Swap/Vanilla			67590B-AE-0	Octagon INV Partners XVI LTD	1	4,900,000	4,899,848
57629*AD3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		269,108	270,793	12/27/2012	12/27/2042	Swap/Vanilla			09627R-AE-4	BLUEMOUNTAIN CLO LTD	1	269,108	270,793
57629*AF8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	100,000,000	42,065,218	39,116,255	12/28/2012	12/28/2042	Swap/Vanilla		(3,034,112)	49638T-AC-7	Kingsland LTD Series 2006-3A Class A1	1	42,065,218	42,150,367
57629*AF8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5,714,283	5,683,709	12/28/2012	12/28/2042	Swap/Vanilla			743520-AA-6	Prospect Park CDO Ltd Series 2006-1A Class A	1	5,714,283	5,683,709
57629*AF8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,453,284	11,722,644	12/28/2012	12/28/2042	Swap/Vanilla			38136B-AG-7	Goldentree Loan Opportunities Series 2007-3A Class A1BJ	1	11,453,284	11,722,644
57629*AF8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,630,371	15,023,763	12/28/2012	12/28/2042	Swap/Vanilla			55817U-AB-6	Madison Park Funding Ltd Series 2007-4A Class A1B	1	14,630,371	15,023,763
57629*AF8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,405,404	8,448,278	12/28/2012	12/28/2042	Swap/Vanilla			26828C-AC-2	ECP CLO Ltd Series 2012-4A Class A2	1	8,405,404	8,448,278
57629*AF8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,041,019	9,092,218	12/28/2012	12/28/2042	Swap/Vanilla			87155M-AC-5	Symphony CLO LTD	1	9,041,019	9,092,218
57629*AF8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,536,218	6,587,308	12/28/2012	12/28/2042	Swap/Vanilla			10302V-AG-0	BOWMAN PARK CLO, LTD	1	6,536,218	6,587,308

STATEMENT AS OF JUNE 30, 2015 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 Number	2 Description	3 NAIC Designation or Other Description	4 Notional Amount	5 Book/Adjusted Carrying Value	6 Fair Value	7 Effective Date	8 Maturity Date	Derivative Instrument(s) Open			Cash Instrument(s) Held					
								9 Description	10 Book/Adjusted Carrying Value	11 Fair Value	12 CUSIP	13 Description	14 NAIC Designation or Other Description	15 Book/Adjusted Carrying Value	16 Fair Value	
57629*AF8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,784,682	6,915,615	12/28/2012	12/28/2042	Swap/Vanilla				55818X-AG-8	MADISON PARK FUNDING LTD	1	6,784,682	6,915,615
57629*AH4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	100,000,000	34,527,276	30,638,521	12/28/2012	12/28/2042	Swap/Vanilla	(3,034,112)			67104L-AA-5	OHA Loan Funding Ltd Series 2013-2A Class A	1	34,527,276	33,672,633
57629*AH4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,150,000	9,015,147	12/28/2012	12/28/2042	Swap/Vanilla				38137D-AC-1	Goldentree Loan Opp VII Ltd Series 2013-7A Class B	1	9,150,000	9,015,147
57629*AH4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		42,513,329	41,999,874	12/28/2012	12/28/2042	Swap/Vanilla				92329X-AA-6	Venture CDO Limited Series 2014-16A Class A1L	1	42,513,329	41,999,874
57629*AH4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		17,900,000	17,528,772	12/28/2012	12/28/2042	Swap/Vanilla				89852T-AC-2	Tryon Park CLO, LTD.	1	17,900,000	17,528,772
57629*AH4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		1,397,877	1,392,525	12/28/2012	12/28/2042	Swap/Vanilla				50184V-AG-9	LCM LTD PARTNERSHIP	1	1,397,877	1,392,525
57629*AG6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	100,000,000	9,325,000	6,347,220	12/28/2012	12/28/2042	Swap/Vanilla	(3,034,112)			14310U-AC-3	CARLYLE GLOBAL MARKET STR	1	9,325,000	9,381,332
57629*AG6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5,400,000	5,359,225	12/28/2012	12/28/2042	Swap/Vanilla				38137D-AG-2	GOLDENTREE LOAN OPPORTUNITIES Oha Park Avenue CLO Ltd Series 2007-1A Class A1B	1	5,400,000	5,359,225
57629*AG6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		31,900,277	31,996,615	12/28/2012	12/28/2042	Swap/Vanilla				67085X-AB-0	Bluemountain CLO Ltd Series 2013-2A Class B1	1	31,900,277	31,996,615
57629*AG6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,100,000	9,963,802	12/28/2012	12/28/2042	Swap/Vanilla				09626Y-AC-4	Race Point CLO Ltd. Series 2013-8A Class B	1	10,100,000	9,963,802
57629*AG6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,075,985	5,865,438	12/28/2012	12/28/2042	Swap/Vanilla				74982L-AE-0	Flatiron CLO LTD Series 2011-1A Class A	1	6,075,985	5,865,438
57629*AG6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,600,000	13,600,190	12/28/2012	12/28/2042	Swap/Vanilla				33882W-AA-1	Emerson Park CLO, Ltd. Series 2013-1A Class B1	1	13,600,000	13,600,190
57629*AG6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,306,904	12,807,726	12/28/2012	12/28/2042	Swap/Vanilla				29108Q-AC-6	O H A Loan Funding LTD.	1	13,306,904	12,807,726
57629*AG6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,513,155	10,401,487	12/28/2012	12/28/2042	Swap/Vanilla				67091H-AC-5	O H A Loan Funding LTD.	1	10,513,155	10,401,487
57629*AG6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		1,397,877	1,392,525	12/28/2012	12/28/2042	Swap/Vanilla				50184V-AG-9	LCM LTD PARTNERSHIP	1	1,397,877	1,392,525
57629*AG6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,854,047	4,832,850	12/28/2012	12/28/2042	Swap/Vanilla				46617N-AE-7	JFIN CLO LTD	1	4,854,047	4,832,850
57629*AJ0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	50,000,000	15,189,119	13,430,954	12/28/2012	12/28/2042	Swap/Vanilla	(1,517,056)			85443Z-AA-9	STANFORD STREET CLO, LTD	1	15,189,119	14,948,010
57629*AJ0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,200,000	14,200,454	12/28/2012	12/28/2042	Swap/Vanilla				67089B-AN-8	OHA Intrapid Lev Loan Fund Series 2011-1AR Class CR	1	14,200,000	14,200,454
57629*AJ0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,100,090	7,484,855	12/28/2012	12/28/2042	Swap/Vanilla				803066-AG-4	Sapphire Valley CDO Ltd Series 2006-1A Class D	1	7,100,090	7,484,855
57629*AJ0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		19,912,605	19,708,367	12/28/2012	12/28/2042	Swap/Vanilla				09625J-AA-2	Bluemountain CLO Ltd Series 2013-3A Class A	1	19,912,605	19,708,367
57629*AK7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	50,000,000	40,371,286	38,812,840	12/28/2012	12/28/2042	Swap/Vanilla	(1,517,056)			131248-AC-0	Callidus Debt Partners CDO Fnd Series 6A Class A1T	1	40,371,286	40,329,896
57629*AK7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,075,585	8,063,331	12/28/2012	12/28/2042	Swap/Vanilla				67089B-AB-4	OHA Intrapid Lev Loan Fund Series 2011-1A Class B	1	8,075,585	8,063,331
57629*AK7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,970,318	7,420,040	12/28/2012	12/28/2042	Swap/Vanilla				15135D-AC-1	Cent CDO Ltd Series 2007-14A Class B	1	6,970,318	7,420,040
57629*AL5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	50,000,000	11,752,507	9,882,294	12/28/2012	12/28/2042	Swap/Vanilla	(1,517,056)			14310D-AG-2	Carlisle Global Market Strategy Series 2013-2A Class C1	1	11,752,507	11,399,350
57629*AL5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		23,623,583	23,173,378	12/28/2012	12/28/2042	Swap/Vanilla				00164B-AC-1	A L M Loan Funding Series 2013-7R2A Class A2	1	23,623,583	23,173,378
57629*AL5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		17,625,000	17,551,310	12/28/2012	12/28/2042	Swap/Vanilla				55952Y-AC-1	Magnetite VIII CLO LTD	1	17,625,000	17,551,310
57629*AM3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	50,000,000	20,457,988	18,787,486	12/28/2012	12/28/2042	Swap/Vanilla	(1,517,056)			27828T-AA-5	Eaton Vance CDO Ltd Series 2006-8A Class A	1	20,457,988	20,304,542
57629*AM3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		29,523,714	29,581,169	12/28/2012	12/28/2042	Swap/Vanilla				38136G-AB-7	Goldentree Loan Opportunities Series 2007-4A Class A1B	1	29,523,714	29,581,169
57629*AM3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,029,346	2,975,187	12/28/2012	12/28/2042	Swap/Vanilla				87159Q-AN-8	SYMPHONY CLO LTD	1	3,029,346	2,975,187
57629*AN1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	50,000,000	13,841,168	11,868,671	12/31/2012	12/31/2042	Swap/Vanilla	(1,979,763)			75157E-AA-0	Rampart CLO Ltd Series 2007-1A Class A	1	13,841,168	13,848,434
57629*AN1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,000,000	7,007,070	12/31/2012	12/31/2042	Swap/Vanilla				72349B-AE-4	PINNACLE PARK CLO, LTD.	1	7,000,000	7,007,070

