



LIFE AND ACCIDENT AND HEALTH COMPANIES - ASSOCIATION EDITION

QUARTERLY STATEMENT

AS OF SEPTEMBER 30, 2012
OF THE CONDITION AND AFFAIRS OF THE

Massachusetts Mutual Life Insurance Company

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

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 01111
(Street and Number) (City or Town, State and Zip Code)

Main Administrative Office 1295 State Street, 413-788-8411
(Street and Number) (Area Code) (Telephone Number)
Springfield, MA 01111

Mail Address 1295 State Street, Springfield, MA 01111
(Street and Number or P.O. Box) (City or Town, State and Zip Code)

Primary Location of Books and Records 1295 State Street, 413-788-8411
(Street and Number) (Area Code) (Telephone Number)
Springfield, MA 01111

Internet Web Site Address www.massmutual.com

Statutory Statement Contact Tammy A. Peatman, 413-744-6327
(Name) (Area Code) (Telephone Number)
tpeatman@massmutual.com, 413-226-4086
(E-mail Address) (FAX Number)

OFFICERS

President and Chief Executive Officer	<u>Roger William Crandall</u>	Treasurer	<u>Todd Garrett Picken</u>
Secretary	<u>Christine Carole Peaslee</u>	Actuary	<u>Isadore Jermyn</u>

OTHER

Michael Thomas Rollings Executive Vice President and Chief Financial Officer	<u>Michael Robert Fanning</u> Executive Vice President	Melvin Timothy Corbett Executive Vice President and Chief Investment Officer
Robert Joseph Casale Executive Vice President and Chief Information Officer	<u>Debra Ann Palermino</u> Executive Vice President	Mark Douglas Roellig Executive Vice President and General Counsel
Elaine Ann Sarsynski Executive Vice President	<u>Elizabeth Ward Chicares</u> Executive Vice President and Chief Risk Officer	

DIRECTORS OR TRUSTEES

Roger William Crandall - Chairman	<u>Thomas Corcoran Barry</u>	Cristóbal Ignacio Conde
Kathleen Ann Corbet	<u>James Henry DeGraffenreid Jr - Lead Director</u>	Patricia Diaz Dennis
Robert Alan Essner	<u>Robert Michael Furek</u>	Raymond Walter LeBoeuf
Cathy Elizabeth Minehan	<u>Marc Francis Racicot</u>	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

Christine Carole Peaslee
Secretary

Todd Garrett Picken
Treasurer

Subscribed and sworn to before me this
day of _____

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

Yes [X] No []

STATEMENT AS OF SEPTEMBER 30, 2012 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	54,998,522,188		54,998,522,188	53,463,923,691
2. Stocks:				
2.1 Preferred stocks	335,646,121		335,646,121	323,065,140
2.2 Common stocks	6,457,626,424		6,457,626,424	5,558,464,987
3. Mortgage loans on real estate:				
3.1 First liens	13,881,967,380		13,881,967,380	12,397,576,896
3.2 Other than first liens.....				
4. Real estate:				
4.1 Properties occupied by the company (less \$ encumbrances)	97,077,192		97,077,192	104,556,253
4.2 Properties held for the production of income (less \$ 290,659,141 encumbrances)	963,745,631		963,745,631	1,077,919,791
4.3 Properties held for sale (less \$ encumbrances)	16,627,639		16,627,639	9,497,528
5. Cash (\$ 386,760,069), cash equivalents (\$ 1,775,988,362) and short-term investments (\$ 504,348,122)	2,667,096,553		2,667,096,553	1,630,581,652
6. Contract loans (including \$ premium notes)	9,917,440,887	1,194,608	9,916,246,279	9,478,455,787
7. Derivatives	3,048,222,764		3,048,222,764	3,331,825,987
8. Other invested assets	6,479,735,362	100,980,775	6,378,754,587	5,642,023,508
9. Receivables for securities	23,340,962		23,340,962	1,738,396
10. Securities lending reinvested collateral assets				
11. Aggregate write-ins for invested assets				
12. Subtotals, cash and invested assets (Lines 1 to 11)	98,887,049,103	102,175,383	98,784,873,720	93,019,629,615
13. Title plants less \$ charged off (for Title insurers only)				
14. Investment income due and accrued	338,720,679	294,271	338,426,408	500,847,014
15. Premiums and considerations:				
15.1 Uncollected premiums and agents' balances in the course of collection	83,475,840	2,527,802	80,948,038	108,036,430
15.2 Deferred premiums, agents' balances and installments booked but deferred and not yet due (including \$ earned but unbilled premiums)	479,727,393		479,727,393	505,070,770
15.3 Accrued retrospective premiums				
16. Reinsurance:				
16.1 Amounts recoverable from reinsurers	40,794,094		40,794,094	31,482,776
16.2 Funds held by or deposited with reinsured companies				
16.3 Other amounts receivable under reinsurance contracts	8,916,030		8,916,030	19,186,449
17. Amounts receivable relating to uninsured plans				
18.1 Current federal and foreign income tax recoverable and interest thereon	140,215,028		140,215,028	
18.2 Net deferred tax asset	764,841,695		764,841,695	1,057,709,260
19. Guaranty funds receivable or on deposit	28,642,249		28,642,249	28,632,418
20. Electronic data processing equipment and software	218,786,877	190,603,161	28,183,716	27,270,301
21. Furniture and equipment, including health care delivery assets (\$)	16,937,348	16,937,348		
22. Net adjustment in assets and liabilities due to foreign exchange rates	8,861		8,861	
23. Receivables from parent, subsidiaries and affiliates	39,114,590		39,114,590	39,926,329
24. Health care (\$) and other amounts receivable				
25. Aggregate write-ins for other than invested assets	1,072,972,699	967,509,330	105,463,369	98,287,993
26. Total assets excluding Separate Accounts, Segregated Accounts and Protected Cell Accounts (Lines 12 to 25)	102,120,202,486	1,280,047,295	100,840,155,191	95,436,079,353
27. From Separate Accounts, Segregated Accounts and Protected Cell Accounts	50,229,617,597		50,229,617,597	41,532,328,486
28. Total (Lines 26 and 27)	152,349,820,083	1,280,047,295	151,069,772,788	136,968,407,839
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. Investment in trust	36,107,076		36,107,076	35,175,652
2502. Employee insurance plan advances	35,379,973	307,233	35,072,740	33,728,962
2503. Real estate notes receivable	31,361,050		31,361,050	25,522,356
2598. Summary of remaining write-ins for Line 25 from overflow page	970,124,600	967,202,097	2,922,503	3,861,022
2599. Totals (Lines 2501 through 2503 plus 2598)(Line 25 above)	1,072,972,699	967,509,330	105,463,369	98,287,993

STATEMENT AS OF SEPTEMBER 30, 2012 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 \$ 69,101,274,737 less \$ included in Line 6.3 (including \$ 52,846,238 Modco Reserve)	69,101,274,737	66,086,093,515
2. Aggregate reserve for accident and health contracts (including \$ 10,746,300 Modco Reserve)	2,479,901,567	2,450,278,497
3. Liability for deposit-type contracts (including \$ Modco Reserve)	4,814,646,873	4,587,829,177
4. Contract claims:		
4.1 Life	235,197,672	253,624,031
4.2 Accident and health	21,028,049	24,455,630
5. Policyholders' dividends \$ 9,903,618 and coupons \$ due and unpaid	9,903,618	9,316,267
6. Provision for policyholders' dividends and coupons payable in following calendar year - estimated amounts:		
6.1 Dividends apportioned for payment (including \$ Modco)	1,359,240,374	1,325,394,395
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 \$ 6,244,373 accident and health premiums	25,883,521	23,242,609
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	23,561,360	18,981,023
9.3 Other amounts payable on reinsurance, including \$ 21,099,196 assumed and \$ 11,004,646 ceded	32,103,842	42,751,663
9.4 Interest Maintenance Reserve	694,192,983	546,068,208
10. Commissions to agents due or accrued-life and annuity contracts \$ 9,462,311 , accident and health \$ 447,703 and deposit-type contract funds \$	9,910,014	9,968,737
11. Commissions and expense allowances payable on reinsurance assumed	6,481,854	6,685,743
12. General expenses due or accrued	905,548,619	900,061,038
13. Transfers to Separate Accounts due or accrued (net) (including \$ (252,013,813) accrued for expense allowances recognized in reserves, net of reinsured allowances)	(293,613,974)	(288,635,312)
14. Taxes, licenses and fees due or accrued, excluding federal income taxes	67,051,152	60,742,591
15.1 Current federal and foreign income taxes, including \$ on realized capital gains (losses)		90,630,062
15.2 Net deferred tax liability		
16. Unearned investment income	163,079,117	95,841,707
17. Amounts withheld or retained by company as agent or trustee	65,118,004	73,632,418
18. Amounts held for agents' account, including \$ agents' credit balances	228,742,985	222,675,023
19. Remittances and items not allocated	14,273,835	(12,354,295)
20. Net adjustment in assets and liabilities due to foreign exchange rates		3,252
21. Liability for benefits for employees and agents if not included above	156,668,195	153,941,314
22. Borrowed money \$ 250,000,000 and interest thereon \$ (20,271)	249,979,729	249,984,889
23. Dividends to stockholders declared and unpaid		
24. Miscellaneous liabilities:		
24.01 Asset valuation reserve	1,869,088,723	1,682,645,583
24.02 Reinsurance in unauthorized companies		
24.03 Funds held under reinsurance treaties with unauthorized reinsurers		
24.04 Payable to parent, subsidiaries and affiliates	35,387,132	30,071,414
24.05 Drafts outstanding		
24.06 Liability for amounts held under uninsured plans		
24.07 Funds held under coinsurance		
24.08 Derivatives	178,664,387	178,262,520
24.09 Payable for securities	104,440,834	29,103,503
24.10 Payable for securities lending		
24.11 Capital notes \$ and interest thereon \$		
25. Aggregate write-ins for liabilities	5,576,499,094	5,175,074,551
26. Total liabilities excluding Separate Accounts business (Lines 1 to 25)	88,134,254,296	84,026,369,752
27. From Separate Accounts Statement	50,221,124,479	41,524,672,583
28. Total liabilities (Lines 26 and 27)	138,355,378,775	125,551,042,335
29. Common capital stock		
30. Preferred capital stock		
31. Aggregate write-ins for other than special surplus funds		
32. Surplus notes	1,739,308,957	1,340,338,750
33. Gross paid in and contributed surplus		
34. Aggregate write-ins for special surplus funds	3,250,000	80,580,551
35. Unassigned funds (surplus)	10,971,835,056	9,996,446,203
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 \$ 8,493,118 in Separate Accounts Statement)	12,714,394,013	11,417,365,503
38. Totals of Lines 29, 30 and 37	12,714,394,013	11,417,365,503
39. Totals of Lines 28 and 38 (Page 2, Line 28, Col. 3)	151,069,772,788	136,968,407,839
DETAILS OF WRITE-INS		
2501. Reverse repurchase agreements and interest expense	4,029,932,520	3,579,967,359
2502. Derivative collateral	1,498,561,113	1,546,287,994
2503. Funds awaiting escheat and other miscellaneous	42,285,056	43,098,793
2598. Summary of remaining write-ins for Line 25 from overflow page	5,720,405	5,720,405
2599. Totals (Lines 2501 through 2503 plus 2598)(Line 25 above)	5,576,499,094	5,175,074,551
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. Additional deferred tax as allowed by SSAP 10R		77,330,551
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	80,580,551

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
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	14,168,182,308	9,702,754,501	13,478,542,474
2. Considerations for supplementary contracts with life contingencies	13,280,961	7,274,993	12,442,478
3. Net investment income	3,523,195,783	3,583,838,550	4,669,479,242
4. Amortization of Interest Maintenance Reserve (IMR)	100,876,498	98,301,892	112,976,520
5. Separate Accounts net gain from operations excluding unrealized gains or losses	23,959	253,653	268,431
6. Commissions and expense allowances on reinsurance ceded	75,713,378	76,483,020	112,412,959
7. Reserve adjustments on reinsurance ceded	45,279,974	43,129,419	48,248,885
8. Miscellaneous Income:			
8.1 Income from fees associated with investment management, administration and contract guarantees from Separate Accounts	231,886,283	226,429,670	296,741,000
8.2 Charges and fees for deposit-type contracts	85,315,984	89,085,421	119,123,143
8.3 Aggregate write-ins for miscellaneous income	18,243,755,128	13,827,551,118	18,850,235,132
9. Totals (Lines 1 to 8.3)	951,163,920	887,153,998	1,219,798,921
10. Death benefits	9,740,398	12,365,628	15,860,916
11. Matured endowments (excluding guaranteed annual pure endowments)	753,378,819	716,123,360	919,340,710
12. Annuity benefits	253,084,975	253,925,303	340,434,250
13. Disability benefits and benefits under accident and health contracts	5,693,272,135	5,574,799,522	7,449,878,031
14. Coupons, guaranteed annual pure endowments and similar benefits	122,899,469	104,484,412	140,941,018
15. Surrender benefits and withdrawals for life contracts	7,036,940	6,662,061	8,875,177
16. Group conversions	3,023,385,416	2,945,535,243	4,280,097,634
17. Interest and adjustments on contract or deposit-type contract funds	10,813,962,072	10,501,049,525	14,375,226,657
18. Payments on supplementary contracts with life contingencies			
19. Increase in aggregate reserves for life and accident and health contracts	1,526,101,700	1,170,324,539	1,563,470,761
20. Totals (Lines 10 to 19)	958,974,420	878,760,448	1,312,836,272
21. Commissions on premiums, annuity considerations, and deposit-type contract funds (direct business only)	567,127,280	291,564,091	250,634,488
22. Commissions and expense allowances on reinsurance assumed	(182,331,682)	(139,631,333)	(293,389,949)
23. General insurance expenses	749,458,962	431,195,424	544,024,437
24. Insurance taxes, licenses and fees, excluding federal income taxes	(10,740,047)	(39,633,529)	(53,426,676)
25. Increase in loading on deferred and uncollected premiums	(328,123,905)	(282,064,222)	(269,372,682)
26. Net transfers to or (from) Separate Accounts net of reinsurance	151,967,213	(93,729,537)	(120,274,343)
27. Aggregate write-ins for deductions	(167,871,611)	(144,500,751)	(199,438,437)
28. Totals (Lines 20 to 27)	581,587,351	286,694,673	344,586,000
CAPITAL AND SURPLUS ACCOUNT			
36. Capital and surplus, December 31, prior year	11,417,365,503	10,352,400,467	10,352,400,467
37. Net income (Line 35)	581,587,351	286,694,673	344,586,000
38. Change in net unrealized capital gains (losses) less capital gains tax of \$	(29,474,534)	720,986,269	856,918,913
39. Change in net unrealized foreign exchange capital gain (loss)	(10,740,047)	(39,633,529)	(53,426,676)
40. Change in net deferred income tax	(328,123,905)	(282,064,222)	(269,372,682)
41. Change in nonadmitted assets	151,967,213	(93,729,537)	(120,274,343)
42. Change in liability for reinsurance in unauthorized companies			
43. Change in reserve on account of change in valuation basis, (increase) or decrease	(186,443,140)	(74,611,415)	(254,850,366)
44. Change in asset valuation reserve			
45. Change in treasury stock	(186,443,140)	(74,611,415)	(254,850,366)
46. Surplus (contributed to) withdrawn from Separate Accounts during period	(2,608)	4,721,943	4,697,523
47. Other changes in surplus in Separate Accounts Statement	813,257	(5,841,398)	(5,293,902)
48. Change in surplus notes	398,970,207	270,625	360,833
49. Cumulative effect of changes in accounting principles			
50. Capital changes:			
50.1 Paid in			
50.2 Transferred from surplus (Stock Dividend)			
50.3 Transferred to surplus			
51. Surplus adjustment:			
51.1 Paid in			
51.2 Transferred to capital (Stock Dividend)			
51.3 Transferred from capital			
51.4 Change in surplus as a result of reinsurance			
52. Dividends to stockholders			
53. Aggregate write-ins for gains and losses in surplus	(31,986,087)	(369,590,831)	(552,650,039)
54. Net change in capital and surplus for the year (Lines 37 through 53)	1,297,028,510	847,263,664	1,064,965,037
55. Capital and surplus, as of statement date (Lines 36 + 54)	12,714,394,013	11,199,664,131	11,417,365,503
DETAILS OF WRITE-INS			
08.301. Administrative fee and other income	85,315,984	89,085,421	119,123,143
08.302.			
08.303.			
08.398. Summary of remaining write-ins for Line 8.3 from overflow page	85,315,984	89,085,421	119,123,143
08.399. Totals (Lines 08.301 through 08.303 plus 08.398) (Line 8.3 above)	85,315,984	89,085,421	119,123,143
2701. Change in liability for employee/agent benefit plans	20,333,259	(4,018,175)	11,604,931
2702. Miscellaneous charges to operations	12,532,029	11,146,194	14,904,130
2703. Transfer of group pension contract losses to IMR	(26,199,155)	(14,331,071)	(19,915,202)
2798. Summary of remaining write-ins for Line 27 from overflow page	6,666,133	(7,203,053)	6,593,859
2799. Totals (Lines 2701 through 2703 plus 2798)(Line 27 above)	(31,986,087)	(369,590,831)	(552,650,040)
5301. Other changes in surplus	(31,986,087)	(11,767,102)	1,011,399
5302. Change in additional deferred tax as allowed by SSAP 10R		(357,823,729)	(280,493,179)
5303. Accumulated other comprehensive income - pension			(273,168,260)
5398. Summary of remaining write-ins for Line 53 from overflow page	(31,986,087)	(369,590,831)	(552,650,040)

STATEMENT AS OF SEPTEMBER 30, 2012 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	14,226,659,981	9,762,795,830	13,443,346,851
2. Net investment income	3,618,886,645	3,551,581,724	4,502,568,512
3. Miscellaneous income	452,855,443	456,772,170	602,302,510
4. Total (Lines 1 to 3)	18,298,402,069	13,771,149,724	18,548,217,873
5. Benefit and loss related payments	7,728,209,278	7,475,450,376	9,962,926,333
6. Net transfers to Separate Accounts, Segregated Accounts and Protected Cell Accounts	4,357,699,547	771,555,557	996,593,473
7. Commissions, expenses paid and aggregate write-ins for deductions	1,550,367,351	1,691,676,637	2,164,487,842
8. Dividends paid to policyholders	924,541,090	850,049,788	1,207,703,736
9. Federal and foreign income taxes paid (recovered) net of \$ tax on capital gains (losses)	21,243,480	78,981,810	(62,822,664)
10. Total (Lines 5 through 9)	14,639,799,076	10,725,909,694	14,244,172,312
11. Net cash from operations (Line 4 minus Line 10)	3,658,602,993	3,045,240,030	4,304,045,561
Cash from Investments			
12. Proceeds from investments sold, matured or repaid:			
12.1 Bonds	12,638,496,576	16,360,946,352	18,638,307,294
12.2 Stocks	563,081,942	222,916,541	305,014,219
12.3 Mortgage loans	1,738,320,385	1,585,170,328	1,989,776,674
12.4 Real estate	57,805,725	114,226,005	115,302,368
12.5 Other invested assets	728,373,559	767,543,860	1,030,775,977
12.6 Net gains or (losses) on cash, cash equivalents and short-term investments	(2,088,682)	1,545,837	2,728,068
12.7 Miscellaneous proceeds	(16,653,040)	670,878,261	767,359,888
12.8 Total investment proceeds (Lines 12.1 to 12.7)	15,707,336,465	19,723,227,184	22,849,264,488
13. Cost of investments acquired (long-term only):			
13.1 Bonds	13,801,788,044	17,049,430,841	21,215,972,202
13.2 Stocks	600,173,595	544,137,551	1,177,005,422
13.3 Mortgage loans	3,187,198,093	2,628,980,996	3,158,980,176
13.4 Real estate	4,834,221	171,117,842	245,426,944
13.5 Other invested assets	1,082,868,815	926,036,757	1,326,993,975
13.6 Miscellaneous applications	(12,101,282)	(310,244,672)	(30,976,941)
13.7 Total investments acquired (Lines 13.1 to 13.6)	18,664,761,486	21,009,459,315	27,093,401,778
14. Net increase (or decrease) in contract loans and premium notes	438,514,878	430,476,487	519,011,324
15. Net cash from investments (Line 12.8 minus Line 13.7 and Line 14)	(3,395,939,899)	(1,716,708,618)	(4,763,148,614)
Cash from Financing and Miscellaneous Sources			
16. Cash provided (applied):			
16.1 Surplus notes, capital notes	398,970,207	270,625	360,833
16.2 Capital and paid in surplus, less treasury stock			
16.3 Borrowed funds	(7,833)	33,597	26,382
16.4 Net deposits on deposit-type contracts and other insurance liabilities	117,745,475	386,351,505	905,492,356
16.5 Dividends to stockholders			
16.6 Other cash provided (applied)	257,143,958	310,695,565	44,844,504
17. Net cash from financing and miscellaneous sources (Line 16.1 through Line 16.4 minus Line 16.5 plus Line 16.6)	773,851,807	697,351,292	950,724,075
RECONCILIATION OF CASH, CASH EQUIVALENTS AND SHORT-TERM INVESTMENTS			
18. Net change in cash, cash equivalents and short-term investments (Line 11, plus Lines 15 and 17)	1,036,514,901	2,025,882,704	491,621,022
19. Cash, cash equivalents and short-term investments:			
19.1 Beginning of year	1,630,581,652	1,138,960,630	1,138,960,630
19.2 End of period (Line 18 plus Line 19.1)	2,667,096,553	3,164,843,334	1,630,581,652

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

20.0001. Bank loan rollovers	5,610,993,294	1,076,651,616	1,716,003,793
20.0002. Bond conversions and refinancing	1,211,955,163	680,452,100	733,796,202
20.0003. Mortgage converted to other invested assets	54,904,495	179,774,235	179,774,235
20.0004. Other invested assets stock distribution	24,895,702	3,330,758	3,647,371
20.0005. Interest capitalization for long-term debt	4,476,472	2,881,782	3,764,444
20.0006. Net investment income payment in-kind bonds	3,419,318	1,564,841	1,772,912
20.0007. Stock conversion	1,303,584	105,782,202	105,788,793
20.0008. Dividend reinvestment	66,510	3,656,358	3,669,002

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	3,243,345,316	3,014,945,260	4,338,905,428
3. Ordinary individual annuities	1,394,951,138	1,314,833,989	1,757,008,142
4. Credit life (group and individual)			
5. Group life insurance	542,851,668	240,594,479	368,292,786
6. Group annuities	8,917,353,844	5,100,642,078	6,995,194,197
7. A & H - group	148,763	204,648	288,196
8. A & H - credit (group and individual)			
9. A & H - other	492,974,030	468,610,185	629,019,258
10. Aggregate of all other lines of business			
11. Subtotal	14,591,624,759	10,139,830,639	14,088,708,007
12. Deposit-type contracts	498,702,828	705,372,899	1,259,717,382
13. Total	15,090,327,587	10,845,203,538	15,348,425,389
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 – Contingencies**
- 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 Deposit-Type 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**
- Note 36 – Impairment Listing for Loan-Backed and Structured Securities**

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

Note 1 – Summary of Significant Accounting Policies

- a. Massachusetts Mutual Life Insurance Company (the Company) recognizes statutory accounting practices prescribed or permitted by the Commonwealth of Massachusetts Division of Insurance (the Division) for determining and reporting the financial condition and results of operations of an insurance company. The National Association of Insurance Commissioners Accounting Practices and Procedures Manual (NAIC SAP) has been adopted as a component of prescribed or permitted practices by the Division. The Company has adopted certain procedures that differ from NAIC SAP; however, such deviations are not believed to have a material impact on income, statutory surplus or Risk Based Capital (RBC).
- b. Use of estimates in the preparation of the financial statements - No significant changes
- c. Accounting policy - No significant changes

Note 2 – Accounting Changes and Corrections of Errors

- a. Correction of errors:
Under statutory accounting principles, corrections of prior year errors are recorded in current year surplus on a pretax basis with any associated tax impact reported through earnings.

The following summarizes corrections of prior year errors:

Nine Months Ended September 30, 2012					
	Increase (Decrease) to:	Correction			
	Prior Year Income	Current Year Surplus	of Asset or Liability Balances		
(In Millions)					
Policyholders' reserves	\$ (19)	\$ (19)	\$	19	
General insurance expenses	(11)	(11)			11
Reinsurance	(3)	(3)			3
Other	(3)	(3)			3
Partnership income	4	4			(4)
Total	<u>\$ (32)</u>	<u>\$ (32)</u>	<u>\$</u>	<u>32</u>	

Nine Months Ended September 30, 2011					
	Increase (Decrease) to:	Correction			
	Prior Year Income	Current Year Surplus	of Asset or Liability Balances		
(In Millions)					
Policyholders' reserves	\$ (11)	\$ (11)	\$	11	
Partnership income	(7)	(7)			7
Other	6	6			(6)
Total	<u>\$ (12)</u>	<u>\$ (12)</u>	<u>\$</u>	<u>12</u>	

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

- b. Adoption of new accounting standards:

In March 2011, the National Association of Insurance Commissioners (NAIC) issued revisions to Statement of Statutory Accounting Principles (SSAP) No. 100, "Fair Value Measurements," which requires additional fair value disclosures. These additional disclosures include a disclosure of the fair value hierarchy of items that are disclosed with a fair value measurement but are not valued at fair value in the balance sheet. Also, for financial instruments carried at fair value, companies are required to disclose purchases, sales, issuances and settlements on a gross basis for fair value measurements categorized in Level 3 of the fair value hierarchy. These new requirements were effective January 1, 2012.

In November 2011, the NAIC issued SSAP No. 101, "Income Taxes, A Replacement of SSAP No. 10R and SSAP No. 10." This statement establishes statutory accounting principles for current and deferred federal and foreign income taxes and current state income taxes. This statement supersedes SSAP No. 10, "Income Taxes" and SSAP No. 10R, "Income Taxes, A Temporary Replacement of SSAP No. 10," which expired on December 31, 2011. SSAP No. 101, which was effective on January 1, 2012, has: 1) restricted the ability to use the 3 years/15 percent of surplus admission rule to those reporting entities that meet the modified RBC ratio (Ex-Deferred Tax Asset (DTA) RBC ratio) threshold, 2) changed the recognition threshold for recording tax contingency reserves from a probable liability standard to a more-likely-than-not liability standard, 3) required the disclosure of tax planning strategies that relate to reinsurance and, 4) required consideration of reversal patterns of DTAs and Deferred Tax Liabilities (DTL) in determining the extent to which DTLs could offset DTAs on the balance sheet. There was no cumulative effect of adopting this standard.

Note 3 – Business Combinations and Goodwill

- a. The Company did not have any business combinations accounted for using the statutory purchase method to be disclosed.
- b. There were no business combinations taking the form of a statutory merger to be disclosed.
- c. The Company did not enter into any assumption reinsurance agreements.
- d. The Company did not recognize an impairment loss on transactions described above.

Note 4 – Discontinued Operations

The Company did not have any discontinued operations.

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
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) through the nine months ended September 30, 2012 and 2011 classified on the following bases for recognizing OTTI:

	Nine Months Ended September 30,	
	2012	2011
	(In Millions)	
Intent to sell	\$ -	\$ -
Inability or lack of intent to retain for a period of time sufficient to recover amortized cost basis	-	-
Present value of cash flows expected to be collected is less than amortized cost basis	(87)	(104)
Total	<u>\$ (87)</u>	<u>\$ (104)</u>

- (3) Refer to Note 36 "Impairment Listing for Loan-Backed and Structured Securities" for CUSIP level detail of impaired structured securities (present value of cash flows is less than cost or amortized cost), including securities with a recognized OTTI for noninterest related declines for which an interest related impairment has not yet been recognized.
- (4) As of September 30, 2012, investments in structured and loan-backed securities that had unrealized losses, which were not recognized in earnings, had a fair value of \$2,603 million. Securities in an unrealized loss position for less than 12 months had a fair value of \$160 million and unrealized losses of \$8 million. Securities in an unrealized loss position greater than 12 months had a fair value of \$2,443 million and unrealized losses of \$236 million. These securities were primarily categorized as industrial and miscellaneous and parent, subsidiaries and affiliates.
- (5) No significant changes

- e. Repurchase agreements - No significant changes
- f. Real estate - No significant changes
- g. LIHTC properties - 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

As discussed in Note 2b "Adoption of new accounting standards," the Company implemented a new standard in 2012 pertaining to accounting requirements for income taxes, SSAP No. 101. Based on the RBC Reporting Entity Table, the Company continues to admit DTAs using the 3 years/15 percent of surplus admission rule. The Company has concluded that there is no cumulative effect of adopting this standard.

As of the nine months ended September 30, 2012, the Company's net admitted DTA decreased by approximately \$293 million from December 31, 2011. This was due mainly to a decrease in gross DTAs related to policyholders' dividends, reserves and tax credit carry forward items.

The Company is currently in litigation with the federal government regarding the timing of the deduction for certain policyholder dividends for tax years 1995 to 1997. In January 2012, the Company prevailed in the U.S. Court of Federal Claims, subject to the government's right to appeal. The favorable effect of this decision on tax years 1995-1997 was reflected in the Company's financial statements as of December 31, 2011. In the first quarter of 2012, the Company completed its analysis of the effect of this decision on post 1997 tax years, and recorded an additional federal income tax benefit of \$77 million in the Summary of Operations, with a net increase of \$15 million to surplus.

In July 2012, the Internal Revenue Service issued an industry directive that addresses the proper timing of partial worthlessness tax deductions claimed by insurance companies for certain loans, including regular interests in mortgage backed securities. The Company is in the process of evaluating the options available under the guidance and their impacts on the financial statements.

Note 10 – Information Concerning Parent, Subsidiaries and Affiliates

- a – f. No significant changes
- g. On April 16, 2010, a lawsuit was filed in New York state court against OppenheimerFunds Inc. (OFI), its subsidiary HarbourView Asset Management Corporation (HVAMC) and AAArdvark IV Funding Limited (AAArdvark IV) in connection with the investment made by TSL (USA) Inc., an affiliate of National Australia Bank Limited, in AAArdvark IV. The complaint alleges breach of contract, breach of the covenant of good faith and fair dealing, gross negligence, unjust enrichment and conversion. The complaint seeks compensatory and punitive damages, along with attorney fees. The court has dismissed certain equitable claims against OFI and HVAMC, leaving only the claims for breach of contract. Plaintiffs filed an amended complaint with additional contractual claims. In October 2011, defendants moved to dismiss the complaint to the extent it seeks damages in the form of a return of the plaintiffs' full principal investment. In December 2011, plaintiffs filed a motion for partial summary judgment. In January 2012, the court granted in part defendant's motion to dismiss and denied plaintiff's motion for partial summary judgment. In April 2012, plaintiffs filed a motion for leave to file a third amended complaint, which would add a fraud claim and additional allegations in support of plaintiffs' contract claims. In August 2012, plaintiffs and defendants separately filed motions for partial summary judgment which were argued in October 2012. OFI believes it has substantial defenses to the remaining claims and will continue to vigorously defend itself in these actions. 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 these claims.

On July 15, 2011, a lawsuit was filed in New York State Supreme Court against OFI, HVAMC and AAArdvark I Funding Limited (AAArdvark I), in connection with investments made by TSL (USA) Inc. and other investors in AAArdvark I. The complaint alleges breach of contract against each of the defendants and seeks compensatory damages and costs and disbursements, including attorney fees. In October 2011, defendants moved to dismiss the complaint to the extent it seeks damages in the form of a return of the plaintiffs' full principal investment. In January 2012, the court granted in part defendant's motion to dismiss. OFI believes it has substantial defenses to the remaining claims and will continue to vigorously defend itself in these actions. 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 these claims.

NOTES TO FINANCIAL STATEMENTS

On November 9, 2011, a lawsuit was filed in New York State Supreme Court against OFI, HVAMC and AAArdvark XS Funding Limited (AAArdvark XS) in connection with the investment made by Scaldis Capital Limited, predecessor in interest to plaintiff Royal Park Investments SA/NV, in AAArdvark XS. The complaint alleges breach of contract against the defendants and seeks compensatory damages and an award of attorney fees and litigation expenses. OFI believes it has substantial defenses and will vigorously defend itself in these actions. 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 these claims.

Beyond these matters, MassMutual Holding LLC's (MMHLLC) subsidiaries are involved in litigation and investigations arising in the ordinary course of the subsidiaries' businesses. 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, because of the uncertainties involved with some of these matters, future revisions to the estimates of the potential liability could materially affect the Company's financial position.

h – m. No significant changes

Note 11 – Debt

On September 27, 2012, MassMutual signed a \$1 billion, five year credit facility, with a syndicate of lenders that can be used for general corporate purposes and to support commercial paper borrowings. The new credit facility replaces an existing \$1 billion credit facility, which was due to expire April 2013. The new facility has an upsize option for an additional \$500 million. The terms of the credit facility provide for, among other provisions, covenants pertaining to liens, fundamental changes, transactions with affiliates and adjusted statutory surplus. As of and for the nine months ended September 30, 2012 and the year ended December 31, 2011, the Company was in compliance with all covenants under the credit facilities. For the nine months ended September 30, 2012 and 2011, there were no draws on the credit facilities. Credit facility fees were less than \$1 million for the nine months ended September 30, 2012 and 2011.

Note 12 – Retirement Plans, Deferred Compensation, Postemployment Benefits and Compensated Absences and Other Postretirement Benefit Plans

For the nine months ended September 30, 2012, \$106 million was contributed to the Company's qualified pension plan.

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

(1-10) No significant changes

(11) Surplus notes:

The following summarizes the surplus notes issued and outstanding as of September 30, 2012:

Issue Year	Face Amount	Carrying Value	Interest Rate	Maturity Date
(\$ In Millions)				
1993	\$ 250	\$ 250	7.625%	2023
1994	100	100	7.500%	2024
2003	250	249	5.625%	2033
2009	750	741	8.875%	2039
2012	400	399	5.375%	2041
Total	\$ 1,750	\$ 1,739		

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 or 2012. Scheduled interest on the notes issued in 2003 and 1993 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. Interest expense is not recorded until approval for payment is received from the Division. Through September 30, 2012, the unapproved interest was \$42 million. As of September 30, 2012, the Company has paid cumulative interest of \$826 million on surplus notes. Interest of \$65 million was approved and paid during the nine month period ended September 30, 2012.

(12-13) No significant changes

Note 14 – Contingencies

- a. Contingent commitments - No significant changes
- 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 and out of the normal course of business, which seeks both compensatory and punitive damages. 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 operating results for a particular period depending upon, among other factors, the size of the loss or liability and the level of the Company's income for the period.

NOTES TO FINANCIAL STATEMENTS

Since December 2008, the Company and MMHLLC have been named as defendants in a number of putative class action and individual lawsuits filed 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 (BLMIS). The plaintiffs allege a variety of state law and federal securities claims against the Company and/or MMHLLC, and certain of its subsidiaries, seeking to recover losses arising from their investments in several funds managed by Tremont Group Holdings, Inc. (Tremont) or Tremont Partners, Inc., including Rye Select Broad Market Prime Fund, L.P., Rye Select Broad Market Fund, L.P., American Masters Broad Market Prime Fund, L.P., American Masters Market Neutral Fund, L.P. and/or Tremont Market Neutral Fund, L.P. Tremont and its subsidiary, Tremont Partners, Inc., are indirect subsidiaries of MMHLLC. Certain of the lawsuits have been consolidated into three groups of suits pending in the U.S. District Court for the Southern District of New York. In February 2011, the parties in the consolidated federal litigation submitted to the court a proposed settlement agreement. In August 2011, the court entered an order and final judgment approving the settlement. Appeals have been filed and remain pending. The settlement, if affirmed on appeal, will not have a significant financial impact on the Company.

Additionally, a number of other lawsuits were filed in state courts in California, Colorado, Florida, Massachusetts, New Mexico, New York and Washington by investors in Tremont funds against Tremont, and in certain cases against the Company, MMHLLC and other defendants, raising claims similar to those in the consolidated federal litigation. Those cases are in various stages of litigation. The Company believes it has substantial defenses and will continue to vigorously defend itself in these actions. 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 these claims.

In 2009, the Trustee appointed under the Securities Investor Protection Act to liquidate BLMIS notified Tremont that the bankruptcy estate of BLMIS has purported preference and fraudulent transfer claims against Tremont's Rye Select Broad Market funds and certain other Tremont-managed funds to recover redemption payments received from BLMIS by certain of those Rye Select funds. In December 2010, the Trustee filed suit in the U.S. Bankruptcy Court for the Southern District of New York against Tremont, Oppenheimer Acquisition Corp., the Company and others. Certain of these Tremont funds, in turn, have notified the Trustee of substantial claims by them against BLMIS. In September 2011, the court approved the proposed settlement with the Trustee that had been filed with the court in July. Certain parties have filed notices of appeal. In June 2012, the U.S. District Court for the Southern District of New York granted defendants' motion to dismiss the appeals. The district court's order remains subject to further appeal. The settlement, if affirmed on appeal, will not have a significant financial impact on the Company.

On October 19, 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. The Company believes that it has numerous substantial defenses to the claims and will vigorously defend itself. 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 action.

Christina Chavez (Chavez) filed a putative class action complaint against the Company in April 2010. Chavez alleges that the Company breached its obligations to its term life policyholders in California by failing to pay dividends on those policies. Formal written discovery requests have been exchanged by all parties. The Company believes it has substantial defenses and will continue to vigorously defend itself in these actions. 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 2009, numerous lawsuits (the Rochester Suits) were filed as putative class actions in connection with the investment performance of certain municipal bond funds advised by OFI and distributed by its subsidiary, OppenheimerFunds Distributor, Inc. The Rochester Suits raise claims under federal securities laws alleging that, among other things, the disclosure documents of the funds contained misrepresentations and omissions, that the investment policies of the funds were not followed and that the funds and other defendants violated federal securities laws and regulations and certain state laws. The Rochester Suits have been consolidated into seven groups, one for each of the funds, in the U.S. district court in Colorado. Amended complaints and motions to dismiss were filed. In October 2011, the court issued an order granting and denying in part defendants' motions to dismiss in five of the seven suits. In January 2012, the court granted a stipulated scheduling and discovery order in these actions. In September 2012, defendants opposed plaintiffs' July 2012 motion for class certification and filed motions for partial summary judgment in several of the Rochester Suits. OFI believes it has substantial defenses and will continue to vigorously defend itself in these actions. 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 May 2009, the Company was named as a defendant in a private action 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 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 July 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 matter is in the initial pleading stages. The Company believes that it has substantial defenses and will vigorously defend itself. 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 July 2012, members of the Keros family filed a putative class action complaint against the Company and its directors in federal court alleging breach of fiduciary duty related to an alleged violation of Massachusetts law concerning domestic mutual insurance company voting practices. The Company and directors' motions to dismiss are pending. The Company believes that it has substantial defenses and will vigorously defend itself. 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 income for the period.

NOTES TO FINANCIAL STATEMENTS

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

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 - 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 to enhance the Company's yield on its investment portfolio.

(2) The Company did not sell any securities with the NAIC Designation 3 or below for the nine months ended September 30, 2012 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

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

	September 30, 2012							
	Carrying Value	Fair Value	Level 1			Level 2	Level 3	
			(In Millions)					
Financial assets:								
Bonds								
U. S. government and agencies	\$ 8,095	\$ 9,956	\$ -	\$ 9,943	\$ 13			
All other governments	126	165	-	135	30			
States, territories and possessions	1,382	1,570	-	1,565	5			
Special revenue	2,264	2,641	-	2,640	1			
Industrial and miscellaneous	38,211	41,975	-	27,170	14,805			
Parent, subsidiaries and affiliates	4,921	5,088	-	1,479	3,609			
Preferred stocks	336	355	-	74	281			
Common stock - unaffiliated	732	732	512	60	160			
Common stock - affiliated ⁽¹⁾	650	650	-	474	176			
Mortgage loans - commercial	11,780	11,826	-	-	11,826			
Mortgage loans - residential	2,102	2,120	-	-	2,120			
Cash, cash equivalents and short-term investments	2,667	2,667	387	2,280	-			
Separate account assets	50,230	50,230	35,029	14,647	554			
Derivatives								
Interest rate swaps	2,610	2,610	-	2,610	-			
Options	322	322	-	322	-			
Currency swaps	130	130	-	130	-			
Forward contracts	(30)	(30)	-	(30)	-			
Credit default swaps	16	16	-	16	-			
Financial liabilities:								
Commercial paper	250	250	-	250	-			
Securities sold under agreements to repurchase	4,029	4,029	-	4,029	-			
Funding agreements	3,549	3,696	-	-	3,696			
Investment-type insurance contracts								
Group annuity investment contracts	7,313	8,373	-	-	8,373			
Individual annuity investment contracts	5,105	6,119	-	-	6,119			
Supplementary investment contracts	1,016	1,017	-	-	1,017			
Derivatives								
Interest rate swaps	137	137	-	137	-			
Options	(5)	(5)	-	(5)	-			
Currency swaps	47	47	-	47	-			

⁽¹⁾ Common stock - affiliated does not include MMHLLC which had a statutory carrying value of \$4,101 million as of September 30, 2012 and C.M. Life Insurance Company which had a statutory carrying value of \$974 million as of September 30, 2012.

For the nine months ended September 30, 2012, there were no significant changes to the Company's valuation techniques.

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

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

	September 30, 2012						
	Level 1	Level 2	Level 3	Netting ⁽¹⁾	Total		
	(In Millions)						
Financial assets:							
Bonds							
Industrial and miscellaneous	\$ -	\$ 13	\$ 7	\$ -	\$ 20		
Parent, subsidiaries and affiliates	-	7	-	-	7		
Common stock - unaffiliated	512	60	160	-	732		
Common stock - affiliated ⁽²⁾	-	474	176	-	650		
Cash equivalents and							
short-term investments ⁽³⁾	-	2,280	-	-	2,280		
Separate account assets	35,029	14,647	554	-	50,230		
Derivatives							
Interest rate sw aps	-	9,119	-	(6,509)	2,610		
Options	-	362	-	(40)	322		
Currency sw aps	-	167	-	(37)	130		
Forward contracts	-	11	-	(41)	(30)		
Credit default sw aps	-	24	-	(8)	16		
Total financial assets carried at fair value	\$ 35,541	\$ 27,164	\$ 897	\$ (6,635)	\$ 56,967		
Financial liabilities:							
Securities sold under agreements to repurchase	\$ -	\$ 4,029	\$ -	\$ -	\$ 4,029		
Derivatives							
Interest rate sw aps	-	6,646	-	(6,509)	137		
Options	-	35	-	(40)	(5)		
Currency sw aps	-	84	-	(37)	47		
Forward contracts	-	41	-	(41)	-		
Credit default sw aps	-	8	-	(8)	-		
Total financial liabilities carried at fair value	\$ -	\$ 10,843	\$ -	\$ (6,635)	\$ 4,208		

⁽¹⁾ Netting adjustments represent offsetting positions that may exist under a master netting agreement with a counterparty where amounts due from the counterparty are offset against amounts due to the counterparty.