S105.1

STATEMENT AS OF JUNE 30, 2015 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*AN1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,807,275	14,473,910	12/31/2012	12/31/2042	Swap/Vanilla			46186G-AC-7	Inwood Park CDO Ltd Series 2006-1A Class A1B	1	14,807,275	14,473,910
57629*AN1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		15,381,276	15,003,930	12/31/2012	12/31/2042	Swap/Vanilla			09625Y-AD-3	Bluemountain CLO Ltd Series 2012-1A Class B	1	15,381,276	15,003,930
57629*AN1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,038,432	3,052,406	12/31/2012	12/31/2042	Swap/Vanilla			55818V-AC-1	MADISON PARK FUNDING LTD	1	3,038,432	3,052,406
57629*AP6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	50,000,000	29,301,820	28,350,115	12/31/2012	12/31/2042	Swap/Vanilla	(1,979,763)		74981M-AC-3	Race Point CLO Series 2007-4A Class A1B	1	29,301,820	30,329,878
57629*AP6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,892,526	10,890,517	12/31/2012	12/31/2042	Swap/Vanilla			43164Q-AA-2	Hillmark Funding Series 2006-1A Class A1	1	10,892,526	10,890,517
57629*AP6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		2,387,020	2,383,663	12/31/2012	12/31/2042	Swap/Vanilla			13124T-AC-4	Callidus Debt Partners Fnd Ltd Series 5A Class A1B	1	2,387,020	2,383,663
57629*AP6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5,762,186	5,702,206	12/31/2012	12/31/2042	Swap/Vanilla			00248P-AE-6	A Voce CLO, LTD.	1	5,762,186	5,702,206
57629*AP6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,000,192	3,844,409	12/31/2012	12/31/2042	Swap/Vanilla			67108F-AG-1	OZLM FUNDING LTD	1	4,000,192	3,844,409
57629*A04	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	50,000,000	36,048,271	33,607,910	12/31/2012	12/31/2042	Swap/Vanilla	(1,979,763)		803066-AC-3	Sapphire Valley CDO Ltd Series 2006-1A Class B	1	36,048,271	35,587,673
57629*A04	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,275,458	6,202,158	12/31/2012	12/31/2042	Swap/Vanilla			67104L-AC-1	OHA Loan Funding Ltd. Series 2013-2A Class C	1	6,275,458	6,202,158
57629*A04	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,780,319	11,700,761	12/31/2012	12/31/2042	Swap/Vanilla			143082-AB-1	Carlyle Global Mkt Strategies Series 2011-1A Class B	1	11,780,319	11,700,761
57629*AR2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	50,000,000	30,545,670	24,234,480	12/31/2012	12/31/2042	Swap/Vanilla	(1,979,763)		BCC0XF-V8-9	ST PAUL'S CLO I B.V.	1	30,545,670	26,214,243
57629*AR2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5,684,432	5,550,566	12/31/2012	12/31/2042	Swap/Vanilla			67706H-AG-3	OHA Loan Funding Ltd Series 2013-1A Class C	1	5,684,432	5,550,566
57629*AR2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		25,189,026	25,535,400	12/31/2012	12/31/2042	Swap/Vanilla			39808F-AC-2	Greywolf CLO Ltd Series 2014-1A Class A2	1	25,189,026	25,535,400
57629*AS0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	50,000,000	14,800,766	12,782,682	12/31/2012	12/31/2042	Swap/Vanilla	(1,979,763)		15134D-AA-6	Cent CDO XI Limited Series 2006-11A Class A1	1	14,800,766	14,762,445
57629*AS0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,929,281	11,874,624	12/31/2012	12/31/2042	Swap/Vanilla			806713-AC-7	Schiller Park CLO LTD Series 2007-1A Class A2	1	11,929,281	11,874,624
57629*AS0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,130,952	8,771,681	12/31/2012	12/31/2042	Swap/Vanilla			46616K-AE-4	Jfin CLO Ltd Series 2013-1A Class B	1	9,130,952	8,771,681
57629*AS0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,635,298	11,176,333	12/31/2012	12/31/2042	Swap/Vanilla			03764D-AD-3	Apidos CDO Series 2013-12A Class C	1	11,635,298	11,176,333
57629*AS0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,600,000	10,599,640	12/31/2012	12/31/2042	Swap/Vanilla			006897-AE-2	Adirondack Park CLO Ltd. Series 2013-1A Class B	1	10,600,000	10,599,640
57629*AT8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	50,000,000	12,323,856	10,304,148	12/31/2012	12/31/2042	Swap/Vanilla	(1,979,763)		14309B-AJ-3	Carlyle High Yield Partners Series 2006-9A Class A2	1	12,323,856	12,283,911
57629*AT8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,788,123	8,794,482	12/31/2012	12/31/2042	Swap/Vanilla			14308P-AA-2	Carlyle High Yield Partners Series 2006-8A Class A1	1	8,788,123	8,794,482
57629*AT8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5,039,942	4,734,659	12/31/2012	12/31/2042	Swap/Vanilla			15136R-AJ-4	Cent CLO LP Series 2013-18A Class C1	1	5,039,942	4,734,659
57629*AT8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,996,589	6,899,676	12/31/2012	12/31/2042	Swap/Vanilla			74982G-AC-5	Race Point CLO, Limited Series 2012-7A Class A	1	6,996,589	6,899,676
57629*AT8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		17,250,000	17,257,021	12/31/2012	12/31/2042	Swap/Vanilla			27830D-AC-4	Eaton Vance CDO LTD.	1	17,250,000	17,257,021
57629*AT8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,039,257	2,976,894	12/31/2012	12/31/2042	Swap/Vanilla			74982L-AG-5	RACE POINT CLO, LIMITED	1	3,039,257	2,976,894
57629*AI1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	55,000,000	28,239,948	25,896,406	04/09/2013	04/09/2043	Swap/Vanilla	(1,477,233)		04014J-AA-2	Ares XXVI CLO Ltd. Series 2013-26A Class A	1	28,239,948	27,373,639
57629*AI1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		2,902,986	3,120,547	04/09/2013	04/09/2043	Swap/Vanilla			26249W-AD-7	Dryden Leveraged Loan CDO Series 2006-11A Class A3	1	2,902,986	3,120,547
57629*AI1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,393,840	12,366,193	04/09/2013	04/09/2043	Swap/Vanilla			14954W-AC-0	Cavalry CLO Ltd Series 2013-3A Class B	1	12,393,840	12,366,193
57629*AI1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,225,000	6,228,368	04/09/2013	04/09/2043	Swap/Vanilla			67106J-AG-5	OAK HILL CREDIT PARTNERS	1	6,225,000	6,228,368
57629*AI1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,281,634	6,198,562	04/09/2013	04/09/2043	Swap/Vanilla			43132R-AA-9	HILDENE CLO LTD	1	6,281,634	6,198,562
57629*AI1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,039,257	2,976,894	04/09/2013	04/09/2043	Swap/Vanilla			74982L-AG-5	RACE POINT CLO, LIMITED	1	3,039,257	2,976,894