⁽²⁾ Common stock – affiliated does not include MMHLLC which had a statutory carrying value of \$4,101 million as of September 30, 2012 and C.M. Life Insurance Company which had a statutory carrying value of \$974 million as of September 30, 2012.

⁽³⁾ Does not include cash of \$387 million.

For the nine months ended September 30, 2012 there were no transfers between Level 1 and Level 2. Any necessary transfers would have occurred at the beginning of the period.

The following presents changes in the Company's Level 3 assets that are carried at fair value:

	Gains		Gains		Transfers ⁽¹⁾	Transfers ⁽²⁾	Balance as of 9/30/2012		
	Balance as of 12/31/2011	(Losses) in Net Income	(Losses) in Surplus	Purchases					
	12/31/2011	Net Income	Surplus	Purchases					
	(In Millions)								
Financial assets:									
Bonds									
Industrial and miscellaneous	\$ 16	\$ (13)	\$ 5	\$ -	\$ 7	\$ (1)	\$ (23)		
Common stock - unaffiliated	166	7	(4)	-	-	(7)	(2)		
Common stock - affiliated	305	26	5	144	-	(304)	-		
Separate account assets	396	21	-	63	-	(17)	-		
Total Level 3 financial assets carried at fair value	\$ 883	\$ 41	\$ 6	\$ 207	\$ 7	\$ (329)	\$ (25)		

- ⁽¹⁾ Real estate fair value is carried net of encumbrances on the Page 2 Assets and the change in encumbrances are included in the settlements within separate account assets.
- ⁽²⁾ These columns identify assets that are consistently carried at fair value but have had a level change. Generally transfers out of Level 3 occur when quoted prices are received in markets that have not been active, and therefore the assets are moved to Level 2. The separate account assets transferred into Level 3 were transferred from Level 2 due to a change in the pricing source.

Note 21 – Other Items

- a. Extraordinary items - No significant changes
- b. Troubled debt restructuring - No significant changes

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

- c. Other disclosures:
 Common stocks of unconsolidated subsidiaries, primarily MMHLLC, are accounted for using the statutory equity method. The Company accounts for the value of its investment in its subsidiary, MMHLLC, at its underlying U.S. GAAP net equity adjusted to remove certain nonadmitted and intangible assets, as well as a portion of its noncontrolling interests (NCI) and appropriated retained earnings (ARE), 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 \$2,117 million and \$2,015 million, respectively, as of September 30, 2012 and December 31, 2011. The current fair value of MMHLLC remains significantly greater than its statutory carrying amount.
- d. Reasonably possible uncollectible balances - No significant changes
- e. Business interruption insurance recoveries - No significant changes
- f. State transferrable tax credits - No significant changes
- g. Subprime mortgage-related risk exposure:
 - (1 - 2) No significant changes
 - (3) Direct exposure through other investments:

Residential mortgage-backed securities risk exposure:

As of September 30, 2012 and December 31, 2011, the Company did not have any direct subprime exposure through the purchases of unsecuritized whole-loan pools.

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:

	Nine Months Ended September 30,				
	September 30, 2012			2012	
	Actual Cost	Carrying Value	Fair Value	OTTI	
(In Millions)					
Alt-A:					
a. Residential mortgage-backed securities	\$ 1,935	\$ 1,325	\$ 1,313	\$ (74)	
b. Commercial mortgage-backed securities	-	-	-	-	
c. Collateralized debt obligations	-	-	-	-	
d. Structured securities	-	-	-	-	
e. Equity investment in SCAs *	154	106	104	(6)	
f. Other assets	-	-	-	-	
g. Total	\$ 2,089	\$ 1,431	\$ 1,417	\$ (80)	

	Nine Months Ended September 30,				
	September 30, 2012			2012	
	Actual Cost	Carrying Value	Fair Value	OTTI	
(In Millions)					
Subprime:					
a. Residential mortgage-backed securities	\$ 771	\$ 564	\$ 553	\$ (9)	
b. Commercial mortgage-backed securities	-	-	-	-	
c. Collateralized debt obligations	3	-	-	-	
d. Structured securities	-	-	-	-	
e. Equity investment in SCAs *	43	32	30	-	
f. Other assets	-	-	-	-	
g. Total	\$ 817	\$ 596	\$ 583	\$ (9)	

* The Company's subsidiaries and controlled affiliates (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.

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

Alt-A:	December 31, 2011				Year Ended December 31, 2011	
	Actual Cost	Carrying Value	Fair Value	OTTI		
	(In Millions)					
a. Residential mortgage-backed securities	\$ 2,176	\$ 1,550	\$ 1,190	\$ (119)		
b. Commercial mortgage-backed securities	-	-	-	-		
c. Collateralized debt obligations	-	-	-	-		
d. Structured securities	-	-	-	-		
e. Equity investment in SCAs *	171	123	94	(9)		
f. Other assets	-	-	-	-		
g. Total	\$ 2,347	\$ 1,673	\$ 1,284	\$ (128)		

Subprime:	December 31, 2011				Year Ended December 31, 2011	
	Actual Cost	Carrying Value	Fair Value	OTTI		
	(In Millions)					
a. Residential mortgage-backed securities	\$ 934	\$ 707	\$ 618	\$ (11)		
b. Commercial mortgage-backed securities	-	-	-	-		
c. Collateralized debt obligations	3	-	-	-		
d. Structured securities	-	-	-	-		
e. Equity investment in SCAs *	54	40	36	(1)		
f. Other assets	-	-	-	-		
g. Total	\$ 991	\$ 747	\$ 654	\$ (12)		

* 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.

h. Retained asset accounts - No significant changes

i. Risks related to credit markets:

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 attempts to manage 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.

Since late 2006, declining U.S. housing prices led to higher delinquency and loss rates, reduced credit availability, and reduced liquidity in the residential loan and securities markets. The decline in housing prices was precipitated by several years of rising residential mortgage rates, relaxed underwriting standards by residential mortgage loan originators and substantial growth in affordable mortgage products including pay option adjustable rate mortgages and interest only loans.

The downturn in housing prices caused a decline in the credit performance of RMBS with unprecedented borrower defaults. Market pricing was affected both by the deterioration in fundamentals as well as by the reduced liquidity and higher risk premium demanded by investors. As measured by Case-Shiller's home price index, house prices were flat to negative from mid-2011 to mid-2012; the index has turned positive more recently. Liquidation rates and foreclosure resolutions remain low but are above their post-crisis bottoms. Liquidity for securities was weak for most of 2011 but 2012 has seen increased liquidity and trading activity as market participants focus on relative value, improving fundamentals and the scarcity of RMBS due to a lack of new issuance. This has led to the highest post-crisis prices for all RMBS asset classes.

Management's judgment regarding OTTI and estimated fair value depends upon evolving conditions that can alter the anticipated cash flows realized by investors. It can also be affected by the market liquidity, a lack of which can make it difficult to obtain accurate market prices for RMBS and other investments, including CMBS and leveraged loans. Further deterioration in economic fundamentals could affect management judgments regarding OTTI. In addition, deterioration in market conditions may affect carrying values assigned by management. These factors could negatively impact the Company's results of operations, surplus and disclosed fair values.

The third quarter of 2012 saw a gradual improvement in sentiment, as European policy makers as well as central banks around the world announced further supportive measures and targeted responses to country specific issues. The average secondary price of leveraged loans in Europe was slightly up from the previous quarter. Underlying concerns over the macroeconomic outlook and debt burden of certain parts of the Eurozone remain significant, but the Company's direct exposure on loans to companies in these countries is limited. While progress has been made, the extent of refinancing required in the European loan market over the next three years remains relatively significant and uncertainty over the sources of this refinancing may lead to an increase in default rates going forward.

As of September 30, 2012, the securities with exposure to entities domiciled within Greece, Italy, Ireland, Portugal and Spain collectively accounted for less than 1% of invested assets held in the Company's general account. These holdings are highly diversified and over 82% are comprised of investment grade-rated (NAIC) debt securities issued predominantly by domestic utilities and corporations with large global operations. Within these countries, the Company did not have any sovereign debt exposure and it did not hold any domestic bank-issued securities.

Current market conditions continue to be a factor in the Company's mortgage loan portfolio. Market volatility and slower growth were all anticipated coming into this year and despite the uneven nature of the recovery, current indicators and trends, which started the year

NOTES TO FINANCIAL STATEMENTS

positive, have weakened moving into the third quarter. Real estate fundamentals are improving at a modest pace aided by limited new supply. The pace of recovery in the office, industrial and retail sectors will slow in reaction to slower job growth while apartment and hotel market fundamentals appear sound. Investors' interest remains focused on stabilized core assets in 'gateway' markets. Risks to the portfolio continue to be the macro domestic and global economic environment and their impact on the recent positive trends for real estate fundamentals. The Company continues to monitor employment and housing statistics and their possible influence on a U.S. recession as well as global economic indicators and sovereign debt concerns.

Note 22 – Events Subsequent

The Company has evaluated subsequent events through November 7, 2012, the date the financial statements were available to be issued.

On October 17, 2012, the Company issued a \$500 million funding agreement which backs medium term notes with a 10-year maturity and a 2.5% fixed rate coupon.

No additional 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:
(1) No significant changes

- (2) A new agreement was executed, effective June 2012, to include policies or contracts that were in force and had existing reserves established by the Company as of the effective date of the agreement. The reserve ceded for this agreement was \$5 million.

On September 4, 2012, the Company announced it had entered into a definitive agreement with The Hartford Financial Services Group Inc. (The Hartford) to purchase its Retirement Plans Group. The transaction has primarily been structured as a reinsurance agreement. The announced purchase price of approximately \$400 million, which is subject to adjustment at closing, will be paid as a ceding commission. The transaction, which is subject to regulatory and other approvals, is expected to close in the fourth quarter of 2012 or the first quarter of 2013.

Under the reinsurance agreement, which is structured on an indemnity reinsurance basis, the Company will assume 100% of the liabilities and obligations, for the insurance contracts relating to The Hartford's Retirement Plans Group prior to the closing date. In addition, the Company will also reinsurance contracts written on The Hartford's policy form by the Company's Retirement Services during a post-closing transition period which is expected to be 12 months. The obligations include two parts to the reinsurance agreement. First, a coinsurance agreement related to the general investment account contracts under which the contract liabilities and the assets to support those liabilities will be transferred to, and held by the Company. The assets and associated reserves and liabilities will be reported in the financial statements of the Company. Second, a modified coinsurance agreement related to the separate investment account contracts. The individual investments and reserves will not be transferred to or held by the Company and therefore the assets and liabilities will not be reported in the financial statements of the Company. However, the Company will recognize a receivable or payable representing its rights and obligations under the modified coinsurance agreement.

- b. The Company did not write off any reinsurance balances.
- c. The Company did not commute any ceded reinsurance.

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

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 Deposit-Type Contracts

In April 2012, the Company issued a \$500 million funding agreement which backs medium term notes with a 5-year maturity and a 2% fixed coupon rate. Additionally, a \$300 million funding agreement which backed medium-term notes matured in July 2012.

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

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

Note 36 – Impairment Listing for Loan-Backed and Structured Securities

The following are the total cumulative adjustments and impairments for loan-backed and structured securities since July 1, 2009:

Period Ended	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
September 30, 2012	\$ 816,573,456.06		\$ 816,573,456.06	\$ 788,350,822.82	\$ (28,222,633.24)	\$ 788,350,822.82	\$ 697,683,288.85
June 30, 2012	912,025,936.52	-	912,025,936.52	890,494,220.76	(21,531,715.76)	890,494,220.76	708,872,106.49
March 31, 2012	1,095,018,529.18	-	1,095,018,529.18	1,058,132,041.09	(36,886,488.09)	1,058,132,041.09	841,095,012.78
December 31, 2011	1,090,082,493.62	-	1,090,082,493.62	1,055,870,746.62	(34,211,747.00)	1,055,870,746.62	753,328,460.77
September 30, 2011	762,320,631.78	-	762,320,631.78	738,510,047.63	(23,810,584.15)	738,510,047.63	546,494,231.96
June 30, 2011	1,130,732,656.14	-	1,130,732,656.14	1,078,535,670.23	(52,196,985.91)	1,078,535,670.23	839,143,290.12
March 31, 2011	1,097,705,351.09	-	1,097,705,351.09	1,068,852,203.67	(28,853,147.42)	1,068,852,203.67	816,688,348.33
December 31, 2010	968,742,508.30	-	968,742,508.30	950,111,416.81	(18,631,091.49)	950,111,416.81	708,895,636.37
September 30, 2010	915,728,029.86	-	915,728,029.86	889,896,058.18	(25,831,971.68)	889,896,058.18	673,462,492.71
June 30, 2010	1,362,887,892.31	-	1,362,887,892.31	1,335,628,211.52	(27,259,680.79)	1,335,628,211.52	975,241,505.93
March 31, 2010	1,471,905,695.71	-	1,471,905,695.71	1,391,337,542.96	(80,568,152.75)	1,391,337,542.96	1,015,645,802.04
December 31, 2009	1,349,124,213.70	-	1,349,124,213.70	1,290,817,167.68	(58,307,046.02)	1,290,817,167.68	852,088,739.42
September 30, 2009	2,953,442,689.02	(106,853,708.32)	2,846,588,980.70	2,700,948,264.43	(145,640,716.27)	2,700,948,264.43	1,692,409,639.54
Totals		\$ (106,853,708.32)			\$ (553,729,327.33)		

The following is the impairment listing for loan-backed and structured securities for the three months ended September 30, 2012:

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
00104BAF7	\$ 85,000.00	\$	\$ 85,000.00	\$ 20,000.00	\$ (65,000.00)	\$ 20,000.00	\$ 7.00
004421TD5	1,385,825.15		1,385,825.15	1,315,875.19	(69,949.96)	1,315,875.19	1,270,167.00
00442KAD3	3,211,011.30		3,211,011.30	3,167,443.77	(43,567.53)	3,167,443.77	2,684,789.02
02146QAB9	9,869,919.23		9,869,919.23	9,669,849.28	(200,069.95)	9,669,849.28	8,971,526.82
02147DAB7	8,170,690.96		8,170,690.96	8,103,775.43	(66,915.53)	8,103,775.43	7,895,446.07
02150MAB1	13,116,031.08		13,116,031.08	12,887,551.15	(228,479.93)	12,887,551.15	13,011,475.43
02660TBF9	250,071.28		250,071.28	145,570.58	(104,500.70)	145,570.58	1,040,778.77
02660TGN7	6,430,479.32		6,430,479.32	6,123,949.20	(306,530.12)	6,123,949.20	5,452,232.79
02660TGS6	5,479,176.12		5,479,176.12	5,365,612.13	(113,563.99)	5,365,612.13	4,687,198.15
02660THL0	816,498.41		816,498.41	806,453.97	(10,044.44)	806,453.97	747,179.44
02660TJB0	16,520,049.00		16,520,049.00	15,272,638.61	(1,247,410.39)	15,272,638.61	13,968,184.79
02660XAD6	2,707,500.01		2,707,500.01	2,568,739.18	(138,760.83)	2,568,739.18	2,670,016.74
026929AD1	6,086,467.38		6,086,467.38	5,859,618.06	(226,849.32)	5,859,618.06	5,471,643.42
03072SPD1	277,474.17		277,474.17	275,809.52	(1,664.65)	275,809.52	231,738.26
040104QN4	1,985,075.16		1,985,075.16	1,970,762.96	(14,312.20)	1,970,762.96	1,714,152.18
040104TF8	65,161.17		65,161.17	65,126.38	(34.79)	65,126.38	58,698.30
040104TG6	94,912.11		94,912.11	94,841.58	(70.53)	94,841.58	88,066.79
05950DA,A8	8,051,249.93		8,051,249.93	7,888,415.28	(162,834.65)	7,888,415.28	7,653,912.29
06652DAA,7	4,595,312.46		4,595,312.46	4,431,432.75	(163,879.71)	4,431,432.75	4,108,675.87
07325VAG9	1,667,229.09		1,667,229.09	1,634,135.74	(33,093.35)	1,634,135.74	1,488,340.58
07386HKS9	336,273.33		336,273.33	333,104.11	(3,169.22)	333,104.11	300,323.23
07386HMP3	998,207.17		998,207.17	986,566.99	(11,640.18)	986,566.99	905,110.80
07389PAY6	307,671.02		307,671.02	195,762.30	(111,908.72)	195,762.30	164,832.50
07389VA,A5	1,273,548.32		1,273,548.32	1,233,817.70	(39,730.62)	1,233,817.70	1,118,009.35
12489WQH0	111,963.43		111,963.43	95,819.61	(16,143.82)	95,819.61	565,519.20
1248MEAA7	5,909,561.79		5,909,561.79	5,454,185.36	(455,376.43)	5,454,185.36	3,737,977.61
1248MGAJ3	56,112.67		56,112.67	55,111.01	(1,001.66)	55,111.01	50,369.09
1248MPAH7	196,783.15		196,783.15	140,799.20	(55,983.95)	140,799.20	215,557.17
126670LP1	4,922,394.55		4,922,394.55	4,212,606.10	(709,788.45)	4,212,606.10	4,477,464.00
126670QZ4	287,161.36		287,161.36	242,980.15	(44,181.21)	242,980.15	258,375.50
126671UU8	47,238.91		47,238.91	47,087.75	(151.16)	47,087.75	39,359.86
12667GCB7	134,932.18		134,932.18	134,006.56	(925.62)	134,006.56	130,120.33
12667GME0	12,516,809.19		12,516,809.19	12,146,740.32	(370,068.87)	12,146,740.32	10,727,475.66
12667GR62	1,899,370.86		1,899,370.86	1,844,305.56	(55,065.30)	1,844,305.56	1,727,108.17
12667NAC2	190,099.57		190,099.57	187,708.98	(2,390.59)	187,708.98	186,799.06
12668A3Q6	5,220,563.07		5,220,563.07	5,166,712.20	(53,850.87)	5,166,712.20	5,114,745.39
12668ACZ6	2,617,490.20		2,617,490.20	2,572,255.18	(45,235.02)	2,572,255.18	2,290,023.95
12668AEV3	8,397,184.43		8,397,184.43	8,063,626.87	(333,557.56)	8,063,626.87	7,733,322.03
12668BB77	16,813,583.21		16,813,583.21	16,165,081.37	(648,501.84)	16,165,081.37	15,267,740.77
12668BE33	10,608,729.70		10,608,729.70	10,309,768.18	(298,961.52)	10,309,768.18	9,534,877.39

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
126694YM4	2,318,172.61		2,318,172.61	2,317,787.17	(385.44)	2,317,787.17	1,998,319.41
12669FW82	807,603.10		807,603.10	728,333.68	(79,269.42)	728,333.68	638,614.83
12669GKH3	9,297,064.84		9,297,064.84	9,157,301.52	(139,763.32)	9,157,301.52	10,063,598.74
12669GUR0	2,510,151.11		2,510,151.11	2,426,569.22	(83,581.89)	2,426,569.22	2,126,517.86
12669UBB5	577,383.54		577,383.54	543,260.47	(34,123.07)	543,260.47	406,123.72
14453MAB0	5,994,542.93		5,994,542.93	5,822,082.94	(172,459.99)	5,822,082.94	4,701,559.98
14454AAB5	1,800,461.12		1,800,461.12	1,677,036.58	(123,424.54)	1,677,036.58	1,591,708.24
14983CAA3	984,170.40		984,170.40	969,590.10	(14,580.30)	969,590.10	815,714.71
22540VG71	130,709.14		130,709.14	130,675.08	(34.06)	130,675.08	130,025.32
22541SXK4	1,512,132.28		1,512,132.28	1,422,602.72	(89,529.56)	1,422,602.72	1,188,789.95
23243AAD8	702,229.95		702,229.95	681,454.17	(20,775.78)	681,454.17	624,250.70
23245QAA7	1,628,273.50		1,628,273.50	1,589,532.01	(38,741.49)	1,589,532.01	1,566,167.19
23332UAC8	3,276,133.69		3,276,133.69	3,178,167.62	(97,966.07)	3,178,167.62	3,766,901.31
23332UAR5	6,741,362.58		6,741,362.58	6,559,992.29	(181,370.29)	6,559,992.29	7,018,715.96
23332UBV5	4,029,640.03		4,029,640.03	3,876,007.69	(153,632.34)	3,876,007.69	3,886,993.68
23332UCM4	403,592.75		403,592.75	396,879.36	(6,713.39)	396,879.36	368,092.05
23332UDU5	14,338,921.99		14,338,921.99	13,722,207.61	(616,714.38)	13,722,207.61	11,911,773.68
23332UFV1	1,077,072.50		1,077,072.50	997,406.70	(79,665.80)	997,406.70	933,919.73
251510NC3	11,830,571.08		11,830,571.08	10,964,975.47	(865,595.61)	10,964,975.47	6,836,695.19
28140XAE9	44,000.00		44,000.00	-	(44,000.00)	-	180,432.00
32051DV33	411,468.64		411,468.64	359,110.52	(52,358.12)	359,110.52	415,924.50
32113JAA3	524,407.05		524,407.05	489,022.15	(35,384.90)	489,022.15	437,139.43
362341L49	4,425,602.42		4,425,602.42	4,162,981.73	(262,620.69)	4,162,981.73	3,133,037.82
36242DBJ1	373,091.99		373,091.99	363,392.73	(9,699.26)	363,392.73	365,798.61
362480AD7	818,813.53		818,813.53	800,798.68	(18,014.85)	800,798.68	708,772.26
39538RBB4	8,837,531.53		8,837,531.53	8,671,538.79	(165,992.74)	8,671,538.79	7,719,420.61
39538WBH0	2,674.31		2,674.31	2,500.33	(173.98)	2,500.33	1,348.48
39538wFH6	7,107,201.63		7,107,201.63	6,829,766.21	(277,435.42)	6,829,766.21	6,207,709.49
39538wHF8	20,436,910.95		20,436,910.95	19,982,637.72	(454,273.23)	19,982,637.72	17,530,138.30
39539GAA0	3,131,528.68		3,131,528.68	3,040,304.05	(91,224.63)	3,040,304.05	2,779,958.90
40430HBH0	3,807.98		3,807.98	2,365.06	(1,442.92)	2,365.06	4,835.72
41161PFR9	874,319.04		874,319.04	870,422.32	(3,896.72)	870,422.32	836,750.57
41161PHU0	5,378,599.79		5,378,599.79	5,312,154.11	(66,445.68)	5,312,154.11	5,714,722.05
41161PKH5	333,249.83		333,249.83	317,782.31	(15,467.52)	317,782.31	328,714.19
41161PLR2	8,371,145.78		8,371,145.78	8,227,592.91	(143,552.87)	8,227,592.91	7,610,370.30
41161PMG5	10,265,049.13		10,265,049.13	10,057,344.02	(207,705.11)	10,057,344.02	8,933,425.54
41161PQU0	9,172,389.34		9,172,389.34	9,136,472.74	(35,916.60)	9,136,472.74	8,380,147.54
41161PSK0	3,478,271.55		3,478,271.55	3,454,855.94	(23,415.61)	3,454,855.94	3,116,817.04
41161PTN3	1,485,257.91		1,485,257.91	1,444,623.62	(40,634.29)	1,444,623.62	1,367,281.30
41161PWB5	4,646,026.49		4,646,026.49	4,602,682.04	(43,344.45)	4,602,682.04	4,113,910.79
41161PXH1	548,433.09		548,433.09	537,045.78	(11,387.31)	537,045.78	499,452.81
41164LAB5	8,448,415.82		8,448,415.82	8,180,637.98	(267,777.84)	8,180,637.98	6,432,440.57
41164YAB7	8,482,076.57		8,482,076.57	8,333,726.65	(148,349.92)	8,333,726.65	7,246,002.39
43739EBJ5	7,058,150.46		7,058,150.46	7,007,297.76	(50,852.70)	7,007,297.76	5,939,909.98
45071KDD3	839,825.09		839,825.09	749,122.18	(90,702.91)	749,122.18	759,242.51
45254NJG3	895,740.78		895,740.78	878,506.92	(17,233.86)	878,506.92	880,139.68
45254NJV0	766,580.95		766,580.95	755,961.94	(10,619.01)	755,961.94	720,069.78
45254NML8	1,125,979.69		1,125,979.69	1,068,860.98	(57,118.71)	1,068,860.98	971,152.92
45254NJP8	9,403,371.46		9,403,371.46	9,242,236.34	(161,135.12)	9,242,236.34	8,852,219.04
45254NPA9	3,389,379.80		3,389,379.80	3,190,682.08	(198,697.72)	3,190,682.08	3,089,441.21
45254NPUS	3,497,954.43		3,497,954.43	3,226,170.03	(271,784.40)	3,226,170.03	3,586,159.25
45254TSM7	2,704,824.59		2,704,824.59	2,648,494.36	(56,330.23)	2,648,494.36	2,249,586.79
452570AA2	38,044.53		38,044.53	36,590.40	(1,454.13)	36,590.40	36,303.60
45257EAA2	2,672,524.41		2,672,524.41	2,598,631.98	(73,892.43)	2,598,631.98	2,219,789.35
45660LKW8	19,422,015.89		19,422,015.89	18,851,953.78	(570,062.11)	18,851,953.78	14,706,208.59
45660LW96	1,890,980.36		1,890,980.36	1,882,259.02	(8,721.34)	1,882,259.02	1,776,779.42
45660LYW3	2,651,096.95		2,651,096.95	2,621,771.19	(29,325.76)	2,621,771.19	2,114,696.81
45660N2J3	3,200,163.07		3,200,163.07	3,186,018.57	(14,144.50)	3,186,018.57	3,533,256.10
45660NS30	1,704,040.33		1,704,040.33	1,697,430.89	(6,609.44)	1,697,430.89	1,511,345.12
45660NT96	1,772,999.59		1,772,999.59	1,739,284.08	(33,715.51)	1,739,284.08	2,163,248.96
456612AC4	11,961,695.73		11,961,695.73	11,531,113.16	(430,582.57)	11,531,113.16	9,704,906.36
46412AAD4	4,450,689.02		4,450,689.02	2,777,199.64	(1,673,489.38)	2,777,199.64	4,146,653.29
466247UG6	1,765,463.00		1,765,463.00	1,745,471.77	(19,991.23)	1,745,471.77	1,671,013.64

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
466247XE8	4,528,510.15		4,528,510.15	4,344,059.17	(184,450.98)	4,344,059.17	3,759,851.11
46627MBQ9	9,095,045.46		9,095,045.46	8,754,441.61	(340,603.85)	8,754,441.61	7,789,362.95
46629BAR0	3,063,023.79		3,063,023.79	3,046,423.87	(16,599.92)	3,046,423.87	2,525,241.11
525221AJ6	1,920,906.01		1,920,906.01	1,828,241.78	(92,664.23)	1,828,241.78	1,633,344.92
525221CD7	99,549.31		99,549.31	85,811.54	(13,737.77)	85,811.54	67,177.70
525221HA8	16,974,165.86		16,974,165.86	16,922,984.16	(51,181.70)	16,922,984.16	12,633,102.93
525226AL0	1,047,118.57		1,047,118.57	975,947.93	(71,170.64)	975,947.93	352,987.74
525229AG5	386,538.40		386,538.40	364,494.80	(22,043.60)	364,494.80	216,089.08
52524VAG4	8,880,642.30		8,880,642.30	8,448,297.51	(432,344.79)	8,448,297.51	7,860,943.53
52524YAF0	7,938,173.02		7,938,173.02	7,633,009.65	(305,163.37)	7,633,009.65	6,686,867.82
550279AA1	3,558,070.71		3,558,070.71	3,455,606.28	(102,464.43)	3,455,606.28	3,262,598.43
55027AAR1	7,952,505.19		7,952,505.19	7,813,568.33	(138,936.86)	7,813,568.33	6,320,491.78
55027BAA6	10,884,773.60		10,884,773.60	10,566,744.11	(318,029.49)	10,566,744.11	9,346,869.47
576433H33	283,667.90		283,667.90	272,217.42	(11,450.48)	272,217.42	261,734.57
576433RU2	1,353,577.12		1,353,577.12	1,272,352.70	(81,224.42)	1,272,352.70	1,124,196.89
576433SE7	1,367,493.57		1,367,493.57	1,291,443.14	(76,050.43)	1,291,443.14	881,619.00
57643LMP8	1,521,589.02		1,521,589.02	1,467,456.62	(54,132.40)	1,467,456.62	1,080,718.39
589929N38	1,128,343.17		1,128,343.17	1,124,608.38	(3,734.79)	1,124,608.38	1,121,005.99
589929X29	3,219,135.72		3,219,135.72	3,162,749.88	(56,385.84)	3,162,749.88	3,083,514.94
59020UQ57	3,216,569.32		3,216,569.32	3,134,642.91	(81,926.41)	3,134,642.91	2,056,200.40
617463AA2	15,957.84		15,957.84	15,572.05	(385.79)	15,572.05	12,714.50
61748HAA9	10,679.44		10,679.44	10,549.38	(130.06)	10,549.38	11,455.55
61750FAE0	700,285.02		700,285.02	688,486.26	(11,798.76)	688,486.26	607,105.55
61753KAB2	121,326.36		121,326.36	64,367.48	(56,958.88)	64,367.48	61,996.57
61757MAB4	2,139,886.61		2,139,886.61	1,570,104.92	(569,781.69)	1,570,104.92	2,041,732.19
61915RBB1	5,370,697.25		5,370,697.25	5,254,499.28	(116,197.97)	5,254,499.28	4,941,918.72
638728AC9	1,805,925.45		1,805,925.45	1,647,260.90	(158,664.55)	1,647,260.90	1,656,632.29
64352VNY3	2,771,152.24		2,771,152.24	2,267,069.86	(504,082.38)	2,267,069.86	1,837,659.00
64352VPC9	8,338.54		8,338.54	4,623.94	(3,714.60)	4,623.94	6,138.11
65106FAB8	7,183,924.50		7,183,924.50	7,147,231.17	(36,693.33)	7,147,231.17	6,400,260.04
65535VUS5	1,434,863.05		1,434,863.05	1,302,986.92	(131,876.13)	1,302,986.92	1,251,562.72
68383NBZ5	4,000,850.81		4,000,850.81	3,745,222.49	(255,628.32)	3,745,222.49	3,941,383.87
68383NCA9	16,533,784.14		16,533,784.14	16,234,620.96	(299,163.18)	16,234,620.96	16,981,217.67
68383NCD3	2,675,434.84		2,675,434.84	2,604,043.22	(71,391.62)	2,604,043.22	2,572,371.00
68383NDT7	6,481,943.18		6,481,943.18	6,369,680.71	(112,262.47)	6,369,680.71	5,205,734.12
68383NDW0	5,825,533.09		5,825,533.09	5,649,906.06	(175,627.03)	5,649,906.06	4,145,042.55
74922AAA5	10,526,116.43		10,526,116.43	9,677,646.46	(848,469.97)	9,677,646.46	7,633,577.61
74922MAB7	7,248,372.12		7,248,372.12	6,714,771.76	(533,600.36)	6,714,771.76	6,715,310.51
74922MAC5	707,323.17		707,323.17	660,547.34	(46,775.83)	660,547.34	699,536.00
75114GAC3	14,411,026.37		14,411,026.37	13,941,542.93	(469,483.44)	13,941,542.93	11,356,754.41
75114HAD9	13,608,091.32		13,608,091.32	13,060,457.61	(547,633.71)	13,060,457.61	11,126,549.82
75114HAK3	4,204,427.10		4,204,427.10	3,727,063.95	(477,363.15)	3,727,063.95	2,461,201.96
75405KAG3	11,830.73		11,830.73	7,862.00	(3,968.73)	7,862.00	7,577.91
76110GE23	4,391,658.82		4,391,658.82	4,387,721.30	(3,937.52)	4,387,721.30	4,357,038.85
76110GUG4	1,147,028.99		1,147,028.99	1,119,058.74	(27,970.25)	1,119,058.74	1,098,963.42
761118NN4	7,313,920.69		7,313,920.69	6,861,943.31	(451,977.38)	6,861,943.31	6,785,487.46
761118PJ9	276,531.77		276,531.77	266,120.78	(10,410.93)	266,120.78	252,111.95
77277LAF4	39,517,587.09		39,517,587.09	38,874,645.93	(642,941.16)	38,874,645.93	26,606,966.38
77277LAH0	1,964,959.14		1,964,959.14	1,933,141.62	(31,817.52)	1,933,141.62	2,572,624.78
77277LAJ6	27,814,860.59		27,814,860.59	27,368,866.47	(445,994.12)	27,368,866.47	16,742,920.30
81378EAA1	1,925,635.35		1,925,635.35	1,829,366.14	(96,269.21)	1,829,366.14	1,842,362.88
81379EAA0	246,817.09		246,817.09	236,120.61	(10,696.48)	236,120.61	207,882.97
83613GAA7	2,012,128.31		2,012,128.31	1,894,346.96	(117,781.35)	1,894,346.96	1,930,801.74
863579HM3	2,958.38		2,958.38	1,663.65	(1,294.73)	1,663.65	2,719.25
86359BU82	48,193.66		48,193.66	26,315.63	(21,878.03)	26,315.63	24,054.29
86360JAA9	9,190,506.61		9,190,506.61	8,389,847.79	(800,658.82)	8,389,847.79	6,481,882.57
86360JAE1	6,854,732.97		6,854,732.97	6,511,222.23	(343,510.74)	6,511,222.23	5,317,343.11
86360KAF5	26,074,176.98		26,074,176.98	25,895,531.95	(178,645.03)	25,895,531.95	23,412,386.09
86360UAF3	3,138,149.64		3,138,149.64	3,009,035.04	(129,114.60)	3,009,035.04	2,753,523.93
86362HAA1	7,317,300.14		7,317,300.14	7,305,095.32	(12,204.82)	7,305,095.32	6,677,392.01
88157QAL2	648,398.13		648,398.13	567,274.44	(81,123.69)	567,274.44	1,394,925.58
89789KAC9	20,085.78		20,085.78	15,044.02	(5,041.76)	15,044.02	16,248.72

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
92922F4M7	3,796,821.22		3,796,821.22	3,662,184.15	(134,637.07)	3,662,184.15	3,359,468.93
92922F5T1	6,349,746.87		6,349,746.87	6,082,648.99	(267,097.88)	6,082,648.99	5,770,123.31
92922FB72	1,044,633.17		1,044,633.17	1,024,610.17	(20,023.00)	1,024,610.17	1,021,754.74
92922FJ25	5,517,864.48		5,517,864.48	5,358,099.61	(159,764.87)	5,358,099.61	4,984,701.82
92922FZF8	7,110,463.72		7,110,463.72	7,056,485.15	(53,978.57)	7,056,485.15	7,480,813.93
92925CBB7	3,657,148.66		3,657,148.66	3,509,428.92	(147,719.74)	3,509,428.92	3,067,040.60
92977YAY7	1,710,312.44		1,710,312.44	1,674,947.94	(35,364.50)	1,674,947.94	257,348.00
939336X65	9,716,858.34		9,716,858.34	9,515,392.27	(201,466.07)	9,515,392.27	10,498,736.16
93934FHC9	6,877,031.30		6,877,031.30	6,575,156.56	(301,874.74)	6,575,156.56	5,456,555.03
93934FJQ6	12,186,984.18		12,186,984.18	12,035,963.57	(151,020.61)	12,035,963.57	10,519,269.00
Totals	816,573,456.06	\$			\$ (28,222,633.24)		

The following is the impairment listing for loan-backed and structured securities for the three months ended June 30, 2012:

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
00104BAF7	\$ 200,000.00	\$ -	\$ 200,000.00	\$ 85,000.00	\$ (115,000.00)	\$ 85,000.00	\$ 85,000.00
004421TD5	1,431,855.30	-	1,431,855.30	1,363,868.44	(67,986.86)	1,363,868.44	1,153,173.00
00442JAE4	3,862,291.68	-	3,862,291.68	3,851,473.26	(10,818.42)	3,851,473.26	3,572,149.48
00442KAD3	3,369,186.36	-	3,369,186.36	3,302,832.79	(66,353.57)	3,302,832.79	2,132,351.50
02146QAB9	10,287,869.59	-	10,287,869.59	10,218,956.32	(68,913.27)	10,218,956.32	7,537,246.63
02147CAA1	7,107,918.64	-	7,107,918.64	6,969,965.32	(137,953.32)	6,969,965.32	6,342,616.04
02147DAB7	8,606,269.92	-	8,606,269.92	8,562,519.86	(43,750.06)	8,562,519.86	6,556,038.08
02150MAB1	13,771,067.83	-	13,771,067.83	13,669,332.80	(101,735.03)	13,669,332.80	13,557,560.71
02660TBF9	282,099.51	-	282,099.51	253,604.97	(28,494.54)	253,604.97	1,028,856.60
02660TGN7	6,692,845.69	-	6,692,845.69	6,584,228.33	(108,617.36)	6,584,228.33	4,775,635.84
02660TGS6	5,649,878.60	-	5,649,878.60	5,532,070.58	(117,808.02)	5,532,070.58	3,903,949.03
02660THL0	1,238,687.87	-	1,238,687.87	1,197,189.92	(41,497.95)	1,197,189.92	1,030,696.83
02660TJB0	17,108,199.57	-	17,108,199.57	16,917,717.88	(190,481.69)	16,917,717.88	12,785,540.98
02660WAC0	13,255,792.13	-	13,255,792.13	12,728,320.95	(527,471.18)	12,728,320.95	9,450,333.83
02660XAD6	9,023,202.20	-	9,023,202.20	8,882,491.32	(140,710.88)	8,882,491.32	7,904,039.85
026929AA7	7,231,924.69	-	7,231,924.69	7,195,941.59	(35,983.10)	7,195,941.59	6,895,829.36
026929AD1	6,311,562.31	-	6,311,562.31	6,160,569.79	(150,992.52)	6,160,569.79	4,307,184.73
040104QN4	2,176,680.39	-	2,176,680.39	2,141,977.65	(34,702.74)	2,141,977.65	1,663,011.91
040104RV5	1,649,861.14	-	1,649,861.14	1,615,029.38	(34,831.76)	1,615,029.38	1,406,395.36
055294AA0	2,225,393.89	-	2,225,393.89	2,183,996.71	(41,397.18)	2,183,996.71	2,038,217.83
05949ALH1	1,621,893.67	-	1,621,893.67	1,620,419.54	(1,474.13)	1,620,419.54	1,596,127.11
05949CCB0	656,838.44	-	656,838.44	626,385.03	(30,453.41)	626,385.03	649,367.68
07325VAG9	1,735,629.35	-	1,735,629.35	1,723,028.99	(12,600.36)	1,723,028.99	1,273,366.93
07384MW40	88,210.20	-	88,210.20	87,977.52	(232.68)	87,977.52	84,711.88
07384YCD6	4,537,996.34	-	4,537,996.34	4,513,940.23	(24,056.11)	4,513,940.23	3,866,023.93
073854AB7	10,873,710.45	-	10,873,710.45	10,623,347.48	(250,362.97)	10,623,347.48	10,432,056.29
07386HSP7	4,689,009.73	-	4,689,009.73	4,642,803.64	(46,206.09)	4,642,803.64	3,471,488.87
073879Z92	7,378,319.99	-	7,378,319.99	7,185,484.66	(192,835.33)	7,185,484.66	4,726,061.37
07389VAA5	1,318,932.07	-	1,318,932.07	1,280,083.52	(38,848.55)	1,280,083.52	1,097,200.81
07401LAA1	10,399,215.66	-	10,399,215.66	10,211,138.77	(188,076.89)	10,211,138.77	7,737,082.30
07820QAY1	10,244,033.14	-	10,244,033.14	10,084,183.24	(159,849.90)	10,084,183.24	7,631,582.53
12667GCB7	143,614.09	-	143,614.09	141,535.45	(2,078.64)	141,535.45	113,681.08
12667GME0	13,002,918.82	-	13,002,918.82	12,904,511.72	(98,407.10)	12,904,511.72	9,057,198.55
12667GS20	9,653,506.47	-	9,653,506.47	9,511,658.52	(141,847.95)	9,511,658.52	7,409,946.62
12668AEV3	8,700,864.26	-	8,700,864.26	8,657,056.30	(43,807.96)	8,657,056.30	7,004,721.42
12668BB77	17,547,512.32	-	17,547,512.32	17,438,286.35	(109,225.97)	17,438,286.35	13,341,926.58
126694N46	238,636.82	-	238,636.82	231,415.75	(7,221.07)	231,415.75	171,330.74
12669FW82	851,239.78	-	851,239.78	847,589.63	(3,650.15)	847,589.63	647,311.89

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
12669FXR9	\$ 370,494.06	\$ -	\$ 370,494.06	\$ 366,193.11	\$ (4,300.95)	\$ 366,193.11	\$ 307,570.41
12669GKH3	9,657,789.05	-	9,657,789.05	9,626,283.07	(31,505.98)	9,626,283.07	8,224,615.71
12669GRQ6	4,726,256.52	-	4,726,256.52	4,661,996.18	(64,260.34)	4,661,996.18	4,014,966.39
12669GTV3	259,652.30	-	259,652.30	249,772.89	(9,879.41)	249,772.89	211,949.32
12669GUR0	2,597,195.38	-	2,597,195.38	2,570,000.85	(27,194.53)	2,570,000.85	2,005,653.32
14453MAB0	6,510,444.56	-	6,510,444.56	6,287,272.76	(223,171.80)	6,287,272.76	4,814,360.57
14454AAB5	2,010,836.64	-	2,010,836.64	1,921,516.72	(89,319.92)	1,921,516.72	1,169,687.55
14983CAA3	1,062,031.79	-	1,062,031.79	999,049.90	(62,981.89)	999,049.90	805,764.20
22943HAD8	6,668,798.61	-	6,668,798.61	6,106,933.18	(561,865.43)	6,106,933.18	2,462,010.00
23243AAD8	756,348.29	-	756,348.29	752,029.25	(4,319.04)	752,029.25	627,320.41
23321P6A1	6,365,678.30	-	6,365,678.30	6,352,809.55	(12,868.75)	6,352,809.55	6,304,418.22
23332UAR5	7,184,122.90	-	7,184,122.90	6,977,311.03	(206,811.87)	6,977,311.03	6,088,532.73
23332UBG8	4,829,464.62	-	4,829,464.62	4,803,542.84	(25,921.78)	4,803,542.84	4,236,755.99
23332UBV5	4,226,881.85	-	4,226,881.85	4,136,244.85	(90,637.00)	4,136,244.85	3,452,468.99
23332UCM4	425,661.23	-	425,661.23	419,406.25	(6,254.98)	419,406.25	316,927.03
23332UDU5	15,161,149.93	-	15,161,149.93	14,909,013.37	(252,136.56)	14,909,013.37	11,082,888.05
23332UFV1	1,124,568.71	-	1,124,568.71	1,099,842.01	(24,726.70)	1,099,842.01	781,834.55
251510EH2	26,882,770.36	-	26,882,770.36	26,866,304.62	(16,465.74)	26,866,304.62	26,880,066.39
251510FB4	4,270,275.32	-	4,270,275.32	4,196,350.93	(73,924.39)	4,196,350.93	3,631,606.94
30251YAB4	6,357,372.84	-	6,357,372.84	6,245,225.03	(112,147.81)	6,245,225.03	5,452,636.22
32051DV33	137,807.13	-	137,807.13	137,159.30	(647.83)	137,159.30	133,197.33
32053LAA0	154,571.30	-	154,571.30	145,156.35	(9,414.95)	145,156.35	140,283.47
32113JAA3	535,759.12	-	535,759.12	531,717.71	(4,041.41)	531,717.71	372,539.44
36185NXT2	156,720.67	-	156,720.67	66,042.17	(90,678.50)	66,042.17	286,175.91
36242DBJ1	827,700.02	-	827,700.02	826,427.41	(1,272.61)	826,427.41	791,983.59
39538RBB4	9,235,052.70	-	9,235,052.70	9,161,868.90	(73,183.80)	9,161,868.90	6,512,187.42
39538WFH6	7,446,871.83	-	7,446,871.83	7,388,250.67	(58,621.16)	7,388,250.67	5,212,964.28
39538WHF8	21,165,329.45	-	21,165,329.45	20,819,111.57	(346,217.88)	20,819,111.57	14,494,086.18
41161PHC0	5,663,138.76	-	5,663,138.76	5,571,887.86	(91,250.90)	5,571,887.86	4,657,833.18
41161PHU0	5,574,767.28	-	5,574,767.28	5,545,485.20	(29,282.08)	5,545,485.20	4,933,438.31
41161PKH5	358,341.70	-	358,341.70	350,459.48	(7,882.22)	350,459.48	279,909.18
41161PLR2	8,744,109.73	-	8,744,109.73	8,623,527.46	(120,582.27)	8,623,527.46	7,001,090.12
41161PMG5	10,907,650.36	-	10,907,650.36	10,675,036.33	(232,614.03)	10,675,036.33	8,384,590.26
41161PQU0	9,626,881.95	-	9,626,881.95	9,511,928.93	(114,953.02)	9,511,928.93	7,153,603.90
41161PTN3	1,567,226.31	-	1,567,226.31	1,530,481.28	(36,745.03)	1,530,481.28	1,227,098.07
41161PWB5	4,792,597.54	-	4,792,597.54	4,742,660.23	(49,937.31)	4,742,660.23	3,425,757.56
41164LAB5	9,025,230.86	-	9,025,230.86	8,802,389.69	(222,841.17)	8,802,389.69	6,136,334.93
41164YAB7	8,783,262.95	-	8,783,262.95	8,626,488.00	(156,774.95)	8,626,488.00	6,415,095.86
43739EAP2	14,784,174.76	-	14,784,174.76	14,453,507.95	(330,666.81)	14,453,507.95	12,736,364.43
43739EBS5	6,644,926.54	-	6,644,926.54	6,613,195.04	(31,731.50)	6,613,195.04	5,994,185.62
45071KDD3	874,479.83	-	874,479.83	843,040.88	(31,438.95)	843,040.88	591,187.65
45254NFY8	1,038,063.72	-	1,038,063.72	963,823.44	(74,240.28)	963,823.44	905,686.67
45254NJG3	983,177.00	-	983,177.00	929,554.25	(53,622.75)	929,554.25	859,472.92
45254NJV0	792,655.77	-	792,655.77	780,003.42	(12,652.35)	780,003.42	687,882.12
45254NKF3	3,837,676.15	-	3,837,676.15	3,683,101.32	(154,574.83)	3,683,101.32	3,959,710.64
45254NKX4	4,478,860.96	-	4,478,860.96	4,422,738.27	(56,122.69)	4,422,738.27	4,098,551.43
45254NMB0	835,811.04	-	835,811.04	829,894.54	(5,916.50)	829,894.54	827,244.85
45254NML8	1,226,716.58	-	1,226,716.58	1,135,591.92	(91,124.66)	1,135,591.92	916,733.12
45254NNP8	9,764,362.25	-	9,764,362.25	9,679,352.19	(85,010.06)	9,679,352.19	8,050,803.25
45254NPA9	11,273,438.09	-	11,273,438.09	10,257,202.67	(1,016,235.42)	10,257,202.67	9,774,878.07
45254NPU5	3,954,742.03	-	3,954,742.03	3,563,809.02	(390,933.01)	3,563,809.02	3,138,432.38
45254TRX4	225,155.56	-	225,155.56	220,114.37	(5,041.19)	220,114.37	196,421.77
45254TSM7	2,772,862.81	-	2,772,862.81	2,753,083.50	(19,779.31)	2,753,083.50	1,949,032.94
45254TTM6	9,152,610.15	-	9,152,610.15	8,265,168.78	(887,441.37)	8,265,168.78	7,210,716.01
45257AA2	39,357.38	-	39,357.38	38,813.03	(544.35)	38,813.03	35,080.60
45257EAA2	3,341,322.24	-	3,341,322.24	2,836,462.90	(504,859.34)	2,836,462.90	2,332,857.39
45660LW96	1,942,016.41	-	1,942,016.41	1,904,763.48	(37,252.93)	1,904,763.48	1,435,169.74
45660N5H4	4,351,507.28	-	4,351,507.28	4,338,621.20	(12,886.08)	4,338,621.20	3,923,989.16
45660NQ24	1,233,486.45	-	1,233,486.45	1,230,642.09	(2,844.36)	1,230,642.09	1,232,617.90

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
45660NRB3	\$ 487,414.55	\$ -	\$ 487,414.55	\$ 399,280.68	\$ (88,133.87)	\$ 399,280.68	\$ 490,283.19
45660NT96	1,816,063.88	-	1,816,063.88	1,806,256.24	(9,807.64)	1,806,256.24	1,859,981.54
466247XE8	4,650,188.72	-	4,650,188.72	4,635,482.74	(14,705.98)	4,635,482.74	3,697,655.40
525221CD7	112,779.85	-	112,779.85	98,101.84	(14,678.01)	98,101.84	61,836.12
525221GM3	2,458,888.85	-	2,458,888.85	2,445,388.33	(13,500.52)	2,445,388.33	1,644,620.54
525221HA8	17,763,846.44	-	17,763,846.44	17,620,557.18	(143,289.26)	17,620,557.18	11,871,568.03
525226AL0	1,099,219.42	-	1,099,219.42	1,039,327.33	(59,892.09)	1,039,327.33	339,620.60
52524VAG4	9,458,735.80	-	9,458,735.80	9,212,714.22	(246,021.58)	9,212,714.22	7,479,285.60
52524YAF0	8,272,104.47	-	8,272,104.47	8,222,548.65	(49,555.82)	8,222,548.65	6,109,440.99
550279AA1	3,665,435.80	-	3,665,435.80	3,655,115.00	(10,320.80)	3,655,115.00	2,954,176.05
55027AAR1	8,352,542.50	-	8,352,542.50	8,109,980.95	(242,561.55)	8,109,980.95	5,760,436.41
55027AAU4	4,369,031.87	-	4,369,031.87	3,986,137.45	(382,894.42)	3,986,137.45	3,030,630.32
55027BAA6	11,515,914.05	-	11,515,914.05	11,172,053.06	(343,860.99)	11,172,053.06	8,356,553.71
55274SAM3	790,404.35	-	790,404.35	778,317.32	(12,087.03)	778,317.32	723,886.32
576433H33	290,906.36	-	290,906.36	290,091.39	(814.97)	290,091.39	216,527.20
576433RU2	1,412,948.79	-	1,412,948.79	1,351,921.38	(61,027.41)	1,351,921.38	871,870.50
576433SE7	1,387,862.96	-	1,387,862.96	1,362,484.32	(25,378.64)	1,362,484.32	841,751.20
576433YN0	1,020,587.11	-	1,020,587.11	995,392.32	(25,194.79)	995,392.32	869,933.44
589929X29	3,745,698.79	-	3,745,698.79	3,656,057.80	(89,640.99)	3,656,057.80	3,200,240.15
59020UAA3	107,389.64	-	107,389.64	106,562.02	(827.62)	106,562.02	116,170.81
59020UAC9	772,552.78	-	772,552.78	761,004.07	(11,548.71)	761,004.07	767,074.36
61748HAA9	5,844.66	-	5,844.66	5,039.15	(805.51)	5,039.15	5,599.85
61753KAB2	152,329.44	-	152,329.44	124,750.96	(27,578.48)	124,750.96	104,558.71
61757MAB4	2,336,961.40	-	2,336,961.40	2,140,988.87	(195,972.53)	2,140,988.87	1,851,385.13
61913PAA0	10,298,141.38	-	10,298,141.38	10,255,708.63	(42,432.75)	10,255,708.63	9,957,202.81
61915RBB1	5,610,065.10	-	5,610,065.10	5,511,448.64	(98,616.46)	5,511,448.64	4,215,508.59
61915RBZ8	590,852.12	-	590,852.12	573,216.15	(17,635.97)	573,216.15	470,172.19
638728AC9	1,873,987.12	-	1,873,987.12	1,834,131.37	(39,855.75)	1,834,131.37	1,285,552.89
65535VRK6	431,601.40	-	431,601.40	426,845.72	(4,755.68)	426,845.72	394,222.23
65535VUS5	1,552,289.89	-	1,552,289.89	1,507,833.50	(44,456.39)	1,507,833.50	875,125.42
65538DAA3	1,895,934.08	-	1,895,934.08	1,864,821.48	(31,112.60)	1,864,821.48	1,394,262.04
68383NCA3	17,471,873.47	-	17,471,873.47	17,083,180.00	(388,693.47)	17,083,180.00	15,924,424.42
68383NCD3	2,742,202.29	-	2,742,202.29	2,666,657.17	(75,545.12)	2,666,657.17	2,107,503.00
68383NCU5	6,535,346.78	-	6,535,346.78	6,366,445.92	(168,900.86)	6,366,445.92	5,584,860.65
68383NDT7	6,770,195.33	-	6,770,195.33	6,684,267.20	(85,928.13)	6,684,267.20	4,864,335.27
73316PJD3	17,233.44	-	17,233.44	15,938.56	(1,294.88)	15,938.56	15,075.41
74922AAA5	11,432,085.57	-	11,432,085.57	10,848,563.47	(583,522.10)	10,848,563.47	7,368,263.94
74922MAB7	8,041,255.68	-	8,041,255.68	7,503,169.16	(538,086.52)	7,503,169.16	5,646,779.29
74922MAC5	1,058,860.00	-	1,058,860.00	963,194.41	(95,665.59)	963,194.41	779,705.04
75114GAC3	15,472,732.82	-	15,472,732.82	14,796,192.74	(676,540.08)	14,796,192.74	10,310,046.31
75114HAD9	14,374,500.19	-	14,374,500.19	14,088,504.92	(285,995.27)	14,088,504.92	10,413,693.52
75114HAK3	4,575,978.98	-	4,575,978.98	4,163,435.41	(412,543.57)	4,163,435.41	1,968,950.36
760985U33	476,529.29	-	476,529.29	459,999.24	(16,530.05)	459,999.24	470,925.07
76110GE23	4,486,264.08	-	4,486,264.08	4,479,609.63	(6,654.45)	4,479,609.63	3,740,468.32
76110GUG4	1,202,269.60	-	1,202,269.60	1,199,172.45	(3,097.15)	1,199,172.45	1,144,874.11
761118FM5	8,570,697.93	-	8,570,697.93	8,493,487.10	(77,210.83)	8,493,487.10	8,323,336.48
761118KU1	5,554,419.45	-	5,554,419.45	5,142,391.57	(412,027.98)	5,142,391.57	3,979,797.32
761118NN4	7,620,104.69	-	7,620,104.69	7,481,830.28	(138,274.41)	7,481,830.28	5,699,451.77
761118RJ9	300,705.39	-	300,705.39	284,520.47	(16,184.92)	284,520.47	192,710.00
761118RM2	15,196,836.86	-	15,196,836.86	13,522,622.17	(1,674,214.69)	13,522,622.17	9,724,611.07
76112HAE7	32,009.23	-	32,009.23	30,576.03	(1,433.20)	30,576.03	31,895.47
805564RM5	2,970,387.09	-	2,970,387.09	2,854,917.47	(115,469.62)	2,854,917.47	2,725,749.61
81744FDK0	2,004,694.46	-	2,004,694.46	2,003,446.91	(1,247.55)	2,003,446.91	1,860,889.88
83613GAA7	2,088,852.82	-	2,088,852.82	2,038,594.80	(50,258.02)	2,038,594.80	1,826,699.24
86358RQ83	132,075.82	-	132,075.82	129,709.23	(2,366.59)	129,709.23	111,037.92
86359ADN0	300,845.68	-	300,845.68	232,528.71	(68,316.97)	232,528.71	173,751.34
86359BLB5	1,121,595.85	-	1,121,595.85	1,117,683.98	(3,911.87)	1,117,683.98	1,107,138.61
86359DBB0	1,502,493.10	-	1,502,493.10	1,465,861.87	(36,631.23)	1,465,861.87	1,218,072.63
86359DUL9	145,728.32	-	145,728.32	144,723.46	(1,004.86)	144,723.46	117,995.06

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
86359DUR6	\$ 13,912,545.28	\$ -	\$ 13,912,545.28	\$ 13,743,927.98	\$ (168,617.30)	\$ 13,743,927.98	\$ 11,206,756.34
86359LRW1	16,864,738.99	-	16,864,738.99	16,620,981.75	(243,757.24)	16,620,981.75	11,969,985.87
86359LSM2	1,125,578.49	-	1,125,578.49	1,099,624.38	(25,954.11)	1,099,624.38	826,429.54
86360JAA9	9,723,060.72	-	9,723,060.72	9,633,736.86	(89,323.86)	9,633,736.86	5,413,180.90
86360JAE1	7,325,252.91	-	7,325,252.91	7,105,955.59	(219,297.32)	7,105,955.59	4,510,390.49
86360KAF5	27,686,477.95	-	27,686,477.95	27,172,487.39	(513,990.56)	27,172,487.39	17,521,325.65
86360UAF3	3,300,100.97	-	3,300,100.97	3,246,625.82	(53,475.15)	3,246,625.82	2,378,138.65
86361HAA2	10,247,229.88	-	10,247,229.88	10,059,760.37	(187,469.51)	10,059,760.37	6,991,868.52
88157QAL2	687,666.55	-	687,666.55	641,362.90	(46,303.65)	641,362.90	1,251,357.07
885220FS7	5,964,125.86	-	5,964,125.86	5,887,292.28	(76,833.58)	5,887,292.28	5,696,732.83
92922F4M7	3,928,525.13	-	3,928,525.13	3,902,560.52	(25,964.61)	3,902,560.52	3,207,898.95
92922F5T1	6,601,125.32	-	6,601,125.32	6,532,188.39	(68,936.93)	6,532,188.39	5,368,328.70
92922F7Q5	7,833,706.21	-	7,833,706.21	7,796,889.46	(36,816.75)	7,796,889.46	6,591,798.09
92922FB72	1,086,772.77	-	1,086,772.77	1,075,566.77	(11,206.00)	1,075,566.77	920,347.74
92922FJ25	5,684,105.78	-	5,684,105.78	5,663,043.97	(21,061.81)	5,663,043.97	4,491,666.49
92922FWU8	3,212,069.20	-	3,212,069.20	3,192,161.08	(19,908.12)	3,192,161.08	3,079,304.16
92925CBB7	3,785,595.84	-	3,785,595.84	3,756,988.02	(28,607.82)	3,756,988.02	3,090,173.97
92977YAY7	2,076,178.98	-	2,076,178.98	1,704,441.01	(371,737.97)	1,704,441.01	264,420.01
9393365V1	1,406,019.24	-	1,406,019.24	1,388,720.27	(17,298.97)	1,388,720.27	1,194,171.17
94983YAQ2	3,193,194.30	-	3,193,194.30	3,131,994.05	(61,200.25)	3,131,994.05	2,947,135.10
94984DAB0	1,021,683.54	-	1,021,683.54	833,533.42	(188,150.12)	833,533.42	976,287.99
Totals	\$ 912,025,936.52	\$ -	\$ 912,025,936.52	\$ 890,494,220.76	\$ (21,531,715.76)	\$ 890,494,220.76	\$ 708,872,106.49

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

The following is the impairment listing for loan-backed and structured securities for the three months ended March 31, 2012:

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
004421TD5	\$ 1,541,478.78	\$ -	\$ 1,541,478.78	\$ 1,410,937.96	\$ (130,540.82)	\$ 1,410,937.96	\$ 1,160,727.00
00442KAD3	2,395,326.62	-	2,395,326.62	2,395,101.25	(225.37)	2,395,101.25	1,521,724.23
02146QAB9	10,895,719.62	-	10,895,719.62	10,673,040.59	(222,679.03)	10,673,040.59	8,244,490.82
02146TAQ0	15,999,669.17	-	15,999,669.17	15,309,628.19	(690,040.98)	15,309,628.19	14,282,052.69
02147CAA1	4,886,961.13	-	4,886,961.13	4,786,262.94	(100,698.19)	4,786,262.94	4,301,092.71
02147DAB7	9,135,556.28	-	9,135,556.28	9,088,651.47	(46,904.81)	9,088,651.47	7,239,389.63
02660TBF9	327,103.62	-	327,103.62	285,583.53	(41,520.09)	285,583.53	1,778,116.87
02660TGN7	7,100,084.55	-	7,100,084.55	6,860,765.65	(239,318.90)	6,860,765.65	5,132,213.37
02660TGS6	6,093,795.49	-	6,093,795.49	5,839,316.48	(254,479.01)	5,839,316.48	4,314,368.41
02660TJB0	18,399,042.67	-	18,399,042.67	17,476,293.71	(922,748.96)	17,476,293.71	13,651,610.59
02660WAC0	13,883,025.83	-	13,883,025.83	13,581,227.11	(301,798.72)	13,581,227.11	10,161,104.14
02660XAD6	9,456,288.55	-	9,456,288.55	9,329,482.89	(126,805.66)	9,329,482.89	8,125,864.94
026929AA7	7,552,542.66	-	7,552,542.66	7,387,317.62	(165,225.04)	7,387,317.62	7,478,417.01
026929AD1	6,939,928.90	-	6,939,928.90	6,722,318.74	(217,610.16)	6,722,318.74	4,774,911.41
03072SPD1	319,295.58	-	319,295.58	298,291.97	(21,003.61)	298,291.97	235,286.54
040104QN4	2,426,705.81	-	2,426,705.81	2,331,964.02	(94,741.79)	2,331,964.02	1,807,560.64
040104RV5	1,727,754.49	-	1,727,754.49	1,691,200.14	(36,554.35)	1,691,200.14	1,474,364.84
055294AA0	2,486,190.72	-	2,486,190.72	2,338,711.82	(147,478.90)	2,338,711.82	2,131,805.20
05946XYP2	814,454.58	-	814,454.58	801,728.32	(12,726.26)	801,728.32	623,560.88
05948JAA0	258,465.04	-	258,465.04	252,159.50	(6,305.54)	252,159.50	235,148.74
05949ALH1	1,739,997.75	-	1,739,997.75	1,711,220.52	(28,777.23)	1,711,220.52	1,685,675.46
06652DAA7	5,308,816.43	-	5,308,816.43	4,942,102.09	(366,714.34)	4,942,102.09	3,588,766.66
07325YAB4	2,314,376.08	-	2,314,376.08	2,140,832.06	(173,544.02)	2,140,832.06	974,417.28
07384MS60	853,025.55	-	853,025.55	831,445.04	(21,580.51)	831,445.04	869,013.36
07384MW40	93,855.24	-	93,855.24	90,225.37	(3,629.87)	90,225.37	87,226.52
07384YCD6	4,712,263.70	-	4,712,263.70	4,700,372.07	(11,891.63)	4,700,372.07	4,622,443.03
073854AB7	11,646,801.16	-	11,646,801.16	11,090,325.43	(556,475.73)	11,090,325.43	8,251,368.05
07386HKS9	365,230.85	-	365,230.85	356,757.26	(8,473.59)	356,757.26	284,341.97
07386HSP7	5,001,191.32	-	5,001,191.32	4,814,088.09	(187,103.23)	4,814,088.09	3,538,709.24
073879PA0	1,325,589.72	-	1,325,589.72	1,070,146.74	(255,442.98)	1,070,146.74	1,192,698.90
073879Z92	8,269,046.89	-	8,269,046.89	7,304,182.97	(964,863.92)	7,304,182.97	4,642,737.08
07400XAB4	2,493,410.68	-	2,493,410.68	2,219,747.35	(273,663.33)	2,219,747.35	1,736,454.28
07401LAA1	10,985,395.03	-	10,985,395.03	10,748,110.46	(237,284.57)	10,748,110.46	8,005,394.60
07820QAY1	10,959,891.90	-	10,959,891.90	10,746,714.17	(213,177.73)	10,746,714.17	8,482,106.39
078446AB7	90,796.00	-	90,796.00	87,400.00	(3,396.00)	87,400.00	79,000.00
12489WQE7	1,401,150.00	-	1,401,150.00	1,280,293.44	(120,856.56)	1,280,293.44	1,069,498.20
1248MGAJ3	60,091.11	-	60,091.11	59,425.51	(665.60)	59,425.51	38,234.58
1248RHAD9	4,325,510.23	-	4,325,510.23	4,134,659.67	(190,850.56)	4,134,659.67	2,774,406.69
126670KN7	1,600,602.33	-	1,600,602.33	1,575,180.03	(25,422.30)	1,575,180.03	1,063,851.00

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
12667GME0	\$ 13,713,436.77	\$ -	\$ 13,713,436.77	\$ 13,278,268.12	\$ (435,168.65)	\$ 13,278,268.12	\$ 9,721,775.02
12667GS20	10,264,427.49	-	10,264,427.49	9,940,807.95	(323,619.54)	9,940,807.95	7,946,417.99
12667GWF6	5,429,128.20	-	5,429,128.20	5,252,471.01	(176,657.19)	5,252,471.01	4,487,864.92
12668ACZ6	2,886,654.48	-	2,886,654.48	2,793,497.18	(93,157.30)	2,793,497.18	2,183,933.81
12668AEV3	9,203,882.37	-	9,203,882.37	9,081,174.15	(122,708.22)	9,081,174.15	7,186,527.46
12668BB77	18,649,318.82	-	18,649,318.82	18,132,784.56	(516,534.26)	18,132,784.56	14,394,804.84
12668BDC4	3,983,835.93	-	3,983,835.93	3,891,591.79	(92,244.14)	3,891,591.79	3,609,084.51
12668BE33	11,642,199.60	-	11,642,199.60	11,317,250.91	(324,948.69)	11,317,250.91	8,736,563.82
12669N46	262,895.68	-	262,895.68	252,818.21	(10,077.47)	252,818.21	190,328.98
12669FW82	902,300.53	-	902,300.53	895,243.26	(7,057.27)	895,243.26	706,675.89
12669FXR9	388,655.33	-	388,655.33	380,989.81	(7,665.52)	380,989.81	320,831.24
12669GKH3	10,051,971.22	-	10,051,971.22	10,021,811.07	(30,160.15)	10,021,811.07	8,503,256.03
12669GTV3	272,122.68	-	272,122.68	271,005.37	(1,117.31)	271,005.37	228,275.79
14453MAB0	7,217,252.91	-	7,217,252.91	6,889,100.18	(328,152.73)	6,889,100.18	5,158,938.30
14454AAB5	2,207,453.83	-	2,207,453.83	2,117,514.50	(89,939.33)	2,117,514.50	1,279,345.96
22540VG71	140,062.06	-	140,062.06	139,978.41	(83.65)	139,978.41	139,073.65
22541SXR4	1,709,465.06	-	1,709,465.06	1,492,820.18	(216,644.88)	1,492,820.18	1,299,062.20
22943HAD8	7,131,103.11	-	7,131,103.11	6,646,084.16	(485,018.95)	6,646,084.16	3,357,660.00
23243AAD8	805,944.91	-	805,944.91	797,018.74	(8,926.17)	797,018.74	597,992.38
23245QAA7	1,727,753.59	-	1,727,753.59	1,718,025.90	(9,727.69)	1,718,025.90	1,363,739.28
23321P6A1	6,609,224.73	-	6,609,224.73	6,562,473.22	(46,751.51)	6,562,473.22	6,500,654.87
23332UAC8	3,551,216.74	-	3,551,216.74	3,514,316.65	(36,900.09)	3,514,316.65	3,555,674.27
23332UAR5	7,518,876.78	-	7,518,876.78	7,360,807.33	(158,069.45)	7,360,807.33	6,455,329.52
23332UBG8	4,994,451.88	-	4,994,451.88	4,968,649.39	(25,802.49)	4,968,649.39	4,227,393.48
23332UBV5	4,517,713.70	-	4,517,713.70	4,358,310.64	(159,403.06)	4,358,310.64	3,376,201.08
23332UCM4	456,025.18	-	456,025.18	445,483.07	(10,542.11)	445,483.07	338,358.68
23332UDU5	16,243,411.86	-	16,243,411.86	15,734,742.43	(508,669.43)	15,734,742.43	11,971,159.92
23332UFV1	1,191,062.65	-	1,191,062.65	1,149,655.16	(41,407.49)	1,149,655.16	845,614.59
251508AB3	5,676,835.00	-	5,676,835.00	5,357,184.11	(319,650.89)	5,357,184.11	4,158,512.34
251510EH2	27,638,378.13	-	27,638,378.13	27,269,765.52	(368,612.61)	27,269,765.52	27,195,308.59
251510FB4	4,820,200.29	-	4,820,200.29	4,332,693.35	(487,506.94)	4,332,693.35	3,832,205.46
251510NC3	11,965,587.73	-	11,965,587.73	11,776,591.76	(188,995.97)	11,776,591.76	4,585,848.60
32051DV33	403,355.79	-	403,355.79	394,502.16	(8,853.63)	394,502.16	367,733.88
32113JAA3	569,877.88	-	569,877.88	543,309.23	(26,568.65)	543,309.23	376,905.09
32113JBV6	230,051.25	-	230,051.25	176,397.60	(53,653.65)	176,397.60	192,129.00
36185NXT2	268,325.56	-	268,325.56	175,621.66	(92,703.90)	175,621.66	316,221.25
36228F5R3	976,815.96	-	976,815.96	958,484.96	(18,331.00)	958,484.96	807,194.73
36242DBJ1	1,961,689.07	-	1,961,689.07	1,856,689.57	(104,999.50)	1,856,689.57	1,861,498.54
39538RAB5	8,616,986.44	-	8,616,986.44	8,367,596.90	(249,389.54)	8,367,596.90	5,860,543.99
39538RBB4	9,413,913.44	-	9,413,913.44	9,410,984.13	(2,929.31)	9,410,984.13	6,930,842.27
39538WFH6	7,948,985.62	-	7,948,985.62	7,620,162.49	(328,823.13)	7,620,162.49	5,523,915.91
39538WHF8	22,086,753.69	-	22,086,753.69	21,593,651.97	(493,101.72)	21,593,651.97	16,675,698.58
39539GAA0	3,397,104.29	-	3,397,104.29	3,319,866.07	(77,238.22)	3,319,866.07	2,696,913.28
41161PFR9	972,453.93	-	972,453.93	931,971.37	(40,482.56)	931,971.37	869,475.99
41161PHC0	5,976,410.27	-	5,976,410.27	5,859,090.03	(117,320.24)	5,859,090.03	4,998,700.00
41161PKH5	376,603.13	-	376,603.13	370,387.02	(6,216.11)	370,387.02	302,895.91
41161PLR2	9,107,824.64	-	9,107,824.64	9,083,332.79	(24,491.85)	9,083,332.79	7,557,536.03
41161PMG5	11,392,890.83	-	11,392,890.83	11,373,456.98	(19,433.85)	11,373,456.98	8,933,479.26
41161PQU0	9,998,662.15	-	9,998,662.15	9,942,331.46	(56,330.69)	9,942,331.46	7,486,266.01
41161PSK0	3,759,700.11	-	3,759,700.11	3,732,298.23	(27,401.88)	3,732,298.23	2,711,746.87
41161PTN3	1,640,764.05	-	1,640,764.05	1,626,995.41	(13,768.64)	1,626,995.41	1,279,567.67
41161PWB5	5,125,239.88	-	5,125,239.88	5,024,830.39	(100,409.49)	5,024,830.39	3,784,557.48
41161PXH1	605,264.81	-	605,264.81	583,450.59	(21,814.22)	583,450.59	473,512.09
41164LAB5	9,914,403.89	-	9,914,403.89	9,413,003.05	(501,400.84)	9,413,003.05	6,728,155.04
41164YAB7	9,426,071.83	-	9,426,071.83	9,029,263.32	(396,808.51)	9,029,263.32	6,937,074.58
43739EAP2	15,892,294.60	-	15,892,294.60	15,100,129.23	(792,165.37)	15,100,129.23	12,762,626.54
43739EBJ5	7,433,454.10	-	7,433,454.10	7,330,446.41	(103,007.69)	7,330,446.41	5,734,397.77
43739EBS5	7,074,976.18	-	7,074,976.18	6,782,747.49	(292,228.69)	6,782,747.49	6,161,117.75
45071KDD3	967,257.51	-	967,257.51	931,207.00	(36,050.51)	931,207.00	638,192.15
45254NHV2	205,981.14	-	205,981.14	168,142.66	(37,838.48)	168,142.66	192,398.26
45254NJG3	1,033,154.31	-	1,033,154.31	1,032,534.21	(620.10)	1,032,534.21	905,041.20
45254NJV0	826,667.71	-	826,667.71	801,434.34	(25,233.37)	801,434.34	683,358.39

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
45254NKF3	\$ 3,980,458.00	\$ -	\$ 3,980,458.00	\$ 3,906,155.45	\$ (74,302.55)	\$ 3,906,155.45	\$ 3,871,195.69
45254NKX4	4,687,527.42	-	4,687,527.42	4,628,756.97	(58,770.45)	4,628,756.97	3,703,600.29
45254NMB0	916,309.19	-	916,309.19	868,450.30	(47,858.89)	868,450.30	872,999.52
45254NML8	1,273,472.38	-	1,273,472.38	1,247,172.27	(26,300.11)	1,247,172.27	951,222.56
45254NNP8	10,457,506.80	-	10,457,506.80	10,003,436.90	(454,069.90)	10,003,436.90	8,298,478.07
45254NPA9	12,211,454.46	-	12,211,454.46	11,543,544.98	(667,909.48)	11,543,544.98	11,250,393.17
45254NPU5	4,227,084.10	-	4,227,084.10	4,042,808.91	(184,275.19)	4,042,808.91	3,271,167.96
45254TRX4	256,661.45	-	256,661.45	226,757.04	(29,904.41)	226,757.04	215,201.93
45254TSM7	3,025,186.92	-	3,025,186.92	2,841,491.66	(183,695.26)	2,841,491.66	1,928,676.55
452570AA2	41,144.59	-	41,144.59	40,265.04	(879.55)	40,265.04	35,536.27
45257EAA2	3,506,726.63	-	3,506,726.63	3,413,984.55	(92,742.08)	3,413,984.55	2,346,939.42
45660LKW8	20,789,538.85	-	20,789,538.85	20,155,606.62	(633,932.23)	20,155,606.62	15,031,011.94
45660LW96	2,244,719.45	-	2,244,719.45	2,015,936.25	(228,783.20)	2,015,936.25	1,477,893.44
45660LYW3	2,999,030.11	-	2,999,030.11	2,812,862.16	(186,167.95)	2,812,862.16	2,310,276.26
45660N2Y0	995,830.45	-	995,830.45	992,315.54	(3,514.91)	992,315.54	887,542.22
45660N3S2	3,478,437.00	-	3,478,437.00	3,346,920.38	(131,516.62)	3,346,920.38	3,261,927.28
45660N5H4	4,498,604.93	-	4,498,604.93	4,430,000.78	(68,604.15)	4,430,000.78	4,090,846.53
45660NQ24	1,596,170.10	-	1,596,170.10	1,567,652.65	(28,517.45)	1,567,652.65	1,589,921.57
45660NS30	1,878,549.93	-	1,878,549.93	1,823,002.14	(55,547.79)	1,823,002.14	1,428,750.38
466247UG6	1,858,571.15	-	1,858,571.15	1,853,523.72	(5,047.43)	1,853,523.72	1,638,667.84
466247XE8	5,098,878.46	-	5,098,878.46	4,756,829.28	(342,049.18)	4,756,829.28	3,549,572.14
46627MBQ9	9,966,973.52	-	9,966,973.52	9,858,645.79	(108,327.73)	9,858,645.79	7,378,229.89
525221AJ6	2,175,068.95	-	2,175,068.95	2,033,565.98	(141,502.97)	2,033,565.98	1,560,091.15
525221CD7	152,043.25	-	152,043.25	112,050.22	(39,993.03)	112,050.22	66,257.01
525221GB7	19,174.30	-	19,174.30	17,247.88	(1,926.42)	17,247.88	19,075.91
525221GM3	2,560,679.09	-	2,560,679.09	2,537,042.98	(23,636.11)	2,537,042.98	1,798,653.12
525221HA8	18,888,675.30	-	18,888,675.30	18,481,380.29	(407,295.01)	18,481,380.29	12,508,092.40
525226AL0	229,264.31	-	229,264.31	220,591.66	(8,672.65)	220,591.66	96,896.74
52524VAG4	10,574,372.31	-	10,574,372.31	9,921,557.84	(652,814.47)	9,921,557.84	7,061,491.50
52524YAF0	9,034,562.30	-	9,034,562.30	8,596,206.31	(438,355.99)	8,596,206.31	7,300,750.22
55027AAPI	8,813,938.63	-	8,813,938.63	8,630,175.37	(183,763.26)	8,630,175.37	5,914,032.92
55027AAU4	4,526,246.37	-	4,526,246.37	4,517,419.63	(8,826.74)	4,517,419.63	2,780,462.78
55027BAA6	12,285,298.71	-	12,285,298.71	11,784,476.39	(500,822.32)	11,784,476.39	8,040,677.77
55274SAM3	853,764.61	-	853,764.61	809,021.39	(44,743.22)	809,021.39	758,739.12
576433RU2	1,589,222.62	-	1,589,222.62	1,413,288.62	(175,934.00)	1,413,288.62	901,456.80
576433SE7	1,473,558.55	-	1,473,558.55	1,384,619.97	(88,938.58)	1,384,619.97	927,185.40
576433YN0	1,095,009.66	-	1,095,009.66	1,027,252.02	(67,757.64)	1,027,252.02	855,517.53
576438AA3	2,772,874.50	-	2,772,874.50	2,735,452.93	(37,421.57)	2,735,452.93	2,386,350.79
589929E87	717,942.89	-	717,942.89	286,243.10	(431,699.79)	286,243.10	630,250.68
589929N38	1,243,884.27	-	1,243,884.27	1,241,259.14	(2,625.13)	1,241,259.14	1,231,075.05
59020UAC9	816,907.77	-	816,907.77	805,228.23	(11,679.54)	805,228.23	805,277.49
59020UGT6	545,474.33	-	545,474.33	535,964.36	(9,509.97)	535,964.36	517,393.38
59020UQ57	3,310,924.04	-	3,310,924.04	3,189,539.48	(121,384.56)	3,189,539.48	1,971,499.60
59020UUJ2	3,289,666.68	-	3,289,666.68	3,169,216.78	(120,449.90)	3,169,216.78	3,200,045.49
61757MAB4	2,382,559.50	-	2,382,559.50	2,340,336.74	(42,222.76)	2,340,336.74	1,858,918.62
61913PAA0	10,651,097.34	-	10,651,097.34	10,464,364.59	(186,732.75)	10,464,364.59	9,767,517.80
61915RBB1	6,023,633.04	-	6,023,633.04	5,754,605.39	(269,027.65)	5,754,605.39	4,336,296.24
61915RBZ8	669,139.99	-	669,139.99	604,831.35	(64,308.64)	604,831.35	465,167.50
63543VAJ2	40,000.00	-	40,000.00	-	(40,000.00)	-	2,005.00
63543WAH4	20,000.00	-	20,000.00	-	(20,000.00)	-	1,002.50
638728AC9	2,055,699.50	-	2,055,699.50	1,922,163.98	(133,535.52)	1,922,163.98	1,291,147.13
64352VEG2	41,229.63	-	41,229.63	39,516.51	(1,713.12)	39,516.51	35,085.80
65535VRK6	1,336,850.21	-	1,336,850.21	1,227,362.11	(109,488.10)	1,227,362.11	1,178,719.24
65535VUS5	1,912,441.58	-	1,912,441.58	1,592,624.47	(319,817.11)	1,592,624.47	1,115,885.50
65538DAA3	2,022,754.61	-	2,022,754.61	1,972,489.60	(50,265.01)	1,972,489.60	1,485,269.84

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
66987XBV6	\$ 15,740.65	\$ -	\$ 15,740.65	\$ 15,644.39	\$ (96.26)	\$ 15,644.39	\$ 11,266.45
68383NCA9	19,214,216.01	-	19,214,216.01	17,941,351.23	(1,272,864.78)	17,941,351.23	17,175,513.76
68383NCD3	2,836,373.23	-	2,836,373.23	2,733,782.64	(102,590.59)	2,733,782.64	2,211,048.00
68383NCU5	7,029,914.99	-	7,029,914.99	6,727,429.14	(302,485.85)	6,727,429.14	5,826,571.86
68383NDT7	7,181,520.77	-	7,181,520.77	6,898,726.69	(282,794.08)	6,898,726.69	5,018,062.33
69121PDX8	617,481.80	-	617,481.80	604,683.33	(12,798.47)	604,683.33	542,775.54
73316PJD3	18,605.09	-	18,605.09	17,713.45	(891.64)	17,713.45	16,406.54
74922AAA5	12,679,252.17	-	12,679,252.17	11,642,687.30	(1,036,564.87)	11,642,687.30	5,911,267.00
75114GAC3	16,312,860.13	-	16,312,860.13	16,016,842.11	(296,018.02)	16,016,842.11	10,955,918.68
75114HAK3	5,022,189.36	-	5,022,189.36	4,507,828.16	(514,361.20)	4,507,828.16	2,242,032.56
75114NAA2	7,298,612.09	-	7,298,612.09	7,003,759.73	(294,852.36)	7,003,759.73	6,899,627.44
75114NAB0	2,563,455.57	-	2,563,455.57	2,483,185.89	(80,269.68)	2,483,185.89	2,117,197.82
760985U33	509,676.94	-	509,676.94	475,747.93	(33,929.01)	475,747.93	407,806.95
76110GG62	4,708,994.47	-	4,708,994.47	4,705,536.74	(3,457.73)	4,705,536.74	4,598,768.84
76110GUG4	1,356,218.47	-	1,356,218.47	1,266,983.64	(89,234.83)	1,266,983.64	1,197,582.26
76110GV40	2,587,840.16	-	2,587,840.16	2,564,988.57	(22,851.59)	2,564,988.57	2,587,416.43
76110GYL9	1,197,953.08	-	1,197,953.08	1,181,061.50	(16,891.58)	1,181,061.50	1,150,080.59
76110GZQ7	6,274,801.03	-	6,274,801.03	6,267,825.64	(6,975.39)	6,267,825.64	5,694,009.32
761118FM5	8,786,770.05	-	8,786,770.05	8,718,432.40	(68,337.65)	8,718,432.40	8,459,257.98
761118KU1	5,709,061.61	-	5,709,061.61	5,677,289.27	(31,772.34)	5,677,289.27	4,403,418.36
761118RJ9	335,180.00	-	335,180.00	306,423.01	(28,756.99)	306,423.01	212,662.32
761118WP9	9,538,195.82	-	9,538,195.82	9,269,846.80	(268,349.02)	9,269,846.80	7,311,817.19
79548KXQ6	954,928.14	-	954,928.14	954,084.99	(843.15)	954,084.99	853,419.59
81744FDK0	2,092,138.64	-	2,092,138.64	2,042,181.46	(49,957.18)	2,042,181.46	1,878,537.33
84752CAE7	922,128.17	-	922,128.17	864,026.06	(58,102.11)	864,026.06	532,194.00
863579YR3	5,800,122.84	-	5,800,122.84	5,691,326.40	(108,796.44)	5,691,326.40	4,960,267.50
863580HHX0	850,295.57	-	850,295.57	834,115.33	(16,180.24)	834,115.33	738,737.06
86358R5Q6	130,462.93	-	130,462.93	129,639.51	(823.42)	129,639.51	91,587.39
86359BLB5	1,190,395.59	-	1,190,395.59	1,136,961.18	(53,434.41)	1,136,961.18	1,136,472.19
86359BPM7	1,679,176.04	-	1,679,176.04	1,550,869.89	(128,306.15)	1,550,869.89	1,617,498.90
86359DDB0	1,569,797.63	-	1,569,797.63	1,492,410.51	(77,387.12)	1,492,410.51	1,194,289.20
86359DUL9	171,135.57	-	171,135.57	151,790.39	(19,345.18)	151,790.39	118,450.32
86359DUR6	16,100,641.47	-	16,100,641.47	14,395,351.74	(1,705,289.73)	14,395,351.74	12,057,019.26
86359LRW1	18,217,847.02	-	18,217,847.02	17,552,510.90	(665,336.12)	17,552,510.90	12,611,282.19
86359LSM2	1,179,854.16	-	1,179,854.16	1,171,235.90	(8,618.26)	1,171,235.90	896,557.36
86360JAA9	9,930,486.18	-	9,930,486.18	9,807,786.93	(122,699.25)	9,807,786.93	5,749,101.39
86360JAE1	7,863,883.50	-	7,863,883.50	7,535,234.54	(328,648.96)	7,535,234.54	4,844,021.57
86360JAN1	2,692,201.41	-	2,692,201.41	2,611,682.30	(80,519.11)	2,611,682.30	1,910,187.65
86360KAF5	29,969,985.34	-	29,969,985.34	28,689,583.87	(1,280,401.47)	28,689,583.87	19,075,429.14
86360UAF3	3,512,468.29	-	3,512,468.29	3,406,928.31	(105,539.98)	3,406,928.31	2,551,088.33
86361HAA2	10,860,985.24	-	10,860,985.24	10,625,787.14	(235,198.10)	10,625,787.14	7,684,242.94
86363DAA9	7,729,678.91	-	7,729,678.91	7,586,789.20	(142,889.71)	7,586,789.20	6,116,117.88
88157QAL2	730,636.82	-	730,636.82	688,198.66	(42,438.16)	688,198.66	1,445,388.57
885220FS7	6,244,948.67	-	6,244,948.67	6,115,574.11	(129,374.56)	6,115,574.11	5,915,982.78
92922F4M7	4,100,283.51	-	4,100,283.51	4,038,214.83	(62,068.68)	4,038,214.83	3,146,706.43
92922F5T1	6,891,099.64	-	6,891,099.64	6,762,312.85	(128,786.79)	6,762,312.85	5,418,474.95
92922F7Q5	8,367,286.66	-	8,367,286.66	8,163,617.62	(197,669.04)	8,163,617.62	6,971,923.88
92922FB72	1,137,389.38	-	1,137,389.38	1,129,171.97	(8,217.41)	1,129,171.97	946,584.74
92922FJ25	5,898,980.50	-	5,898,980.50	5,836,627.64	(62,352.86)	5,836,627.64	4,676,644.66
92922FNW4	1,134,371.16	-	1,134,371.16	1,117,835.65	(16,535.51)	1,117,835.65	1,395,404.61
92922FTJ7	1,168,665.75	-	1,168,665.75	1,143,885.94	(24,779.81)	1,143,885.94	1,013,759.76
92922FWU8	3,303,246.56	-	3,303,246.56	3,294,106.06	(9,140.50)	3,294,106.06	3,051,711.28
92922FZF8	7,617,616.38	-	7,617,616.38	7,486,561.21	(131,055.17)	7,486,561.21	6,731,075.80
92925CBB7	3,984,744.80	-	3,984,744.80	3,911,784.26	(72,960.54)	3,911,784.26	3,027,193.79
92977YAY7	2,181,128.20	-	2,181,128.20	2,078,551.98	(102,576.22)	2,078,551.98	435,320.01
92979DAA3	528,185.64	-	528,185.64	503,764.51	(24,421.13)	503,764.51	485,264.03
9393365V1	1,510,356.37	-	1,510,356.37	1,462,513.62	(47,842.75)	1,462,513.62	1,290,442.98
939336X65	10,621,910.39	-	10,621,910.39	10,460,382.36	(161,528.03)	10,460,382.36	9,715,875.92
93934FHC9	7,516,620.41	-	7,516,620.41	7,369,587.44	(147,032.97)	7,369,587.44	5,701,068.93
94983YAQ2	3,327,295.71	-	3,327,295.71	3,281,408.19	(45,887.52)	3,281,408.19	3,223,221.00
984582AA4	1,864,226.41	-	1,864,226.41	1,842,202.41	(22,024.00)	1,842,202.41	1,813,356.38
Totals	\$ 1,095,018,529.18	\$ -	\$ 1,095,018,529.18	\$ 1,058,132,041.09	\$ (36,886,488.09)	\$ 1,058,132,041.09	\$ 841,095,012.78