S105.2

STATEMENT AS OF JUNE 30, 2015 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 Number	2 Description	3 NAIC Designation or Other Description	4 Notional Amount	5 Book/Adjusted Carrying Value	6 Fair Value	7 Effective Date	8 Maturity Date	Derivative Instrument(s) Open			Cash Instrument(s) Held				
								9 Description	10 Book/Adjusted Carrying Value	11 Fair Value	12 CUSIP	13 Description	14 NAIC Designation or Other Description	15 Book/Adjusted Carrying Value	16 Fair Value
57629*BH3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	150,000,000	149,750,000	161,017,173	05/19/2014	05/19/2044	Swap/Vanilla	11,133,296	04941M-AA-3	Atlas Senior Loan Fund Ltd Series 2014-1A Class A	1	149,750,000	149,883,877	
57629*BH3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	8,653,164	8,590,870	8,590,870	05/19/2014	05/19/2044	Swap/Vanilla		03765D-AE-0	Apidos CDO Series 2014-18A Class B	1	8,653,164	8,590,870	
57629*BJ9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	150,000,000	155,335,585	161,750,334	05/19/2014	05/19/2044	Swap/Vanilla	10,765,956	49638W-AB-2	Kingsland Ltd Series 2013-6A Class A1	1	155,335,585	150,984,378	
57629*BK6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	150,000,000	144,382,820	153,141,189	05/19/2014	05/19/2044	Swap/Vanilla	10,765,956	49638Y-AA-0	Kingsland Ltd Series 2014-7A Class A	1	144,382,820	142,375,233	
57629*BK6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	18,586,028	18,338,689	18,338,689	05/19/2014	05/19/2044	Swap/Vanilla		36320D-AC-2	Galaxy CLO Ltd Series 2014-17A Class B	1	18,586,028	18,338,689	
57629*BL4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	150,000,000	40,656,521	50,548,579	05/19/2014	05/19/2044	Swap/Vanilla	10,827,179	36248M-AA-5	GT Loan Financing Ltd. Series 2013- 1A Class A	1	40,656,521	39,721,400	
57629*BL4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	77,000,000	77,000,000	76,672,673	05/19/2014	05/19/2044	Swap/Vanilla		48617N-AA-5	JFIN CLO Ltd Series 2014-II Ltd Senior Note Class A-1 144A	1	77,000,000	76,672,673	
57629*BL4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	32,483,775	31,681,088	31,681,088	05/19/2014	05/19/2044	Swap/Vanilla		50184V-AC-8	LCM LTD Partnership CVP Cascade Clo Ltd Series 2013- CLO1 Class A1	1	32,483,775	31,681,088	
57629*BM2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	150,000,000	121,928,939	131,139,717	05/19/2014	05/19/2044	Swap/Vanilla	10,842,485	126612-AA-8	Goldentree Loan Opportunities Series 2014-8A Class A	1	121,928,939	120,297,232	
57629*BM2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	32,807,698	32,807,698	32,447,307	05/19/2014	05/19/2044	Swap/Vanilla		38137L-AA-7	KVK CLO LTD Series 2014-1A Class A1	1	32,807,698	32,447,307	
57629*BNO	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	135,000,000	111,497,035	120,174,930	05/19/2014	05/19/2044	Swap/Vanilla	10,185,270	48274L-AA-9	KVK CLO LTD Series 2014-1A Class B	1	111,497,035	109,989,660	
57629*BNO	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	33,360,241	33,360,241	33,149,635	05/19/2014	05/19/2044	Swap/Vanilla		48274L-AC-5		1	33,360,241	33,149,635	
57629*BP5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	85,000,000	94,341,168	98,870,268	05/09/2014	05/09/2034	Swap/Vanilla	5,939,024	67108L-AA-1	Ozlm Ltd Series 2014-6A Class A1 .. KVK Clo Ltd Series 2013-2A Class A	1	94,341,168	92,931,244	
57629*BQ3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	60,000,000	67,426,886	71,505,228	06/05/2014	06/05/2044	Swap/Vanilla	5,574,576	48274H-AA-8		1	67,426,886	65,930,652	
57629*BR1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	131,095,669	137,999,896	07/22/2014	07/22/2044	Swap/Vanilla	8,391,976	126611-AA-0	CVP CASCADE CLO LTD	1	131,095,669	129,607,920	
57629*BT7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	24,202,277	32,332,395	07/22/2014	07/22/2044	Swap/Vanilla	8,404,779	126611-AA-0	CVP CASCADE CLO LTD	1	24,202,277	23,927,616	
57629*BT7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	22,420,625	22,420,625	22,485,697	07/22/2014	07/22/2044	Swap/Vanilla		17178N-AC-3	COMMERCIAL INDUSTRIAL FINANCE	1	22,420,625	22,485,697	
57629*BT7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	39,001,012	39,001,012	38,549,004	07/22/2014	07/22/2044	Swap/Vanilla		87159F-AA-0	SYMPHONY CLO LTD	1	39,001,012	38,549,004	
57629*BT7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	25,319,426	25,319,426	24,855,750	07/22/2014	07/22/2044	Swap/Vanilla		14954W-AA-4	CAVALRY CLO I LTD	1	25,319,426	24,855,750	
57629*AX9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	7,707,416	7,707,416	7,523,134	04/09/2013	04/09/2043	Swap/Vanilla		26249B-AA-9	DRYDEN XXIV SENIOR LOAN FUND	1	7,707,416	7,523,134	
57629*AX9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	2,226,371	2,226,371	2,253,206	04/09/2013	04/09/2043	Swap/Vanilla		26249K-AE-1	DRYDEN SENIOR LOAN FUND	1	2,226,371	2,253,206	
57629*AX9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	7,500,000	7,500,000	7,500,217	04/09/2013	04/09/2043	Swap/Vanilla		26250J-AB-6	DRYDEN XXIV SENIOR LOAN FUND	1	7,500,000	7,500,217	
57629*BU4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	38,678,633	46,650,140	07/22/2014	07/22/2044	Swap/Vanilla	8,404,779	87247C-AA-1	TICOP CLO LTD	1	38,678,633	38,245,361	
57629*BU4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	27,037,344	27,037,344	26,679,456	07/22/2014	07/22/2044	Swap/Vanilla		67590B-AA-8	OCTAGON INV PRARTNERS XVI LTD	1	27,037,344	26,679,456	
57629*BU4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	25,000,000	25,000,000	25,006,875	07/22/2014	07/22/2044	Swap/Vanilla		05363U-AE-3	AVERY POINT CLO LTD.	1	25,000,000	25,006,875	
57629*BU4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	25,286,111	25,286,111	24,785,625	07/22/2014	07/22/2044	Swap/Vanilla		09627L-AC-1	BLUEMOUNTAIN CLO LTD.	1	25,286,111	24,785,625	
57629*BU4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	10,258,709	10,258,709	9,927,490	07/22/2014	07/22/2044	Swap/Vanilla		55818K-AG-6	MADISON PARK FUNDING LTD	1	10,258,709	9,927,490	
57629*BV2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	24,937,360	32,945,823	07/22/2014	07/22/2044	Swap/Vanilla	8,353,567	82842B-AA-0	SILVERMORE CLO LTD.	1	24,937,360	24,592,256	
57629*BV2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	24,524,948	24,524,948	24,134,479	07/22/2014	07/22/2044	Swap/Vanilla		03764D-AB-7	APIDOS CDO I	1	24,524,948	24,134,479	
57629*BV2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	22,543,148	22,543,148	22,012,386	07/22/2014	07/22/2044	Swap/Vanilla		49638W-AE-6	KINGSLAND LTD	1	22,543,148	22,012,386	
57629*BV2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	20,521,875	20,521,875	19,815,060	07/22/2014	07/22/2044	Swap/Vanilla		67104L-AB-3	OHA LOAN FUNDING LTD	1	20,521,875	19,815,060	

S105.4

STATEMENT AS OF JUNE 30, 2015 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*BV2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		23,426,370	23,247,233	07/22/2014	07/22/2044	Swap/Vanilla			09627R-AA-2	BLUEMOUNTAIN CLO LTD.	1	23,426,370	23,247,233
57629*BV2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		15,000,000	14,999,775	07/22/2014	07/22/2044	Swap/Vanilla			05363U-AJ-2	AVERY POINT CLO LTD.	1	15,000,000	14,999,775
57629*B1W0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	23,420,545	31,625,856	07/22/2014	07/22/2044	Swap/Vanilla	8,366,370		67590R-AC-9	OCTAGON LOAN FUNDING, LTD.	1	23,420,545	23,259,486
57629*B1W0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		23,362,500	22,949,784	07/22/2014	07/22/2044	Swap/Vanilla			38137D-AA-5	GOLDENTREE LOAN OPPORTUNITIES VII, LIMITED	1	23,362,500	22,949,784
57629*B1W0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		22,825,417	22,127,750	07/22/2014	07/22/2044	Swap/Vanilla			67108F-AA-4	OZLM FUNDING LTD	1	22,825,417	22,127,750
57629*B1W0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		22,400,000	21,924,381	07/22/2014	07/22/2044	Swap/Vanilla			053635-AC-2	AVERY POINT II CLO, LIMITED	1	22,400,000	21,924,381
57629*B1W0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		22,202,714	21,651,277	07/22/2014	07/22/2044	Swap/Vanilla			50183J-AB-8	LOM LTD PARTNERSHIP	1	22,202,714	21,651,277
57629*B1W0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		20,179,006	20,009,880	07/22/2014	07/22/2044	Swap/Vanilla			43132R-AC-5	HILDENE CLO LTD	1	20,179,006	20,009,880
57629*B1X8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	30,000,000	22,000,000	23,640,067	08/18/2014	08/18/2044	Swap/Vanilla		1,631,113	72349B-AC-8	PINNACLE PARK CLO, LTD.	1	22,000,000	22,008,954
57629*B1X8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,490,231	12,760,619	08/18/2014	08/18/2044	Swap/Vanilla			87155F-AL-0	SYMPHONY CLO LTD	1	12,490,231	12,760,619
57629*BZ3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	50,000,000	19,986,013	22,022,125	08/27/2014	08/27/2044	Swap/Vanilla		2,343,462	26249G-AB-6	DRYDEN XXIV SENIOR LOAN FUND	1	19,986,013	19,678,663
57629*BZ3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		19,862,809	19,706,460	08/27/2014	08/27/2044	Swap/Vanilla			872455-AE-0	TICP CLO LTD	1	19,862,809	19,706,460
57629*BZ3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,000,000	12,999,805	08/27/2014	08/27/2044	Swap/Vanilla			50183J-AH-0	LOM LTD PARTNERSHIP	1	13,000,000	12,999,805
57629*CA7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	50,000,000	19,383,021	21,471,518	08/27/2014	08/27/2044	Swap/Vanilla		2,363,993	38137L-AJ-8	GOLDENTREE LOAN OPPORTUNITIES	1	19,383,021	19,107,525
57629*CA7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		19,381,494	19,107,965	08/27/2014	08/27/2044	Swap/Vanilla			67108L-AC-7	OZLM LTD	1	19,381,494	19,107,965
57629*CA7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		18,900,000	18,897,033	08/27/2014	08/27/2044	Swap/Vanilla			74982N-AB-2	RACE POINT CLO, LIMITED	1	18,900,000	18,897,033
57629*CB5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	50,000,000	18,650,000	20,980,346	08/27/2014	08/27/2044	Swap/Vanilla		2,312,666	05363X-AE-7	AVERY POINT CLO LTD.	1	18,650,000	18,667,680
57629*CB5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		18,864,504	18,743,963	08/27/2014	08/27/2044	Swap/Vanilla			03765D-AC-4	APIDOS CDO	1	18,864,504	18,743,963
57629*CB5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		18,500,000	18,502,775	08/27/2014	08/27/2044	Swap/Vanilla			04941M-AB-1	ATLAS SENIOR LOAN FUND, LTD.	1	18,500,000	18,502,775
57629*CC3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	50,000,000	18,500,000	20,783,675	08/27/2014	08/27/2044	Swap/Vanilla		2,276,737	67106J-AE-0	OAK HILL CREDIT PARTNERS LTD	1	18,500,000	18,506,938
57629*CC3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		18,657,819	18,490,066	08/27/2014	08/27/2044	Swap/Vanilla			49638Y-AC-6	KINGSLAND LTD	1	18,657,819	18,490,066
57629*CC3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		18,277,088	18,452,478	08/27/2014	08/27/2044	Swap/Vanilla			04015B-AC-4	ARES IIR CLO LTD.	1	18,277,088	18,452,478
57629*CD1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	30,000,000	18,433,804	19,561,259	09/04/2014	09/04/2044	Swap/Vanilla		1,283,627	09626Q-AC-1	BLUEMOUNTAIN CLO LTD.	1	18,433,804	18,277,632
57629*CD1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		16,728,607	16,395,866	09/04/2014	09/04/2044	Swap/Vanilla			14954T-AC-7	CAVALRY CLO I LTD	1	16,728,607	16,395,866
57629*CE9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	150,000,000	56,483,221	62,979,821	09/08/2014	09/08/2044	Swap/Vanilla		6,897,635	675919-AA-2	OCTAGON INV PARTNERS XI LTD	1	56,483,221	56,082,186
57629*CE9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		60,816,565	59,994,360	09/08/2014	09/08/2044	Swap/Vanilla			48274L-AA-9	KVK CLO LTD	1	60,816,565	59,994,360
57629*CE9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		36,625,677	36,603,582	09/08/2014	09/08/2044	Swap/Vanilla			40536Y-AC-8	HALCYON LOAN INVESTORS CLO LTD	1	36,625,677	36,603,582
57629*CF6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	30,000,000	18,323,107	20,465,213	09/17/2014	09/17/2044	Swap/Vanilla		2,471,045	532621-AC-3	LIMEROCK CLO	1	18,323,107	17,994,168
57629*CF6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		18,000,000	18,001,152	09/17/2014	09/17/2044	Swap/Vanilla			14310K-AC-5	CARLYLE GLOBAL MARKET STRATEG	1	18,000,000	18,001,152
57629*CG4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	55,000,000	9,646,662	11,522,335	10/06/2014	10/06/2034	Swap/Vanilla		1,601,329	73689A-AC-6	Portola CLO Ltd	1	9,646,662	9,921,006
57629*CG4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,181,513	9,103,331	10/06/2014	10/06/2034	Swap/Vanilla			36320D-AE-8	Galaxy CLO Ltd	1	9,181,513	9,103,331