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

The following is the impairment listing for loan-backed and structured securities for the three months ended December 31, 2011:

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
00104BAF7	\$ 290,000.00	\$ -	\$ 290,000.00	\$ 200,000.00	\$ (90,000.00)	\$ 200,000.00	\$ 197,500.00
004421TD5	1,546,418.44	-	1,546,418.44	1,520,650.48	(25,767.96)	1,520,650.48	824,835.00
02146QAB9	11,452,492.39	-	11,452,492.39	11,361,248.53	(91,243.86)	11,361,248.53	7,866,202.16
02378HAD4	367,332.93	-	367,332.93	337,734.53	(29,598.40)	337,734.53	305,723.66
02660TGN7	7,722,822.75	-	7,722,822.75	7,343,578.95	(379,243.80)	7,343,578.95	4,589,533.38
02660TGS6	6,197,599.53	-	6,197,599.53	6,181,006.28	(16,593.25)	6,181,006.28	3,684,958.07
02660THL0	1,402,810.28	-	1,402,810.28	1,375,244.82	(27,565.46)	1,375,244.82	1,041,592.30
02660TJB0	19,888,768.87	-	19,888,768.87	19,027,573.02	(861,195.85)	19,027,573.02	11,433,612.97
02660WAC0	14,889,748.57	-	14,889,748.57	14,326,373.17	(563,375.40)	14,326,373.17	8,420,384.41
02660XAD6	9,909,777.67	-	9,909,777.67	9,620,776.10	(289,001.57)	9,620,776.10	7,033,543.29
026939AA7	8,314,700.91	-	8,314,700.91	7,761,745.72	(552,955.19)	7,761,745.72	6,803,501.16
040104RV5	1,815,487.74	-	1,815,487.74	1,779,688.34	(35,799.40)	1,779,688.34	1,244,624.23
05946XYP2	858,527.17	-	858,527.17	852,946.85	(5,580.32)	852,946.85	618,596.18
06050HKX5	387,934.12	-	387,934.12	223,453.11	(164,481.01)	223,453.11	275,883.14
06652DAA7	5,653,509.94	-	5,653,509.94	5,451,349.03	(202,160.91)	5,451,349.03	3,141,543.41
07384MS60	946,323.45	-	946,323.45	937,885.49	(8,437.96)	937,885.49	882,516.28
07384MW40	101,794.03	-	101,794.03	98,994.58	(2,799.45)	98,994.58	86,636.87
07384YCD6	5,109,617.42	-	5,109,617.42	5,052,861.49	(56,755.93)	5,052,861.49	4,946,782.61
073854AB7	12,157,202.09	-	12,157,202.09	11,643,369.98	(513,832.11)	11,643,369.98	7,509,572.89
07386HNQ0	1,014,112.70	-	1,014,112.70	953,185.52	(60,927.18)	953,185.52	986,679.13
07386HSP7	5,163,522.20	-	5,163,522.20	5,151,860.98	(11,661.22)	5,151,860.98	3,361,256.11
073879Z92	9,127,954.02	-	9,127,954.02	8,245,583.49	(882,370.53)	8,245,583.49	4,646,352.09
07400XAB4	2,714,019.22	-	2,714,019.22	2,492,413.21	(221,606.01)	2,492,413.21	1,540,926.62
07401LAA1	11,912,911.04	-	11,912,911.04	11,455,305.29	(457,605.75)	11,455,305.29	7,629,910.89
07820QAY1	12,032,870.74	-	12,032,870.74	11,585,273.09	(447,597.65)	11,585,273.09	8,440,267.15
12489WQE7	1,427,514.24	-	1,427,514.24	1,400,940.50	(26,573.74)	1,400,940.50	1,108,303.40
1248MGAJ3	63,896.96	-	63,896.96	62,339.48	(1,557.48)	62,339.48	50,948.40
12498NAB9	672,120.26	-	672,120.26	667,192.58	(4,927.68)	667,192.58	661,207.59
12544EAA5	1,032,794.47	-	1,032,794.47	1,006,182.23	(26,612.24)	1,006,182.23	1,000,439.95
126670KN7	1,673,592.83	-	1,673,592.83	1,587,143.85	(86,448.98)	1,587,143.85	928,449.00
126670NX2	629,920.97	-	629,920.97	598,984.29	(30,936.68)	598,984.29	628,492.32
126670QS0	65,308.35	-	65,308.35	60,154.73	(5,153.62)	60,154.73	62,264.06
126671IU8	55,243.58	-	55,243.58	53,727.58	(1,516.00)	53,727.58	42,073.42
12667GCB7	158,888.66	-	158,888.66	154,659.01	(4,229.65)	154,659.01	110,639.93
12667GME0	14,328,349.06	-	14,328,349.06	14,106,806.02	(221,543.04)	14,106,806.02	9,039,627.79
12667GR62	5,526,850.88	-	5,526,850.88	5,290,622.87	(236,228.01)	5,290,622.87	4,417,377.65
12667GS20	10,828,203.97	-	10,828,203.97	10,581,507.54	(246,696.43)	10,581,507.54	7,003,128.98
12667GWF6	5,961,791.83	-	5,961,791.83	5,584,597.23	(377,194.60)	5,584,597.23	3,785,872.31
12668ACG8	3,334,388.97	-	3,334,388.97	2,975,767.14	(359,221.83)	2,975,767.14	2,907,149.77
12668ACY9	710,246.66	-	710,246.66	616,361.95	(93,884.71)	616,361.95	564,386.87
12668ACZ6	3,158,319.27	-	3,158,319.27	2,995,112.36	(163,206.91)	2,995,112.36	1,729,278.58
12668AEV3	9,660,488.00	-	9,660,488.00	9,502,105.96	(158,382.04)	9,502,105.96	6,458,297.48
12668AGW9	215,254.49	-	215,254.49	213,364.89	(1,889.60)	213,364.89	147,194.78
12668BDC4	4,368,811.57	-	4,368,811.57	4,083,275.98	(285,535.59)	4,083,275.98	3,194,726.07
12668BE33	12,237,495.62	-	12,237,495.62	12,171,201.11	(66,294.51)	12,171,201.11	7,829,824.65
126694N46	3,345,595.12	-	3,345,595.12	2,824,649.71	(520,935.41)	2,824,649.71	3,067,731.20
12669FXR9	410,254.47	-	410,254.47	395,368.17	(14,886.30)	395,368.17	304,010.18
12669GKH3	10,545,309.79	-	10,545,309.79	10,352,747.02	(192,562.77)	10,352,747.02	7,248,298.96
12669GRQ6	5,343,000.43	-	5,343,000.43	5,291,293.60	(51,706.83)	5,291,293.60	4,910,079.83
12669GTV3	282,816.99	-	282,816.99	279,945.17	(2,871.82)	279,945.17	198,880.70
12669GUR0	2,944,056.20	-	2,944,056.20	2,776,388.76	(167,667.44)	2,776,388.76	2,000,194.28
152314MJ6	1,010,344.96	-	1,010,344.96	820,580.41	(189,764.55)	820,580.41	865,075.90
22540VG71	142,416.02	-	142,416.02	142,038.12	(377.90)	142,038.12	140,900.89
22943HAD8	8,483,907.95	-	8,483,907.95	7,120,743.07	(1,363,164.88)	7,120,743.07	4,517,820.00
23245QAA7	1,870,383.26	-	1,870,383.26	1,781,925.02	(88,458.24)	1,781,925.02	1,160,199.25
23321P6A1	7,120,470.73	-	7,120,470.73	7,018,811.72	(101,659.01)	7,018,811.72	6,982,061.95
23332UAC8	3,904,676.74	-	3,904,676.74	3,622,960.98	(281,715.76)	3,622,960.98	3,216,228.55
23332UAR5	8,042,640.20	-	8,042,640.20	7,710,516.83	(332,123.37)	7,710,516.83	5,847,690.31
23332UBG8	5,263,482.84	-	5,263,482.84	5,016,173.22	(247,309.62)	5,016,173.22	3,794,630.78

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
23332UBV5	\$ 4,758,189.71	\$ -	\$ 4,758,189.71	\$ 4,723,676.14	\$ (34,513.57)	\$ 4,723,676.14	\$ 3,020,467.39
23332UCM4	482,401.73	-	482,401.73	462,753.76	(19,647.97)	462,753.76	330,858.24
23332UDU5	17,209,535.70	-	17,209,535.70	16,626,954.38	(582,581.32)	16,626,954.38	10,401,707.71
23332UFV1	1,246,925.88	-	1,246,925.88	1,218,009.68	(28,916.20)	1,218,009.68	772,827.86
251510EH2	28,096,487.64	-	28,096,487.64	28,045,050.16	(51,437.48)	28,045,050.16	26,312,412.76
251510FB4	3,889,890.10	-	3,889,890.10	3,879,344.81	(10,545.29)	3,879,344.81	2,981,443.13
251510NC3	11,998,251.48	-	11,998,251.48	11,939,470.36	(58,781.12)	11,939,470.36	3,231,821.40
30251YAB4	6,821,818.83	-	6,821,818.83	6,722,410.64	(99,408.19)	6,722,410.64	5,278,923.41
32051DCJ9	567,873.90	-	567,873.90	564,800.37	(3,073.53)	564,800.37	539,435.31
32053LAA0	168,781.82	-	168,781.82	162,542.90	(6,238.92)	162,542.90	164,562.26
32056JAA2	151,729.90	-	151,729.90	145,187.12	(6,542.78)	145,187.12	138,736.21
32113JAA3	597,171.91	-	597,171.91	577,362.62	(19,809.29)	577,362.62	367,622.17
36228FC53	830,865.79	-	830,865.79	719,447.10	(111,418.69)	719,447.10	755,146.70
362341VU0	21,642,269.81	-	21,642,269.81	21,108,962.14	(533,307.67)	21,108,962.14	21,499,857.50
36242DBJ1	427,777.96	-	427,777.96	425,057.26	(2,720.70)	425,057.26	422,333.65
36298XAB8	19,002,807.56	-	19,002,807.56	18,625,171.48	(377,636.08)	18,625,171.48	18,219,555.59
39538RAB5	9,304,989.19	-	9,304,989.19	8,826,072.74	(478,916.45)	8,826,072.74	5,738,051.45
39538RBB4	10,128,998.42	-	10,128,998.42	9,632,687.46	(496,310.96)	9,632,687.46	6,646,599.65
39538wFH6	8,543,004.95	-	8,543,004.95	8,162,882.79	(386,122.16)	8,162,882.79	5,178,967.53
39538wHF8	23,489,894.54	-	23,489,894.54	22,622,853.22	(867,041.32)	22,622,853.22	13,769,229.29
39539GAA0	3,582,107.30	-	3,582,107.30	3,480,487.25	(101,620.05)	3,480,487.25	2,374,367.64
41161PFR9	1,033,082.03	-	1,033,082.03	1,029,854.56	(3,227.47)	1,029,854.56	847,612.03
41161PHC0	6,513,447.11	-	6,513,447.11	6,085,959.30	(427,487.81)	6,085,959.30	4,647,189.86
41161PHU0	6,179,446.69	-	6,179,446.69	6,085,207.17	(94,239.52)	6,085,207.17	4,891,633.96
41161PKH5	398,408.65	-	398,408.65	394,205.87	(4,202.78)	394,205.87	264,797.71
41161PLR2	9,608,493.34	-	9,608,493.34	9,373,928.43	(234,564.91)	9,373,928.43	7,065,418.61
41161PMG5	11,965,773.37	-	11,965,773.37	11,740,798.18	(224,375.19)	11,740,798.18	9,134,717.71
41161PQU0	10,639,729.89	-	10,639,729.89	10,361,876.18	(277,853.71)	10,361,876.18	7,084,717.87
41161PSK0	3,899,690.47	-	3,899,690.47	3,835,365.43	(64,325.04)	3,835,365.43	2,896,665.46
41161PTN3	1,726,455.40	-	1,726,455.40	1,680,824.19	(45,631.21)	1,680,824.19	1,162,819.32
41161PWB5	5,433,234.88	-	5,433,234.88	5,264,188.65	(169,046.23)	5,264,188.65	3,417,999.61
41161PXH1	635,491.30	-	635,491.30	616,308.82	(19,182.48)	616,308.82	444,323.95
41164LAB5	10,443,007.70	-	10,443,007.70	10,235,230.71	(213,776.39)	10,235,230.71	6,723,398.30
41164YAB7	9,958,270.74	-	9,958,270.74	9,632,612.85	(325,657.89)	9,632,612.85	6,258,429.56
43739EAP2	16,575,973.30	-	16,575,973.30	16,187,293.48	(388,679.82)	16,187,293.48	10,405,726.23
45071KDD3	1,086,382.12	-	1,086,382.12	1,059,550.60	(26,831.52)	1,059,550.60	745,093.48
45254NHV2	224,089.33	-	224,089.33	209,941.80	(14,147.53)	209,941.80	193,979.45
45254NJY0	867,029.04	-	867,029.04	850,377.46	(16,651.58)	850,377.46	681,335.15
45254NKF3	4,230,253.82	-	4,230,253.82	4,075,133.53	(155,120.29)	4,075,133.53	3,791,309.83
45254NMB0	975,328.92	-	975,328.92	932,473.13	(42,855.79)	932,473.13	793,129.67
45254NML8	1,322,330.29	-	1,322,330.29	1,293,159.75	(29,170.54)	1,293,159.75	925,528.46
45254NNP8	10,735,821.01	-	10,735,821.01	10,652,269.05	(83,551.96)	10,652,269.05	8,014,093.27
45254NPA9	12,692,475.65	-	12,692,475.65	12,385,091.91	(307,383.74)	12,385,091.91	10,418,439.77
45254NPU5	4,430,090.91	-	4,430,090.91	4,293,231.61	(136,859.30)	4,293,231.61	3,402,629.51
45254TRX4	285,240.20	-	285,240.20	258,108.03	(7,132.17)	258,108.03	177,037.44
45660LCN7	4,057,429.37	-	4,057,429.37	3,913,813.54	(143,615.83)	3,913,813.54	3,689,459.26
45660LKW8	21,908,347.51	-	21,908,347.51	21,298,027.60	(610,319.91)	21,298,027.60	13,584,806.77
45660N2J3	2,220,485.94	-	2,220,485.94	2,021,428.12	(199,057.82)	2,021,428.12	1,969,493.75
45660N2Y0	1,017,882.52	-	1,017,882.52	1,001,489.22	(16,393.30)	1,001,489.22	793,003.49
45660N5H4	4,324,034.48	-	4,324,034.48	4,269,797.16	(54,237.32)	4,269,797.16	3,196,502.02
45660NQ24	1,970,446.46	-	1,970,446.46	1,968,799.95	(1,646.51)	1,968,799.95	1,795,440.64
45660NS30	1,157,717.89	-	1,157,717.89	1,150,501.82	(7,216.07)	1,150,501.82	896,223.95
45661EAA2	235,697.52	-	235,697.52	226,316.19	(9,381.33)	226,316.19	214,425.81
466247XE8	5,390,729.34	-	5,390,729.34	5,333,873.02	(56,856.32)	5,333,873.02	3,378,889.69
525221AJ6	2,261,175.96	-	2,261,175.96	2,216,676.56	(44,499.40)	2,216,676.56	1,517,007.01
525221GM3	2,732,081.65	-	2,732,081.65	2,649,357.67	(82,723.98)	2,649,357.67	1,619,667.37
525221HA8	20,207,345.18	-	20,207,345.18	19,668,821.93	(538,523.25)	19,668,821.93	10,939,984.17
52524VAG4	11,062,404.37	-	11,062,404.37	10,838,351.72	(224,052.65)	10,838,351.72	7,050,647.53
52524YAF0	9,665,927.77	-	9,665,927.77	9,379,652.95	(286,274.82)	9,379,652.95	6,147,462.85
55027AAR1	9,295,635.13	-	9,295,635.13	9,213,079.35	(82,555.78)	9,213,079.35	6,032,918.95
55027BAA6	13,108,293.41	-	13,108,293.41	12,665,836.46	(442,456.95)	12,665,836.46	6,968,458.74
55274SAM3	906,915.51	-	906,915.51	880,480.09	(26,435.42)	880,480.09	752,034.62
576433G42	7,024,024.64	-	7,024,024.64	6,885,577.88	(138,446.76)	6,885,577.88	4,314,806.39
576433H33	3,261,825.29	-	3,261,825.29	3,174,754.27	(87,071.02)	3,174,754.27	3,133,978.43
57643LMP8	1,698,761.89	-	1,698,761.89	1,516,916.66	(181,845.23)	1,516,916.66	1,006,686.00
589929N38	618,843.60	-	618,843.60	607,180.29	(11,663.31)	607,180.29	583,261.22
589929X29	3,890,489.13	-	3,890,489.13	3,887,953.67	(2,535.46)	3,887,953.67	3,359,229.48
59020UAA3	154,092.84	-	154,092.84	152,882.12	(1,210.72)	152,882.12	147,716.07
59020UAC9	805,983.42	-	805,983.42	803,847.98	(2,135.44)	803,847.98	729,547.23
59020UN24	1,413,542.51	-	1,413,542.51	1,384,820.01	(28,722.50)	1,384,820.01	1,305,590.00
61749LAN1	495,108.38	-	495,108.38	426,403.81	(68,704.57)	426,403.81	483,109.45

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
617526AE8	\$ 298,458.27	\$ -	\$ 298,458.27	\$ 247,896.75	\$ (50,561.52)	\$ 247,896.75	\$ 201,593.54
61913PAA0	11,417,672.54	-	11,417,672.54	10,888,133.59	(529,538.95)	10,888,133.59	9,819,940.36
61915RBB1	6,273,000.31	-	6,273,000.31	6,124,189.76	(148,810.55)	6,124,189.76	3,779,577.22
638728AC9	2,174,025.70	-	2,174,025.70	2,120,248.36	(53,777.34)	2,120,248.36	1,283,453.97
64352VEG2	53,328.05	-	53,328.05	41,302.27	(12,025.78)	41,302.27	34,820.40
66987XBV6	16,520.30	-	16,520.30	16,470.43	(49.87)	16,470.43	11,703.64
68383NCU5	7,282,554.24	-	7,282,554.24	7,235,682.42	(46,871.82)	7,235,682.42	5,207,209.31
73316PJD3	20,976.16	-	20,976.16	19,251.21	(1,724.95)	19,251.21	20,415.57
74922AAA5	13,117,398.44	-	13,117,398.44	13,117,398.44	-	13,117,398.44	7,547,875.59
75114GAC3	17,258,298.59	-	17,258,298.59	16,957,780.52	(300,518.07)	16,957,780.52	10,592,845.95
75114HAD8	15,985,299.98	-	15,985,299.98	15,385,859.62	(539,440.36)	15,385,859.62	9,711,227.61
75114HAK3	5,111,412.15	-	5,111,412.15	4,881,961.31	(229,450.84)	4,881,961.31	1,486,628.18
760985U33	509,393.37	-	509,393.37	509,070.17	(323.20)	509,070.17	401,596.46
76110GE23	5,017,971.92	-	5,017,971.92	4,955,217.15	(62,754.77)	4,955,217.15	4,576,649.54
76110GG62	5,026,755.12	-	5,026,755.12	4,991,211.22	(35,543.90)	4,991,211.22	4,874,911.35
76110GV40	2,783,024.62	-	2,783,024.62	2,642,100.56	(140,924.06)	2,642,100.56	2,621,644.63
76110GZQ7	6,790,133.51	-	6,790,133.51	6,546,910.11	(243,223.40)	6,546,910.11	5,967,525.57
761118KU1	6,008,078.81	-	6,008,078.81	5,885,056.06	(123,022.75)	5,885,056.06	3,864,201.42
761118NN4	8,315,435.99	-	8,315,435.99	8,153,140.66	(156,295.33)	8,153,140.66	5,395,099.87
761118PM2	16,560,034.61	-	16,560,034.61	16,205,072.57	(354,962.04)	16,205,072.57	10,347,725.81
77277LAF4	40,976,607.92	-	40,976,607.92	39,517,587.12	(1,459,020.80)	39,517,587.12	25,106,760.00
77277LAH0	2,035,845.16	-	2,035,845.16	1,964,959.14	(70,886.02)	1,964,959.14	2,426,111.99
77277LAJ6	28,822,879.15	-	28,822,879.15	27,814,860.58	(1,008,018.57)	27,814,860.58	15,798,887.97
79548KXQ6	1,495,470.74	-	1,495,470.74	1,490,425.94	(5,044.80)	1,490,425.94	1,318,982.77
805564RM5	3,431,895.26	-	3,431,895.26	2,858,398.98	(573,496.28)	2,858,398.98	2,577,847.11
85554NAG5	1,149,005.80	-	1,149,005.80	1,074,369.95	(74,635.85)	1,074,369.95	1,112,280.44
8635722A0	213,401.28	-	213,401.28	183,019.29	(30,381.99)	183,019.29	184,712.67
863579CB2	4,505,670.30	-	4,505,670.30	4,010,269.07	(495,401.23)	4,010,269.07	4,491,455.53
86358HHX0	934,544.89	-	934,544.89	881,801.84	(52,743.05)	881,801.84	766,260.98
86358R3Q8	1,109,716.83	-	1,109,716.83	1,086,821.24	(22,895.59)	1,086,821.24	1,105,869.67
86358RPQ83	140,984.59	-	140,984.59	139,518.81	(1,465.78)	139,518.81	114,478.24
86359AEH2	22,878.66	-	22,878.66	15,088.67	(7,789.99)	15,088.67	17,036.99
86359BKB6	901,519.44	-	901,519.44	890,541.79	(10,977.65)	890,541.79	882,377.13
86359BLB5	1,236,421.78	-	1,236,421.78	1,214,880.93	(21,540.85)	1,214,880.93	1,047,933.98
86359BPM7	1,697,008.90	-	1,697,008.90	1,677,712.85	(19,296.05)	1,677,712.85	1,471,420.81
86359DDB0	1,720,052.55	-	1,720,052.55	1,557,773.74	(162,278.81)	1,557,773.74	1,008,171.00
86359DUL9	182,619.56	-	182,619.56	177,929.38	(4,690.18)	177,929.38	130,899.00
86359LRW1	19,283,246.92	-	19,283,246.92	18,854,133.13	(429,113.79)	18,854,133.13	12,078,962.49
86359LSM2	1,229,392.32	-	1,229,392.32	1,221,421.18	(7,971.14)	1,221,421.18	797,783.92
86360JAA9	10,678,598.80	-	10,678,598.80	10,110,663.03	(567,935.77)	10,110,663.03	5,665,225.53
86360JAE1	8,083,947.71	-	8,083,947.71	7,968,904.60	(115,043.11)	7,968,904.60	5,199,107.01
86360UAF3	3,679,934.99	-	3,679,934.99	3,657,014.40	(22,920.59)	3,657,014.40	2,342,230.10
86361HAA2	11,498,036.76	-	11,498,036.76	11,228,014.28	(270,022.48)	11,228,014.28	7,105,230.74
86361HAB0	7,245,471.81	-	7,245,471.81	6,677,265.79	(568,206.02)	6,677,265.79	6,376,092.75
86363DAA9	8,341,915.82	-	8,341,915.82	7,940,221.38	(401,694.44)	7,940,221.38	5,860,750.26
885220FS7	6,795,813.69	-	6,795,813.69	6,700,333.14	(95,480.55)	6,700,333.14	5,924,957.27
929227QB5	216,049.73	-	216,049.73	197,161.22	(18,888.51)	197,161.22	205,696.07
92922F4M7	4,304,379.27	-	4,304,379.27	4,200,000.14	(104,379.13)	4,200,000.14	3,057,226.29
92922F5T1	7,185,795.39	-	7,185,795.39	7,025,768.14	(160,027.25)	7,025,768.14	5,003,926.25
92922F7Q5	8,971,978.46	-	8,971,978.46	8,646,636.70	(325,341.76)	8,646,636.70	6,268,400.14
92922FB72	1,174,068.37	-	1,174,068.37	1,155,765.56	(18,302.81)	1,155,765.56	850,774.90
92922FJ25	6,121,694.09	-	6,121,694.09	6,046,585.33	(75,108.76)	6,046,585.33	4,353,868.94
92922FNW4	1,192,216.02	-	1,192,216.02	1,176,012.07	(16,203.95)	1,176,012.07	1,321,844.30
92922FTJ7	1,233,564.94	-	1,233,564.94	1,210,352.93	(23,212.01)	1,210,352.93	974,061.94
92922FWU8	3,540,323.48	-	3,540,323.48	3,390,238.86	(150,084.62)	3,390,238.86	2,849,678.72
92922FZF8	8,125,751.26	-	8,125,751.26	7,801,971.37	(323,779.89)	7,801,971.37	6,075,249.66
92925CBB7	4,188,635.02	-	4,188,635.02	4,096,642.85	(91,992.17)	4,096,642.85	3,033,957.41
92925VAM2	616,737.54	-	616,737.54	597,598.02	(19,139.52)	597,598.02	548,628.09
92926SAE6	725,416.21	-	725,416.21	680,038.47	(45,377.74)	680,038.47	615,701.52
92979DAA3	537,331.46	-	537,331.46	523,333.07	(13,998.39)	523,333.07	437,747.24
9393365V1	1,560,697.73	-	1,560,697.73	1,549,341.13	(11,356.60)	1,549,341.13	1,431,792.71
939336KZ5	2,341,996.35	-	2,341,996.35	2,334,363.48	(7,632.87)	2,334,363.48	2,055,619.32
939336X65	11,157,951.25	-	11,157,951.25	10,874,647.01	(283,304.24)	10,874,647.01	8,432,485.02
93934FHC9	7,712,919.25	-	7,712,919.25	7,699,609.07	(13,310.18)	7,699,609.07	5,318,460.28
949810AA3	566,424.05	-	566,424.05	546,485.91	(19,938.14)	546,485.91	552,653.69
94981UAF6	131,272.34	-	131,272.34	120,555.74	(10,716.60)	120,555.74	126,792.75
984582AA4	469,929.99	-	469,929.99	457,191.65	(12,738.34)	457,191.65	447,475.99
Totals	\$ 1,090,082,493.62	\$ -	\$ 1,090,082,493.62	\$ 1,055,870,746.62	\$ (34,211,747.00)	\$ 1,055,870,746.62	\$ 753,328,460.77

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

The following is the impairment listing for loan-backed and structured securities for the three months ended September 30, 2011:

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
00104BAF7	\$ 355,000.00	\$ -	\$ 355,000.00	\$ 290,000.00	\$ (65,000.00)	\$ 290,000.00	\$ 285,000.00
02146QAB9	12,032,384.34	-	12,032,384.34	11,850,302.56	(182,081.78)	11,850,302.56	8,273,272.97
02146TAQ0	17,912,916.56	-	17,912,916.56	16,693,633.85	(121,282.71)	16,693,633.85	15,861,675.53
02147CAA1	8,190,222.89	-	8,190,222.89	7,939,110.94	(251,111.95)	7,939,110.94	6,096,652.75
02147DAB7	10,161,163.88	-	10,161,163.88	10,078,483.46	(82,680.42)	10,078,483.46	6,914,174.36
02660TJB0	20,555,478.37	-	20,555,478.37	20,347,778.08	(207,700.29)	20,347,778.08	12,585,211.89
026929AD1	8,030,886.70	-	8,030,886.70	7,394,102.16	(636,784.54)	7,394,102.16	5,256,697.03
040104QN4	3,081,243.14	-	3,081,243.14	2,932,821.41	(148,421.73)	2,932,821.41	2,211,252.01
040104RV5	2,149,830.76	-	2,149,830.76	1,896,624.45	(253,206.31)	1,896,624.45	1,179,460.79
055294AA0	2,742,261.38	-	2,742,261.38	2,733,334.33	(8,927.05)	2,733,334.33	2,124,984.49
05946XYP2	911,601.67	-	911,601.67	887,990.95	(23,610.72)	887,990.95	634,778.52
05948ALH1	2,151,644.79	-	2,151,644.79	2,136,047.25	(15,597.54)	2,136,047.25	2,013,913.79
06050HKX5	555,677.56	-	555,677.56	391,850.36	(163,827.20)	391,850.36	275,336.82
06652DAA7	6,077,835.07	-	6,077,835.07	5,757,188.52	(320,646.55)	5,757,188.52	3,826,160.28
07325VAG9	2,046,242.08	-	2,046,242.08	1,991,505.51	(54,736.57)	1,991,505.51	1,745,162.36
07384MX29	1,361,810.63	-	1,361,810.63	1,352,743.46	(9,067.17)	1,352,743.46	1,248,649.19
07384MS60	1,104,612.98	-	1,104,612.98	1,101,308.59	(3,304.39)	1,101,308.59	1,059,508.44
07385AB7	12,695,390.34	-	12,695,390.34	11,906,518.33	(788,872.01)	11,906,518.33	8,147,292.87
073879PA0	1,573,350.01	-	1,573,350.01	1,479,316.14	(94,033.87)	1,479,316.14	938,382.90
073879Z2	9,514,139.04	-	9,514,139.04	8,989,749.85	(524,389.19)	8,989,749.85	4,663,130.93
07387AFX8	457,361.06	-	457,361.06	433,935.98	(23,425.08)	433,935.98	441,839.32
07401LAA1	12,276,860.81	-	12,276,860.81	12,136,177.26	(140,683.55)	12,136,177.26	8,418,287.41
07401LAQ6	2,821,485.52	-	2,821,485.52	2,760,350.78	(6134.74)	2,760,350.78	2,161,391.82
078446AB7	106,000.00	-	106,000.00	90,796.00	(15,204.00)	90,796.00	96,000.00
1248MGAJ3	70,790.89	-	70,790.89	66,267.71	(4,523.18)	66,267.71	49,228.91
12498NAB9	728,683.92	-	728,683.92	710,315.56	(18,368.36)	710,315.56	679,973.64
126670KN7	1,732,271.79	-	1,732,271.79	1,660,075.67	(72,196.12)	1,660,075.67	914,733.00
126673WB4	492,654.93	-	492,654.93	476,894.95	(15,759.98)	476,894.95	470,107.79
12667GCB7	169,287.19	-	169,287.19	164,795.22	(4,491.97)	164,795.22	122,499.65
12667GS20	11,646,736.57	-	11,646,736.57	11,089,514.67	(557,221.90)	11,089,514.67	7,317,781.72
12667GWF6	6,438,343.28	-	6,438,343.28	6,207,410.09	(230,933.19)	6,207,410.09	4,282,323.80
12667GYX5	1,032,401.67	-	1,032,401.67	798,077.21	(234,324.46)	798,077.21	961,743.25
12668BE33	12,873,661.44	-	12,873,661.44	12,655,782.02	(217,879.42)	12,655,782.02	9,029,638.43
12668BEH2	801,730.55	-	801,730.55	753,680.93	(48,049.62)	753,680.93	760,403.72
12669FW82	963,882.87	-	963,882.87	956,051.21	(7,831.66)	956,051.21	763,113.56
12669GKH3	11,070,655.27	-	11,070,655.27	10,821,345.82	(249,309.45)	10,821,345.82	8,435,950.92
12669GMS7	187,439.13	-	187,439.13	186,583.68	(855.45)	186,583.68	167,407.46
12669GRM5	2,381,686.60	-	2,381,686.60	2,337,315.68	(44,370.92)	2,337,315.68	1,664,932.90
12669GRQ6	5,867,340.96	-	5,867,340.96	5,720,021.02	(147,319.94)	5,720,021.02	5,269,585.71
12669GTV3	302,649.28	-	302,649.28	289,237.92	(13,411.36)	289,237.92	221,846.36
12669GUR0	3,154,848.17	-	3,154,848.17	3,013,751.26	(141,096.91)	3,013,751.26	2,110,912.61
14453MAB0	8,366,400.29	-	8,366,400.29	8,143,712.87	(222,687.42)	8,143,712.87	6,076,084.91
17311YAC7	2,389,577.54	-	2,389,577.54	2,365,142.09	(24,435.45)	2,365,142.09	2,003,923.25
22540VG71	144,135.24	-	144,135.24	144,006.39	(128.85)	144,006.39	142,405.44
22540VY55	154,848.81	-	154,848.81	153,043.38	(1,805.43)	153,043.38	125,379.04
22943HAD8	8,930,536.31	-	8,930,536.31	8,559,212.93	(371,323.39)	8,559,212.93	4,859,925.00
23243AAD8	910,919.35	-	910,919.35	900,594.54	(10,324.81)	900,594.54	667,968.15
23321P6A1	3,904,177.62	-	3,904,177.62	3,903,386.18	(791.44)	3,903,386.18	3,814,846.35
23332UBV5	5,006,024.34	-	5,006,024.34	4,845,487.38	(160,536.96)	4,845,487.38	3,320,926.51
23332UCM4	489,157.25	-	489,157.25	484,521.05	(4,636.20)	484,521.05	336,415.99
251508AB3	6,716,113.69	-	6,716,113.69	5,838,739.88	(877,373.81)	5,838,739.88	4,164,503.30
251510FB4	5,175,183.65	-	5,175,183.65	5,052,929.38	(122,254.27)	5,052,929.38	4,363,316.65
32113JAA3	622,764.25	-	622,764.25	606,682.43	(16,081.76)	606,682.43	386,977.37
32113JBV6	252,753.95	-	252,753.95	228,621.65	(24,132.30)	228,621.65	198,878.00
36228FC53	927,018.69	-	927,018.69	876,662.22	(50,356.47)	876,662.22	795,524.33
362290AC2	1,315,082.42	-	1,315,082.42	970,668.69	(344,413.73)	970,668.69	1,249,565.64
362480AD7	10,920,725.53	-	10,920,725.53	10,190,750.28	(729,975.25)	10,190,750.28	6,771,946.36
36298XAB8	19,540,101.49	-	19,540,101.49	19,356,084.89	(184,016.60)	19,356,084.89	18,688,392.80
39538RBB4	10,621,455.73	-	10,621,455.73	10,357,148.10	(264,307.63)	10,357,148.10	6,833,433.32
39539GA40	3,745,859.77	-	3,745,859.77	3,693,394.38	(52,465.39)	3,693,394.38	2,762,707.79
41161PFR3	1,057,421.82	-	1,057,421.82	1,043,222.96	(8,198.86)	1,043,222.96	880,583.81
41161PHU0	6,434,985.19	-	6,434,985.19	6,321,068.34	(113,916.85)	6,321,068.34	5,082,846.18
41161PKH5	428,607.22	-	428,607.22	417,973.63	(10,633.59)	417,973.63	298,610.43
41161PLR2	10,208,554.57	-	10,208,554.57	9,931,349.39	(277,205.18)	9,931,349.39	7,369,950.14
41161PMG5	12,686,469.66	-	12,686,469.66	12,253,773.73	(432,695.93)	12,253,773.73	9,207,070.40
41161PSK0	4,072,927.86	-	4,072,927.86	4,054,365.85	(18,562.01)	4,054,365.85	3,112,909.78
41164YAB7	10,228,700.53	-	10,228,700.53	10,108,870.61	(119,829.32)	10,108,870.61	6,763,548.54
43739EAP2	16,762,173.85	-	16,762,173.85	16,754,383.79	(7,790.06)	16,754,383.79	11,547,347.43
43739EBJ5	7,818,708.26	-	7,818,708.26	7,708,379.95	(110,328.31)	7,708,379.95	5,582,406.29
43739EBS5	7,495,471.91	-	7,495,471.91	7,360,184.77	(135,287.14)	7,360,184.77	5,928,566.53
45071KDD3	1,228,116.77	-	1,228,116.77	1,170,289.65	(57,827.12)	1,170,289.65	747,163.15
45254MJV0	898,086.12	-	898,086.12	888,802.85	(9,283.27)	888,802.85	686,735.70
45254NMB0	1,011,350.40	-	1,011,350.40	990,574.51	(20,775.89)	990,574.51	819,498.77
45254NML8	1,361,465.84	-	1,361,465.84	1,349,261.53	(12,204.31)	1,349,261.53	949,172.61