S105.5

STATEMENT AS OF JUNE 30, 2015 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*CG4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,607,942	12,893,893	10/06/2014	10/06/2034	Swap/Vanilla			05616V-AC-0	Babson CLO Ltd 2006-II	1	10,607,942	12,893,893
57629*CG4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,300,000	9,308,072	10/06/2014	10/06/2034	Swap/Vanilla			55818R-AJ-5	Madison Park Funding Ltd	1	9,300,000	9,308,072
57629*CG4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,348,906	9,178,250	10/06/2014	10/06/2034	Swap/Vanilla			05617W-AC-7	Babson CLO Ltd. 2013-I	1	9,348,906	9,178,250
57629*CG4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,349,753	9,118,350	10/06/2014	10/06/2034	Swap/Vanilla			04941G-AE-8	Atlas Senior Loan Fund, Ltd.	1	9,349,753	9,118,350
57629*CH2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	100,000,000	17,049,274	20,674,794	10/06/2014	10/06/2044	Swap/Vanilla		3,982,208	05617Y-AC-3	Babson CLO Ltd. 2013-II	1	17,049,274	16,692,586
57629*CH2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		20,585,824	20,575,246	10/06/2014	10/06/2044	Swap/Vanilla			05618M-AE-4	BABSON CLO LTD	1	20,585,824	20,575,246
57629*CH2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,451,985	9,882,436	10/06/2014	10/06/2044	Swap/Vanilla			46186G-AG-8	INWOOD PARK CDO LTD	1	9,451,985	9,882,436
57629*CH2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,198,076	9,255,670	10/06/2014	10/06/2044	Swap/Vanilla			09627R-AE-4	BLUEMOUNTAIN CLO LTD	1	9,198,076	9,255,670
57629*CH2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5,300,000	5,299,740	10/06/2014	10/06/2044	Swap/Vanilla			67572N-AW-6	OCTAGON INVESTMENT PARTNERS	1	5,300,000	5,299,740
57629*CH2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,407,837	13,130,613	10/06/2014	10/06/2044	Swap/Vanilla			05618D-AC-8	Babson CLO Ltd	1	13,407,837	13,130,613
57629*CH2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,966,691	11,877,898	10/06/2014	10/06/2044	Swap/Vanilla			00248P-AC-0	A Voce CLO, Ltd.	1	11,966,691	11,877,898
57629*CH2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,928,945	10,746,692	10/06/2014	10/06/2044	Swap/Vanilla			93677P-AB-7	Wasatch CLO Ltd	1	10,928,945	10,746,692
57629*CH2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,500,000	11,507,130	10/06/2014	10/06/2044	Swap/Vanilla			87159Q-AJ-7	Symphony CLO Ltd	1	11,500,000	11,507,130
57629*CJ8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	175,000,000	60,000,000	62,086,092	10/10/2014	10/10/2044	Swap/Vanilla		4,229,832	67332F-AD-5	RRPF ENGINE LEASING LTD	1	60,000,000	57,856,260
57629*CJ8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		26,366,424	26,285,250	10/10/2014	10/10/2044	Swap/Vanilla			62939A-AA-5	NTC CAPITAL I	2	26,366,424	26,285,250
57629*CJ8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		20,518,529	19,358,325	10/10/2014	10/10/2044	Swap/Vanilla			230000-AB-7	CULLEN/FROST CAPITAL TRUST	2	20,518,529	19,358,325
57629*CJ8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		59,566,334	59,863,140	10/10/2014	10/10/2044	Swap/Vanilla			63534P-AF-4	NATIONAL CITY BANK, CLEVELAND	1	59,566,334	59,863,140
57629*CJ8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		1,782,984	1,809,611	10/10/2014	10/10/2044	Swap/Vanilla			09627L-AJ-6	BlueMountain CLO Ltd.	1	1,782,984	1,809,611
57629*CJ8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,393,211	4,560,667	10/10/2014	10/10/2044	Swap/Vanilla			09627V-AG-0	BlueMountain CLO Ltd.	1	4,393,211	4,560,667
57629*CJ8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,077,065	3,101,768	10/10/2014	10/10/2044	Swap/Vanilla			05617Y-AG-4	Babson CLO Ltd. 2013-II	1	3,077,065	3,101,768
57629*CJ8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,596,253	6,665,787	10/10/2014	10/10/2044	Swap/Vanilla			09625J-AF-1	BlueMountain CLO Ltd.	1	6,596,253	6,665,787
57629*CK5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	13,310,943	15,986,520	11/04/2014	11/04/2044	Swap/Vanilla		2,981,450	86482B-AC-5	SUGAR CREEK CLO LTD	1	13,310,943	13,005,070
57629*CK5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,186,168	12,889,084	11/04/2014	11/04/2044	Swap/Vanilla			12627U-AB-7	COA SUMMIT CLO LTD.	1	13,186,168	12,889,084
57629*CK5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,133,139	12,900,245	11/04/2014	11/04/2044	Swap/Vanilla			154781-AC-2	CENTRAL PARK CLO LTD	1	13,133,139	12,900,245
57629*CK5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,964,900	12,777,817	11/04/2014	11/04/2044	Swap/Vanilla			14844Q-AF-0	CASTLE GARDEN FUNDING	1	12,964,900	12,777,817
57629*CK5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,787,324	12,628,359	11/04/2014	11/04/2044	Swap/Vanilla			69688X-AC-5	PALMER SQUARE CLO LTD	1	12,787,324	12,628,359
57629*CK5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,500,000	12,227,063	11/04/2014	11/04/2044	Swap/Vanilla			26251B-AC-0	DRYDEN XXIV SENIOR LOAN F	1	12,500,000	12,227,063
57629*CK5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,000,000	9,916,000	11/04/2014	11/04/2044	Swap/Vanilla			20779M-AE-8	CONNECTICUT VALLEY STR CD	1	10,000,000	9,916,000
57629*CK5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,570,883	12,131,938	11/04/2014	11/04/2044	Swap/Vanilla			291086-AB-2	EMERSON PLACE CLO LTD	1	11,570,883	12,131,938
57629*CK5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,125,000	12,125,958	11/04/2014	11/04/2044	Swap/Vanilla			14309Q-AU-5	CARLYLE GLOBAL MARKET STR	1	12,125,000	12,125,958
57629*CK5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,245,469	11,892,751	11/04/2014	11/04/2044	Swap/Vanilla			33842R-AB-9	FLAGSHIP CLO	1	11,245,469	11,892,751