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
45254NPA9	\$ 13,078,947.98	\$ -	\$ 13,078,947.98	\$ 12,864,037.94	\$ (214,910.04)	\$ 12,864,037.94	\$ 11,036,655.21
45254NPU5	4,557,944.28	-	4,557,944.28	4,491,215.04	(66,729.24)	4,491,215.04	3,435,163.55
45254TRX4	289,648.82	-	289,648.82	268,982.89	(20,665.93)	268,982.89	184,567.75
45254TSM7	3,185,175.16	-	3,185,175.16	3,178,237.32	(6,937.84)	3,178,237.32	1,802,643.77
45660LKW8	22,789,501.37	-	22,789,501.37	22,157,937.38	(631,563.99)	22,157,937.38	14,182,598.88
45660LW96	2,821,627.31	-	2,821,627.31	2,302,696.11	(518,931.20)	2,302,696.11	1,645,942.74
45660LYW3	2,839,935.89	-	2,839,935.89	2,675,191.85	(164,744.04)	2,675,191.85	1,808,335.06
45660N5H4	2,548,236.34	-	2,548,236.34	2,494,498.56	(53,737.78)	2,494,498.56	2,192,321.21
45660NQ24	2,006,313.51	-	2,006,313.51	1,977,589.40	(28,724.11)	1,977,589.40	1,854,995.67
466247XE8	5,663,043.17	-	5,663,043.17	5,468,140.48	(194,902.69)	5,468,140.48	3,478,749.59
46627MBQ9	10,520,931.04	-	10,520,931.04	10,382,860.24	(138,070.80)	10,382,860.24	7,343,157.84
525221AJ6	2,364,660.32	-	2,364,660.32	2,303,545.55	(61,114.77)	2,303,545.55	1,462,798.21
525221CD7	199,143.11	-	199,143.11	140,273.81	(58,869.30)	140,273.81	73,244.54
525221EN3	7,615,159.04	-	7,615,159.04	6,810,706.64	(804,452.40)	6,810,706.64	5,780,485.70
525221GB7	21,306.89	-	21,306.89	19,942.84	(1,364.05)	19,942.84	17,621.17
525221GM3	2,893,816.76	-	2,893,816.76	2,770,940.92	(122,875.84)	2,770,940.92	1,745,499.88
525221HA8	20,311,816.98	-	20,311,816.98	20,218,739.56	(93,077.42)	20,218,739.56	12,212,406.28
52524YAF0	10,165,923.50	-	10,165,923.50	9,936,997.51	(228,925.99)	9,936,997.51	6,413,146.30
55027AAR1	9,939,205.47	-	9,939,205.47	9,460,015.29	(479,190.18)	9,460,015.29	6,284,640.75
55027AAU4	5,014,593.61	-	5,014,593.61	4,727,808.64	(286,784.97)	4,727,808.64	3,669,394.89
55027BAA6	13,695,897.92	-	13,695,897.92	13,402,622.86	(293,275.06)	13,402,622.86	7,785,098.29
55274SAM3	958,260.89	-	958,260.89	936,771.00	(21,489.89)	936,771.00	800,319.19
576433WZ5	2,173,624.29	-	2,173,624.29	1,797,224.58	(376,399.71)	1,797,224.58	2,110,996.68
576438AA3	2,986,331.41	-	2,986,331.41	2,904,333.95	(81,997.48)	2,904,333.95	2,292,462.90
57643LMP8	1,768,401.20	-	1,768,401.20	1,665,768.72	(102,632.48)	1,665,768.72	1,020,858.00
59020UAC9	831,369.52	-	831,369.52	829,854.74	(1514.78)	829,854.74	760,663.54
59020UNZ4	1,477,073.86	-	1,477,073.86	1,413,229.74	(63,844.12)	1,413,229.74	1,335,154.95
59020UUJ2	3,525,203.43	-	3,525,203.43	3,498,541.17	(26,662.26)	3,498,541.17	3,179,606.06
59020UW43	1,146,354.75	-	1,146,354.75	940,451.86	(205,902.89)	940,451.86	1,063,971.44
59024WAB3	1,377,874.01	-	1,377,874.01	1,249,457.53	(128,416.48)	1,249,457.53	1,355,587.88
617526AE8	308,320.76	-	308,320.76	290,839.48	(17,481.28)	290,839.48	210,114.91
61915RBB1	6,505,525.22	-	6,505,525.22	6,368,210.54	(137,314.68)	6,368,210.54	4,034,515.37
63543XAH2	79,020.00	-	79,020.00	-	(79,020.00)	-	100,000.00
65106FAG7	222,807.35	-	222,807.35	173,737.96	(49,069.39)	173,737.96	644,988.50
65535VRK6	1,595,098.54	-	1,595,098.54	1,461,692.09	(133,406.45)	1,461,692.09	1,128,243.27
65535VUS5	1,967,066.10	-	1,967,066.10	1,625,756.58	(341,309.52)	1,625,756.58	1,842,954.87
68383NCU5	7,569,311.48	-	7,569,311.48	7,458,109.86	(111,201.62)	7,458,109.86	5,530,688.63
68383NDT7	7,580,254.71	-	7,580,254.71	7,537,982.61	(42,272.10)	7,537,982.61	5,517,435.79
69121PDX8	733,994.81	-	733,994.81	714,780.11	(19,214.70)	714,780.11	649,477.08
73316PJ03	24,652.84	-	24,652.84	21,588.24	(3,064.60)	21,588.24	20,920.18
75114HAK3	5,468,316.97	-	5,468,316.97	4,947,087.27	(521,229.70)	4,947,087.27	1,860,199.38
76110GV40	2,855,552.11	-	2,855,552.11	2,848,957.13	(6,594.98)	2,848,957.13	2,680,673.09
76110GZQ7	6,924,079.62	-	6,924,079.62	6,913,692.91	(10,386.71)	6,913,692.91	6,022,270.89
76111KU1	6,185,182.79	-	6,185,182.79	6,149,135.41	(36,047.38)	6,149,135.41	4,149,854.65
79548KXQ6	1,530,147.05	-	1,530,147.05	1,509,276.36	(20,870.69)	1,509,276.36	1,330,716.88
805564RM5	3,783,853.77	-	3,783,853.77	3,390,656.22	(393,197.55)	3,390,656.22	2,589,301.99
81744FDK0	2,178,301.21	-	2,178,301.21	2,151,684.02	(26,617.19)	2,151,684.02	1,761,382.63
863572A20	233,595.24	-	233,595.24	215,504.87	(18,090.37)	215,504.87	186,216.34
863579DV7	416,883.90	-	416,883.90	285,759.07	(131,124.83)	285,759.07	308,009.45
863579KG2	2,973,646.71	-	2,973,646.71	2,942,098.75	(31,547.96)	2,942,098.75	2,664,997.41
86358RP68	437,220.89	-	437,220.89	422,474.79	(14,746.10)	422,474.79	398,856.58
86358ACC5	531,978.21	-	531,978.21	353,127.15	(178,851.06)	353,127.15	488,282.15
86359ADN0	741,134.04	-	741,134.04	326,463.46	(414,670.58)	326,463.46	682,038.16
86359B7K1	138,037.60	-	138,037.60	126,862.75	(11,174.85)	126,862.75	137,039.83
86359BKB6	916,470.25	-	916,470.25	904,786.02	(11,684.23)	904,786.02	907,098.07
86359DUL9	194,987.88	-	194,987.88	188,934.70	(6,053.18)	188,934.70	143,104.84
86359DUR6	17,332,821.60	-	17,332,821.60	17,133,310.77	(193,510.83)	17,133,310.77	13,000,522.13
86359LRW1	20,040,509.75	-	20,040,509.75	19,854,529.41	(185,980.34)	19,854,529.41	12,605,141.57
86360JAE1	8,289,646.58	-	8,289,646.58	8,220,957.52	(68,689.06)	8,220,957.52	5,360,309.37
86360JAN1	3,353,911.80	-	3,353,911.80	2,834,798.76	(519,113.04)	2,834,798.76	1,837,894.65
86360KAF5	32,116,770.69	-	32,116,770.69	31,735,747.36	(381,023.33)	31,735,747.36	20,359,228.06
86361HAA2	12,017,398.43	-	12,017,398.43	11,901,691.77	(15,706.66)	11,901,691.77	7,914,933.46
86361HAB0	7,654,446.10	-	7,654,446.10	7,553,360.48	(101,085.62)	7,553,360.48	7,548,110.13
86363DAA9	8,704,237.99	-	8,704,237.99	8,584,390.62	(119,247.37)	8,584,390.62	6,725,522.53
88157QAL2	937,251.38	-	937,251.38	703,789.33	(233,462.05)	703,789.33	1,223,464.27
885220FS7	7,123,770.34	-	7,123,770.34	7,030,548.39	(93,221.95)	7,030,548.39	6,510,377.19
92922F5T1	7,370,799.85	-	7,370,799.85	7,282,989.99	(87,809.86)	7,282,989.99	5,963,213.98
92922FB72	1,210,035.69	-	1,210,035.69	1,197,200.58	(12,835.11)	1,197,200.58	882,889.24
92922FJ25	6,254,294.53	-	6,254,294.53	6,189,443.91	(64,850.62)	6,189,443.91	4,867,792.79
92922FZD3	13,171,136.59	-	13,171,136.59	12,466,741.22	(704,395.37)	12,466,741.22	13,117,989.62
92922FZF8	8,267,915.38	-	8,267,915.38	8,244,339.94	(23,575.44)	8,244,339.94	6,853,052.73
92925CBB7	4,280,518.12	-	4,280,518.12	4,227,773.72	(52,744.40)	4,227,773.72	3,348,795.48
92977YAY7	2,465,934.87	-	2,465,934.87	2,167,246.19	(298,688.68)	2,167,246.19	467,915.97
92979DAA3	592,212.28	-	592,212.28	531,258.61	(60,953.67)	531,258.61	449,461.21
9393365V1	1,661,860.00	-	1,661,860.00	1,609,085.32	(52,774.68)	1,609,085.32	1,403,053.51
93934FHC9	8,006,057.92	-	8,006,057.92	7,914,350.10	(91,707.82)	7,914,350.10	5,510,082.35
Totals	\$ 762,320,631.78	\$ -	\$ 762,320,631.78	\$ 738,510,047.63	\$ (23,810,584.15)	\$ 738,510,047.63	\$ 546,494,231.96

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

The following is the impairment listing for loan-backed and structured securities for the three months ended June 30, 2011:

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
00104BAF7	\$ 370,000.00	\$ -	\$ 370,000.00	\$ 355,000.00	\$ (15,000.00)	\$ 355,000.00	\$ 355,000.00
004375CT6	7,403,325.91	-	7,403,325.91	7,147,252.56	(256,073.35)	7,147,252.56	5,694,371.62
00442GAD2	159,625.51	-	159,625.51	154,480.10	(5,145.41)	154,480.10	160,913.36
00442JAE4	5,413,645.90	-	5,413,645.90	4,927,546.20	(486,099.70)	4,927,546.20	3,887,634.80
007034AQ4	5,320,602.41	-	5,320,602.41	5,232,343.88	(88,258.53)	5,232,343.88	4,278,416.99
007037BK9	238,074.57	-	238,074.57	232,349.28	(5,725.29)	232,349.28	156,567.31
02146QAB9	13,263,679.03	-	13,263,679.03	12,405,812.00	(857,867.03)	12,405,812.00	9,354,207.06
02146YAD8	17,604,278.99	-	17,604,278.99	16,869,197.39	(735,081.60)	16,869,197.39	12,873,145.97
02147CAA1	8,897,979.14	-	8,897,979.14	8,460,893.11	(437,086.03)	8,460,893.11	6,712,922.27
02147DAB7	11,004,615.15	-	11,004,615.15	10,535,593.48	(469,021.67)	10,535,593.48	7,666,098.70
02660TGN7	8,220,080.69	-	8,220,080.69	8,000,792.06	(219,288.63)	8,000,792.06	5,341,882.20
02660TGS6	7,553,437.85	-	7,553,437.85	6,528,085.41	(1,025,352.44)	6,528,085.41	4,919,615.29
02660TJB0	21,940,746.02	-	21,940,746.02	20,981,937.25	(958,808.77)	20,981,937.25	14,187,594.02
02660WAC0	16,364,974.60	-	16,364,974.60	16,003,512.77	(361,461.83)	16,003,512.77	11,231,013.93
02660XAD6	10,753,042.52	-	10,753,042.52	10,499,231.10	(253,811.42)	10,499,231.10	8,340,004.28
026929AA7	8,990,381.35	-	8,990,381.35	8,854,511.98	(335,869.37)	8,854,511.98	8,883,436.91
026929AD1	8,710,369.61	-	8,710,369.61	8,406,222.21	(304,147.40)	8,406,222.21	5,877,597.71
040104QN4	3,493,460.23	-	3,493,460.23	3,266,039.33	(227,420.84)	3,266,039.33	2,743,129.20
040104TF8	88,076.11	-	88,076.11	85,556.47	(2,519.64)	85,556.47	62,760.85
040104TG6	977,591.28	-	977,591.28	950,814.78	(26,776.50)	950,814.78	820,433.37
04012XAC9	253,511.81	-	253,511.81	238,019.03	(15,492.78)	238,019.03	175,845.08
055294AA0	2,975,082.10	-	2,975,082.10	2,897,726.71	(77,355.39)	2,897,726.71	2,397,151.63
05535DAN4	4,426,081.37	-	4,426,081.37	2,957,964.95	(1,468,116.42)	2,957,964.95	2,707,952.24
05535DCF9	8,177,898.68	-	8,177,898.68	7,887,868.43	(290,030.25)	7,887,868.43	4,796,232.12
05946XYP2	965,465.31	-	965,465.31	954,163.65	(11,301.66)	954,163.65	713,045.13
05949ALH1	1,959,762.10	-	1,959,762.10	1,945,434.78	(14,327.32)	1,945,434.78	1,914,105.59
05950DAA8	10,315,389.14	-	10,315,389.14	10,136,225.11	(179,164.03)	10,136,225.11	8,457,262.89
06050HKX5	591,031.77	-	591,031.77	562,401.51	(28,630.26)	562,401.51	291,127.17
073879Z92	9,741,810.63	-	9,741,810.63	9,295,040.70	(446,769.93)	9,295,040.70	4,612,197.71
07389VAA5	1,671,470.58	-	1,671,470.58	1,561,202.75	(10,267.83)	1,561,202.75	1,504,771.87
07400XAB4	2,780,642.45	-	2,780,642.45	2,666,904.78	(113,737.67)	2,666,904.78	1,842,237.26
07401LAA1	13,341,277.48	-	13,341,277.48	12,685,561.38	(655,716.10)	12,685,561.38	9,725,389.47
07401LAQ6	3,052,505.86	-	3,052,505.86	2,941,553.78	(10,952.08)	2,941,553.78	2,412,194.27
07820QAY1	13,083,773.80	-	13,083,773.80	12,632,872.48	(450,901.32)	12,632,872.48	9,775,561.89
07820QBL8	2,720,336.17	-	2,720,336.17	2,618,897.35	(101,438.82)	2,618,897.35	2,018,590.75
1248M3AB9	4,951,130.55	-	4,951,130.55	4,861,326.62	(89,803.93)	4,861,326.62	4,664,240.59
1248MGAU3	78,372.25	-	78,372.25	72,737.09	(5,635.16)	72,737.09	48,377.62
1248RHAD9	4,780,920.84	-	4,780,920.84	4,175,285.93	(605,634.91)	4,175,285.93	2,877,308.61
1248NAB9	789,064.07	-	789,064.07	766,456.38	(22,607.69)	766,456.38	740,423.81
126670KN7	1,831,846.50	-	1,831,846.50	1,717,010.16	(14,836.34)	1,717,010.16	1,037,118.00
126673WB4	560,083.26	-	560,083.26	544,691.82	(15,391.44)	544,691.82	519,479.47
12667FUL7	189,967.87	-	189,967.87	141,385.58	(48,582.29)	141,385.58	785,597.22
12667GCB7	181,815.58	-	181,815.58	170,887.82	(10,927.76)	170,887.82	135,927.44
12667GR62	8,415,537.52	-	8,415,537.52	8,355,026.41	(60,511.11)	8,355,026.41	7,028,670.89
12667GS20	12,283,980.56	-	12,283,980.56	11,937,876.96	(346,103.60)	11,937,876.96	8,059,668.23
12667GWF6	7,061,095.55	-	7,061,095.55	6,602,223.90	(458,871.65)	6,602,223.90	5,007,656.34
12668A4B8	12,941,158.94	-	12,941,158.94	12,119,014.73	(822,144.21)	12,119,014.73	8,944,515.20
12668ACZ6	3,423,890.67	-	3,423,890.67	3,297,199.39	(126,691.28)	3,297,199.39	2,465,241.99
12668AEV3	10,542,275.05	-	10,542,275.05	10,247,548.39	(294,726.66)	10,247,548.39	8,344,374.16
12668AGW9	2,432,368.04	-	2,432,368.04	2,035,172.05	(397,195.99)	2,035,172.05	2,335,532.17
12668BDC4	4,752,590.84	-	4,752,590.84	4,513,145.41	(239,445.43)	4,513,145.41	3,802,036.56
12668BE33	13,928,835.54	-	13,928,835.54	13,081,072.18	(847,763.36)	13,081,072.18	9,546,383.41
12669B3B6	65,409.70	-	65,409.70	35,269.47	(30,140.23)	35,269.47	48,988.83
12669FVD2	858,107.46	-	858,107.46	804,119.58	(53,987.88)	804,119.58	854,710.58
12669FW82	1,015,805.12	-	1,015,805.12	975,988.96	(39,816.16)	975,988.96	770,763.52
12669GKH3	11,817,843.84	-	11,817,843.84	11,343,160.99	(474,682.85)	11,343,160.99	9,250,248.44
12669GMS7	205,855.54	-	205,855.54	193,668.85	(12,186.69)	193,668.85	175,858.37
12669GRM5	2,635,349.19	-	2,635,349.19	2,451,227.00	(184,122.19)	2,451,227.00	2,127,705.34
12669GRQ6	6,472,125.17	-	6,472,125.17	6,054,262.33	(417,862.84)	6,054,262.33	5,782,563.12
12669GTV3	339,622.83	-	339,622.83	311,854.40	(27,768.43)	311,854.40	242,733.97
12669GUR0	3,316,493.22	-	3,316,493.22	3,189,613.15	(126,880.07)	3,189,613.15	2,328,534.88
14983CAA3	1,274,147.66	-	1,274,147.66	1,196,953.48	(77,194.18)	1,196,953.48	837,139.86
17311YAC7	2,898,818.47	-	2,898,818.47	2,491,417.26	(407,401.21)	2,491,417.26	2,326,545.71
22540VG71	122,879.34	-	122,879.34	122,460.00	(419.34)	122,460.00	121,864.87
225470B93	4,582,217.54	-	4,582,217.54	4,509,934.32	(72,283.22)	4,509,934.32	3,845,680.35
22943HAD8	10,470,446.75	-	10,470,446.75	8,957,363.82	(1,513,082.93)	8,957,363.82	7,387,020.00
23243AAD8	989,370.51	-	989,370.51	955,614.98	(33,755.53)	955,614.98	717,483.87
23245QAA7	2,071,789.83	-	2,071,789.83	1,955,492.72	(116,297.11)	1,955,492.72	1,565,153.34
23321P6A1	2,863,387.53	-	2,863,387.53	2,856,459.02	(6,928.51)	2,856,459.02	2,786,385.86

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
23332UFV1	\$ 1,289,366.54	\$ -	\$ 1,289,366.54	\$ 1,282,023.04	\$ (7,343.50)	\$ 1,282,023.04	\$ 911,008.17
251508AB3	7,534,519.27	-	7,534,519.27	6,934,953.06	(599,566.21)	6,934,953.06	4,710,530.76
30251YAB4	7,206,825.42	-	7,206,825.42	7,150,532.74	(56,292.68)	7,150,532.74	5,424,394.15
32056CAH2	15,970,892.52	-	15,970,892.52	15,625,008.42	(345,884.10)	15,625,008.42	14,097,475.09
36185NXT2	480,300.23	-	480,300.23	342,093.29	(138,206.94)	342,093.29	360,669.96
36228FC53	1,037,017.12	-	1,037,017.12	982,991.94	(54,025.18)	982,991.94	842,138.90
36234L49	5,106,623.24	-	5,106,623.24	5,021,034.34	(85,588.90)	5,021,034.34	4,412,830.84
362341TM1	2,443,201.11	-	2,443,201.11	2,374,066.43	(69,134.68)	2,374,066.43	2,292,997.45
362480AD7	11,678,000.76	-	11,678,000.76	11,207,319.96	(470,680.80)	11,207,319.96	7,858,713.01
39538RAB5	9,839,578.13	-	9,839,578.13	9,740,017.04	(99,561.09)	9,740,017.04	6,825,326.72
39538RBB4	11,118,644.03	-	11,118,644.03	10,867,077.20	(251,566.83)	10,867,077.20	8,084,521.46
39538WFH6	9,253,858.85	-	9,253,858.85	9,008,051.77	(245,807.08)	9,008,051.77	6,507,935.92
39538WHF8	25,147,502.44	-	25,147,502.44	24,863,316.46	(284,185.98)	24,863,316.46	18,158,716.82
39539GAA0	4,142,380.99	-	4,142,380.99	3,858,924.02	(283,456.97)	3,858,924.02	3,093,463.70
41161PFR9	1,089,162.17	-	1,089,162.17	1,062,736.29	(26,425.88)	1,062,736.29	964,707.20
41161PHU0	6,805,621.64	-	6,805,621.64	6,566,125.81	(239,495.83)	6,566,125.81	5,535,257.34
41161PKH5	465,705.71	-	465,705.71	447,126.11	(18,579.60)	447,126.11	331,165.28
41161PL43	15,904,690.31	-	15,904,690.31	15,427,639.04	(477,051.27)	15,427,639.04	12,519,861.74
41161PLR2	11,217,125.58	-	11,217,125.58	10,366,730.27	(850,395.31)	10,366,730.27	8,096,014.35
41161PMG5	14,212,262.03	-	14,212,262.03	13,086,899.71	(1,125,362.32)	13,086,899.71	9,903,452.27
41161PQJ0	11,206,801.04	-	11,206,801.04	11,083,259.53	(123,541.51)	11,083,259.53	8,829,517.26
41161PSK0	4,155,867.99	-	4,155,867.99	4,140,078.71	(15,789.28)	4,140,078.71	3,311,704.79
41161PTN3	1,861,916.34	-	1,861,916.34	1,835,975.71	(25,940.63)	1,835,975.71	1,380,582.71
41161PWB5	5,844,745.44	-	5,844,745.44	5,793,323.66	(45,421.78)	5,793,323.66	4,123,200.14
41161PXH1	677,816.57	-	677,816.57	669,094.72	(8,721.85)	669,094.72	477,286.09
41162DAF6	8,994,069.64	-	8,994,069.64	7,961,170.02	(1,032,899.62)	7,961,170.02	7,118,547.39
41164LAB5	12,621,800.45	-	12,621,800.45	11,230,967.78	(1,390,832.67)	11,230,967.78	8,387,551.76
41164YAB7	10,726,262.52	-	10,726,262.52	10,475,360.99	(250,901.53)	10,475,360.99	7,668,382.14
43739EBJ5	8,350,734.18	-	8,350,734.18	7,950,384.41	(400,349.77)	7,950,384.41	6,251,970.02
43739EBS5	8,105,864.82	-	8,105,864.82	7,658,917.19	(446,947.63)	7,658,917.19	6,751,074.64
45254NHV2	247,136.73	-	247,136.73	233,455.99	(13,680.74)	233,455.99	209,178.13
45254NJG3	1,142,062.94	-	1,142,062.94	1,122,485.65	(19,577.29)	1,122,485.65	956,740.55
45254NKF3	4,447,562.20	-	4,447,562.20	4,407,084.59	(40,477.61)	4,407,084.59	4,343,125.98
45254NML8	1,023,637.01	-	1,023,637.01	1,023,042.60	(594.41)	1,023,042.60	798,028.88
45254NPA9	13,599,192.07	-	13,599,192.07	13,231,174.95	(368,017.12)	13,231,174.95	11,211,853.18
45254NPUS	4,802,222.03	-	4,802,222.03	4,628,886.89	(173,335.14)	4,628,886.89	3,490,188.34
45254TRX4	297,840.06	-	297,840.06	293,087.16	(4,752.90)	293,087.16	207,069.94
45254TSM7	3,295,634.70	-	3,295,634.70	3,266,883.53	(28,751.17)	3,266,883.53	2,097,577.20
45257EAA2	3,879,055.62	-	3,879,055.62	3,664,344.06	(214,715.56)	3,664,344.06	3,535,358.63
45660LW96	3,085,309.15	-	3,085,309.15	2,903,399.55	(181,909.60)	2,903,399.55	1,872,549.76
45660LY94	485,927.29	-	485,927.29	307,876.96	(178,050.33)	307,876.96	183,383.48
45660LYW3	3,582,993.37	-	3,582,993.37	2,965,244.32	(617,749.05)	2,965,244.32	2,142,003.90
45660NJS2	4,168,246.96	-	4,168,246.96	4,148,358.98	(19,887.98)	4,148,358.98	3,817,083.54
45660NQ24	853,542.41	-	853,542.41	802,184.25	(51,358.16)	802,184.25	791,950.38
45661AC4	14,752,889.16	-	14,752,889.16	13,658,056.92	(1,094,832.24)	13,658,056.92	9,476,622.32
45661LAG3	4,918,903.42	-	4,918,903.42	4,767,495.48	(151,407.94)	4,767,495.48	4,036,455.12
45667WAA6	3,657,646.56	-	3,657,646.56	3,407,235.80	(250,410.76)	3,407,235.80	3,135,273.61
46624TB6	140,463.09	-	140,463.09	139,336.41	(1,126.68)	139,336.41	137,500.62
525221AJ6	2,423,202.18	-	2,423,202.18	2,408,596.80	(14,605.38)	2,408,596.80	1,681,253.43
525221EN3	10,347,206.55	-	10,347,206.55	8,058,470.44	(2,288,736.11)	8,058,470.44	6,566,646.65
525221GM3	3,131,481.61	-	3,131,481.61	2,964,863.90	(166,617.71)	2,964,863.90	1,891,920.84
52524YAF0	10,705,885.46	-	10,705,885.46	10,608,844.00	(97,041.46)	10,608,844.00	7,272,729.33
550279AA1	4,183,735.11	-	4,183,735.11	4,132,667.48	(51,067.63)	4,132,667.48	3,211,786.83
55027AAAR1	10,402,608.17	-	10,402,608.17	10,175,024.99	(227,583.18)	10,175,024.99	7,001,283.12
55027AAU4	5,421,668.41	-	5,421,668.41	5,198,866.80	(222,801.61)	5,198,866.80	3,379,511.88
55027BAA6	14,422,565.14	-	14,422,565.14	14,012,496.58	(410,068.56)	14,012,496.58	9,444,008.61
576433G42	7,620,937.36	-	7,620,937.36	7,346,531.01	(274,406.35)	7,346,531.01	5,368,399.14
576433H33	3,914,653.00	-	3,914,653.00	3,779,758.84	(134,894.16)	3,779,758.84	3,725,126.07
576438AA3	3,170,157.17	-	3,170,157.17	3,154,671.70	(15,485.47)	3,154,671.70	2,688,395.08
57643LMP8	1,818,151.86	-	1,818,151.86	1,734,492.66	(83,659.20)	1,734,492.66	1,093,308.00
617463AA2	18,190.33	-	18,190.33	17,901.18	(289.15)	17,901.18	14,579.46
61750FAE0	663,494.38	-	663,494.38	629,661.33	(39,833.05)	629,661.33	571,359.46
617526AE8	314,327.91	-	314,327.91	300,966.95	(13,360.96)	300,966.95	228,521.15
63543XAH2	106,600.00	-	106,600.00	79,020.00	(27,580.00)	79,020.00	100,000.00
64352VNY3	2,963,790.95	-	2,963,790.95	2,721,526.68	(242,264.27)	2,721,526.68	1,402,020.00
65535WRK6	1,114,388.91	-	1,114,388.91	1,072,060.59	(42,328.32)	1,072,060.59	1,055,783.60
65535WUS5	2,153,982.46	-	2,153,982.46	1,841,133.77	(312,848.69)	1,841,133.77	1,904,936.36
66987XBV6	18,653.88	-	18,653.88	18,052.56	(601.32)	18,052.56	13,570.85
74922AAB5	13,943,565.17	-	13,943,565.17	13,688,265.61	(255,299.56)	13,688,265.61	8,514,255.33
75114GAC3	18,526,178.13	-	18,526,178.13	18,199,499.83	(326,678.30)	18,199,499.83	12,887,714.7

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
75114HAD9	\$ 17,431,974.80	\$ -	\$ 17,431,974.80	\$ 16,987,120.85	\$ (444,853.95)	\$ 16,987,120.85	\$ 13,037,178.33
75114NAA2	8,422,001.05	-	8,422,001.05	8,389,607.15	(32,393.90)	8,389,607.15	6,867,667.02
75114NAB0	3,022,759.65	-	3,022,759.65	3,017,026.02	(5,733.63)	3,017,026.02	2,735,828.82
75970NAG2	1,672,850.85	-	1,672,850.85	1,580,319.98	(92,530.86)	1,580,319.98	1,316,403.38
759950EL8	4,369,242.19	-	4,369,242.19	4,171,673.19	(197,569.00)	4,171,673.19	4,268,234.94
760985U33	619,524.33	-	619,524.33	508,808.67	(110,715.66)	508,808.67	301,850.44
76110GE23	5,194,269.38	-	5,194,269.38	5,130,427.40	(63,841.98)	5,130,427.40	4,358,588.14
76110GTL5	932,001.08	-	932,001.08	762,733.61	(169,267.47)	762,733.61	850,961.76
76110GV40	3,116,460.84	-	3,116,460.84	2,955,452.79	(161,008.05)	2,955,452.79	2,784,815.56
76110GV75	2,221,320.41	-	2,221,320.41	2,053,290.88	(168,029.53)	2,053,290.88	2,154,244.36
76110GWG2	1,628,169.23	-	1,628,169.23	1,497,239.37	(130,929.86)	1,497,239.37	1,525,109.56
76110GZQ7	7,320,464.50	-	7,320,464.50	7,260,673.39	(59,791.11)	7,260,673.39	6,305,260.05
76110GZR5	2,460,530.70	-	2,460,530.70	2,020,311.93	(440,218.77)	2,020,311.93	2,082,824.91
761118NN4	8,970,194.40	-	8,970,194.40	8,854,040.82	(116,153.58)	8,854,040.82	6,065,811.19
761118RJ9	388,592.06	-	388,592.06	367,492.35	(21,099.71)	367,492.35	229,312.93
761118RM2	18,435,535.65	-	18,435,535.65	17,706,883.39	(728,652.26)	17,706,883.39	12,966,353.51
79548ASN0	188,855.67	-	188,855.67	96,628.07	(92,227.60)	96,628.07	156,004.99
80557BAC8	7,073,934.57	-	7,073,934.57	6,658,521.05	(415,413.52)	6,658,521.05	5,994,708.50
81378EAA1	2,835,965.73	-	2,835,965.73	2,729,570.58	(106,395.15)	2,729,570.58	1,991,329.48
81379EAA0	393,146.04	-	393,146.04	382,391.58	(10,754.46)	382,391.58	347,864.03
83613GAA7	2,424,305.21	-	2,424,305.21	2,289,435.53	(134,869.68)	2,289,435.53	1,882,122.00
84752CAE7	1,577,215.87	-	1,577,215.87	1,521,215.46	(56,000.41)	1,521,215.46	751,364.85
8635722A0	246,838.88	-	246,838.88	235,041.39	(11,797.49)	235,041.39	214,420.07
863579DV7	471,733.98	-	471,733.98	468,843.11	(2,890.87)	468,843.11	367,893.29
863579KG2	3,245,100.31	-	3,245,100.31	3,099,874.57	(145,225.74)	3,099,874.57	2,990,920.39
863579YR3	6,981,204.72	-	6,981,204.72	6,615,297.71	(365,907.01)	6,615,297.71	6,138,939.08
86358IHX0	1,001,108.45	-	1,001,108.45	987,386.44	(13,722.01)	987,386.44	807,677.73
86358RA23	4,524,533.79	-	4,524,533.79	4,465,507.90	(59,025.89)	4,465,507.90	3,907,151.38
86358RL88	226,189.24	-	226,189.24	58,057.55	(168,131.69)	58,057.55	122,236.18
86358RP68	593,608.65	-	593,608.65	591,449.14	(2,159.51)	591,449.14	579,356.43
86358RUQ8	88,513.41	-	88,513.41	25,607.70	(62,905.71)	25,607.70	88,499.05
86359ACC5	754,969.66	-	754,969.66	541,626.76	(213,342.90)	541,626.76	511,408.43
86359BKB6	972,851.53	-	972,851.53	923,717.36	(49,134.17)	923,717.36	980,064.82
86359BLB5	1,252,854.82	-	1,252,854.82	1,239,560.72	(13,294.10)	1,239,560.72	1,222,569.46
86359DUR6	19,298,016.21	-	19,298,016.21	17,954,125.14	(1,343,891.07)	17,954,125.14	14,380,687.56
86359LRW1	21,245,312.20	-	21,245,312.20	20,534,345.47	(710,966.73)	20,534,345.47	15,097,985.41
86359LSM2	1,399,891.35	-	1,399,891.35	1,327,165.09	(72,726.26)	1,327,165.09	1,037,905.37
86360JAA9	11,391,844.75	-	11,391,844.75	10,989,386.04	(402,458.71)	10,989,386.04	6,815,506.29
86360JAE1	8,836,521.87	-	8,836,521.87	8,442,723.34	(393,798.53)	8,442,723.34	5,991,741.22
86360KAF5	34,500,571.37	-	34,500,571.37	32,904,063.84	(1,596,507.53)	32,904,063.84	22,382,347.38
86360UAF3	4,237,400.71	-	4,237,400.71	3,887,982.50	(349,418.21)	3,887,982.50	2,779,752.52
86361HAA2	13,013,081.24	-	13,013,081.24	12,328,462.58	(684,618.66)	12,328,462.58	9,078,783.67
86361HAB0	8,510,636.17	-	8,510,636.17	7,911,868.46	(598,767.71)	7,911,868.46	8,426,051.80
86363DAA9	9,969,991.34	-	9,969,991.34	9,039,799.82	(930,191.52)	9,039,799.82	6,772,652.20
872227AE3	1,910,011.85	-	1,910,011.85	1,844,666.33	(65,345.52)	1,844,666.33	1,429,459.84
88157QAL2	698,223.45	-	698,223.45	630,409.67	(67,813.78)	630,409.67	1,177,582.12
929227QB5	232,806.19	-	232,806.19	223,929.84	(8,876.35)	223,929.84	204,572.07
92922F4M7	4,472,237.35	-	4,472,237.35	4,424,884.76	(47,352.59)	4,424,884.76	3,637,374.21
92922F5T1	7,625,591.08	-	7,625,591.08	7,532,936.26	(92,654.82)	7,532,936.26	6,520,405.82
92922F7Q5	9,591,622.46	-	9,591,622.46	9,395,996.92	(195,625.54)	9,395,996.92	7,443,451.12
92922FTJ7	1,317,040.29	-	1,317,040.29	1,288,359.22	(28,681.07)	1,288,359.22	1,142,701.99
92922FWU8	3,843,712.21	-	3,843,712.21	3,739,680.49	(104,031.72)	3,739,680.49	3,352,423.20
92925CBB7	4,414,349.29	-	4,414,349.29	4,365,574.43	(49,374.86)	4,365,574.43	3,480,246.65
92926SAE6	2,379,476.79	-	2,379,476.79	2,155,902.71	(223,574.08)	2,155,902.71	2,123,918.65
92977AY7	2,965,308.91	-	2,965,308.91	2,448,469.16	(516,839.75)	2,448,469.16	546,787.98
939336X65	1,741,456.57	-	1,741,456.57	1,734,753.31	(6,703.26)	1,734,753.31	1,423,713.09
93934FHC9	8,460,192.37	-	8,460,192.37	8,261,569.02	(198,623.35)	8,261,569.02	5,823,343.48
93934FJQ6	15,137,829.51	-	15,137,829.51	14,738,335.29	(399,494.22)	14,738,335.29	10,723,494.10
94985JAG5	18,250,633.52	-	18,250,633.52	17,383,308.71	(867,324.81)	17,383,308.71	18,341,034.90
Totals	\$ 1,130,732,656.14	\$ -	\$ 1,130,732,656.14	\$ 1,078,535,670.23	\$ (52,196,985.91)	\$ 1,078,535,670.23	\$ 839,143,290.12

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

The following is the impairment listing for loan-backed and structured securities for the three months ended March 31, 2011:

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
00104BAF7	\$ 589,264.55	\$ -	\$ 589,264.55	\$ 370,000.00	\$ (219,264.55)	\$ 370,000.00	\$ 370,000.00
00442JAE4	4,710,238.75	-	4,710,238.75	4,591,638.85	(18,599.90)	4,591,638.85	4,358,285.50
00443MAB2	107,340.11	-	107,340.11	44,124.83	(63,215.28)	44,124.83	102,421.70
007034AQ4	5,744,398.21	-	5,744,398.21	5,575,615.32	(168,772.89)	5,575,615.32	4,579,731.18
007037BK9	465,256.29	-	465,256.29	455,228.08	(10,028.21)	455,228.08	286,020.38
02146QAB9	13,969,583.20	-	13,969,583.20	13,546,263.46	(423,319.74)	13,546,263.46	9,685,224.76
02146YAD8	19,095,808.55	-	19,095,808.55	18,491,705.71	(604,102.84)	18,491,705.71	13,815,077.28
02147CAA1	9,299,089.46	-	9,299,089.46	9,131,294.02	(167,795.44)	9,131,294.02	7,305,515.71
02147DAB7	11,404,066.20	-	11,404,066.20	11,363,792.68	(34,273.52)	11,363,792.68	7,999,314.91
02147DAV3	241,249.93	-	241,249.93	238,256.54	(2,993.39)	238,256.54	199,677.64
02660TBF9	595,863.06	-	595,863.06	330,916.80	(264,946.26)	330,916.80	1,822,967.12
02660TGN7	8,456,484.74	-	8,456,484.74	8,384,613.41	(71,871.33)	8,384,613.41	5,817,181.56
02660TJB0	23,152,239.57	-	23,152,239.57	22,442,810.38	(709,429.19)	22,442,810.38	15,237,145.62
040104QN4	3,890,541.86	-	3,890,541.86	3,668,981.66	(221,560.20)	3,668,981.66	3,003,086.41
040104RV5	2,469,257.30	-	2,469,257.30	2,257,355.17	(211,902.13)	2,257,355.17	2,267,884.85
040104TF8	100,649.39	-	100,649.39	91,964.11	(8,685.28)	91,964.11	76,041.11
040104TG6	1,104,833.64	-	1,104,833.64	1,019,703.02	(85,130.62)	1,019,703.02	991,534.77
04012XAC9	264,724.37	-	264,724.37	258,174.29	(6,550.09)	258,174.29	220,523.01
05948XYP2	1,026,184.98	-	1,026,184.98	1,008,137.20	(18,047.78)	1,008,137.20	734,911.14
06050HKX5	623,869.62	-	623,869.62	596,011.52	(27,858.10)	596,011.52	300,516.70
06652DAA7	6,424,514.04	-	6,424,514.04	6,312,530.55	(111,983.49)	6,312,530.55	4,993,003.57
07386HSP7	5,557,088.46	-	5,557,088.46	5,425,826.64	(131,261.82)	5,425,826.64	4,079,941.14
073879Z92	10,172,212.75	-	10,172,212.75	9,405,259.64	(766,953.11)	9,405,259.64	4,439,959.88
07400XAB4	2,944,475.07	-	2,944,475.07	2,788,229.78	(156,245.29)	2,788,229.78	1,996,542.09
07401LAA1	14,001,795.67	-	14,001,795.67	13,574,890.71	(426,904.96)	13,574,890.71	10,381,739.73
07401LAQ6	3,257,015.04	-	3,257,015.04	3,158,276.26	(98,738.78)	3,158,276.26	2,519,662.32
07820QAY1	13,662,239.67	-	13,662,239.67	13,484,688.23	(177,551.44)	13,484,688.23	10,195,113.55
124860CB1	148,669.82	-	148,669.82	143,459.50	(5,210.32)	143,459.50	124,770.44
1248MGAJ3	99,253.04	-	99,253.04	80,199.54	(19,053.50)	80,199.54	90,039.92
1248NAB9	890,567.71	-	890,567.71	832,500.69	(58,067.02)	832,500.69	852,007.46
126670KN7	1,828,008.00	-	1,828,008.00	1,817,051.16	(10,956.84)	1,817,051.16	1,213,236.00
12667GR62	9,241,938.15	-	9,241,938.15	8,737,452.47	(504,485.69)	8,737,452.47	7,663,689.77
12667GRW5	424,692.87	-	424,692.87	400,404.54	(24,288.33)	400,404.54	350,910.91
12667GS20	12,869,652.72	-	12,869,652.72	12,677,552.86	(192,099.86)	12,677,552.86	8,533,662.30
12667GWF6	7,442,163.97	-	7,442,163.97	7,289,790.65	(152,373.32)	7,289,790.65	5,204,045.91
12668A3Q6	8,092,108.87	-	8,092,108.87	7,393,367.09	(692,741.78)	7,393,367.09	4,556,737.42
12668A4B8	14,330,751.54	-	14,330,751.54	13,633,956.43	(696,795.11)	13,633,956.43	10,065,595.58
12668AC26	3,581,158.60	-	3,581,158.60	3,510,183.17	(70,975.43)	3,510,183.17	2,463,470.40
12668AEV3	11,134,871.86	-	11,134,871.86	10,779,411.63	(355,460.23)	10,779,411.63	8,434,689.81
12668AGW9	264,810.23	-	264,810.23	251,757.65	(13,052.58)	251,757.65	195,768.44
12668AVP7	6,836,111.07	-	6,836,111.07	6,507,240.39	(328,870.68)	6,507,240.39	4,999,884.03
12668BB77	22,294,484.46	-	22,294,484.46	21,191,222.90	(1,103,261.56)	21,191,222.90	17,162,616.50
12668BDC4	4,905,143.40	-	4,905,143.40	4,847,413.62	(57,729.78)	4,847,413.62	4,057,423.69
12668BE33	14,231,458.83	-	14,231,458.83	14,226,030.94	(5,427.89)	14,226,030.94	10,337,333.12
126694N46	318,261.79	-	318,261.79	302,062.88	(16,198.91)	302,062.88	223,220.43
126694YM4	3,024,822.87	-	3,024,822.87	2,838,508.63	(186,314.24)	2,838,508.63	2,251,075.13
12669FW82	1,040,834.11	-	1,040,834.11	1,034,923.79	(5,910.32)	1,034,923.79	674,342.64
12669GKH3	12,108,184.91	-	12,108,184.91	12,052,219.02	(55,965.89)	12,052,219.02	10,051,057.69
12669GMS7	229,995.60	-	229,995.60	213,867.62	(16,127.98)	213,867.62	179,517.12
12669GTV3	366,063.26	-	366,063.26	361,031.76	(5,031.50)	361,031.76	268,628.38
12669GUR0	3,459,992.03	-	3,459,992.03	3,430,694.44	(29,297.59)	3,430,694.44	2,465,216.68
152314MJ6	1,339,409.85	-	1,339,409.85	1,224,692.73	(114,717.12)	1,224,692.73	1,187,215.36
172939AB6	10,187.44	-	10,187.44	7,626.42	(2,561.02)	7,626.42	9,659.23
22943HAD8	11,301,065.00	-	11,301,065.00	10,539,636.45	(761,428.55)	10,539,636.45	7,572,075.00
23242TAB2	3,135,355.37	-	3,135,355.37	2,834,797.20	(300,558.17)	2,834,797.20	2,844,347.15
23243AAD8	1,053,437.78	-	1,053,437.78	1,024,227.89	(29,209.89)	1,024,227.89	755,911.63
23245QAA7	2,167,522.27	-	2,167,522.27	2,110,320.01	(57,202.26)	2,110,320.01	1,664,856.22
23332UAR5	8,321,635.47	-	8,321,635.47	8,259,216.82	(62,418.65)	8,259,216.82	6,824,519.40
23332UAS3	95,237.17	-	95,237.17	87,835.28	(7,401.89)	87,835.28	99,417.38
23332UBV5	5,364,682.19	-	5,364,682.19	5,319,810.41	(44,871.79)	5,319,810.41	3,895,660.43
23332UBW3	205,837.23	-	205,837.23	194,753.01	(11,084.22)	194,753.01	193,229.95
23332UDU5	18,530,850.60	-	18,530,850.60	18,295,392.40	(235,458.20)	18,295,392.40	12,847,439.68
251508AB3	7,886,794.96	-	7,886,794.96	7,853,452.30	(33,342.66)	7,853,452.30	5,243,323.95
251510EH2	29,271,090.55	-	29,271,090.55	29,156,187.86	(14,902.69)	29,156,187.86	28,575,495.79
251510FB4	4,353,161.88	-	4,353,161.88	4,322,367.38	(30,794.50)	4,322,367.38	3,614,213.05
251510NC3	12,037,926.40	-	12,037,926.40	11,830,296.16	(207,630.24)	11,830,296.16	4,058,844.82
32113JAA3	652,415.48	-	652,415.48	631,834.69	(20,580.79)	631,834.69	458,747.41
36298XAB8	20,912,320.60	-	20,912,320.60	20,392,850.48	(519,470.12)	20,392,850.48	20,818,002.95
39538RAB5	10,077,417.59	-	10,077,417.59	9,966,990.98	(110,426.61)	9,966,990.98	7,013,397.00
39538RBB4	11,624,399.05	-	11,624,399.05	11,244,009.67	(380,389.38)	11,244,009.67	8,373,948.18
39538WFH6	9,786,332.77	-	9,786,332.77	9,398,523.77	(387,809.00)	9,398,523.77	6,641,100.36
39538WHF8	26,346,268.95	-	26,346,268.95	25,365,678.60	(980,590.35)	25,365,678.60	19,090,452.87
39539GAA0	4,445,526.26	-	4,445,526.26	4,265,434.30	(180,091.96)	4,265,434.30	3,373,549.63
40430HB6	2,092.00	-	2,092.00	547.43	(1,544.57)	547.43	2,374.38
41161PHC0	6,988,120.14	-	6,988,120.14	6,987,832.35	(287.79)	6,987,832.35	5,977,628.80
41161PHU0	6,954,769.74	-	6,954,769.74	6,928,264.20	(26,505.54)	6,928,264.20	5,852,295.66
41161PL43	17,262,240.50	-	17,262,240.50	16,479,455.42	(782,785.08)	16,479,455.42	13,247,528.30
41161PMG5	14,501,616.74	-	14,501,616.74	14,480,869.67	(20,747.07)	14,480,869.67	10,843,536.30
41161PQJ0	11,745,812.76	-	11,745,812.76	11,425,500.98	(320,311.78)	11,425,500.98	9,321,170.37
41161PTN3	1,953,112.70	-	1,953,112.70	1,900,781.42	(52,331.28)	1,900,781.42	1,498,229.08
41161PW5	6,171,180.55	-	6,171,180.55	5,958,151.99	(213,028.56)	5,95	

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
41164LAB5	\$ 13,057,462.44	\$ -	\$ 13,057,462.44	\$ 12,958,126.46	\$ (99,335.98)	\$ 12,958,126.46	\$ 9,202,510.60
41164YAB7	11,016,022.42	-	11,016,022.42	10,930,434.33	(85,588.09)	10,930,434.33	7,930,431.60
43739EAP2	17,851,761.66	-	17,851,761.66	17,261,257.96	(590,503.70)	17,261,257.96	14,809,109.55
45254NHV2	285,324.23	-	285,324.23	254,001.98	(31,322.25)	254,001.98	219,107.68
45254NJC3	1,173,132.25	-	1,173,132.25	1,168,231.39	(4,900.86)	1,168,231.39	976,859.85
45254NKF3	4,584,071.58	-	4,584,071.58	4,572,566.46	(11,505.12)	4,572,566.46	4,435,278.03
45254NKX4	5,589,579.43	-	5,589,579.43	5,323,416.56	(266,162.87)	5,323,416.56	4,413,186.16
45254NMB0	1,079,859.80	-	1,079,859.80	1,060,867.26	(18,992.54)	1,060,867.26	975,349.02
45254NNP8	11,991,237.76	-	11,991,237.76	11,561,972.08	(429,265.68)	11,561,972.08	8,596,589.87
45254NPA3	13,922,074.80	-	13,922,074.80	13,831,744.89	(90,329.91)	13,831,744.89	11,508,051.01
45254NPU5	4,920,186.83	-	4,920,186.83	4,892,838.11	(27,348.72)	4,892,838.11	3,592,541.58
45254TRX4	307,714.39	-	307,714.39	302,793.09	(4,921.30)	302,793.09	224,239.78
45254TSM7	3,485,160.64	-	3,485,160.64	3,365,767.96	(119,392.68)	3,365,767.96	2,368,775.82
45660LWK8	23,500,330.55	-	23,500,330.55	23,457,394.18	(42,936.37)	23,457,394.18	16,946,705.27
45660LW96	3,188,739.98	-	3,188,739.98	3,167,553.69	(21,186.29)	3,167,553.69	2,008,996.89
45660N3S2	4,686,399.88	-	4,686,399.88	4,659,784.99	(26,614.89)	4,659,784.99	4,427,591.12
45660NS30	1,290,339.16	-	1,290,339.16	1,277,361.61	(12,977.55)	1,277,361.61	988,812.55
456612AC4	15,042,353.71	-	15,042,353.71	14,818,974.78	(223,378.93)	14,818,974.78	10,400,450.35
45667WAA6	3,069,479.51	-	3,069,479.51	3,062,662.92	(6,816.59)	3,062,662.92	2,761,372.48
46627MCS4	6,340,775.64	-	6,340,775.64	6,160,725.55	(180,050.09)	6,160,725.55	5,541,127.70
525221CD7	185,229.78	-	185,229.78	180,661.01	(4,568.77)	180,661.01	26,503.00
525221EN3	11,462,368.81	-	11,462,368.81	10,860,051.52	(602,317.29)	10,860,051.52	7,326,416.44
550279AA1	4,367,826.86	-	4,367,826.86	4,314,531.93	(53,294.93)	4,314,531.93	3,515,439.50
55027AAU4	5,543,452.77	-	5,543,452.77	5,520,686.30	(22,766.47)	5,520,686.30	3,402,820.15
55027BAA6	48,831.32	-	48,831.32	48,511.76	(319.56)	48,511.76	32,715.29
576433E44	120,059.39	-	120,059.39	94,910.72	(25,148.67)	94,910.72	61,270.24
576433H33	3,896,952.23	-	3,896,952.23	3,680,166.16	(216,786.07)	3,680,166.16	3,807,533.53
576433RU2	1,597,338.00	-	1,597,338.00	1,569,649.11	(27,688.89)	1,569,649.11	1,144,800.00
576433SE7	1,551,096.00	-	1,551,096.00	1,447,701.42	(103,394.58)	1,447,701.42	865,180.00
576433YNO	1,163,479.97	-	1,163,479.97	1,152,853.52	(10,626.45)	1,152,853.52	808,353.27
576438AA3	3,209,357.95	-	3,209,357.95	3,200,667.18	(8,690.77)	3,200,667.18	2,878,466.05
57643LMP8	1,965,723.00	-	1,965,723.00	1,783,011.54	(182,711.46)	1,783,011.54	1,339,842.00
59020UQ40	1,063,563.18	-	1,063,563.18	1,032,423.17	(31,140.01)	1,032,423.17	867,899.64
59020UQ57	3,353,720.00	-	3,353,720.00	3,228,910.72	(124,809.28)	3,228,910.72	1,648,808.00
617463AA2	37,690.90	-	37,690.90	18,533.08	(19,157.82)	18,533.08	16,164.87
61750FAE0	698,158.75	-	698,158.75	661,931.44	(36,227.31)	661,931.44	631,736.61
617526AE8	316,386.07	-	316,386.07	307,351.88	(9,034.19)	307,351.88	284,354.06
61913PAA0	11,861,939.34	-	11,861,939.34	11,822,612.33	(39,327.01)	11,822,612.33	10,884,079.39
65535VRK6	630,330.10	-	630,330.10	612,332.91	(17,997.19)	612,332.91	596,472.32
65535VU55	2,071,573.08	-	2,071,573.08	1,978,385.06	(93,188.02)	1,978,385.06	1,945,151.37
68383NC93	22,031,572.87	-	22,031,572.87	21,626,068.73	(405,504.14)	21,626,068.73	16,461,150.17
68383NC03	2,849,829.00	-	2,849,829.00	2,774,887.20	(74,941.80)	2,774,887.20	2,212,749.00
68383NCU5	8,267,552.26	-	8,267,552.26	7,994,840.81	(272,711.45)	7,994,840.81	6,364,415.96
68383NDT7	8,030,564.95	-	8,030,564.95	7,994,189.90	(36,375.05)	7,994,189.90	4,752,065.89
68400XAY6	141,048.56	-	141,048.56	138,640.06	(2,408.50)	138,640.06	115,827.33
74922MAB7	9,380,033.34	-	9,380,033.34	9,093,054.21	(286,979.13)	9,093,054.21	6,450,401.08
74922MAC5	1,231,505.34	-	1,231,505.34	1,195,511.69	(35,393.65)	1,195,511.69	890,221.13
75114GAC3	19,526,531.48	-	19,526,531.48	19,000,440.48	(526,091.00)	19,000,440.48	12,961,241.65
75114HAD9	18,413,725.00	-	18,413,725.00	18,074,722.94	(339,002.06)	18,074,722.94	12,041,468.43
75114NAA2	9,234,696.08	-	9,234,696.08	8,968,477.42	(266,218.66)	8,968,477.42	7,380,035.09
75114NAB0	3,321,540.25	-	3,321,540.25	3,223,849.24	(97,631.01)	3,223,849.24	2,941,393.37
76110GLG4	1,736,618.13	-	1,736,618.13	1,675,102.89	(61,151.24)	1,675,102.89	1,358,606.99
76110GV40	3,213,701.21	-	3,213,701.21	3,205,742.15	(7,959.06)	3,205,742.15	2,857,699.66
76110GZRS	2,519,125.78	-	2,519,125.78	2,505,685.90	(13,439.88)	2,505,685.90	2,338,107.13
761118NN4	9,616,233.11	-	9,616,233.11	9,212,465.59	(403,767.52)	9,212,465.59	6,681,967.45
761118RJ9	423,258.56	-	423,258.56	406,328.16	(16,930.40)	406,328.16	261,230.49
761118RM2	19,565,066.00	-	19,565,066.00	19,011,802.61	(553,263.39)	19,011,802.61	13,212,157.50
761118WP9	11,843,541.36	-	11,843,541.36	11,505,430.18	(338,111.18)	11,505,430.18	8,165,585.15
79549ASN0	243,550.34	-	243,550.34	200,363.11	(43,187.23)	200,363.11	168,206.90
81378EEA1	3,325,082.01	-	3,325,082.01	3,030,042.82	(295,039.19)	3,030,042.82	2,880,970.89
81379EAA0	445,843.20	-	445,843.20	409,125.62	(36,717.58)	409,125.62	430,709.52
84752CAE7	1,633,787.58	-	1,633,787.58	1,535,515.37	(98,272.21)	1,535,515.37	791,931.67
863579KG2	3,460,787.26	-	3,460,787.26	3,339,320.77	(121,466.49)	3,339,320.77	3,182,371.09
863579YR3	7,440,056.27	-	7,440,056.27	7,217,490.27	(222,566.00)	7,217,490.27	6,686,531.36
86358R3Q8	1,205,956.26	-	1,205,956.26	1,200,264.50	(5,691.76)	1,200,264.50	982,167.28
86358RM46	129,912.67	-	129,912.67	103,247.22	(26,665.45)	103,247.22	122,123.77
86358RUQ8	105,006.50	-	105,006.50	89,035.08	(15,971.42)	89,035.08	91,206.95
86359DD00	1,765,617.79	-	1,765,617.79	1,696,568.33	(69,049.46)	1,696,568.33	1,166,875.20
86359LRCS	17,540.37	-	17,540.37	13,236.91	(4,303.46)	13,236.91	31,935.87
86359LRW1	22,756,103.11	-	22,756,103.11	21,797,764.20	(1958,338.91)	21,797,764.20	16,701,576.04
86359LSM2	1,490,375.66	-	1,490,375.66	1,440,589.88	(49,785.78)	1,440,589.88	1,099,477.16
86360JAA3	11,920,034.77	-	11,920,034.77	11,840,252.44	(79,782.33)	11,840,252.44	7,239,970.92
86360KAF5	36,222,587.38	-	36,222,587.38	35,336,677.60	(885,909.78)	35,336,677.60	24,333,653.21
86360UAF3	4,442,388.60	-	4,442,388.60	4,343,127.77	(199,260.83)	4,343,127.77	3,047,124.63
86361HAA2	13,825,102.94	-	13,825,102.94	13,371,516.87	(453,586.07)	13,371,516.87	9,456,897.06
86363DAA3	10,299,552.90	-	10,299,552.90	10,255,608.56	(43,944.34)	10,255,608.56	7,463,825.12
872227AE3	2,014,117.80	-	2,014,117.80	1,965,394.21	(48,723.59)	1,965,394.21	1,538,096.28
92922F4M7	4,539,232.27	-	4,539,232.27	4,536,178.47	(3,053.80)	4,536,178.47	3,916,451.50
92922F5T1	7,724,800.87	-	7,724,800.87	7,704,580.05	(20,220.82)	7,704,580.05	6,650,764.95
92922F7Q5	9,859,684.75	-	9,859,684.75	9,783,806.88	(75,877.87)	9,783,806.88	8,097,662.24
92925CBB7	4,506,802.70	-	4,506,802.70	4,491,511.62	(15,291.08)	4,491,511.62	3,758,867.25

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

The following is the impairment listing for loan-backed and structured securities for the three months ended December 31, 2010:

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
02146QAB9	\$ 14,448,993.31	\$ -	\$ 14,448,993.31	\$ 14,244,814.08	\$ (204,179.23)	\$ 14,244,814.08	\$ 9,484,475.75
02146TAQ0	18,412,140.00	-	18,412,140.00	18,352,529.00	(59,611.00)	18,352,529.00	18,130,624.75
02146YAD8	20,261,686.16	-	20,261,686.16	19,845,112.54	(316,573.62)	19,845,112.54	14,832,305.08
02147CAA1	10,097,939.94	-	10,097,939.94	9,416,554.84	(681,385.10)	9,416,554.84	7,787,184.64
02660TGN7	8,754,096.98	-	8,754,096.98	8,677,030.04	(77,066.94)	8,677,030.04	5,975,830.40
02660TJB0	23,776,128.29	-	23,776,128.29	23,755,283.44	(20,844.85)	23,755,283.44	15,304,554.36
02660XAD6	12,180,682.71	-	12,180,682.71	11,336,494.86	(844,187.85)	11,336,494.86	9,031,451.90
026929AA7	10,718,076.04	-	10,718,076.04	9,444,878.09	(1,273,197.95)	9,444,878.09	8,315,716.26
026929AD1	9,368,612.93	-	9,368,612.93	9,096,004.65	(272,608.28)	9,096,004.65	6,162,007.37
040104RV5	2,603,098.37	-	2,603,098.37	2,502,489.46	(100,608.91)	2,502,489.46	2,420,836.71
040104TF8	103,869.89	-	103,869.89	103,530.66	(339.23)	103,530.66	79,424.84
040104TG6	1,230,052.26	-	1,230,052.26	1,147,807.90	(82,244.36)	1,147,807.90	1,035,943.88
05539TAU9	251,719.71	-	251,719.71	160,891.91	(90,827.80)	160,891.91	283,300.23
05946XYP2	1,097,222.97	-	1,097,222.97	1,070,289.22	(26,933.75)	1,070,289.22	756,518.81
06652DAA7	6,637,266.97	-	6,637,266.97	6,598,398.37	(38,868.60)	6,598,398.37	5,163,033.88
07386HKS9	416,870.54	-	416,870.54	416,558.95	(311.59)	416,558.95	317,169.75
07386HSP7	5,738,444.67	-	5,738,444.67	5,724,320.80	(14,123.87)	5,724,320.80	4,032,007.24
07387Z9Z2	10,551,946.88	-	10,551,946.88	9,928,106.95	(623,839.93)	9,928,106.95	4,548,895.82
07400XAB4	3,124,249.62	-	3,124,249.62	3,030,931.87	(93,317.75)	3,030,931.87	1,925,943.77
07401LAQ6	3,440,780.83	-	3,440,780.83	3,364,232.01	(76,548.82)	3,364,232.01	2,622,042.19
07820QAY1	7,515,259.03	-	7,515,259.03	7,242,054.27	(273,204.76)	7,242,054.27	5,905,538.13
124860CB1	165,879.86	-	165,879.86	150,674.31	(15,205.55)	150,674.31	123,580.50
12667FUL7	351,690.14	-	351,690.14	211,278.91	(140,411.23)	211,278.91	277,419.77
12667GR62	9,664,947.15	-	9,664,947.15	9,333,922.73	(331,024.42)	9,333,922.73	7,956,062.54
12667GRw5	475,053.45	-	475,053.45	447,078.16	(27,975.29)	447,078.16	369,841.59
12667GS20	13,599,477.60	-	13,599,477.60	13,366,988.50	(232,489.10)	13,366,988.50	8,814,648.76
12667GWf6	7,724,004.83	-	7,724,004.83	7,641,072.51	(82,932.32)	7,641,072.51	5,543,592.60
12668A3Q6	8,585,686.65	-	8,585,686.65	8,381,126.10	(204,560.55)	8,381,126.10	4,753,133.96
12668ACG8	3,839,090.67	-	3,839,090.67	3,750,962.58	(88,128.09)	3,750,962.58	3,747,020.72
12668ACY9	853,860.86	-	853,860.86	770,724.66	(83,136.20)	770,724.66	769,495.18
12668ACZ6	3,710,927.19	-	3,710,927.19	3,637,326.57	(73,600.62)	3,637,326.57	2,464,871.08
12668AEV3	11,793,702.19	-	11,793,702.19	11,375,450.32	(418,251.87)	11,375,450.32	8,396,961.45
12668AGW9	284,909.58	-	284,909.58	276,712.30	(8,197.28)	276,712.30	204,738.25
12668BB77	23,953,380.01	-	23,953,380.01	22,945,237.36	(1,008,142.65)	22,945,237.36	16,350,813.99
12668BDC4	4,967,571.96	-	4,967,571.96	4,951,287.85	(16,284.11)	4,951,287.85	4,017,603.57
12668BE33	15,003,452.29	-	15,003,452.29	14,569,207.83	(434,244.46)	14,569,207.83	9,407,501.88
126694YM4	3,124,425.58	-	3,124,425.58	3,122,304.07	(2,121.51)	3,122,304.07	2,115,448.84
12669GKH3	12,504,442.60	-	12,504,442.60	12,431,945.06	(72,497.54)	12,431,945.06	10,383,416.89
12669GMS7	233,972.43	-	233,972.43	232,261.87	(1,710.56)	232,261.87	179,977.45
14983CAA3	1,463,566.31	-	1,463,566.31	1,332,515.31	(131,051.00)	1,332,515.31	932,463.77
22541SCC0	826,706.05	-	826,706.05	687,210.24	(139,495.81)	687,210.24	589,088.12
22541SXR4	1,581,580.13	-	1,581,580.13	1,542,209.87	(39,370.26)	1,542,209.87	591,680.57
22943HAD8	11,521,669.00	-	11,521,669.00	11,363,834.60	(157,834.40)	11,363,834.60	7,458,495.00
23242TAB2	3,218,904.38	-	3,218,904.38	3,186,203.34	(32,701.04)	3,186,203.34	3,010,086.96
23243AAD8	1,088,087.88	-	1,088,087.88	1,073,143.44	(14,944.44)	1,073,143.44	726,643.99
23245QAA7	2,236,632.77	-	2,236,632.77	2,193,538.17	(43,094.60)	2,193,538.17	1,526,290.38
23332UAS3	105,300.42	-	105,300.42	102,688.24	(2,612.18)	102,688.24	84,880.39
23332UBV5	5,550,856.24	-	5,550,856.24	5,526,622.70	(24,233.54)	5,526,622.70	3,922,868.40
23332UBW3	246,060.64	-	246,060.64	229,762.16	(16,298.48)	229,762.16	215,576.48
23332UDU5	19,008,385.73	-	19,008,385.73	18,993,000.02	(15,385.71)	18,993,000.02	13,049,034.53

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
251510NC3	\$ 13,060,630.74	\$ -	\$ 13,060,630.74	\$ 12,053,318.60	\$ (1,007,312.14)	\$ 12,053,318.60	\$ 3,795,618.41
28140XAE9	60,000.00	-	60,000.00	44,000.00	(16,000.00)	44,000.00	434,488.00
32056CAH2	16,313,358.17	-	16,313,358.17	16,179,762.26	(133,595.91)	16,179,762.26	15,652,469.50
32113JAA3	669,046.59	-	669,046.59	664,840.15	(4,206.44)	664,840.15	463,752.03
36185NXT2	607,806.99	-	607,806.99	579,066.33	(28,740.66)	579,066.33	434,463.62
362341VU0	21,726,452.50	-	21,726,452.50	21,801,162.75	(125,289.75)	21,801,162.75	21,462,550.00
39538RAB5	10,420,093.52	-	10,420,093.52	10,335,053.07	(85,040.45)	10,335,053.07	7,185,141.36
39538RBB4	11,875,207.42	-	11,875,207.42	11,812,145.61	(63,061.81)	11,812,145.61	7,889,543.62
39539GAA0	4,723,502.08	-	4,723,502.08	4,602,605.08	(120,897.00)	4,602,605.08	3,522,368.91
41161PFR9	1,182,169.39	-	1,182,169.39	1,162,212.39	(19,957.00)	1,162,212.39	938,229.25
41161PHC0	7,220,890.30	-	7,220,890.30	7,180,582.16	(40,308.14)	7,180,582.16	6,114,127.23
41161PL43	18,021,510.71	-	18,021,510.71	17,725,530.16	(295,980.55)	17,725,530.16	13,839,434.02
41161PMG5	14,764,069.42	-	14,764,069.42	14,747,417.39	(16,652.03)	14,747,417.39	10,825,471.99
41161PQU0	12,487,307.26	-	12,487,307.26	12,064,330.64	(422,976.62)	12,064,330.64	9,024,146.37
41161PTN3	2,018,723.39	-	2,018,723.39	2,006,348.71	(12,374.68)	2,006,348.71	1,514,261.67
41161PWB5	6,713,071.88	-	6,713,071.88	6,355,988.18	(357,083.70)	6,355,988.18	4,628,490.16
41164YAB7	11,299,500.90	-	11,299,500.90	11,281,563.16	(17,937.74)	11,281,563.16	7,506,090.71
43739EAP2	18,256,115.36	-	18,256,115.36	18,160,418.60	(95,696.76)	18,160,418.60	14,565,045.06
43739EB55	8,374,390.32	-	8,374,390.32	8,355,032.83	(19,357.49)	8,355,032.83	7,301,246.74
45254NHV2	300,691.29	-	300,691.29	290,898.98	(9,792.31)	290,898.98	221,590.91
45254NKF3	4,732,249.11	-	4,732,249.11	4,724,414.59	(7,834.52)	4,724,414.59	4,212,911.91
45254NKX4	6,035,894.45	-	6,035,894.45	5,793,499.74	(242,394.71)	5,793,499.74	4,586,894.75
45254NMB0	1,116,324.90	-	1,116,324.90	1,114,967.03	(1,357.87)	1,114,967.03	1,046,767.51
45254NP8	12,305,621.92	-	12,305,621.92	12,287,880.20	(17,741.72)	12,287,880.20	8,793,161.95
45254NPA9	14,353,564.21	-	14,353,564.21	14,276,967.39	(76,596.82)	14,276,967.39	11,803,031.55
45254NP5	5,082,621.43	-	5,082,621.43	5,046,699.14	(35,922.29)	5,046,699.14	3,681,845.08
45254TRX4	315,244.71	-	315,244.71	311,797.97	(3,446.74)	311,797.97	212,649.49
45660LCN7	4,861,948.71	-	4,861,948.71	4,872,646.45	(189,302.26)	4,872,646.45	4,289,563.44
45660LW96	3,345,312.09	-	3,345,312.09	3,333,349.55	(11,962.54)	3,333,349.55	2,049,580.49
45660N2Y0	1,460,518.34	-	1,460,518.34	1,439,285.52	(21,232.82)	1,439,285.52	1,213,689.11
45660N5H4	5,238,250.73	-	5,238,250.73	5,092,181.63	(146,069.10)	5,092,181.63	4,490,552.83
45661AC4	16,177,827.43	-	16,177,827.43	15,757,798.99	(420,028.44)	15,757,798.99	9,972,143.38
45661EAA2	298,980.75	-	298,980.75	263,718.82	(35,261.93)	263,718.82	289,471.39
45667WA6	4,073,440.73	-	4,073,440.73	4,036,144.37	(43,296.36)	4,036,144.37	3,653,628.08
46627MBQ9	11,584,542.77	-	11,584,542.77	11,442,464.64	(142,078.13)	11,442,464.64	8,550,691.57
46627MCS4	6,841,795.66	-	6,841,795.66	6,674,348.47	(167,447.19)	6,674,348.47	5,665,832.01
525221CD7	208,394.77	-	208,394.77	204,814.80	(3,579.97)	204,814.80	25,158.25
525221EN3	12,151,234.09	-	12,151,234.09	11,933,903.95	(217,330.14)	11,933,903.95	8,037,249.54
550279AA1	4,517,204.18	-	4,517,204.18	4,486,967.25	(30,236.93)	4,486,967.25	3,526,976.39
55027AAU4	5,682,311.67	-	5,682,311.67	5,666,582.61	(15,729.06)	5,666,582.61	3,413,905.12
576433FP6	221,639.77	-	221,639.77	200,504.82	(21,134.95)	200,504.82	196,682.93
576433H33	365,848.12	-	365,848.12	361,400.85	(4,447.27)	361,400.85	263,194.74
576433YN0	1,172,399.01	-	1,172,399.01	1,167,359.81	(5,039.20)	1,167,359.81	799,347.14
576438AA3	3,476,898.70	-	3,476,898.70	3,453,570.46	(23,328.24)	3,453,570.46	3,085,054.98
57643LMP8	2,008,496.40	-	2,008,496.40	1,954,400.49	(54,095.91)	1,954,400.49	1,320,453.00
576444AA1	29.53	-	29.53	23.29	(6.24)	23.29	-
59020UQ40	1,128,590.38	-	1,128,590.38	1,103,360.50	(25,229.88)	1,103,360.50	891,563.44
59020UQ57	3,416,568.40	-	3,416,568.40	3,352,825.48	(63,742.92)	3,352,825.48	1,625,444.00
61750FAE0	698,202.75	-	698,202.75	696,309.51	(1,893.24)	696,309.51	630,519.84
617526AE8	331,183.78	-	331,183.78	312,563.99	(18,619.79)	312,563.99	253,447.48
63543XAH2	130,000.00	-	130,000.00	106,600.00	(23,400.00)	106,600.00	100,000.00
65535VRK6	2,053,386.84	-	2,053,386.84	1,808,029.73	(245,357.11)	1,808,029.73	1,798,044.91
68383NBZ5	4,995,248.40	-	4,995,248.40	4,861,967.52	(133,280.88)	4,861,967.52	4,510,670.83
68383NCA9	23,216,567.84	-	23,216,567.84	22,949,842.55	(266,725.29)	22,949,842.55	16,952,836.53
68383NCU5	8,727,049.17	-	8,727,049.17	8,684,094.28	(42,954.89)	8,684,094.28	6,553,022.59
74922MAB7	9,976,829.50	-	9,976,829.50	9,957,553.79	(19,275.71)	9,957,553.79	6,690,689.74
74922MAC5	1,313,967.96	-	1,313,967.96	1,306,444.63	(7,523.33)	1,306,444.63	923,358.99
75114GAC3	20,855,558.93	-	20,855,558.93	20,459,344.05	(396,214.88)	20,459,344.05	13,690,749.84
75114HAD9	19,345,364.47	-	19,345,364.47	19,101,437.62	(243,926.85)	19,101,437.62	12,468,155.89
75114NAA2	9,810,292.02	-	9,810,292.02	9,660,736.07	(149,555.95)	9,660,736.07	7,607,762.42
75114NAB0	3,500,902.86	-	3,500,902.86	3,472,980.33	(27,922.53)	3,472,980.33	2,681,154.37
76110GUG4	1,860,028.29	-	1,860,028.29	1,836,973.30	(23,054.99)	1,836,973.30	1,424,734.61
76110GV40	3,298,671.74	-	3,298,671.74	3,291,701.66	(6,970.08)	3,291,701.66	2,925,633.99
76110GWG2	1,763,554.67	-	1,763,554.67	1,738,271.52	(25,283.15)	1,738,271.52	1,425,890.71
76110GZR5	2,626,903.39	-	2,626,903.39	2,604,544.59	(22,358.80)	2,604,544.59	2,507,946.62
761118KU1	7,123,239.54	-	7,123,239.54	6,731,093.59	(392,145.95)	6,731,093.59	4,636,155.48

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
761118NN4	\$ 272,375.22	\$ -	\$ 272,375.22	\$ 272,228.16	\$ (147.06)	\$ 272,228.16	\$ 193,133.69
761118RJ9	447,331.77	-	447,331.77	441,894.15	(5,437.62)	441,894.15	300,341.18
761118RM2	20,318,308.98	-	20,318,308.98	20,202,359.80	(115,949.18)	20,202,359.80	14,089,398.71
761118WP9	12,343,002.48	-	12,343,002.48	12,258,008.40	(84,994.08)	12,258,008.40	8,624,730.74
81379EAA0	441,321.15	-	441,321.15	441,271.71	(43.44)	441,271.71	430,672.17
81744FDK0	2,207,402.93	-	2,207,402.93	2,205,145.50	(2,257.43)	2,205,145.50	1,994,487.78
84752CAE7	1,786,191.78	-	1,786,191.78	1,602,574.26	(183,617.52)	1,602,574.26	775,817.37
863579KG2	3,468,240.06	-	3,468,240.06	3,465,239.64	(3,000.42)	3,465,239.64	3,069,608.24
863579YR3	7,892,555.21	-	7,892,555.21	7,741,323.02	(151,232.19)	7,741,323.02	6,707,709.18
86358RE86	2,220.72	-	2,220.72	1,166.98	(1,053.74)	1,166.98	1,248.02
86358RUQ8	137,580.83	-	137,580.83	106,656.56	(30,924.27)	106,656.56	90,568.86
86359LRC5	25,768.65	-	25,768.65	22,657.86	(3,110.79)	22,657.86	11,959.36
86359LRW1	23,619,297.53	-	23,619,297.53	23,421,584.54	(197,712.99)	23,421,584.54	15,152,873.28
86359LSM2	1,558,522.48	-	1,558,522.48	1,544,925.28	(13,597.20)	1,544,925.28	1,140,219.10
86360JAA9	12,329,779.22	-	12,329,779.22	12,182,977.98	(146,801.24)	12,182,977.98	7,383,034.84
86360KAF5	37,622,122.42	-	37,622,122.42	37,324,048.63	(298,073.79)	37,324,048.63	24,987,868.09
86360UAF3	4,619,353.19	-	4,619,353.19	4,534,579.85	(84,773.34)	4,534,579.85	3,054,747.35
86361HAB0	1,243,558.61	-	1,243,558.61	1,174,373.67	(69,184.94)	1,174,373.67	1,161,305.98
872227AE3	2,093,657.77	-	2,093,657.77	2,075,233.45	(18,424.32)	2,075,233.45	1,504,829.86
88157QAL2	631,469.94	-	631,469.94	602,525.35	(28,944.59)	602,525.35	1,861,011.77
92922F4M7	4,676,773.53	-	4,676,773.53	4,672,260.84	(4,512.69)	4,672,260.84	3,944,984.82
92925CBB7	4,648,166.24	-	4,648,166.24	4,633,690.94	(14,475.30)	4,633,690.94	3,728,752.89
92926SAE6	2,476,608.90	-	2,476,608.90	2,380,788.05	(95,820.85)	2,380,788.05	2,357,899.14
939336V1	1,665,245.48	-	1,665,245.48	1,659,798.15	(5,447.33)	1,659,798.15	1,317,493.28
939336X65	216,711.94	-	216,711.94	216,554.26	(157.68)	216,554.26	190,082.01
93934FHC9	9,474,150.60	-	9,474,150.60	9,300,269.87	(173,880.73)	9,300,269.87	6,421,681.71
93934FJQ6	17,379,180.03	-	17,379,180.03	16,974,609.65	(404,570.38)	16,974,609.65	11,708,978.95
94983YAQ2	4,291,700.42	-	4,291,700.42	4,233,445.48	(58,254.94)	4,233,445.48	4,159,640.76
94985JAG5	18,539,304.19	-	18,539,304.19	18,097,976.50	(441,327.69)	18,097,976.50	17,595,764.20
Totals	\$ 968,742,508.30	\$ -	\$ 968,742,508.30	\$ 950,111,416.81	\$ (18,631,091.49)	\$ 950,111,416.81	\$ 708,895,636.97

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

The following is the impairment listing for loan-backed and structured securities for the three months ended September 30, 2010:

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
01853GAB6	\$ 315,577.41	\$ -	\$ 315,577.41	\$ 159,175.94	\$ (156,401.47)	\$ 159,175.94	\$ 228,692.72
021455AB6	217,922.65	-	217,922.65	171,751.47	(46,171.18)	171,751.47	170,440.77
02146QAB9	15,315,148.69	-	15,315,148.69	14,692,679.05	(622,469.64)	14,692,679.05	9,256,180.84
02146YAD8	21,923,476.60	-	21,923,476.60	20,642,177.10	(1,281,299.50)	20,642,177.10	14,758,081.54
02660WAC0	18,118,365.81	-	18,118,365.81	17,825,056.07	(293,309.74)	17,825,056.07	11,582,896.26
02660XAD6	13,521,492.89	-	13,521,492.89	12,557,598.88	(963,894.01)	12,557,598.88	8,975,927.75
05946YYP2	1,135,040.17	-	1,135,040.17	1,124,034.08	(11,006.09)	1,124,034.08	737,774.51
05948JAA0	370,856.12	-	370,856.12	347,733.91	(23,122.21)	347,733.91	301,269.06
05950DAA8	11,258,446.73	-	11,258,446.73	11,029,698.64	(228,748.09)	11,029,698.64	9,759,921.40
06652DAA7	6,940,157.67	-	6,940,157.67	6,813,727.06	(126,430.61)	6,813,727.06	4,627,820.56
07384M4M1	4,031,948.12	-	4,031,948.12	4,023,103.22	(8,844.90)	4,023,103.22	3,982,434.25
07401LAQ6	3,803,505.80	-	3,803,505.80	3,558,486.75	(245,019.05)	3,558,486.75	2,603,896.54
07820QAY1	14,869,432.69	-	14,869,432.69	14,726,798.37	(142,634.32)	14,726,798.37	11,209,675.01
078446AB7	123,800.00	-	123,800.00	106,000.00	(17,800.00)	106,000.00	106,000.00
12667GCB7	206,610.54	-	206,610.54	198,880.54	(7,730.00)	198,880.54	151,324.74
12667GME0	16,487,323.12	-	16,487,323.12	15,961,905.24	(525,417.88)	15,961,905.24	10,694,700.14
12667GR62	10,404,772.50	-	10,404,772.50	9,837,281.25	(567,491.25)	9,837,281.25	7,913,784.95
12667GRW5	539,562.43	-	539,562.43	496,294.98	(43,267.45)	496,294.98	371,758.24
12667GWF6	8,264,162.73	-	8,264,162.73	7,800,347.76	(463,814.97)	7,800,347.76	5,201,353.71
12668ACG8	4,308,051.40	-	4,308,051.40	3,887,776.89	(420,274.51)	3,887,776.89	3,840,170.55
12668AEV3	12,239,368.11	-	12,239,368.11	12,078,961.61	(160,406.50)	12,078,961.61	7,974,606.21
12668AGW9	3,103,267.46	-	3,103,267.46	2,668,946.20	(434,321.26)	2,668,946.20	2,737,185.05
12668BB77	24,696,080.82	-	24,696,080.82	24,696,080.83	0.01	24,696,080.83	16,158,549.89
12669EH33	210,848.74	-	210,848.74	207,664.23	(3,184.51)	207,664.23	220,823.32
12669FKR3	277,129.34	-	277,129.34	270,766.57	(6,362.77)	270,766.57	316,871.38
12669FW82	1,121,578.12	-	1,121,578.12	1,092,542.53	(29,035.59)	1,092,542.53	725,473.49
12669FXP9	490,839.77	-	490,839.77	459,205.84	(31,633.93)	459,205.84	404,276.42
12669GKH3	12,787,611.38	-	12,787,611.38	12,586,116.25	(201,495.13)	12,586,116.25	10,031,422.26
12669GMS7	251,913.89	-	251,913.89	243,913.35	(8,000.54)	243,913.35	176,788.34
12669GRM5	2,939,270.40	-	2,939,270.40	2,842,771.24	(96,499.16)	2,842,771.24	1,936,810.71
12669GRQ6	7,668,435.17	-	7,668,435.17	7,389,352.71	(279,082.46)	7,389,352.71	5,611,698.50
12669GTV3	391,067.66	-	391,067.66	383,623.63	(7,444.03)	383,623.63	273,968.29
12669GUR0	3,668,651.13	-	3,668,651.13	3,563,519.83	(105,131.30)	3,563,519.83	2,522,515.63
17307G3D8	2,831.79	-	2,831.79	-	(2,831.79)	-	533,586.22
22540V3F7	555,689.29	-	555,689.29	555,689.51	0.22	555,689.51	818,652.39
22540VF20	1,516,521.88	-	1,516,521.88	1,464,064.20	(52,457.68)	1,464,064.20	1,450,010.10
22540VG71	154,198.76	-	154,198.76	153,223.28	(975.48)	153,223.28	149,451.18
22541NUB3	1,083,777.04	-	1,083,777.04	1,083,778.44	1.40	1,083,778.44	1,840,135.63
22943HAD8	11,732,570.00	-	11,732,570.00	11,579,553.70	(153,016.30)	11,579,553.70	7,155,180.00
23243AAD8	1,153,405.61	-	1,153,405.61	1,113,903.78	(39,501.83)	1,113,903.78	749,791.47
23245QAA7	2,375,389.07	-	2,375,389.07	2,259,511.63	(115,877.44)	2,259,511.63	1,456,976.36
23332UAR5	8,638,571.19	-	8,638,571.19	8,609,425.68	(29,145.51)	8,609,425.68	6,697,119.18
23332UAS3	112,435.95	-	112,435.95	107,912.99	(4,522.96)	107,912.99	84,845.64
23332UBW3	286,891.33	-	286,891.33	264,732.79	(22,158.54)	264,732.79	222,224.69
251508AB3	8,655,837.10	-	8,655,837.10	8,565,363.51	(90,473.59)	8,565,363.51	5,178,372.00
251510FB4	6,185,608.42	-	6,185,608.42	5,789,092.45	(396,515.97)	5,789,092.45	5,127,079.77
26441EAC5	198,750.00	-	198,750.00	188,500.00	(10,250.00)	188,500.00	137,500.00
359522007	4,307,614.21	-	4,307,614.21	4,307,614.20	(0.01)	4,307,614.20	2,775,156.72
359522023	4,494,729.04	-	4,494,729.04	4,494,729.06	0.02	4,494,729.06	2,904,482.03
359522031	1,455,346.38	-	1,455,346.38	1,455,346.38	-	1,455,346.38	901,984.50
359522056	1,067,384.58	-	1,067,384.58	1,067,384.57	(0.01)	1,067,384.57	605,749.50
359522064	3,438,088.79	-	3,438,088.79	3,438,088.78	(0.01)	3,438,088.78	1,923,484.50
359522A14	587,470.62	-	587,470.62	587,470.60	(0.02)	587,470.60	304,870.08
359522A22	223,281.52	-	223,281.52	223,281.53	0.01	223,281.53	117,992.78
36228F5R3	1,619,436.88	-	1,619,436.88	1,572,476.07	(46,960.81)	1,572,476.07	1,371,519.65
362341VU0	21,771,450.00	-	21,771,450.00	21,710,755.00	(60,695.00)	21,710,755.00	21,415,549.75
39538RAB5	10,694,253.20	-	10,694,253.20	10,679,952.60	(14,300.60)	10,679,952.60	7,266,124.20
39538RBB4	12,307,900.80	-	12,307,900.80	12,182,868.11	(125,032.69)	12,182,868.11	7,754,503.45
39538WHF8	29,262,766.18	-	29,262,766.18	27,411,495.65	(1,851,270.53)	27,411,495.65	19,864,672.06
39539GA00	4,911,882.26	-	4,911,882.26	4,833,348.42	(78,533.84)	4,833,348.42	3,464,247.50
41161PA86	1,701,828.45	-	1,701,828.45	1,490,786.97	(211,041.48)	1,490,786.97	1,629,532.89
41161PHC0	7,493,920.50	-	7,493,920.50	7,389,844.26	(104,076.24)	7,389,844.26	6,175,852.78
41161PHU0	7,220,810.42	-	7,220,810.42	7,137,267.24	(83,543.18)	7,137,267.24	5,910,800.55
41161PKH5	562,454.98	-	562,454.98	541,505.18	(20,949.80)	541,505.18	370,018.19
41161PL43	19,129,744.68	-	19,129,744.68	18,426,719.98	(703,024.70)	18,426,719.98	13,224,900.44
41161PLR2	12,391,086.67	-	12,391,086.67	11,998,519.49	(392,567.18)	11,998,519.49	8,450,271.26
41161PMG5	15,199,514.54	-	15,199,514.54	14,982,039.32	(217,475.22)	14,982,039.32	10,383,699.50
41161PQJ0	13,000,530.43	-	13,000,530.43	12,696,117.28	(304,413.15)	12,696,117.28	8,751,337.13
41161PTN3	2,124,055.82	-	2,124,055.82	2,081,083.69	(42,972.13)	2,081,083.69	1,505,550.45
41161PTP8	553,076.04	-	553,076.04	456,920.13	(96,155.91)	456,920.13	453,781.11
41161PWB5	7,065,569.62	-	7,065,569.62	6,885,660.55	(179,909.07)	6,885,660.55	4,510,555.76
41161PXH1	742,271.49	-	742,271.49	742,271.73	0.24	742,271.73	494,617.80