S105.6

STATEMENT AS OF JUNE 30, 2015 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 Number	2 Description	3 NAIC Designation or Other Description	4 Notional Amount	5 Book/Adjusted Carrying Value	6 Fair Value	7 Effective Date	8 Maturity Date	Derivative Instrument(s) Open			Cash Instrument(s) Held					
								9 Description	10 Book/Adjusted Carrying Value	11 Fair Value	12 CUSIP	13 Description	14 NAIC Designation or Other Description	15 Book/Adjusted Carrying Value	16 Fair Value	
57629*CK5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,211,694	6,302,079	11/04/2014	11/04/2044	Swap/Vanilla				673898-AC-6	OAKTREE CLO LTD	1	6,211,694	6,302,079
57629*CL3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	13,966,603	16,900,443	11/04/2014	11/04/2044	Swap/Vanilla		3,007,212		09627D-AC-9	BLUEMOUNTAIN CLO LTD.	1	13,966,603	13,893,231
57629*CL3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,981,972	13,925,854	11/04/2014	11/04/2044	Swap/Vanilla				55818R-AG-1	MADISON PARK FUNDING LTD	1	13,981,972	13,925,854
57629*CL3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,982,526	13,942,034	11/04/2014	11/04/2044	Swap/Vanilla				14955A-AC-7	CAVALRY CLO I LTD	1	13,982,526	13,942,034
57629*CL3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,019,183	13,709,237	11/04/2014	11/04/2044	Swap/Vanilla				27830B-AC-8	EATON VANCE CDO LTD.	1	14,019,183	13,709,237
57629*CL3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,573,634	13,509,396	11/04/2014	11/04/2044	Swap/Vanilla				38136B-AJ-1	GOLDENTREE LOAN OPPORTUNI	1	13,573,634	13,509,396
57629*CL3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,655,458	13,645,296	11/04/2014	11/04/2044	Swap/Vanilla				88390A-AF-7	WIND RIVER CLO LTD	1	13,655,458	13,645,296
57629*CL3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,600,000	13,478,851	11/04/2014	11/04/2044	Swap/Vanilla				03764Q-AC-6	APIDOS CDO I	1	13,600,000	13,478,851
57629*CL3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,951,190	12,730,406	11/04/2014	11/04/2044	Swap/Vanilla				00191L-AC-6	ARES IIR CLO LTD.	1	12,951,190	12,730,406
57629*CL3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,489,901	13,198,069	11/04/2014	11/04/2044	Swap/Vanilla				64129X-AG-4	NEUBERGER BERMAN CLO LTD	1	13,489,901	13,198,069
57629*CL3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,657,054	10,615,010	11/04/2014	11/04/2044	Swap/Vanilla				05873L-AC-0	BALLYROCK CLO 2013-1 LTD	1	10,657,054	10,615,010
57629*CM1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	12,773,391	16,071,553	11/04/2014	11/04/2044	Swap/Vanilla		3,213,305		67105V-AE-4	OAK HILL CREDIT PARTNERS	1	12,773,391	12,858,248
57629*CM1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,769,487	14,230,431	11/04/2014	11/04/2044	Swap/Vanilla				50184V-AE-4	LCM LTD PARTNERSHIP	1	14,769,487	14,230,431
57629*CM1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,000,000	12,993,435	11/04/2014	11/04/2044	Swap/Vanilla				33883B-AB-4	FLATIRON CLO LTD	1	13,000,000	12,993,435
57629*CM1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,550,000	14,561,160	11/04/2014	11/04/2044	Swap/Vanilla				09073V-AC-8	BIRCHWOOD PARK CLO, LTD.	1	14,550,000	14,561,160
57629*CM1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,717,548	14,290,787	11/04/2014	11/04/2044	Swap/Vanilla				38136B-AC-6	GOLDENTREE LOAN OPPORTUNI	1	13,717,548	14,290,787
57629*CM1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,082,169	14,200,469	11/04/2014	11/04/2044	Swap/Vanilla				020056-AC-1	ALM LOAN FUNDING V	1	14,082,169	14,200,469
57629*CM1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,909,467	13,355,168	11/04/2014	11/04/2044	Swap/Vanilla				398080-AC-5	GREYWOLF CLO LTD	1	12,909,467	13,355,168
57629*CM1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,895,577	13,837,150	11/04/2014	11/04/2044	Swap/Vanilla				04941R-AC-8	ATLAS SENIOR LOAN FUND, L	1	13,895,577	13,837,150
57629*CM1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,882,642	13,821,238	11/04/2014	11/04/2044	Swap/Vanilla				09627R-AC-8	BLUEMOUNTAIN CLO LTD.	1	13,882,642	13,821,238
57629*CM1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,984,772	7,337,880	11/04/2014	11/04/2044	Swap/Vanilla				398080-AE-1	GREYWOLF CLO LTD	1	6,984,772	7,337,880
57629*CN9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	15,000,000	18,241,796	11/04/2014	11/04/2044	Swap/Vanilla		3,239,066		87155P-AC-8	SYMPHONY CLO LTD	1	15,000,000	15,002,730
57629*CN9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		15,000,000	15,001,470	11/04/2014	11/04/2044	Swap/Vanilla				74982D-AQ-1	RACE POINT CLO, INCORPORA	1	15,000,000	15,001,470
57629*CN9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,995,574	14,895,351	11/04/2014	11/04/2044	Swap/Vanilla				00900A-AB-4	AIMCO CDO	1	14,995,574	14,895,351
57629*CN9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,959,291	14,899,896	11/04/2014	11/04/2044	Swap/Vanilla				854432-AB-7	STANFORD STREET CLO, LTD	1	14,959,291	14,899,896
57629*CN9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,915,429	14,900,417	11/04/2014	11/04/2044	Swap/Vanilla				50183X-AE-1	LCM LTD PARTNERSHIP	1	14,915,429	14,900,417
57629*CN9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,255,309	14,031,121	11/04/2014	11/04/2044	Swap/Vanilla				803066-AE-9	SAPPHIRE VALLEY CDO LTD	1	13,255,309	14,031,121
57629*CN9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,471,749	9,448,159	11/04/2014	11/04/2044	Swap/Vanilla				26249W-AB-1	DRYDEN LEVERAGED LOAN CDO	1	9,471,749	9,448,159
57629*CN9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,828,471	14,513,247	11/04/2014	11/04/2044	Swap/Vanilla				92912V-AC-9	VOYA CLO LTD	1	14,828,471	14,513,247
57629*CN9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,719,450	14,350,428	11/04/2014	11/04/2044	Swap/Vanilla				67104C-AB-3	OAK HILL CREDIT PARTNERS	1	14,719,450	14,350,428
57629*CP4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	18,235,881	21,230,456	11/04/2014	11/04/2044	Swap/Vanilla		3,316,351		40538C-AG-5	HALCYON LOAN ADVISORS FUN	1	18,235,881	17,914,105

STATEMENT AS OF JUNE 30, 2015 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*CP4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		16,600,000	16,202,164	11/04/2014	11/04/2044	Swap/Vanilla			05874P-AC-0	BALLYROCK LTD	1	16,600,000	16,202,164
57629*CP4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		16,713,267	16,370,211	11/04/2014	11/04/2044	Swap/Vanilla			04014W-AC-9	ARES IIR CLO LTD	1	16,713,267	16,370,211
57629*CP4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		15,522,341	15,637,824	11/04/2014	11/04/2044	Swap/Vanilla			14309B-AL-8	CARLYLE HIGH YIELD PARTNE	1	15,522,341	15,637,824
57629*CP4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,933,508	14,802,135	11/04/2014	11/04/2044	Swap/Vanilla			46617E-AC-1	JFIN CLO LTD	1	14,933,508	14,802,135
57629*CP4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		15,031,380	14,997,870	11/04/2014	11/04/2044	Swap/Vanilla			87247C-AC-7	TICP CLO LTD	1	15,031,380	14,997,870
57629*CP4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,284,656	12,895,259	11/04/2014	11/04/2044	Swap/Vanilla			87159F-AB-8	SYMPHONY CLO LTD	1	13,284,656	12,895,259
57629*CP4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,602,739	11,833,335	11/04/2014	11/04/2044	Swap/Vanilla			87154E-AC-4	SYMPHONY CLO LTD	1	11,602,739	11,833,335
57629*CP4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,975,000	13,974,846	11/04/2014	11/04/2044	Swap/Vanilla			26250C-AU-9	DRYDEN XXIII SENIOR LOAN	1	13,975,000	13,974,846
57629*C02	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	25,002,215	28,445,371	11/04/2014	11/04/2044	Swap/Vanilla		3,470,921	87154E-AB-6	SYMPHONY CLO LTD	1	25,002,215	24,974,450
57629*C02	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		23,346,628	23,001,564	11/04/2014	11/04/2044	Swap/Vanilla			532621-AA-7	LIMEROCK CLO	1	23,346,628	23,001,564
57629*C02	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		21,613,338	21,195,630	11/04/2014	11/04/2044	Swap/Vanilla			40538C-AC-4	HALCYON LOAN ADVISORS FUN	1	21,613,338	21,195,630
57629*C02	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,649,425	6,691,585	11/04/2014	11/04/2044	Swap/Vanilla			74981T-AA-2	RACE POINT CLO	1	6,649,425	6,691,585
57629*C02	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		17,207,997	16,960,475	11/04/2014	11/04/2044	Swap/Vanilla			053633-AB-9	AVERY POINT CLO LTD	1	17,207,997	16,960,475
57629*C02	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,486,938	10,460,218	11/04/2014	11/04/2044	Swap/Vanilla			38136B-AE-2	GOLDENTREE LOAN OPPORTUNITIES	1	10,486,938	10,460,218
57629*C02	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,873,600	14,012,880	11/04/2014	11/04/2044	Swap/Vanilla			38123H-AC-8	GOLDENTREE LOAN OPPORTUNITIES	1	13,873,600	14,012,880
57629*C02	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,476,216	4,566,659	11/04/2014	11/04/2044	Swap/Vanilla			81717E-AE-0	SENECA PARK CLO LTD	1	4,476,216	4,566,659
57629*C02	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,437,684	4,375,015	11/04/2014	11/04/2044	Swap/Vanilla			82842B-AC-6	SILVERMORE CLO LTD	1	4,437,684	4,375,015
57629*CR0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	36,876,089	40,229,059	11/04/2014	11/04/2044	Swap/Vanilla		3,445,159	43132V-AA-0	HILDENE CLO LTD	1	36,876,089	36,783,900
57629*CR0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,930,032	13,974,996	11/04/2014	11/04/2044	Swap/Vanilla			66859G-AA-5	NORTHWOODS CAPITAL, LIMIT	1	13,930,032	13,974,996
57629*CR0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		30,192,929	29,847,403	11/04/2014	11/04/2044	Swap/Vanilla			64129X-AC-3	NEUBERGER BERMAN CLO LTD	1	30,192,929	29,847,403
57629*CR0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		22,166,217	21,889,072	11/04/2014	11/04/2044	Swap/Vanilla			50181G-AC-4	LOM LTD PARTNERSHIP	1	22,166,217	21,889,072
57629*CR0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,287,647	9,356,068	11/04/2014	11/04/2044	Swap/Vanilla			50184N-AD-4	LOM LTD PARTNERSHIP	1	9,287,647	9,356,068
57629*CR0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,700,562	4,672,907	11/04/2014	11/04/2044	Swap/Vanilla			26249B-AE-1	DRYDEN XXIV SENIOR LOAN FUND	1	4,700,562	4,672,907
57629*CR0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,753,691	4,614,361	11/04/2014	11/04/2044	Swap/Vanilla			398079-AE-3	GREYWOLF CLO LTD	1	4,753,691	4,614,361
57629*CR0	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,465,712	4,570,951	11/04/2014	11/04/2044	Swap/Vanilla			14310V-AE-7	CARLYLE GLOBAL MARKET STR	1	4,465,712	4,570,951
57629*CS8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	65,000,000	68,551,153	11/04/2014	11/04/2044	Swap/Vanilla		3,496,683	41165G-AA-7	HARBOURVIEW CLO VII LTD	1	65,000,000	65,054,470
57629*CS8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		4,482,998	4,517,977	11/04/2014	11/04/2044	Swap/Vanilla			09627L-AG-2	BLUEMOUNTAIN CLO LTD	1	4,482,998	4,517,977
57629*CS8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		22,410,338	22,299,933	11/04/2014	11/04/2044	Swap/Vanilla			92914R-AA-0	VOYA CLO LTD	1	22,410,338	22,299,933
57629*CS8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		21,594,939	22,051,962	11/04/2014	11/04/2044	Swap/Vanilla			67706T-AA-0	QHA LOAN FUNDING LTD	1	21,594,939	22,051,962
57629*CS8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,723,116	6,862,597	11/04/2014	11/04/2044	Swap/Vanilla			64128Q-AE-5	NEUBERGER BERMAN CLO LTD	1	6,723,116	6,862,597
57629*CS8	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,148,869	9,149,528	11/04/2014	11/04/2044	Swap/Vanilla			26249K-AC-5	DRYDEN SENIOR LOAN FUND	1	9,148,869	9,149,528