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
41164YAB7	\$ 11,746,139.88	\$ -	\$ 11,746,139.88	\$ 11,565,082.50	\$ (181,057.38)	\$ 11,565,082.50	\$ 7,332,391.43
43739EAP2	18,849,512.45	-	18,849,512.45	18,784,944.99	(64,567.46)	18,784,944.99	14,536,729.90
43739EBJ5	8,949,624.81	-	8,949,624.81	8,821,659.97	(127,964.84)	8,821,659.97	7,213,477.28
43739EBS5	8,756,562.94	-	8,756,562.94	8,517,869.96	(238,692.98)	8,517,869.96	7,336,631.20
45254NJV0	960,700.04	-	960,700.04	960,700.42	0.38	960,700.42	756,983.83
45254NJK6	46,746.73	-	46,746.73	46,746.72	(0.01)	46,746.72	52,745.72
45254NKA4	224,041.93	-	224,041.93	224,041.80	(0.13)	224,041.80	332,456.34
45254NKD8	(1.32)	-	(1.32)	-	1.32	-	-
45254NKF3	5,018,653.69	-	5,018,653.69	4,908,081.05	(110,572.64)	4,908,081.05	4,300,014.50
45254NKK4	6,124,868.68	-	6,124,868.68	6,124,866.22	(2.46)	6,124,866.22	4,720,907.43
45254NM80	1,163,166.27	-	1,163,166.27	1,161,406.37	(1,753.30)	1,161,406.37	1,068,987.38
45254NPA9	15,036,711.89	-	15,036,711.89	14,719,089.65	(317,622.24)	14,719,089.65	11,892,639.43
45254NPU5	5,258,384.35	-	5,258,384.35	5,198,365.97	(60,018.38)	5,198,365.97	3,758,246.63
45254TRX4	342,613.23	-	342,613.23	316,284.73	(26,328.50)	316,284.73	208,761.84
45254TSM7	4,225,866.17	-	4,225,866.17	3,663,996.17	(561,870.00)	3,663,996.17	2,423,868.49
45660LCN7	5,239,350.62	-	5,239,350.62	5,001,581.94	(237,768.68)	5,001,581.94	3,716,561.91
45660LW96	3,563,424.88	-	3,563,424.88	3,483,454.21	(79,970.67)	3,483,454.21	1,888,667.16
45660LYW3	4,004,451.09	-	4,004,451.09	3,891,019.56	(113,431.53)	3,891,019.56	2,574,399.43
45660N2J3	4,467,285.84	-	4,467,285.84	4,293,555.15	(173,730.69)	4,293,555.15	3,881,904.68
45660N2Y0	948,804.49	-	948,804.49	882,014.06	(66,790.43)	882,014.06	779,188.25
45660N5H4	5,532,813.22	-	5,532,813.22	5,316,557.23	(216,255.99)	5,316,557.23	4,369,019.25
45660NT88	37,194.86	-	37,194.86	37,194.85	(0.01)	37,194.85	30,242.64
45660NT96	2,189,864.31	-	2,189,864.31	2,189,863.24	(1.07)	2,189,863.24	2,284,044.24
45660NZY4	684,972.49	-	684,972.49	544,029.09	(140,943.40)	544,029.09	521,157.79
456612AC4	16,797,506.75	-	16,797,506.75	16,597,595.79	(199,310.96)	16,597,595.79	9,931,944.46
45667WAA6	4,524,224.47	-	4,524,224.47	4,303,109.97	(221,114.50)	4,303,109.97	3,689,400.20
466247UG6	2,482,668.34	-	2,482,668.34	2,390,848.33	(91,820.01)	2,390,848.33	2,331,608.44
466247XE8	6,371,997.72	-	6,371,997.72	6,069,584.73	(302,412.99)	6,069,584.73	4,586,230.71
46627MBQ9	12,050,725.65	-	12,050,725.65	12,032,071.53	(18,654.12)	12,032,071.53	8,788,610.44
46627MCS4	7,327,618.22	-	7,327,618.22	7,150,856.75	(176,761.47)	7,150,856.75	5,708,510.90
525221EN3	10,588,146.60	-	10,588,146.60	10,588,146.58	(0.02)	10,588,146.58	5,298,470.74
52524VAG4	13,212,894.86	-	13,212,894.86	13,089,620.17	(123,274.69)	13,089,620.17	9,184,301.55
52524YAF0	11,991,764.08	-	11,991,764.08	11,641,423.12	(350,340.96)	11,641,423.12	7,760,208.49
550279AA1	4,717,438.29	-	4,717,438.29	4,675,300.57	(42,137.72)	4,675,300.57	3,273,871.94
576433G42	8,850,528.14	-	8,850,528.14	8,129,032.12	(721,496.02)	8,129,032.12	5,594,205.80
576433H33	4,886,747.63	-	4,886,747.63	4,348,051.54	(538,696.09)	4,348,051.54	4,136,601.25
576433YN0	1,214,309.95	-	1,214,309.95	1,197,293.79	(17,016.16)	1,197,293.79	798,990.36
5899292N7	1,415,763.00	-	1,415,763.00	1,343,644.34	(66,118.66)	1,343,644.34	1,414,867.73
589929N38	1,629,558.07	-	1,629,558.07	1,534,775.54	(34,782.53)	1,534,775.54	1,610,979.53
589929X29	5,127,014.56	-	5,127,014.56	4,818,404.16	(308,610.40)	4,818,404.16	4,315,822.14
59020UQ40	1,167,867.51	-	1,167,867.51	1,155,779.25	(12,088.26)	1,155,779.25	893,776.27
59020UUJ2	4,123,214.32	-	4,123,214.32	4,076,568.14	(46,646.18)	4,076,568.14	3,933,855.78
65538DAA3	2,179,558.44	-	2,179,558.44	2,179,557.06	(1.38)	2,179,557.06	2,095,348.68
68389FBW3	27,046.37	-	27,046.37	27,046.35	(0.02)	27,046.35	24,973.66
68402CAC8	0.01	-	0.01	-	(0.01)	-	-
75114NAA2	10,646,212.81	-	10,646,212.81	10,245,995.66	(400,217.15)	10,245,995.66	7,727,336.21
76110GUG4	1,990,234.46	-	1,990,234.46	1,925,874.38	(64,360.08)	1,925,874.38	1,481,729.24
76110GVT5	2,493,562.99	-	2,493,562.99	2,486,158.33	(7,404.66)	2,486,158.33	2,178,268.75
761118FM5	9,752,737.95	-	9,752,737.95	9,354,444.30	(398,293.65)	9,354,444.30	8,617,114.44
761118KU1	7,442,272.50	-	7,442,272.50	7,430,447.20	(11,825.30)	7,430,447.20	4,644,418.74
761118NN4	10,432,656.72	-	10,432,656.72	10,204,239.05	(228,417.67)	10,204,239.05	7,033,121.76
761118PJ9	488,408.80	-	488,408.80	462,987.99	(25,420.81)	462,987.99	300,904.60
761118RM2	21,666,131.31	-	21,666,131.31	20,916,216.23	(743,315.08)	20,916,216.23	14,052,319.33
761118WP9	12,874,173.63	-	12,874,173.63	12,797,095.06	(77,078.57)	12,797,095.06	8,551,632.87
86358RE86	17,366.09	-	17,366.09	2,248.76	(15,117.33)	2,248.76	3,428.27
86358RM46	350,467.76	-	350,467.76	133,851.43	(216,616.33)	133,851.43	108,807.92
86359AHD8	438,703.87	-	438,703.87	438,703.59	(0.28)	438,703.59	330,232.94
86359AKY8	13,278.14	-	13,278.14	2,731.14	(10,547.00)	2,731.14	42,413.30
86359ANH2	1,121,987.38	-	1,121,987.38	1,121,987.74	0.36	1,121,987.74	1,433,412.38
86359BLB5	457,200.74	-	457,200.74	457,200.76	0.02	457,200.76	431,187.77
86360JAA9	12,633,558.24	-	12,633,558.24	12,470,929.45	(162,628.79)	12,470,929.45	7,166,044.85
86360JAE1	9,612,734.02	-	9,612,734.02	9,432,090.49	(180,643.53)	9,432,090.49	6,081,301.19
86360JAN1	3,973,346.86	-	3,973,346.86	3,644,430.16	(328,916.70)	3,644,430.16	2,669,203.75
86362HAA1	9,732,004.85	-	9,732,004.85	9,669,355.43	(62,649.42)	9,669,355.43	6,303,512.25
86363DAA9	11,100,750.94	-	11,100,750.94	10,787,194.86	(313,556.08)	10,787,194.86	7,266,839.92
872227AE3	2,142,462.69	-	2,142,462.69	2,141,670.14	(792.55)	2,141,670.14	1,322,792.73
88157QAL2	688,444.09	-	688,444.09	613,410.93	(75,033.16)	613,410.93	576,698.38
885220FS7	7,996,861.63	-	7,996,861.63	7,964,320.78	(32,540.85)	7,964,320.78	7,662,404.08
92922F3L0	51,484,447.88	-	51,484,447.88	49,433,429.41	(2,051,018.47)	49,433,429.41	49,833,739.27
92922F7Q5	1,876,856.60	-	1,876,856.60	1,874,122.87	(2,733.73)	1,874,122.87	1,492,812.11
92922FB72	1,326,944.28	-	1,326,944.28	1,326,944.06	(0.22)	1,326,944.06	946,078.73
92922FTJ7	1,441,180.90	-	1,441,180.90	1,409,771.75	(31,409.15)	1,409,771.75	1,187,199.76
92922FWU8	4,388,801.07	-	4,388,801.07	4,301,144.68	(87,656.39)	4,301,144.68	3,881,799.87
92922FZ8	9,128,522.75	-	9,128,522.75	9,128,521.67	(1.08)	9,128,521.67	8,102,814.84
9393365V1	1,972,912.19	-	1,972,912.19	1,966,439.22	(6,472.97)	1,966,439.22	1,552,139.95
939336U35	(0.06)	-	(0.06)	-	0.06	-	-
939336X65	224,509.69	-	224,509.69	223,209.26	(1,300.43)	223,209.26	176,455.82
93934FJQ6	18,077,257.88	-	18,077,257.88	18,014,476.77	(62,781.11)	18,014,476.77	11,587,831.43
941034AD2	20,442.00	-	20,442.00	16,601.98	(3,840.02)	16,601.98	13,630.00
94983CAJ6	(4.61)	-	(4.61)	-	4.61	-	-
94983YAQ2	4,572,023.01	-	4,572,023.01	4,458,425.60	(113,597.41)	4,458,425.60	4,319,656.40
DUCHICLC4	1,109,569.70	-	1,109,569.70	-	(1,109,569.70)	-	3,433,329.60
Totals	\$ 915,728,029.86	\$ -	\$ 915,728,029.86	\$ 889,896,058.18	\$ (25,831,971.68)	\$ 889,896,058.18	\$ 673,462,492.71

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

The following is the impairment listing for loan-backed and structured securities for the three months ended June 30, 2010:

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
007036FB7	\$ 506,308.31	\$ -	\$ 506,308.31	\$ 353,176.22	\$ (153,132.09)	\$ 353,176.22	\$ 375,826.24
007036GB6	254,269.21	-	254,269.21	255,648.66	1,379.45	255,648.66	517,632.44
02146QAB9	15,615,907.88	-	15,615,907.88	15,589,355.94	(26,551.94)	15,589,355.94	8,862,529.56
02639MAM8	2,523,018.60	-	2,523,018.60	2,430,740.45	(92,278.15)	2,430,740.45	7,168,920.00
02660TGN7	9,402,539.49	-	9,402,539.49	9,326,784.90	(75,754.59)	9,326,784.90	5,697,189.83
02660THT3	776,911.68	-	776,911.68	756,863.76	(20,047.92)	756,863.76	625,762.47
02660TJB0	25,226,004.23	-	25,226,004.23	25,127,415.69	(98,598.54)	25,127,415.69	13,651,622.67
02660WAC0	18,928,046.80	-	18,928,046.80	18,737,015.28	(191,031.52)	18,737,015.28	11,917,720.39
02660XAD6	13,917,317.42	-	13,917,317.42	13,760,235.52	(157,081.90)	13,760,235.52	8,037,153.38
026929AD1	9,915,586.21	-	9,915,586.21	9,608,012.45	(307,573.76)	9,608,012.45	5,712,241.06
040104QN4	4,369,066.86	-	4,369,066.86	4,328,678.79	(40,388.07)	4,328,678.79	3,590,532.48
05946XYP2	1,209,333.00	-	1,209,333.00	1,174,538.24	(34,794.76)	1,174,538.24	712,239.44
05949AHG8	5,673,610.00	-	5,673,610.00	5,542,818.30	(130,791.70)	5,542,818.30	5,513,028.70
05949ALH1	2,690,654.41	-	2,690,654.41	2,629,721.17	(60,933.24)	2,629,721.17	2,547,139.95
05949AZG8	2,070,443.86	-	2,070,443.86	2,034,655.86	(35,788.00)	2,034,655.86	2,055,226.03
05950DAA8	11,626,583.47	-	11,626,583.47	11,290,314.75	(336,268.72)	11,290,314.75	9,332,578.42
05950HAA9	23,693,004.00	-	23,693,004.00	23,141,186.59	(551,817.41)	23,141,186.59	21,995,696.99
06050HKY3	9,503.64	-	9,503.64	7,749.13	(1754.51)	7,749.13	107,180.90
06652DAA7	7,169,884.57	-	7,169,884.57	7,081,292.54	(88,592.03)	7,081,292.54	4,403,738.16
07384MS60	2,767,075.46	-	2,767,075.46	2,744,790.96	(22,284.50)	2,744,790.96	2,468,965.02
07384YPP5	1,439,498.04	-	1,439,498.04	1,427,416.79	(12,081.25)	1,427,416.79	994,511.08
073854AB7	14,547,536.61	-	14,547,536.61	14,547,268.23	(268.38)	14,547,268.23	9,593,662.37
07386HCM1	410,475.68	-	410,475.68	410,433.82	(41.86)	410,433.82	717,764.47
07386HMB4	2,206,212.41	-	2,206,212.41	2,145,816.24	(60,396.17)	2,145,816.24	2,086,610.95
07386HNQ0	1,169,143.68	-	1,169,143.68	1,138,098.65	(31,045.03)	1,138,098.65	1,120,711.53
07386HSP7	6,077,267.22	-	6,077,267.22	6,034,343.44	(42,923.78)	6,034,343.44	4,050,313.56
073879QF8	780,701.59	-	780,701.59	693,663.03	(87,038.56)	693,663.03	738,464.62
07820QAY1	16,108,296.95	-	16,108,296.95	15,376,997.11	(731,299.84)	15,376,997.11	11,890,461.34
12667FBJ3	2,103,346.28	-	2,103,346.28	2,024,597.73	(78,748.55)	2,024,597.73	1,854,457.95
12667GCB7	1,195,371.77	-	1,195,371.77	1,191,200.19	(4,171.58)	1,191,200.19	1,004,191.24
12667GME0	17,325,071.43	-	17,325,071.43	16,991,998.09	(333,073.34)	16,991,998.09	9,680,970.89
12667GRB2	10,640,126.93	-	10,640,126.93	10,486,910.78	(153,216.15)	10,486,910.78	7,620,818.74
12667GRW5	629,260.22	-	629,260.22	572,770.13	(56,490.09)	572,770.13	381,768.44
12667GS20	14,572,605.05	-	14,572,605.05	14,373,064.89	(199,540.16)	14,373,064.89	8,512,118.07
12667GWF6	8,897,691.57	-	8,897,691.57	8,517,914.13	(379,777.44)	8,517,914.13	4,272,853.01
12667GYX5	1,082,911.40	-	1,082,911.40	1,077,219.96	(5,691.44)	1,077,219.96	1,123,147.89
12668A4B8	15,533,914.88	-	15,533,914.88	15,474,216.29	(59,698.59)	15,474,216.29	8,802,192.78
12668ACG8	4,356,285.62	-	4,356,285.62	4,309,198.33	(47,087.29)	4,309,198.33	3,763,154.21
12668ACY9	868,763.35	-	868,763.35	867,274.80	(1,488.55)	867,274.80	683,676.64
12668AC26	3,947,481.62	-	3,947,481.62	3,886,617.25	(60,864.37)	3,886,617.25	2,443,991.14
12668AEV3	12,695,114.86	-	12,695,114.86	12,478,946.20	(216,168.66)	12,478,946.20	8,251,505.28
12668AGW9	3,107,369.65	-	3,107,369.65	3,101,153.13	(6,216.52)	3,101,153.13	2,597,850.08
12668AVP7	7,795,129.40	-	7,795,129.40	7,710,857.18	(84,272.22)	7,710,857.18	5,193,835.03
12668BB77	25,925,996.12	-	25,925,996.12	25,497,768.88	(428,227.24)	25,497,768.88	15,727,296.84
12669YM4	3,515,131.96	-	3,515,131.96	3,471,228.69	(43,903.27)	3,471,228.69	2,117,464.43
12669BSB6	68,214.25	-	68,214.25	66,602.80	(1,611.45)	66,602.80	51,400.25
12669D3C0	453,249.42	-	453,249.42	353,922.19	(99,327.23)	353,922.19	263,386.11
12669EH33	215,121.06	-	215,121.06	210,774.42	(4,346.64)	210,774.42	201,438.70
12669FKR3	279,676.82	-	279,676.82	277,047.74	(2,629.08)	277,047.74	301,602.52
12669FW82	1,169,473.44	-	1,169,473.44	1,146,440.40	(23,033.04)	1,146,440.40	827,311.10
12669FXP9	514,806.49	-	514,806.49	501,446.89	(13,359.60)	501,446.89	386,818.82
12669GKH3	13,531,928.86	-	13,531,928.86	13,130,558.67	(401,370.19)	13,130,558.67	9,553,324.53
12669GMS7	265,714.32	-	265,714.32	254,490.25	(11,224.07)	254,490.25	164,688.31
12669GRM5	3,116,727.52	-	3,116,727.52	3,005,357.24	(111,370.28)	3,005,357.24	1,846,875.23
12669GRQ6	8,208,780.53	-	8,208,780.53	7,895,004.10	(313,776.43)	7,895,004.10	5,315,178.31
12669GTV3	406,174.77	-	406,174.77	397,648.68	(8,526.09)	397,648.68	237,224.62
12669GUR0	3,897,655.17	-	3,897,655.17	3,790,370.36	(107,284.81)	3,790,370.36	2,290,779.49
12669GXW6	351,507.25	-	351,507.25	242,202.43	(109,304.82)	242,202.43	302,225.04
17307G3D8	(2,831.79)	-	(2,831.79)	136,992.27	139,824.06	136,992.27	560,952.38
17307GH76	169,958.43	-	169,958.43	169,980.47	22.04	169,980.47	272,520.48
17307GMQ8	5,854,785.11	-	5,854,785.11	5,610,286.82	(244,498.29)	5,610,286.82	5,720,968.02
17307GN79	9,961.84	-	9,961.84	9,740.23	(221.61)	9,740.23	21.27
17307GYD4	2,163,091.47	-	2,163,091.47	2,117,675.19	(45,416.28)	2,117,675.19	2,012,594.06
17309QAM6	2,231.78	-	2,231.78	2,045.33	(186.45)	2,045.33	8,518.50
22540V3F7	614,939.20	-	614,939.20	642,839.28	27,900.08	642,839.28	802,463.44
22540VGA4	1,141,469.95	-	1,141,469.95	1,031,537.18	(109,932.77)	1,031,537.18	985,574.79
22541NFL8	4,185,481.58	-	4,185,481.58	4,238,604.97	53,123.39	4,238,604.97	4,604,142.07
22541NJB3	1,133,961.51	-	1,133,961.51	1,081,132.81	(52,828.70)	1,081,132.81	1,568,255.10
22541Q4M1	174,571.43	-	174,571.43	174,967.62	396.19	174,967.62	635,650.80
22541QA44	798,759.12	-	798,759.12	517,358.63	(281,400.49)	517,358.63	519,951.58
22541QDA7	352,039.95	-	352,039.95	356,009.77	3,969.82	356,009.77	482,452.65
22541QFK3	130,407.84	-	130,407.84	132,038.88	1,631.04	132,038.88	270,560.57
22541QQR6	382,964.24	-	382,964.24	272,985.26	(109,978.98)	272,985.26	358,824.15
22541JV1	1,057,682.99	-	1,057,682.99	1,018,477.92	(39,205.07)	1,018,477.92	1,096,086.72
225458RG5	1,992.31	-	1,992.31	312.85	(1,679.46)	312.85	6,1487.86
225458UJ5	6,787,545.89	-	6,787,545.89	6,604,453.51	(183,092.38)	6,604,453.51	6,380,656.44
23245QAA7	2,439,694.46	-	2,439,694.46	2,401,175.93	(38,518.53)	2,401,175.93	1,513,637.22
23332UAC8	5,024,072.52	-	5,024,072.52	4,976,576.38	(47,496.14)	4,976,576.38	3,944,809.11
23332UAR5	9,032,091.21	-	9,032,091.21	8,341,930.52	(90,160.69)	8,341,930.52	6,452,561.01
23332UAS3	129,042.66	-	129,042.66	119,917.67	(9,124.99)	119,917.67	85,819.11
23332UBV5	5,973,723.07	-	5,973,723.07	5,899,242.77	(74,480.30)	5,899,242.77	3,415,484.67
23332UBW3	337,464.82	-	337,464.82	318,124.29	(19,340.53)	318,124.29	234,381.54
23332UCM4	576						

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
251510NC3	\$ 13,316,951.71	\$ -	\$ 13,316,951.71	\$ 13,093,212.80	\$ (223,738.91)	\$ 13,093,212.80	\$ 3,319,842.40
25151AA49	5,678,742.53	-	5,678,742.53	5,510,894.90	(167,847.63)	5,510,894.90	3,340,211.88
30251YAB4	8,679,088.82	-	8,679,088.82	8,561,752.38	(117,336.44)	8,561,752.38	6,544,203.63
318340AB2	715,302.51	-	715,302.51	655,084.75	(60,217.76)	655,084.75	446,529.20
320510CK6	513,662.86	-	513,662.86	510,570.16	(3,092.70)	510,570.16	513,940.90
32056CAH2	16,767,750.62	-	16,767,750.62	16,353,102.24	(414,648.38)	16,353,102.24	14,579,877.39
36185NXT2	812,739.52	-	812,739.52	724,971.02	(87,768.50)	724,971.02	517,197.87
36228FWU6	694,852.71	-	694,852.71	749,918.41	55,065.70	749,918.41	791,443.30
362341XE4	21,136,351.60	-	21,136,351.60	20,955,566.63	(180,784.97)	20,955,566.63	19,996,964.12
36242DBJ1	3,170,252.21	-	3,170,252.21	3,172,205.57	1,953.36	3,172,205.57	3,239,843.01
36242DB25	221,127.41	-	221,127.41	220,508.65	(618.76)	220,508.65	384,723.37
36242DG45	26,686.51	-	26,686.51	25,556.13	(1,130.38)	25,556.13	65,810.87
362480AD7	15,306,913.54	-	15,306,913.54	14,574,735.22	(732,178.32)	14,574,735.22	7,560,686.39
39538RAB5	11,224,577.04	-	11,224,577.04	11,122,756.39	(101,820.65)	11,122,756.39	6,722,573.82
39538RBB4	12,902,584.04	-	12,902,584.04	12,756,707.71	(145,876.33)	12,756,707.71	7,503,703.19
39538WFH6	10,533,879.56	-	10,533,879.56	10,524,374.24	(9,905.32)	10,524,374.24	5,655,248.05
40431KAA8	121,802.54	-	121,802.54	114,791.99	(7,010.55)	114,791.99	111,007.64
41161PA86	1,742,333.74	-	1,742,333.74	1,710,310.67	(32,023.07)	1,710,310.67	1,468,274.23
41161PFR9	1,245,597.66	-	1,245,597.66	1,220,998.45	(24,599.21)	1,220,998.45	910,061.29
41161PHC0	7,878,255.67	-	7,878,255.67	7,809,346.73	(68,908.94)	7,809,346.73	5,473,551.13
41161PHU0	7,500,110.99	-	7,500,110.99	7,320,065.85	(180,045.14)	7,320,065.85	5,172,272.42
41161PKH5	592,949.88	-	592,949.88	569,082.74	(23,867.14)	569,082.74	358,108.55
41161PL43	20,595,562.12	-	20,595,562.12	19,672,347.51	(923,214.61)	19,672,347.51	12,528,065.18
41161PLR2	12,836,963.57	-	12,836,963.57	12,695,687.26	(141,276.31)	12,695,687.26	7,998,693.58
41161PMG5	15,744,794.38	-	15,744,794.38	15,582,186.39	(162,607.99)	15,582,186.39	10,014,326.46
41161PQJ0	13,504,506.01	-	13,504,506.01	13,332,870.43	(171,635.58)	13,332,870.43	8,314,454.20
41161PTN3	2,260,140.25	-	2,260,140.25	2,212,892.84	(47,247.41)	2,212,892.84	1,368,737.99
41161PTP8	680,197.69	-	680,197.69	598,977.79	(81,219.90)	598,977.79	457,820.41
41161PWB5	7,354,902.36	-	7,354,902.36	7,268,594.83	(86,307.53)	7,268,594.83	4,269,594.44
41161PXH1	776,649.84	-	776,649.84	766,983.13	(9,666.71)	766,983.13	482,256.96
43739EAP2	19,692,319.83	-	19,692,319.83	19,508,136.31	(184,183.52)	19,508,136.31	13,873,164.06
43739EBJ5	9,184,578.52	-	9,184,578.52	9,114,977.67	(69,600.85)	9,114,977.67	6,852,275.05
43739EBS5	9,143,774.50	-	9,143,774.50	9,082,906.22	(60,868.28)	9,082,906.22	7,705,855.81
45254NHV2	332,389.41	-	332,389.41	313,830.68	(18,558.73)	313,830.68	265,469.93
45254NJG3	1,377,791.28	-	1,377,791.28	1,354,996.46	(22,794.82)	1,354,996.46	1,129,754.73
45254NJP3	152,018.01	-	152,018.01	140,003.86	(12,014.15)	140,003.86	129,263.01
45254NJV0	995,748.62	-	995,748.62	988,034.44	(7,714.18)	988,034.44	756,422.83
45254NJKX6	216,997.26	-	216,997.26	216,470.47	(526.79)	216,470.47	258,370.87
45254NKA4	288,007.59	-	288,007.59	283,824.85	(4,182.74)	283,824.85	397,161.74
45254NKD8	4,163,419.14	-	4,163,419.14	4,127,893.53	(35,525.61)	4,127,893.53	3,969,187.94
45254NKF3	5,292,740.94	-	5,292,740.94	5,242,219.68	(50,521.26)	5,242,219.68	3,773,830.28
45254NKK4	6,353,961.96	-	6,353,961.96	6,306,017.08	(47,944.88)	6,306,017.08	4,304,014.72
45254NNP8	13,266,078.73	-	13,266,078.73	13,152,113.39	(113,965.34)	13,152,113.39	9,503,832.30
45254NP93	15,520,191.56	-	15,520,191.56	15,475,441.54	(44,750.02)	15,475,441.54	12,262,190.30
45254NPG6	996,338.48	-	996,338.48	905,927.98	(90,410.50)	905,927.98	793,927.97
45254NPU5	5,533,130.64	-	5,533,130.64	5,491,689.68	(41,440.96)	5,491,689.68	3,980,838.30
45254TMK7	56,050.75	-	56,050.75	37,555.51	(18,495.24)	37,555.51	53,697.02
45254TRX4	353,067.87	-	353,067.87	343,129.92	(9,937.95)	343,129.92	231,170.18
45254TSM7	4,367,917.64	-	4,367,917.64	4,328,472.29	(39,445.35)	4,328,472.29	2,567,817.37
45660LCN7	5,472,177.70	-	5,472,177.70	5,390,194.71	(81,982.99)	5,390,194.71	3,620,366.97
45660LKW8	25,766,539.07	-	25,766,539.07	25,517,687.60	(248,851.47)	25,517,687.60	16,653,183.47
45660LW96	3,742,859.43	-	3,742,859.43	3,616,865.10	(125,994.33)	3,616,865.10	1,821,127.78
45660LWD7	3,092,990.17	-	3,092,990.17	3,063,168.12	(29,822.05)	3,063,168.12	3,064,126.77
45660LY94	710,081.02	-	710,081.02	664,588.51	(45,492.51)	664,588.51	436,301.78
45660LYW3	4,338,757.38	-	4,338,757.38	4,137,427.14	(201,330.24)	4,137,427.14	2,358,974.34
45660N2J3	4,759,368.30	-	4,759,368.30	4,704,783.71	(54,584.59)	4,704,783.71	3,829,197.67
45660N5H4	5,740,656.83	-	5,740,656.83	5,660,656.62	(80,000.21)	5,660,656.62	3,872,076.18
45660NQ24	2,239,734.56	-	2,239,734.56	2,225,202.60	(13,531.96)	2,225,202.60	2,147,664.59
45660NRB3	873,931.14	-	873,931.14	733,712.66	(140,218.48)	733,712.66	557,496.77
45660NS30	2,399,798.33	-	2,399,798.33	2,342,587.50	(57,210.83)	2,342,587.50	1,564,347.79
45660NT88	81,305.41	-	81,305.41	79,756.60	(1,548.81)	79,756.60	59,909.07
45660NT96	2,428,975.11	-	2,428,975.11	2,394,834.90	(34,140.21)	2,394,834.90	2,121,465.65
456612AC4	17,568,383.14	-	17,568,383.14	17,378,177.11	(190,206.03)	17,378,177.11	9,481,062.69
45661BAE7	1,352.25	-	1,352.25	61.25	(1,291.00)	61.25	12,563.89
45667WAA6	4,792,234.28	-	4,792,234.28	4,754,531.33	(37,702.95)	4,754,531.33	3,691,509.88
466247UG6	2,713,861.54	-	2,713,861.54	2,600,556.10	(113,305.44)	2,600,556.10	2,415,145.39
466247XE8	6,758,424.68	-	6,758,424.68	6,634,885.67	(123,539.01)	6,634,885.67	4,638,042.23
46627MBQ9	12,706,165.18	-	12,706,165.18	12,614,172.88	(91,992.30)	12,614,172.88	8,982,476.80
46627MCS4	7,769,242.62	-	7,769,242.62	7,627,593.60	(141,649.02)	7,627,593.60	5,761,375.34
46629QAR7	108.28	-	108.28	21.19	(87.09)	21.19	3,762.27
52520MFT5	18,990.36	-	18,990.36	16,017.61	(2,972.75)	16,017.61	12,323.98
525221EN3	13,613,792.66	-	13,613,792.66	13,586,358.28	(27,434.38)	13,586,358.28	6,517,575.94
525221JA6	20,387.82	-	20,387.82	19,195.43	(1,192.39)	19,195.43	133,769.18
52524YAF0	12,812,995.87	-	12,812,995.87	12,472,987.24	(340,008.63)	12,472,987.24	7,314,315.40
550279AA1	4,989,982.47	-	4,989,982.47	4,931,695.78	(58,286.69)	4,931,695.78	3,370,346.43
55027BAA6	15,758,456.37	-	15,758,456.37	15,758,002.47	(453.90)	15,758,002.47	8,858,836.88
57643FP6	484,938.56	-	484,938.56	233,015.00	(251,923.56)	233,015.00	198,404.69
57643G42	9,235,387.92	-	9,235,387.92	9,132,279.58	(103,108.34)	9,132,279.58	5,528,038.04
57643GW0	756,607.16	-	756,607.16	756,626.07	18.91	756,626.07	563,739.39
57643H33	5,052,309.49	-	5,052,309.49	4,998,219.91	(54,089.58)	4,998,219.91	4,077,712.18
57643NH5	1,747,988.73	-	1,747,988.73	1,715,411.82	(32,576.91)	1,715,411.82	1,402,150.68
57643RB4	291,347.44	-	291,347.44	291,445.42	97.98	291,445.42	216,017.14
57643YN0	1,243,677.58	-	1,243,677.58	1			

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
589929E87	\$ 1,076,462.57	\$ -	\$ 1,076,462.57	\$ 957,260.99	\$ (119,201.58)	\$ 957,260.99	\$ 812,066.15
589929P69	257,235.55	-	257,235.55	281,204.89	23,969.34	281,204.89	399,641.63
589929X29	5,242,391.81	-	5,242,391.81	5,145,423.76	(96,968.05)	5,145,423.76	3,534,393.46
59020UQ40	1,299,053.15	-	1,299,053.15	1,281,103.74	(17,949.41)	1,281,103.74	957,851.97
59020UTL9	659,152.21	-	659,152.21	290,313.25	(368,838.96)	290,313.25	556,662.95
59020ULXN0	94,656.80	-	94,656.80	94,491.32	(165.48)	94,491.32	249,777.75
59024WAF4	370,606.61	-	370,606.61	239,976.03	(130,630.58)	239,976.03	32,558.89
61915RA29	5,233.73	-	5,233.73	3,499.48	(1,734.25)	3,499.48	2,995.16
61915RB81	7,459,436.65	-	7,459,436.65	7,370,236.70	(89,199.95)	7,370,236.70	4,886,101.70
61915RB28	910,109.87	-	910,109.87	884,772.79	(25,337.08)	884,772.79	535,030.15
65535VSQ2	919.60	-	919.60	75.11	(844.49)	75.11	1,239.35
65537BAG5	18,623.82	-	18,623.82	17,461.96	(1,161.86)	17,461.96	68,104.61
65538DAA3	3,462,554.95	-	3,462,554.95	3,368,116.41	(94,438.54)	3,368,116.41	2,437,872.57
68383NCA9	25,614,186.91	-	25,614,186.91	25,401,151.38	(213,035.53)	25,401,151.38	18,328,435.72
68383NCU5	9,697,732.73	-	9,697,732.73	9,616,220.52	(81,512.21)	9,616,220.52	6,663,549.29
68383NDT7	9,435,478.24	-	9,435,478.24	9,327,338.77	(108,139.47)	9,327,338.77	5,357,974.25
68389FBW3	30,268.83	-	30,268.83	30,006.94	(261.89)	30,006.94	26,585.98
68402CAC8	690,402.51	-	690,402.51	650,151.19	(40,251.32)	650,151.19	576,733.55
74927WAM6	21,742.29	-	21,742.29	438.25	(21,304.04)	438.25	5,999.54
74927XAM4	10,961.59	-	10,961.59	4,965.82	(5,995.77)	4,965.82	93.76
76110GUG4	2,151,906.35	-	2,151,906.35	2,011,776.12	(140,130.23)	2,011,776.12	1,477,484.29
76110GV40	3,511,988.44	-	3,511,988.44	3,458,157.55	(53,830.89)	3,458,157.55	3,144,514.14
76110GVT5	2,608,281.37	-	2,608,281.37	2,544,862.98	(63,418.39)	2,544,862.98	2,171,794.50
76110GWG2	1,904,669.72	-	1,904,669.72	1,846,585.94	(58,083.78)	1,846,585.94	1,480,379.93
76110GP25	2,830,733.67	-	2,830,733.67	2,727,172.57	(103,561.10)	2,727,172.57	2,619,340.44
76110H4M8	173,901.94	-	173,901.94	178,199.70	4,297.76	178,199.70	226,198.30
76110HKX6	1,815,623.06	-	1,815,623.06	1,815,565.60	(57.46)	1,815,565.60	4,375,134.46
76110HKY4	96,706.90	-	96,706.90	107,840.00	11,133.10	107,840.00	456,938.64
761118FM5	10,258,764.81	-	10,258,764.81	10,107,369.93	(151,394.88)	10,107,369.93	8,649,658.14
761118KU1	7,864,281.28	-	7,864,281.28	7,763,351.40	(100,929.88)	7,763,351.40	4,722,642.75
761118NN4	10,865,451.55	-	10,865,451.55	10,713,286.05	(152,165.50)	10,713,286.05	6,664,737.32
761118RJ9	512,042.11	-	512,042.11	500,603.65	(11,438.46)	500,603.65	289,932.97
761118RM2	22,478,465.29	-	22,478,465.29	22,126,529.15	(351,936.14)	22,126,529.15	12,932,212.80
79549AYA1	1,391,036.96	-	1,391,036.96	1,237,797.08	(153,239.88)	1,237,797.08	771,127.21
79549AYB9	103,695.13	-	103,695.13	76,467.80	(27,227.33)	76,467.80	96,547.72
81744FJH1	280,763.95	-	280,763.95	278,042.85	(2,721.10)	278,042.85	186,558.02
863579DV7	861,077.80	-	861,077.80	502,212.89	(358,864.91)	502,212.89	223,282.96
863579KG2	3,564,434.40	-	3,564,434.40	3,458,836.41	(105,597.99)	3,458,836.41	2,675,888.50
863579YR3	8,639,569.03	-	8,639,569.03	8,548,863.56	(90,705.47)	8,548,863.56	5,886,140.24
86358HRL5	32,228.03	-	32,228.03	-	(32,228.03)	-	28,814.20
86358R3Q8	1,431,054.34	-	1,431,054.34	1,403,225.73	(27,828.61)	1,403,225.73	898,259.61
86358RA49	985,023.73	-	985,023.73	638,664.85	(346,358.88)	638,664.85	988,895.09
86358RLG0	176,593.47	-	176,593.47	39,864.17	(136,729.30)	39,864.17	135,590.97
86358RM46	418,806.87	-	418,806.87	350,865.15	(67,941.72)	350,865.15	136,985.95
86358RUQ8	109,155.89	-	109,155.89	93,865.83	(15,290.06)	93,865.83	79,356.52
86358RUQ8	141,196.42	-	141,196.42	139,671.99	(1524.43)	139,671.99	85,808.64
86359A5E9	264,596.43	-	264,596.43	263,564.52	(1,031.91)	263,564.52	216,159.86
86359ACD3	656,126.25	-	656,126.25	507,121.72	(149,004.53)	507,121.72	551,710.52
86359ADN0	1,073,524.85	-	1,073,524.85	774,365.98	(299,158.87)	774,365.98	730,270.87
86359AEH2	141,366.63	-	141,366.63	41,550.70	(99,815.93)	41,550.70	31,541.10
86359AH8	452,608.99	-	452,608.99	443,236.83	(9,372.16)	443,236.83	339,586.43
86359AKY8	(10,547.00)	-	(10,547.00)	5,660.13	16,207.13	5,660.13	46,426.05
86359ANH2	1,458,172.13	-	1,458,172.13	1,432,403.29	(25,768.84)	1,432,403.29	1,725,769.10
86359AVY6	224,533.64	-	224,533.64	231,803.87	7,270.23	231,803.87	293,709.37
86359AXX6	1,066,811.06	-	1,066,811.06	1,134,333.93	67,522.87	1,134,333.93	1,542,683.19
86359AZE6	492,100.17	-	492,100.17	491,564.45	(535.72)	491,564.45	627,247.04
86359BLB5	1,494,987.65	-	1,494,987.65	1,451,142.79	(43,844.86)	1,451,142.79	1,346,410.99
86359LSM2	1,680,803.11	-	1,680,803.11	1,664,068.93	(16,734.18)	1,664,068.93	1,050,640.79
86360JAA9	12,930,329.94	-	12,930,329.94	12,800,678.74	(129,651.20)	12,800,678.74	7,004,562.45
86360JAN1	4,713,165.48	-	4,713,165.48	4,014,642.52	(698,522.96)	4,014,642.52	2,573,367.08
86363DAA9	11,413,218.57	-	11,413,218.57	11,310,432.42	(102,786.15)	11,310,432.42	7,023,081.39
885220FS7	8,572,565.34	-	8,572,565.34	8,438,322.89	(134,242.45)	8,438,322.89	7,843,984.83
929093AA0	1,252,834.30	-	1,252,834.30	935,033.68	(317,800.62)	935,033.68	338,058.07
929227EN2	213,179.95	-	213,179.95	179,569.89	(33,610.06)	179,569.89	186,736.90
92922F3L0	53,334,252.88	-	53,334,252.88	51,423,138.33	(191,114.55)	51,423,138.33	51,154,366.62
92922F4M7	4,958,037.02	-	4,958,037.02	4,916,637.79	(41,399.23)	4,916,637.79	3,817,204.07
92922F5T1	8,484,809.52	-	8,484,809.52	8,411,301.43	(73,508.09)	8,411,301.43	6,360,568.93
92922F7A0	1,420,576.36	-	1,420,576.36	808,359.63	(612,216.73)	808,359.63	1,144,308.11
92922F7Q5	11,030,151.81	-	11,030,151.81	10,921,009.73	(109,142.08)	10,921,009.73	8,015,966.71
92922FB72	1,382,053.83	-	1,382,053.83	1,369,454.62	(12,599.21)	1,369,454.62	906,685.01
92922FG77	12,404,165.49	-	12,404,165.49	11,857,723.25	(546,442.24)	11,857,723.25	11,581,387.02
92922FQ76	232,385.69	-	232,385.69	232,416.43	30.74	232,416.43	283,408.59
92922FTJ7	1,524,747.41	-	1,524,747.41	1,465,394.68	(59,352.73)	1,465,394.68	1,163,810.77
92922FW61	1,157,312.43	-	1,157,312.43	894,487.71	(262,824.72)	894,487.71	902,785.82
92922FWU8	4,575,811.82	-	4,575,811.82	4,488,437.15	(87,374.67)	4,488,437.15	3,857,829.43
92922FZP8	9,673,825.63	-	9,673,825.63	9,580,940.89	(92,884.74)	9,580,940.89	7,449,739.94
92925CBB7	4,956,363.66	-	4,956,363.66	4,911,005.27	(45,358.39)	4,911,005.27	3,398,387.13
93933PT4	14,209.95	-	14,209.95	16,868.38	2,658.43	16,868.38	112,136.25
93933GU35	1,637,266.69	-	1,637,266.69	1,635,985.00	(1281.69)	1,635,985.00	1,882,267.13
93933GX65	12,911,420.23	-	12,911,420.23	12,785,497.61	(125,922.62)	12,785,497.61	10,330,075.25
93933Z248	4,607,693.45	-	4,607,693.45	4,598,787.92	(8,905.53)	4,598,787.92	4,206,622.82
93934FHC9	10,118,393.98	-	10,118,393.98	9,981,069.16	(137,324.82)	9,981,069.16	5,938,722.60
93934FJQ6	18,919,093.45	-	18,919,093.45	18,636,019.20	(283,074.25)	18,636,019.20	11,053,573.31
94981VAX5	1,102,785.13	-	1,102,785.13	1,100,448.27	(2,336.86)	1,100,44	