S105.8

STATEMENT AS OF JUNE 30, 2015 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	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	150,000,000	18,690,493	15,922,223	12/16/2014	12/16/2044	Swap/Vanilla	(6,060,261)		979JXH-11-5	AUTOSTRADA WIELKOPOLSKA II S.A.	2	18,690,493	21,982,484
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,535,111	13,385,377	12/16/2014	12/16/2044	Swap/Vanilla			979JZF-11-7	WOMENS COLLEGE PARTNERSHI	2	11,535,111	13,385,377
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,572,672	9,189,328	12/16/2014	12/16/2044	Swap/Vanilla			92360P-11-8	AUTOPISTAS METROPOLITANAS DE PUERTO RICO	2	8,572,672	9,189,328
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,441,626	10,605,935	12/16/2014	12/16/2044	Swap/Vanilla			49636R-AL-3	Kingsland Ltd	1	11,441,626	10,605,935
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,414,336	10,938,593	12/16/2014	12/16/2044	Swap/Vanilla			26249B-AC-5	Dryden Senior Loan Fund	1	11,414,336	10,938,593
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,384,284	10,972,360	12/16/2014	12/16/2044	Swap/Vanilla			05874P-AE-6	Ballyrock CLO 2013-1 Ltd.	1	11,384,284	10,972,360
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,498,490	9,399,774	12/16/2014	12/16/2044	Swap/Vanilla			92912V-AG-0	VOYA CLO LTD	1	9,498,490	9,399,774
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,950,000	10,643,641	12/16/2014	12/16/2044	Swap/Vanilla			67590B-AC-4	Octagon Investment Partners XVI, Ltd.	1	10,950,000	10,643,641
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,042,890	11,000,022	12/16/2014	12/16/2044	Swap/Vanilla			05617L-AB-3	Babson CLO Ltd. 2012-1	1	11,042,890	11,000,022
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,096,366	11,078,368	12/16/2014	12/16/2044	Swap/Vanilla			46617N-AC-1	JFIN CLO Ltd	1	11,096,366	11,078,368
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,849,736	10,803,996	12/16/2014	12/16/2044	Swap/Vanilla			46616A-AJ-5	JFIN CLO Ltd	1	10,849,736	10,803,996
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,663,194	10,569,734	12/16/2014	12/16/2044	Swap/Vanilla			50181G-AE-0	LCM Ltd Partnership	1	10,663,194	10,569,734
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5,982,895	5,946,609	12/16/2014	12/16/2044	Swap/Vanilla			27830D-AE-0	EATON VANCE CDO LTD.	1	5,982,895	5,946,609
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,412,756	7,082,532	12/16/2014	12/16/2044	Swap/Vanilla			14310G-AG-5	CARLYLE CLOBAL MARKET STR	1	7,412,756	7,082,532
57629*CX7	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,850,000	3,836,271	12/16/2014	12/16/2044	Swap/Vanilla			67572N-BA-3	OCTAGON INVESTMENT PARTNE	1	3,850,000	3,836,271
57629*CT6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	150,000,000	162,848,579	131,953,941	12/16/2014	12/16/2044	Swap/Vanilla	(6,370,168)		77277L-GO-1	RockaII CLO BV	1	162,848,579	138,324,109
57629*CT6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,000,000	8,918,748	12/16/2014	12/16/2044	Swap/Vanilla			05617W-AE-3	BABSON CLO LTD	1	9,000,000	8,918,748
57629*CT6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,111,991	7,012,223	12/16/2014	12/16/2044	Swap/Vanilla			46617E-AE-7	JFIN CLO LTD	1	7,111,991	7,012,223
57629*CT6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,967,646	7,000,378	12/16/2014	12/16/2044	Swap/Vanilla			33882W-AE-3	FLATIRON CLO LTD	1	6,967,646	7,000,378
57629*CT6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,920,613	7,000,000	12/16/2014	12/16/2044	Swap/Vanilla			14310D-AE-7	CARLYLE GLOBAL MARKET STR	1	6,920,613	7,000,000
57629*CIW9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	250,000,000	41,792,910	29,770,257	12/16/2014	12/16/2044	Swap/Vanilla	(9,945,482)		979JXQ-11-5	CONNECT PLUS M25 LTD	1	41,792,910	39,715,739
57629*CIW9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		31,230,862	27,190,483	12/16/2014	12/16/2044	Swap/Vanilla			923RLU-11-8	AL WATHBA VEOLIA BESIX WASTE	1	31,230,862	27,190,483
57629*CIW9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		14,000,000	14,000,182	12/16/2014	12/16/2044	Swap/Vanilla			15136G-AQ-2	CENT CLO 18 LIMITED	1	14,000,000	14,000,182
57629*CIW9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		34,606,048	34,426,535	12/16/2014	12/16/2044	Swap/Vanilla			87247U-AC-7	TICP CLO Ltd	1	34,606,048	34,426,535
57629*CIW9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		19,409,336	19,601,328	12/16/2014	12/16/2044	Swap/Vanilla			67400L-AC-2	OAKTREE EIF II LTD	1	19,409,336	19,601,328
57629*CIW9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,471,676	12,522,850	12/16/2014	12/16/2044	Swap/Vanilla			09627V-AC-9	BLUEMOUNTAIN CLO LTD	1	12,471,676	12,522,850
57629*CIW9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		22,077,197	22,050,154	12/16/2014	12/16/2044	Swap/Vanilla			09627V-AA-3	BLUEMOUNTAIN CLO LTD	1	22,077,197	22,050,154
57629*CIW9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,603,107	11,656,469	12/16/2014	12/16/2044	Swap/Vanilla			55818V-AC-1	MADISON PARK FUNDING LTD	1	11,603,107	11,656,469
57629*CIW9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		18,581,546	18,561,130	12/16/2014	12/16/2044	Swap/Vanilla			04964W-AC-9	ATRIUM CDO CORP	1	18,581,546	18,561,130
57629*CIW9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		20,303,199	20,216,664	12/16/2014	12/16/2044	Swap/Vanilla			04964W-AA-3	ATRIUM XI	1	20,303,199	20,216,664
57629*CIW9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,244,720	12,348,792	12/16/2014	12/16/2044	Swap/Vanilla			88432D-AC-8	WIND RIVER CLO LTD	1	12,244,720	12,348,792

S105.9

STATEMENT AS OF JUNE 30, 2015 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*CI9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,430,045	12,353,125	12/16/2014	12/16/2044	Swap/Vanilla			05618L-AB-2	BABSON CLO LTD 2013-I	1	12,430,045	12,353,125
57629*CI9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,105,522	12,102,637	12/16/2014	12/16/2044	Swap/Vanilla			82817R-AB-7	SILVER SPRING CLO LTD	1	12,105,522	12,102,637
57629*CI9	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,216,155	6,336,528	12/16/2014	12/16/2044	Swap/Vanilla			05616X-AJ-1	BABSON CLO LTD	1	6,216,155	6,336,528
57629*CU3	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	250,000,000	364,801,445	359,991,222	12/16/2014	12/16/2044	Swap/Vanilla		(10,926,853)	57542Z-AO-7	MASSMUTUAL ASSET FINANCE	1	364,801,445	370,918,075
57629*CV1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	200,000,000	128,401,865	115,954,984	12/16/2014	12/16/2044	Swap/Vanilla		(9,154,692)	77277L-B8-9	ROCKALL CLO BV	1	128,401,865	125,109,676
57629*CV1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		24,263,499	24,090,168	12/16/2014	12/16/2044	Swap/Vanilla			65531W-AA-8	NOMAD CLO, LTD	1	24,263,499	24,090,168
57629*CV1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		23,491,833	23,250,884	12/16/2014	12/16/2044	Swap/Vanilla			09625J-AA-2	BLUEMOUNTAIN CLO LTD	1	23,491,833	23,250,884
57629*CV1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		19,870,509	19,819,880	12/16/2014	12/16/2044	Swap/Vanilla			38136B-AE-2	GOLDENTREE LOAN OPPORTUNITIES	1	19,870,509	19,819,880
57629*CV1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		23,225,000	23,230,853	12/16/2014	12/16/2044	Swap/Vanilla			14310U-AA-7	CARLYLE GLOBAL MARKET STR	1	23,225,000	23,230,853
57629*CV1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		10,971,209	10,859,332	12/16/2014	12/16/2044	Swap/Vanilla			04941G-AA-6	ATLAS SENIOR LOAN FUND, LTD	1	10,971,209	10,859,332
57629*CV1	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		17,409,052	17,249,086	12/16/2014	12/16/2044	Swap/Vanilla			095560-AC-2	BLUE HILL CLO, LTD	1	17,409,052	17,249,086
12518*AP5	Credit Default Indices (CDX1231/CDX.NA.IG.23)	2	200,000,000	216,607,410	272,049,040	09/22/2014	12/20/2024	Swap/CDX Long	(2,422,862)	(2,038,400)	912810-QK-7	US Treasury 3.875% DUE 8/15/2040	1	219,030,272	274,087,440
12518*A03	Credit Default Indices (CDX1231/CDX.NA.IG.23)	2	100,000,000	103,740,575	130,314,365	09/22/2014	12/20/2024	Swap/CDX Long	(1,211,431)	(1,019,200)	912810-QK-7	US Treasury 3.875% DUE 8/15/2040	1	104,952,006	131,333,565
57629*CY5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	17,889,329	1,103,978	02/05/2015	02/05/2045	Swap/Vanilla		(16,752,894)	00164M-AC-7	ALM XII, LTD.	1	17,889,329	17,856,872
57629*CY5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		28,121,466	28,163,796	02/05/2015	02/05/2045	Swap/Vanilla			67105V-AC-8	CHA CREDIT PARTNERS IX LT	1	28,121,466	28,163,796
57629*CY5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		26,834,721	26,891,823	02/05/2015	02/05/2045	Swap/Vanilla			50184K-AC-2	LCM LTD PARTNERSHIP	1	26,834,721	26,891,823
57629*CY5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		22,274,341	22,220,478	02/05/2015	02/05/2045	Swap/Vanilla			939218-AC-7	WASHINGTON MILL CLO LTD.	1	22,274,341	22,220,478
57629*CY5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		22,023,042	22,046,516	02/05/2015	02/05/2045	Swap/Vanilla			36319Q-AA-0	GALAXY CLO LTD	1	22,023,042	22,046,516
57629*CY5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5,617,863	5,633,331	02/05/2015	02/05/2045	Swap/Vanilla			10302V-AC-9	BOWMAN PARK CLO, LTD.	1	5,617,863	5,633,331
57629*CY5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		5,380,288	5,350,412	02/05/2015	02/05/2045	Swap/Vanilla			33882U-AC-1	FLATIRON CLO LTD	1	5,380,288	5,350,412
57629*CY5	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		15,422,462	15,209,033	02/05/2015	02/05/2045	Swap/Vanilla			828428-AA-0	SILVERMORE CLO LTD.	1	15,422,462	15,209,033
57629*CZ2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	15,081,797	(1,673,312)	02/05/2015	02/05/2045	Swap/Vanilla		(16,778,793)	14311D-AC-0	CARLYLE GLOBAL MARKET STR	1	15,081,797	15,105,481
57629*CZ2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		12,447,972	12,498,129	02/05/2015	02/05/2045	Swap/Vanilla			55818P-AE-0	MADISON PARK FUNDING LTD	1	12,447,972	12,498,129
57629*CZ2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		11,250,000	11,274,086	02/05/2015	02/05/2045	Swap/Vanilla			38137H-AC-2	GOLDENTREE LOAN OPPORTUNI	1	11,250,000	11,274,086
57629*CZ2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,850,000	9,889,558	02/05/2015	02/05/2045	Swap/Vanilla			36319Q-AC-6	GALAXY CLO LTD	1	9,850,000	9,889,558
57629*CZ2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,580,000	9,634,271	02/05/2015	02/05/2045	Swap/Vanilla			14311D-AE-6	CARLYLE GLOBAL MARKET STR	1	9,580,000	9,634,271
57629*CZ2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,855,111	8,731,800	02/05/2015	02/05/2045	Swap/Vanilla			15135A-AC-7	CENT CDO LTD	1	8,855,111	8,731,800
57629*CZ2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,134,638	8,793,378	02/05/2015	02/05/2045	Swap/Vanilla			44983W-AD-0	J N G INVESTMENT MANAGEME	1	8,134,638	8,793,378
57629*CZ2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,109,478	8,992,712	02/05/2015	02/05/2045	Swap/Vanilla			09626Q-AE-7	BLUEMOUNTAIN CLO LTD.	1	9,109,478	8,992,712
57629*CZ2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,209,452	9,102,557	02/05/2015	02/05/2045	Swap/Vanilla			33882W-AC-7	FLATIRON CLO LTD	1	9,209,452	9,102,557
57629*CZ2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,169,080	8,772,273	02/05/2015	02/05/2045	Swap/Vanilla			09626U-AE-8	BLUEMOUNTAIN CLO LTD.	1	9,169,080	8,772,273

S105.10

STATEMENT AS OF JUNE 30, 2015 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*CZ2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,000,000	8,879,508	02/05/2015	02/05/2045	Swap/Vanilla			67104C-AC-1	OAK HILL CREDIT PARTNERS	1	9,000,000	8,879,508
57629*CZ2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		3,895,283	3,865,028	02/05/2015	02/05/2045	Swap/Vanilla			55817X-AC-8	MADISON PARK FUNDING LTD	1	3,895,283	3,865,028
57629*CZ2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		13,500,000	10,866,812	02/05/2015	02/05/2045	Swap/Vanilla			47032B-AK-7	JAMES CAMBELL COMPANY LLC	2	13,500,000	10,866,812
57629*CZ2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,088,092	6,571,063	02/05/2015	02/05/2045	Swap/Vanilla			806713-AE-3	SCHILLER PARK CLO LTD	2	6,088,092	6,571,063
57629*CZ2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,315,733	6,476,043	02/05/2015	02/05/2045	Swap/Vanilla			39539X-AB-1	GREENS CREEK FUNDING LTD	2	6,315,733	6,476,043
57629*CZ2	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,239,731	6,306,905	02/05/2015	02/05/2045	Swap/Vanilla			55817X-AB-0	MADISON PARK FUNDING LTD	2	6,239,731	6,306,905
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	9,000,000	(8,057,470)	02/05/2015	02/05/2045	Swap/Vanilla		(16,960,090)	053635-AG-3	AVERY POINT II CLO, LIMIT	1	9,000,000	8,902,620
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,146,457	9,003,483	02/05/2015	02/05/2045	Swap/Vanilla			14310M-AG-2	CARLYLE GLOBAL MARKET STR	1	9,146,457	9,003,483
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,130,437	9,005,688	02/05/2015	02/05/2045	Swap/Vanilla			03764X-AC-1	APIDOS CDO	1	9,130,437	9,005,688
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		9,122,794	9,013,896	02/05/2015	02/05/2045	Swap/Vanilla			05363X-AG-2	AVERY POINT CLO LTD	1	9,122,794	9,013,896
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,848,025	8,752,203	02/05/2015	02/05/2045	Swap/Vanilla			50181G-AG-5	LOM LTD PARTNERSHIP	1	8,848,025	8,752,203
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,550,000	8,559,978	02/05/2015	02/05/2045	Swap/Vanilla			55952Y-AE-7	MAGNETITE VIII CLO LTD	1	8,550,000	8,559,978
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,511,926	8,492,450	02/05/2015	02/05/2045	Swap/Vanilla			00900A-AC-2	AIMCO CDO	1	8,511,926	8,492,450
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		25,381,632	24,670,650	02/05/2015	02/05/2045	Swap/Vanilla			49638W-AB-2	KINGSLAND LTD	1	25,381,632	24,670,650
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,128,614	8,266,440	02/05/2015	02/05/2045	Swap/Vanilla			861754-AE-9	STONE TOWER CLO LTD	1	8,128,614	8,266,440
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,418,186	8,302,058	02/05/2015	02/05/2045	Swap/Vanilla			05590M-AE-6	BMI CLO	1	8,418,186	8,302,058
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,423,242	8,228,894	02/05/2015	02/05/2045	Swap/Vanilla			24823B-AE-0	DENALI CAPITAL CLO X, LTD	1	8,423,242	8,228,894
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,122,738	8,248,870	02/05/2015	02/05/2045	Swap/Vanilla			04941M-AC-9	ATLAS SENIOR LOAN FUND, L	1	8,122,738	8,248,870
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,108,119	8,229,861	02/05/2015	02/05/2045	Swap/Vanilla			14310V-AJ-6	CARLYLE GLOBAL MARKET STR	1	8,108,119	8,229,861
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,571,340	7,905,284	02/05/2015	02/05/2045	Swap/Vanilla			43164Q-AB-0	HILLMARK FUNDING	1	7,571,340	7,905,284
57629*DA6	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,349,618	7,991,572	02/05/2015	02/05/2045	Swap/Vanilla			09626Y-AE-0	BLUEMOUNTAIN CLO LTD	1	8,349,618	7,991,572
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1	125,000,000	8,193,782	(8,975,601)	02/05/2015	02/05/2045	Swap/Vanilla		(17,115,487)	26249G-AC-4	DRYDEN XXIV SENIOR LOAN F	1	8,193,782	8,139,886
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,337,221	7,953,139	02/05/2015	02/05/2045	Swap/Vanilla			67108F-AC-0	OZLM FUNDING LTD	1	8,337,221	7,953,139
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,074,698	7,926,464	02/05/2015	02/05/2045	Swap/Vanilla			38137L-AE-9	GOLDENTREE LOAN OPPORTUNI	1	8,074,698	7,926,464
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,036,065	7,880,544	02/05/2015	02/05/2045	Swap/Vanilla			39808F-AE-8	GREYWOLF CLO I LTD	1	8,036,065	7,880,544
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		8,053,552	7,994,824	02/05/2015	02/05/2045	Swap/Vanilla			05618L-AD-8	BABSON CLO LTD, 2013-I	1	8,053,552	7,994,824
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,501,635	7,473,908	02/05/2015	02/05/2045	Swap/Vanilla			14309D-AA-8	CARLYLE HIGH YIELD PARTNE	1	7,501,635	7,473,908
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		35,048,409	34,584,480	02/05/2015	02/05/2045	Swap/Vanilla			67590B-AA-8	OCTAGON INV PRARTNERS XV	1	35,048,409	34,584,480
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		6,000,000	6,000,042	02/05/2015	02/05/2045	Swap/Vanilla			87158F-AA-1	SYMPHONY CLO LTD	1	6,000,000	6,000,042
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		2,578,018	2,500,633	02/05/2015	02/05/2045	Swap/Vanilla			87155P-AD-6	SYMPHONY CLO LTD	1	2,578,018	2,500,633
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,000,000	6,844,026	02/05/2015	02/05/2045	Swap/Vanilla			15136R-AE-5	CENT CLO LP	1	7,000,000	6,844,026

STATEMENT AS OF JUNE 30, 2015 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*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		46,150,000	40,189,681	02/05/2015	02/05/2045	Swap/Vanilla			589433-08-4	MEREDITH CORP.	2	46,150,000	40,189,681
57629*DB4	Evergreen Basket of Long Fixed Rate ABS Bank Loans and Corp Bonds	1		7,658,907	7,468,905	02/05/2015	02/05/2045	Swap/Vanilla			36248M-AB-3	GT LOAN FINANCING LTD.	1	7,658,907	7,468,905
File with the SVO and awaiting RSAT	Credit Default Indices (CDS)	2	7,000,000	7,280,616	7,670,696	03/20/2015	06/20/2020	Swap/CDS Long	(719,384)	(719,384)	N4345F-AC-1	Iberdrola International B.V./Gtd Senior Note Series C	2	8,000,000	8,390,080
File with the SVO and awaiting RSAT	Credit Default Indices (CDX1235/CDX.NA.IG.24)	2	135,000,000	138,500,913	150,031,845	03/20/2015	06/20/2020	Swap/CDX Long	2,443,160	1,922,130	912828-PX-2	US Treasury 3.625% DUE 2/15/2021	1	136,057,753	148,109,715
File with the SVO and awaiting RSAT	Credit Default Indices (CDX1235/CDX.NA.IG.24)	2	175,000,000	179,538,221	194,485,725	03/20/2015	06/20/2020	Swap/CDX Long	3,167,060	2,491,650	912828-PX-2	US Treasury 3.625% DUE 2/15/2021	1	176,371,161	191,994,075
File with the SVO and awaiting RSAT	Credit Default Indices (CDX1235/CDX.NA.IG.24)	2	135,000,000	138,500,913	150,031,845	03/20/2015	06/20/2020	Swap/CDX Long	2,443,160	1,922,130	912828-PX-2	US Treasury 3.625% DUE 2/15/2021	1	136,057,753	148,109,715
File with the SVO and awaiting RSAT	Credit Default Indices (CDX1235/CDX.NA.IG.24)	2	55,000,000	56,426,298	61,124,085	03/20/2015	06/20/2020	Swap/CDX Long	995,362	783,090	912828-PX-2	US Treasury 3.625% DUE 2/15/2021	1	55,430,936	60,340,995
File with the SVO and awaiting RSAT	Credit Default Indices (CDX1235/CDX.NA.IG.24)	2	70,000,000	71,814,860	77,794,290	03/20/2015	06/20/2020	Swap/CDX Long	1,266,396	996,660	912828-PX-2	US Treasury 3.625% DUE 2/15/2021	1	70,548,464	76,797,630
File with the SVO and awaiting RSAT	Credit Default Indices (CDX1235/CDX.NA.IG.24)	2	165,000,000	176,215,734	206,911,270	03/20/2015	06/20/2020	Swap/CDX Long	2,985,076	2,349,270	76116F-AG-2	US Treasury 0% DUE 2/15/2021	1	173,230,658	204,562,000
File with the SVO and awaiting RSAT	Credit Default Indices (CDX1235/CDX.NA.IG.24)	2	225,000,000	230,023,590	270,023,550	03/20/2015	06/20/2020	Swap/CDX Long	4,070,558	3,203,550	76116F-AG-2	US Treasury 0% DUE 2/15/2021	1	225,953,032	266,820,000
File with the SVO and awaiting RSAT	Credit Default Indices (CDX1235/CDX.NA.IG.24)	2	165,000,000	168,683,966	198,017,270	03/20/2015	06/20/2020	Swap/CDX Long	2,985,076	2,349,270	76116F-AG-2	US Treasury 0% DUE 2/15/2021	1	165,698,890	195,668,000
File with the SVO and awaiting RSAT	Credit Default Indices (CDX1235/CDX.NA.IG.24)	2	25,000,000	25,259,002	29,706,150	03/20/2015	06/20/2020	Swap/CDX Long	404,168	355,950	76116F-AG-2	US Treasury 0% DUE 2/15/2021	1	24,854,834	29,350,200
File with the SVO and awaiting RSAT	Credit Default Indices (CDX1235/CDX.NA.IG.24)	2	25,000,000	25,201,063	29,706,150	03/20/2015	06/20/2020	Swap/CDX Long	346,229	355,950	76116F-AG-2	US Treasury 0% DUE 2/15/2021	1	24,854,834	29,350,200
File with the SVO and awaiting RSAT	Credit Default Indices (CDX1235/CDX.NA.IG.24)	2	25,000,000	25,203,665	29,706,150	06/22/2015	06/20/2020	Swap/CDX Long	348,831	355,950	76116F-AG-2	US Treasury 0% DUE 2/15/2021	1	24,854,834	29,350,200
9999999 - Totals				9,673,828,438	9,868,624,592	XXX	XXX	XXX	17,532,799	55,512,665	XXX	XXX	XXX	9,656,295,639	9,813,111,927

S105.12

STATEMENT AS OF JUNE 30, 2015 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	86	8,353,850,000	90	8,853,850,000					86	8,353,850,000
2. Add: Opened or Acquired Transactions.....	4	500,000,000	13	1,213,000,000					17	1,713,000,000
3. Add: Increases in Replication (Synthetic Asset) Transactions Statement Value.....	XXX		XXX		XXX		XXX		XXX	
4. Less: Closed or Disposed of Transactions.....			16	1,185,850,000					16	1,185,850,000
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	90	8,853,850,000	87	8,881,000,000					87	8,881,000,000

STATEMENT AS OF JUNE 30, 2015 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.....	2,772,668,997
2.	Part B, Section 1, Column 15 plus Part B, Section 1 Footnote - Total Ending Cash Balance.....
3.	Total (Line 1 plus Line 2).....	2,772,668,997
4.	Part D, Section 1, Column 5.....	7,728,464,250
5.	Part D, Section 1, Column 6.....	(4,955,795,253)
6.	Total (Line 3 minus Line 4 minus Line 5).....
		Fair Value Check
7.	Part A, Section 1, Column 16.....	2,810,648,957
8.	Part B, Section 1, Column 13.....
9.	Total (Line 7 plus Line 8).....	2,810,648,957
10.	Part D, Section 1, Column 8.....	7,946,059,449
11.	Part D, Section 1, Column 9.....	(5,135,410,491)
12.	Total (Line 9 minus Line 10 minus Line 11).....
		Potential Exposure Check
13.	Part A, Section 1, Column 21.....	3,901,862,027
14.	Part B, Section 1, Column 20.....	70,938,000
15.	Part D, Section 1, Column 11.....	3,972,800,027
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	1,205,471,894	3,251,475,473
2. Cost of cash equivalents acquired	38,586,186,054	59,424,798,565
3. Accrual of discount	5,302,943	6,435,990
4. Unrealized valuation increase (decrease)		
5. Total gain (loss) on disposals	18,145	21,642
6. Deduct consideration received on disposals	38,230,206,299	61,477,259,776
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)	1,566,772,737	1,205,471,894
11. Deduct total nonadmitted amounts		
12. Statement value at end of current period (Line 10 minus Line 11)	1,566,772,737	1,205,471,894