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

The following is the impairment listing for loan-backed and structured securities for the three months ended March 31, 2010:

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
007036FB7	\$ 2,453,688.48	\$ -	\$ 2,453,688.48	\$ 534,425.13	\$ (1,919,263.35)	\$ 534,425.13	\$ 349,508.39
007036FY7	24,525.31	-	24,525.31	16,981.28	(7,544.03)	16,981.28	16,756.74
007036GB6	452,415.25	-	452,415.25	302,370.50	(150,044.75)	302,370.50	325,127.38
02639MAK2	18,335,555.90	-	18,335,555.90	17,087,910.65	(1,247,645.25)	17,087,910.65	14,669,129.10
02660TBF9	1,933,645.37	-	1,933,645.37	610,617.59	(1,323,027.78)	610,617.59	1,427,102.41
02660TGN7	9,518,822.57	-	9,518,822.57	9,515,580.70	(3,241.87)	9,515,580.70	5,931,888.65
02660WAC0	19,504,543.37	-	19,504,543.37	19,015,978.26	(488,565.11)	19,015,978.26	11,965,232.87
02660XAD6	14,546,896.60	-	14,546,896.60	14,122,596.11	(424,300.49)	14,122,596.11	9,346,561.00
040104QN4	4,868,078.45	-	4,868,078.45	4,749,280.59	(118,797.86)	4,749,280.59	4,159,964.26
05946XYP2	1,263,430.72	-	1,263,430.72	1,241,498.36	(21,932.36)	1,241,498.36	740,046.66
05948JAA0	377,018.03	-	377,018.03	371,560.85	(5,457.18)	371,560.85	285,985.91
05949AHG8	5,864,012.59	-	5,864,012.59	5,792,053.62	(71,958.97)	5,792,053.62	5,548,665.42
05949ALH1	2,788,640.95	-	2,788,640.95	2,767,067.21	(21,573.74)	2,767,067.21	2,708,085.34
05949AZG8	2,250,828.83	-	2,250,828.83	2,139,506.99	(111,321.84)	2,139,506.99	2,104,144.70
05950DAA8	12,137,989.08	-	12,137,989.08	11,873,752.53	(264,236.55)	11,873,752.53	9,716,423.19
05950HAA9	24,333,569.53	-	24,333,569.53	24,069,760.37	(263,809.16)	24,069,760.37	22,103,331.00
06050HKX5	726,208.27	-	726,208.27	638,679.73	(87,528.54)	638,679.73	355,148.77
06050HKY3	291,082.57	-	291,082.57	11,643.40	(279,439.17)	11,643.40	92,176.41
06652DAA7	7,594,959.54	-	7,594,959.54	7,271,154.06	(323,805.48)	7,271,154.06	4,475,435.31
07384MS60	2,967,228.97	-	2,967,228.97	2,953,642.19	(13,586.78)	2,953,642.19	2,753,314.06
07384MSP8	652,279.17	-	652,279.17	249,054.64	(403,224.53)	249,054.64	458,090.20
07384YPP5	3,540,444.57	-	3,540,444.57	1,602,667.70	(1,937,776.87)	1,602,667.70	1,002,156.71
073854AB7	15,781,621.86	-	15,781,621.86	13,982,208.45	(1,799,413.41)	13,982,208.45	9,659,937.28
07386HCM1	1,057,528.53	-	1,057,528.53	420,552.03	(636,976.50)	420,552.03	707,317.87
07386HMB4	2,544,819.91	-	2,544,819.91	2,399,703.53	(145,116.38)	2,399,703.53	2,223,400.41
07386HSP7	6,373,744.64	-	6,373,744.64	6,231,520.21	(142,224.43)	6,231,520.21	4,264,113.53
073879QF8	1,052,690.23	-	1,052,690.23	810,912.07	(241,778.16)	810,912.07	616,584.28
073879292	11,621,639.60	-	11,621,639.60	9,616,279.93	(2,005,359.67)	9,616,279.93	4,585,041.57
07820QAY1	17,270,978.53	-	17,270,978.53	16,334,265.50	(936,713.03)	16,334,265.50	12,391,361.40
078446AB7	158,000.00	-	158,000.00	135,000.00	(23,000.00)	135,000.00	135,000.00
12479DAC2	14,814,472.13	-	14,814,472.13	10,481,540.76	(4,332,931.37)	10,481,540.76	12,623,166.27
12629AEK1	3,305.17	-	3,305.17	1,855.03	(1,450.14)	1,855.03	16,321.24
12638PAL3	85.45	-	85.45	55.07	(30.38)	55.07	245.24
12667FUL7	765,016.22	-	765,016.22	374,418.18	(390,598.04)	374,418.18	282,015.42
12667GCB7	1,247,773.59	-	1,247,773.59	1,244,766.76	(3,006.83)	1,244,766.76	1,006,637.33
12667GME0	17,856,951.29	-	17,856,951.29	17,358,021.50	(498,929.79)	17,358,021.50	10,010,579.82
12667GR62	11,553,888.87	-	11,553,888.87	11,077,060.04	(476,828.83)	11,077,060.04	7,783,552.02
12667GRW5	752,425.95	-	752,425.95	638,937.01	(113,488.94)	638,937.01	393,389.01
12667GS20	14,984,870.18	-	14,984,870.18	14,603,479.12	(381,391.06)	14,603,479.12	8,473,996.90
12667GWF6	9,314,884.23	-	9,314,884.23	8,899,557.04	(415,327.19)	8,899,557.04	4,449,607.75
12667GYX5	1,178,006.28	-	1,178,006.28	1,148,664.89	(29,341.39)	1,148,664.89	1,172,667.48
12668A3V5	5,302.70	-	5,302.70	3,250.28	(2,052.42)	3,250.28	31,126.84
12668ACG8	4,562,252.57	-	4,562,252.57	4,428,668.32	(133,584.25)	4,428,668.32	3,839,846.65
12668ACY9	930,532.21	-	930,532.21	918,663.59	(11,868.62)	918,663.59	725,290.39
12668AC26	3,972,862.43	-	3,972,862.43	3,957,478.64	(15,383.79)	3,957,478.64	2,521,691.24
12668AEV3	12,945,842.36	-	12,945,842.36	12,690,145.00	(255,697.36)	12,690,145.00	7,663,002.82
12668AGW9	3,165,426.49	-	3,165,426.49	3,150,569.66	(14,856.83)	3,150,569.66	2,826,591.59
12668AVP7	8,140,249.88	-	8,140,249.88	8,083,319.57	(56,930.31)	8,083,319.57	5,455,786.21
12668BDR1	7,725.61	-	7,725.61	6,239.02	(1,486.59)	6,239.02	53,236.48
126694F86	1,138.45	-	1,138.45	142.31	(996.14)	142.31	13,742.52
126694P36	769.13	-	769.13	744.38	(24.75)	744.38	11,289.62
126694YM4	3,648,371.76	-	3,648,371.76	3,622,223.00	(26,148.76)	3,622,223.00	2,047,117.51
126694YW2	2,948.00	-	2,948.00	2,380.73	(567.27)	2,380.73	264,800.08
126694ZD3	1,177.20	-	1,177.20	993.39	(183.81)	993.39	5,467.70
12669D3C0	486,730.56	-	486,730.56	454,969.05	(31,761.51)	454,969.05	262,534.26
12669EH33	242,081.18	-	242,081.18	241,168.56	(912.62)	241,168.56	235,448.53
12669FKP3	283,550.79	-	283,550.79	282,929.33	(621.46)	282,929.33	313,015.97
12669FW82	1,232,827.80	-	1,232,827.80	1,184,490.41	(48,337.39)	1,184,490.41	843,944.08
12669FXR9	617,953.10	-	617,953.10	581,117.30	(36,835.80)	581,117.30	452,538.83
12669GKH3	14,121,110.26	-	14,121,110.26	13,692,829.24	(428,281.02)	13,692,829.24	9,975,042.83
12669GMS7	286,281.76	-	286,281.76	276,320.63	(9,961.13)	276,320.63	175,183.45
12669GRM5	3,213,471.26	-	3,213,471.26	3,139,096.50	(74,374.76)	3,139,096.50	1,864,520.48
12669GRQ6	8,410,831.51	-	8,410,831.51	8,182,866.55	(227,964.96)	8,182,866.55	5,310,114.19
12669GTV3	413,035.72	-	413,035.72	405,784.70	(7,251.02)	405,784.70	243,793.15
12669GUR0	4,029,454.29	-	4,029,454.29	3,965,969.97	(63,484.32)	3,965,969.97	2,400,594.43
161551FD3	1,657,936.70	-	1,657,936.70	1,648,866.19	(9,070.51)	1,648,866.19	1,415,497.04
17307G3D8	1,915,753.19	-	1,915,753.19	461,733.62	(1,454,019.57)	461,733.62	81,605.45
17307GH76	371,250.73	-	371,250.73	186,799.35	(184,451.38)	186,799.35	267,832.05
17307GMQ8	6,168,397.65	-	6,168,397.65	6,063,224.90	(105,172.75)	6,063,224.90	6,045,450.00
17309MAF0	38,073.65	-	38,073.65	23,798.74	(14,274.91)	23,798.74	56,073.51
17309QAM6	3,000.00	-	3,000.00	2,231.78	(768.22)	2,231.78	7,518.00
17309RAM4	3,211.91	-	3,211.91	2,006.63	(1,205.28)	2,006.63	31,031.70
17309SAM2	1,221.18	-	1,221.18	913.99	(307.19)	913.99	1,923.72
17309YAK3	265.61	-	265.61	187.26	(78.35)	187.26	1,701.14
17310UAE2	3,101.60	-	3,101.60	2,218.10	(883.50)	2,218.10	38,559.49
22540V3F7	2,275,694.27	-	2,275,694.27	698,301.03	(1,577,393.24)	698,301.03	1,301,934.10
22540V5D0	77,142.36	-	77,142.36	21,137.83	(56,004.53)	21,137.83	73,827.51
22540VF20	1,681,559.50	-	1,681,559.50	1,604,721.05	(76,838.45)	1,604,721.05	1,436,228.70
22540VG71	165,343.82	-	165,343.82	162,283.63	(3,060.19)	162,283.63	148,378.53
22540VGA4	1,738,277.77	-	1,738,277.77	1,186,868.24	(551,409.53)	1,186,868.24	999,172.82
22540VQ70	1,122,283.72	-	1,122,283.72	1,010,057.39	(112,226.33)	1,010,057.39	653,088.97
22541NFL8	4,821,216.43	-	4,821,216.43	4,351,713.78	(469,502.65)	4,351,713.78	4,476,331.65
22541NMA4	1,398,837.57	-	1,398,837.57	1,330,802.93	(68,034.64)	1,330,802.93	1,058,995.73
22541NMB2	391,647.47	-	391,647.47	245,148.15	(146,499.32)	245,1	

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
22541NTH2	\$ 114,360.35	\$ -	\$ 114,360.35	\$ 19,467.53	\$ (94,892.82)	\$ 19,467.53	\$ 65,910.45
22541NUB3	2,751,670.42	-	2,751,670.42	1,142,047.70	(1,609,622.72)	1,142,047.70	1,560,501.67
22541Q4M1	946,992.48	-	946,992.48	196,498.73	(750,493.75)	196,498.73	615,985.53
22541QA44	1,102,838.83	-	1,102,838.83	838,439.53	(264,399.30)	838,439.53	648,230.30
22541QDA7	893,231.21	-	893,231.21	400,784.87	(492,446.34)	400,784.87	542,856.12
22541QFK3	361,287.41	-	361,287.41	140,035.09	(221,252.32)	140,035.09	225,090.49
22541QQR6	1,031,789.48	-	1,031,789.48	389,761.48	(642,028.00)	389,761.48	349,545.67
22541SFL7	613.42	-	613.42	40.85	(572.57)	40.85	282.11
22541JV1	3,709,003.03	-	3,709,003.03	1,069,449.76	(2,639,553.27)	1,069,449.76	1,089,416.14
22541SXR4	1,752,619.87	-	1,752,619.87	1,572,097.61	(180,522.26)	1,572,097.61	819,437.21
22545UJ5	7,110,466.01	-	7,110,466.01	7,074,122.95	(36,343.06)	7,074,122.95	6,641,529.32
22547OR88	677,276.99	-	677,276.99	-	(677,276.99)	-	-
2254W0NK7	1,173,818.08	-	1,173,818.08	760,226.30	(413,591.78)	760,226.30	750,308.00
22943HAD8	11,922,928.16	-	11,922,928.16	11,833,184.00	(89,744.16)	11,833,184.00	6,567,975.00
23245QAA7	2,491,649.89	-	2,491,649.89	2,454,217.55	(37,432.34)	2,454,217.55	1,605,827.56
23332UAC8	5,477,058.53	-	5,477,058.53	5,076,677.70	(400,380.83)	5,076,677.70	4,133,497.96
23332UAR5	9,942,332.80	-	9,942,332.80	9,142,826.69	(799,506.11)	9,142,826.69	6,488,431.57
23332UAS3	176,471.15	-	176,471.15	131,790.31	(44,680.84)	131,790.31	79,869.39
23332UBG8	6,917,454.70	-	6,917,454.70	6,723,925.69	(193,529.01)	6,723,925.69	4,422,271.03
23332UBV5	6,463,303.41	-	6,463,303.41	6,155,042.41	(308,261.00)	6,155,042.41	3,652,777.34
23332UBW3	466,359.66	-	466,359.66	365,786.21	(100,573.45)	365,786.21	249,078.55
23332UCM4	620,141.55	-	620,141.55	596,863.72	(23,277.83)	596,863.72	393,036.85
23332UDU5	20,873,214.78	-	20,873,214.78	20,535,208.92	(338,005.86)	20,535,208.92	12,802,892.92
251510EH2	31,386,373.97	-	31,386,373.97	29,776,920.83	(1,609,453.14)	29,776,920.83	23,554,371.60
251510FB4	7,006,196.35	-	7,006,196.35	6,932,571.07	(73,625.28)	6,932,571.07	5,597,637.24
251510NB5	5,194,850.34	-	5,194,850.34	5,126,868.69	(67,981.65)	5,126,868.69	4,170,830.93
251510NC3	14,323,115.79	-	14,323,115.79	13,322,014.84	(1,001,100.95)	13,322,014.84	3,492,455.94
26441EAC5	251,750.00	-	251,750.00	198,750.00	(53,000.00)	198,750.00	225,000.00
30251YAB4	8,734,778.32	-	8,734,778.32	8,733,046.45	(1,731.87)	8,733,046.45	6,591,850.01
318340AB2	718,001.87	-	718,001.87	715,352.80	(2,649.07)	715,352.80	499,575.78
32051GZ57	6,893,588.46	-	6,893,588.46	6,639,958.44	(253,630.02)	6,639,958.44	6,128,064.02
32056CAH2	17,234,064.17	-	17,234,064.17	16,715,349.63	(518,714.54)	16,715,349.63	13,812,531.77
359522007	5,923,357.50	-	5,923,357.50	6,153,734.58	230,377.08	6,153,734.58	2,614,467.35
359522023	4,511,207.33	-	4,511,207.33	4,731,293.75	220,086.42	4,731,293.75	2,017,445.52
359522031	4,688,529.85	-	4,688,529.85	4,851,154.60	162,624.75	4,851,154.60	1,984,276.13
359522049	4,383,058.82	-	4,383,058.82	4,393,146.88	10,088.06	4,393,146.88	1,675,385.40
359522056	4,285,422.23	-	4,285,422.23	4,269,538.30	(15,883.93)	4,269,538.30	1,598,247.30
359522064	4,622,032.21	-	4,622,032.21	4,584,118.38	(37,913.83)	4,584,118.38	1,691,625.00
359522A06	12,498,712.41	-	12,498,712.41	12,575,211.46	76,499.05	12,575,211.46	4,485,745.61
359522A14	581,463.26	-	581,463.26	587,470.60	6,007.34	587,470.60	201,154.51
359522A22	891,667.03	-	891,667.03	893,126.09	1,459.06	893,126.09	311,226.52
36228F5P3	1,784,822.54	-	1,784,822.54	1,778,747.31	(6,075.23)	1,778,747.31	1,458,742.78
36228FWU6	1,556,604.65	-	1,556,604.65	823,352.71	(733,251.94)	823,352.71	812,440.43
362341XE4	22,425,896.22	-	22,425,896.22	22,368,539.44	(57,356.78)	22,368,539.44	21,096,283.99
36242D324	36,379.87	-	36,379.87	15,591.36	(20,788.51)	15,591.36	37,656.00
36242DBJ1	3,438,269.83	-	3,438,269.83	3,420,420.30	(17,849.53)	3,420,420.30	3,500,314.50
36242DB25	429,175.02	-	429,175.02	225,117.23	(204,057.79)	225,117.23	295,550.48
36242DGA5	69,435.41	-	69,435.41	26,274.41	(43,161.00)	26,274.41	58,577.90
39538RAB5	11,623,755.02	-	11,623,755.02	11,432,435.14	(191,319.88)	11,432,435.14	7,057,154.77
39538RBB4	13,378,059.89	-	13,378,059.89	13,024,188.11	(353,871.78)	13,024,188.11	7,609,786.63
40430HCQ9	2,200.00	-	2,200.00	2,100.64	(99.36)	2,100.64	10,717.00
40431KA48	149,189.31	-	149,189.31	142,514.17	(6,675.14)	142,514.17	133,381.48
40431RAN5	1,710.12	-	1,710.12	1,258.01	(452.11)	1,258.01	16,720.13
41161PA86	1,861,912.82	-	1,861,912.82	1,793,823.19	(68,089.63)	1,793,823.19	1,456,655.50
41161PHC0	8,480,233.29	-	8,480,233.29	8,047,261.87	(432,971.42)	8,047,261.87	5,713,154.60
41161PHU0	8,069,968.77	-	8,069,968.77	7,684,462.58	(385,506.19)	7,684,462.58	5,347,306.39
41161PKH5	658,084.51	-	658,084.51	606,795.26	(51,299.25)	606,795.26	372,600.09
41161PL43	20,523,288.84	-	20,523,288.84	20,419,930.24	(103,359.60)	20,419,930.24	12,791,895.31
41161PLR2	13,321,773.78	-	13,321,773.78	12,987,652.51	(334,121.27)	12,987,652.51	8,321,877.67
41161PMG5	16,048,389.29	-	16,048,389.29	15,731,418.89	(316,970.40)	15,731,418.89	9,998,660.91
41161PQU0	13,826,326.41	-	13,826,326.41	13,555,850.58	(270,475.83)	13,555,850.58	8,626,403.84
41161PSC8	14,528.64	-	14,528.64	14,033.60	(495.04)	14,033.60	124,376.82
41161PTN3	2,302,587.27	-	2,302,587.27	2,267,897.68	(34,689.59)	2,267,897.68	1,459,874.85
41161PTP8	743,972.74	-	743,972.74	667,587.10	(76,385.64)	667,587.10	462,175.37
41161PWB5	7,452,210.68	-	7,452,210.68	7,343,571.23	(108,639.45)	7,343,571.23	4,400,431.53
41161PXH1	832,815.67	-	832,815.67	806,920.48	(25,895.19)	806,920.48	523,731.19
43739EAP2	20,692,394.62	-	20,692,394.62	20,035,045.20	(657,349.42)	20,035,045.20	14,146,968.62
43739EBJ5	9,470,912.02	-	9,470,912.02	9,396,575.94	(74,336.08)	9,396,575.94	7,270,684.58
43739EBS5	9,390,295.34	-	9,390,295.34	9,389,284.23	(1,011.11)	9,389,284.23	7,607,314.18
45254NHV2	341,137.23	-	341,137.23	339,614.90	(1,522.33)	339,614.90	116,101.73
45254NJG3	1,424,847.27	-	1,424,847.27	1,419,982.71	(4,864.56)	1,419,982.71	999,106.62
45254NJV0	1,051,000.26	-	1,051,000.26	1,018,268.36	(32,731.90)	1,018,268.36	739,380.20
45254NJK6	231,656.42	-	231,656.42	225,351.66	(6,304.76)	225,351.66	226,639.33
45254NKA4	331,844.54	-	331,844.54	318,869.14	(12,975.40)	318,869.14	283,301.03
45254NKD8	4,272,196.68	-	4,272,196.68	4,241,554.76	(30,641.92)	4,241,554.76	4,079,501.13
45254NKF3	5,411,268.71	-	5,411,268.71	5,375,358.55	(35,910.16)	5,375,358.55	3,907,449.03
45254NKK4	6,445,811.39	-	6,445,811.39	6,424,443.63	(21,367.76)	6,424,443.63	4,379,416.71
45254NNP8	14,083,007.01	-	14,083,007.01	13,666,815.37	(416,191.64)	13,666,815.37	9,121,771.55
45254NPA9	15,940,578.75	-	15,940,578.75	15,933,131.06	(7,447.69)	15,933,131.06	12,708,722.73
45254NPGB6	1,175,882.71	-	1,175,882.71	1,157,848.67	(18,034.04)	1,157,848.67	738,933.65
45254NPU5	5,653,762.95	-	5,653,762.95	5,641,300.15	(12,462.80)	5,641,300.15	3,776,426.59
45254TMK7	130,530.47	-	130,530.47	62,513.91	(68,016.56)	62,513.91	54,380.80

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
45254TRX4	\$ 357,025.60	\$ -	\$ 357,025.60	\$ 356,784.07	\$ (241.53)	\$ 356,784.07	\$ 245,781.75
45254TSM7	4,512,352.74	-	4,512,352.74	4,462,272.27	(50,080.47)	4,462,272.27	2,348,642.95
45660LCN7	6,176,052.77	-	6,176,052.77	5,616,319.65	(559,733.12)	5,616,319.65	3,703,076.80
45660LKW8	26,921,535.01	-	26,921,535.01	26,267,530.99	(654,004.02)	26,267,530.99	15,970,287.96
45660LN81	317,976.95	-	317,976.95	190,647.02	(127,329.93)	190,647.02	231,828.20
45660LW96	3,873,134.29	-	3,873,134.29	3,780,548.16	(92,586.13)	3,780,548.16	2,275,316.34
45660LWD7	3,519,060.59	-	3,519,060.59	3,203,246.84	(315,813.75)	3,203,246.84	3,190,219.08
45660LYW3	4,523,469.44	-	4,523,469.44	4,414,090.05	(109,379.39)	4,414,090.05	2,583,596.05
45660NZJ3	5,481,285.28	-	5,481,285.28	4,983,344.33	(497,940.95)	4,983,344.33	4,233,633.23
45660NZY0	1,851,786.83	-	1,851,786.83	1,737,903.11	(113,883.72)	1,737,903.11	1,309,299.43
45660N5S2	5,620,388.09	-	5,620,388.09	5,556,993.78	(63,394.31)	5,556,993.78	3,925,153.28
45660N5H4	6,500,812.68	-	6,500,812.68	5,938,529.30	(562,283.38)	5,938,529.30	4,306,102.61
45660NKM6	3,259,208.05	-	3,259,208.05	2,423,843.32	(835,364.73)	2,423,843.32	2,151,896.13
45660NRB3	943,200.26	-	943,200.26	898,173.23	(45,027.03)	898,173.23	552,152.31
45660NS30	2,728,972.76	-	2,728,972.76	2,537,015.63	(191,957.13)	2,537,015.63	2,079,122.13
45660NT88	98,741.40	-	98,741.40	82,300.74	(16,440.66)	82,300.74	56,178.65
45660NT96	2,966,466.70	-	2,966,466.70	2,475,717.93	(490,748.77)	2,475,717.93	2,182,358.43
45660NZY4	826,721.67	-	826,721.67	687,642.66	(139,079.01)	687,642.66	516,762.10
456612AC4	18,542,321.13	-	18,542,321.13	18,024,907.82	(517,413.31)	18,024,907.82	10,088,170.91
45664BAE7	13,458.26	-	13,458.26	4,435.04	(9,023.22)	4,435.04	41,190.31
45667WAA6	5,049,794.60	-	5,049,794.60	5,021,704.07	(28,090.53)	5,021,704.07	3,803,838.41
466247UG6	2,981,863.38	-	2,981,863.38	2,882,213.62	(99,649.76)	2,882,213.62	2,593,603.01
466247XE8	7,074,433.96	-	7,074,433.96	6,920,733.77	(153,700.19)	6,920,733.77	4,953,603.90
46627MBQ9	13,368,456.37	-	13,368,456.37	13,182,036.89	(186,419.48)	13,182,036.89	9,580,139.68
46627MCS4	8,472,873.62	-	8,472,873.62	8,133,786.63	(339,086.99)	8,133,786.63	6,414,399.53
46629NAC7	144,599.24	-	144,599.24	77,491.69	(67,107.55)	77,491.69	56,704.87
46629QAR7	2,842.18	-	2,842.18	764.50	(2,077.68)	764.50	26,563.93
52520MFT5	38,001.03	-	38,001.03	37,095.72	(905.31)	37,095.72	205,939.54
525221CD7	515,379.55	-	515,379.55	289,031.50	(226,348.05)	289,031.50	80,934.70
52524YAFO	13,024,286.55	-	13,024,286.55	13,020,306.86	(3,979.69)	13,020,306.86	7,273,658.02
550279AA1	5,306,767.28	-	5,306,767.28	5,254,113.84	(52,653.44)	5,254,113.84	3,648,868.38
576429AL8	6,301.40	-	6,301.40	5,234.12	(1,067.28)	5,234.12	33,682.30
576433FP6	716,739.85	-	716,739.85	486,587.08	(230,152.77)	486,587.08	212,634.61
576433G42	9,591,132.34	-	9,591,132.34	9,403,432.27	(187,700.07)	9,403,432.27	5,740,942.78
576433GW0	1,554,838.72	-	1,554,838.72	774,679.26	(780,159.46)	774,679.26	572,154.49
576433H33	5,213,449.39	-	5,213,449.39	5,195,623.86	(17,825.53)	5,195,623.86	4,128,411.32
576433NH5	3,600,549.02	-	3,600,549.02	1,903,270.80	(1,697,278.22)	1,903,270.80	2,129,474.94
576433RB4	421,472.25	-	421,472.25	302,879.08	(118,593.17)	302,879.08	215,175.63
576433RU2	2,312,081.73	-	2,312,081.73	1,593,962.25	(718,119.48)	1,593,962.25	895,300.00
576433SE7	1,861,655.69	-	1,861,655.69	1,543,097.40	(318,558.29)	1,543,097.40	438,060.00
576433YN0	1,262,205.21	-	1,262,205.21	1,251,445.49	(10,759.72)	1,251,445.49	805,332.60
576438AA3	3,925,515.20	-	3,925,515.20	3,902,606.39	(22,908.81)	3,902,606.39	3,296,650.99
5899292N7	1,522,447.66	-	1,522,447.66	1,503,401.34	(19,046.32)	1,503,401.34	1,455,741.23
5899293W6	1,784,380.45	-	1,784,380.45	617,292.39	(1,167,088.06)	617,292.39	949,360.02
589929E87	1,242,613.94	-	1,242,613.94	1,094,053.32	(148,560.62)	1,094,053.32	809,262.50
589929PB9	433,674.00	-	433,674.00	352,359.20	(81,314.80)	352,359.20	425,853.21
59020UNZ4	1,736,038.67	-	1,736,038.67	1,723,668.92	(12,369.75)	1,723,668.92	1,724,516.49
59020UQ40	1,352,319.19	-	1,352,319.19	1,333,846.58	(18,472.61)	1,333,846.58	871,546.92
59020UQ57	3,592,488.79	-	3,592,488.79	3,408,400.05	(184,088.74)	3,408,400.05	1,938,560.00
59020UTL9	1,060,471.51	-	1,060,471.51	658,719.06	(401,752.45)	658,719.06	573,387.99
59020UXN0	289,340.55	-	289,340.55	126,115.57	(163,224.98)	126,115.57	254,370.00
61748HAQ4	5,573,135.65	-	5,573,135.65	5,562,456.05	(10,679.60)	5,562,456.05	4,924,270.14
61753VAG7	960.00	-	960.00	848.91	(111.09)	848.91	2,949.59
61913PAA0	13,098,828.03	-	13,098,828.03	12,912,275.51	(186,552.52)	12,912,275.51	11,854,655.64
61915RA29	48,759.04	-	48,759.04	37,045.05	(11,713.99)	37,045.05	22,629.77
61915RBB1	7,685,200.98	-	7,685,200.98	7,558,357.46	(126,843.52)	7,558,357.46	4,904,245.07
65535VSQ2	4,518.45	-	4,518.45	2,304.97	(2,213.48)	2,304.97	11,382.53
65537BAG5	22,246.12	-	22,246.12	21,490.86	(755.26)	21,490.86	103,211.15
669884AF5	8,312.44	-	8,312.44	7,437.24	(875.20)	7,437.24	21,019.50
68383NCA9	26,151,132.42	-	26,151,132.42	26,085,936.31	(65,196.11)	26,085,936.31	18,722,090.34
68383NCD3	2,889,050.10	-	2,889,050.10	2,849,200.43	(39,849.67)	2,849,200.43	1,217,631.00
68383NCU5	10,531,155.88	-	10,531,155.88	9,957,837.67	(573,318.21)	9,957,837.67	7,136,628.79
68383NDT7	9,550,897.44	-	9,550,897.44	9,525,644.58	(25,252.86)	9,525,644.58	5,275,114.07
68389FBW3	31,717.29	-	31,717.29	30,640.63	(1,076.66)	30,640.63	26,629.59
68402CAC8	750,875.46	-	750,875.46	718,864.26	(32,011.20)	718,864.26	653,561.78
74927XAM4	136,826.02	-	136,826.02	64,143.68	(72,682.34)	64,143.68	245,182.35
76110H4M8	256,753.13	-	256,753.13	210,142.48	(46,610.65)	210,142.48	242,456.12
76110H5C9	302,454.33	-	302,454.33	204,912.70	(97,541.63)	204,912.70	224,082.66
76110HKX6	6,068,563.83	-	6,068,563.83	1,941,095.71	(4,127,468.12)	1,941,095.71	4,327,769.07
76110HKY4	480,547.48	-	480,547.48	138,009.92	(342,537.56)	138,009.92	465,514.66
76110W4J2	4,260.41	-	4,260.41	4,211.63	(48.78)	4,211.63	19,925.20
761118FM5	10,791,534.20	-	10,791,534.20	10,527,879.12	(263,655.08)	10,527,879.12	7,898,244.78
761118KL1	8,313,017.07	-	8,313,017.07	8,048,351.68	(264,665.39)	8,048,351.68	4,983,812.76
761118NN4	11,285,348.26	-	11,285,348.26	10,982,282.46	(303,065.80)	10,982,282.46	6,908,850.47
761118RJ9	551,317.20	-	551,317.20	522,283.81	(29,033.39)	522,283.81	290,388.31
761118RM2	23,852,735.80	-	23,852,735.80	22,619,711.71	(1,233,024.09)	22,619,711.71	13,131,342.93
76112BN55	9,452.31	-	9,452.31	8,493.47	(958.84)	8,493.47	16,316.20
79549AYA1	1,661,474.21	-	1,661,474.21	1,430,138.58	(231,335.63)	1,430,138.58	776,829.25
79549AYB9	180,937.10	-	180,937.10	111,626.96	(69,310.14)	111,626.96	96,885.98
81744FDK0	2,290,812.89	-	2,290,812.89	2,269,364.54	(21,448.35)	2,269,364.54	2,049,193.36
84752CAE7	1,727,986.23	-	1,727,986.23	1,653,665.61	(74,320.62)	1,653,665.61	770,148.18
863579KG2	3,863,876.32	-	3,863,876.32	3,795,231.53	(68,644.79)	3,795,231.53	2,581,451.16

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
863579YR3	\$ 9,253,862.38	\$ -	\$ 9,253,862.38	\$ 8,966,225.84	\$ (287,636.54)	\$ 8,966,225.84	\$ 6,337,919.78
86358HQW2	18,647.07	-	18,647.07	11,537.27	(7,109.80)	11,537.27	170,667.90
86358RLG0	420,315.74	-	420,315.74	235,746.42	(184,569.32)	235,746.42	262,713.28
86358RSJ7	70,965.43	-	70,965.43	2,839.73	(68,125.70)	2,839.73	22,217.30
86358RUM7	141,829.45	-	141,829.45	109,529.72	(32,299.73)	109,529.72	80,998.92
86358R2C4	249,395.06	-	249,395.06	44,686.59	(204,708.47)	44,686.59	148,614.08
86359A5E9	378,734.74	-	378,734.74	269,582.81	(109,151.93)	269,582.81	214,794.57
86359ADN0	1,103,130.42	-	1,103,130.42	1,072,622.59	(30,507.83)	1,072,622.59	353,240.00
86359AH08	481,419.23	-	481,419.23	449,620.06	(31,799.17)	449,620.06	352,322.46
86359AKY8	52,679.87	-	52,679.87	17,941.14	(34,738.73)	17,941.14	45,457.03
86359ANH2	1,527,343.89	-	1,527,343.89	1,488,638.16	(38,705.73)	1,488,638.16	1,376,807.19
86359AVY6	422,371.44	-	422,371.44	267,095.31	(155,286.13)	267,095.31	305,827.09
86359AXX6	2,763,277.51	-	2,763,277.51	1,351,109.47	(1,412,168.04)	1,351,109.47	2,373,641.41
86359AZE6	965,347.87	-	965,347.87	496,906.29	(468,441.58)	496,906.29	759,943.49
86359BU82	53,701.78	-	53,701.78	19,190.81	(34,510.97)	19,190.81	9,535.84
86359DUV7	59,401.60	-	59,401.60	33,520.99	(25,880.61)	33,520.99	50,754.19
86360JAA9	12,974,684.64	-	12,974,684.64	12,890,442.62	(84,242.02)	12,890,442.62	6,524,355.67
86360JAN1	4,811,749.07	-	4,811,749.07	4,725,086.83	(86,662.24)	4,725,086.83	2,678,749.74
86361EAM3	3,284.60	-	3,284.60	1,110.83	(2,173.77)	1,110.83	9,061.02
86361EAP6	222.83	-	222.83	12.38	(210.45)	12.38	1,001.48
86361HAZ7	3,464.37	-	3,464.37	3,388.30	(76.07)	3,388.30	28,500.00
86361HBA1	505.52	-	505.52	498.47	(7.05)	498.47	3,808.06
87222EAJ7	13,908.37	-	13,908.37	9,125.69	(4,782.68)	9,125.69	32,841.49
88522FS7	8,959,281.99	-	8,959,281.99	8,834,441.37	(124,840.62)	8,834,441.37	7,735,453.82
89789KAC9	5,349.85	-	5,349.85	5,037.02	(312.83)	5,037.02	25,650.00
929093AA0	1,597,428.30	-	1,597,428.30	1,268,426.46	(329,001.84)	1,268,426.46	417,820.03
92922EN2	362,543.40	-	362,543.40	220,081.19	(142,462.21)	220,081.19	205,190.99
92922XH4	330,035.94	-	330,035.94	108,846.51	(221,189.43)	108,846.51	309,717.42
92922F3L0	54,962,013.73	-	54,962,013.73	53,117,955.74	(1,844,057.99)	53,117,955.74	45,994,942.12
92922F4M7	5,050,741.75	-	5,050,741.75	5,034,693.02	(16,048.73)	5,034,693.02	3,904,442.75
92922F5T1	8,676,171.03	-	8,676,171.03	8,643,649.97	(32,521.06)	8,643,649.97	6,654,817.86
92922F7A0	1,720,425.53	-	1,720,425.53	1,411,799.08	(308,626.45)	1,411,799.08	1,117,432.55
92922F7Q5	11,539,892.29	-	11,539,892.29	11,245,157.66	(294,734.63)	11,245,157.66	8,223,180.13
92922FB72	1,439,734.90	-	1,439,734.90	1,418,949.88	(20,785.02)	1,418,949.88	908,092.62
92922FD21	1,279,734.74	-	1,279,734.74	1,279,450.92	(283.82)	1,279,450.92	1,400,419.08
92922FD47	10,872,612.85	-	10,872,612.85	10,413,753.66	(458,859.19)	10,413,753.66	8,790,572.67
92922FG77	12,617,711.34	-	12,617,711.34	12,291,484.84	(326,226.50)	12,291,484.84	11,366,981.64
92922FJ25	7,421,446.36	-	7,421,446.36	7,410,294.13	(11,152.23)	7,410,294.13	5,642,228.79
92922FQ76	387,249.10	-	387,249.10	259,480.43	(127,768.67)	259,480.43	273,547.29
92922FTJ7	1,639,831.47	-	1,639,831.47	1,553,417.00	(86,414.47)	1,553,417.00	1,119,887.92
92922FU48	7,363,473.60	-	7,363,473.60	7,011,050.80	(352,422.80)	7,011,050.80	6,577,987.03
92922FW61	1,535,445.95	-	1,535,445.95	1,327,639.87	(207,806.08)	1,327,639.87	976,050.54
92922FWU8	4,811,650.60	-	4,811,650.60	4,670,390.57	(141,260.03)	4,670,390.57	3,243,919.64
92922FZP8	10,313,637.83	-	10,313,637.83	9,963,719.10	(349,918.73)	9,963,719.10	7,467,303.34
92925CBB7	5,120,972.13	-	5,120,972.13	5,058,558.70	(62,413.43)	5,058,558.70	3,535,425.05
92926SAE6	3,145,965.68	-	3,145,965.68	3,076,277.60	(69,688.08)	3,076,277.60	2,573,226.72
939336PT4	65,679.94	-	65,679.94	21,740.28	(43,939.66)	21,740.28	61,496.95
939336U35	1,758,275.27	-	1,758,275.27	1,720,040.22	(38,235.05)	1,720,040.22	1,819,234.99
939336XB5	13,683,876.25	-	13,683,876.25	13,145,344.03	(538,532.22)	13,145,344.03	10,412,104.84
93934FHC9	10,339,448.82	-	10,339,448.82	10,120,432.78	(219,016.04)	10,120,432.78	6,211,494.25
93934FJQ6	19,266,145.77	-	19,266,145.77	19,003,975.87	(262,169.90)	19,003,975.87	11,360,421.15
93936JAM4	1,729.01	-	1,729.01	864.51	(864.50)	864.51	61,379.90
941034AD2	177,180.98	-	177,180.98	30,720.60	(146,460.38)	30,720.60	105,720.00
949775AC4	432,117.73	-	432,117.73	300,304.89	(131,812.84)	300,304.89	424,486.03
94981VAX5	1,180,397.18	-	1,180,397.18	1,173,574.31	(6,822.87)	1,173,574.31	1,175,928.82
94983CAJ6	20,750,754.03	-	20,750,754.03	20,056,492.24	(694,261.79)	20,056,492.24	20,004,332.78
94983EAH6	16,321,489.18	-	16,321,489.18	16,165,384.72	(156,104.46)	16,165,384.72	13,381,991.09
94983TAE0	12,465,453.87	-	12,465,453.87	12,376,506.12	(88,947.75)	12,376,506.12	11,193,989.73
94983YAQ2	5,185,412.71	-	5,185,412.71	4,872,833.42	(312,579.29)	4,872,833.42	4,438,067.58
L26479NN8	1,237,993.81	-	1,237,993.81	190,460.58	(1,047,533.23)	190,460.58	2,537,166.84
Totals	\$ 1,471,905,695.71	\$ -	\$ 1,471,905,695.71	\$ 1,391,337,542.96	\$ (80,568,152.75)	\$ 1,391,337,542.96	\$ 1,015,645,802.04

The following is the impairment listing for loan-backed and structured securities for the three months ended December 31, 2009:

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
00075WAB5	\$ 392,914.51	\$ -	\$ 392,914.51	\$ 396,890.58	\$ 3,976.07	\$ 396,890.58	\$ 390,925.02
004375CT6	9,408,193.30	-	9,408,193.30	8,562,534.09	(845,659.21)	8,562,534.09	4,783,498.94
00442GAD2	2,437,254.26	-	2,437,254.26	2,602,501.99	165,247.63	2,602,501.99	2,810,710.02
00442KAD3	4,412,473.61	-	4,412,473.61	4,278,160.00	(134,313.61)	4,278,160.00	3,239,750.54
007034AQ4	7,630,054.96	-	7,630,054.96	7,276,503.83	(353,551.13)	7,276,503.83	5,818,807.85
007036CE4	27,673.33	-	27,673.33	20,400.00	(7,273.33)	20,400.00	50,000.00
007036FB7	2,492,010.21	-	2,492,010.21	2,428,083.06	(63,927.15)	2,428,083.06	342,330.05
007036FY7	46,375.37	-	46,375.37	28,660.50	(17,714.87)	28,660.50	16,435.98
007036GB6	1,099,285.00	-	1,099,285.00	485,536.41	(613,748.59)	485,536.41	334,979.48
007037BK9	1,155,650.78	-	1,155,650.78	2,329,100.40	1,173,449.62	2,329,100.40	2,348,442.68
02146QAB9	16,240,391.54	-	16,240,391.54	16,015,900.25	(224,491.29)	16,015,900.25	9,877,931.55
02146TAQ0	18,632,146.52	-	18,632,146.52	18,310,000.00	(322,146.52)	18,310,000.00	16,689,902.25
02146YAD8	24,373,978.67	-	24,373,978.67	24,025,206.43	(348,772.24)	24,025,206.43	15,110,724.55
02147CAA1	10,872,095.79	-	10,872,095.79	10,865,188.19	(6,907.60)	10,865,188.19	6,604,821.67
02147DAB7	13,298,121.74	-	13,298,121.74	13,109,767.02	(188,354.72)	13,109,767.02	7,654,768.27
02147DAV3	2,278,949.00	-	2,278,949.00	2,659,475.64	380,526.64	2,659,475.64	1,973,882.50
02150MAB1	15,971,550.45	-	15,971,550.45	15,530,800.00	(440,750.45)	15,530,800.00	10,502,951.56
02660CAH3	679,469.69	-	679,469.69	321,326.38	(358,143.31)	321,326.38	235,266.88

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
02660THL0	\$ 2,025,163.17	\$ -	\$ 2,025,163.17	\$ 1,930,386.02	\$ (94,777.15)	\$ 1,930,386.02	\$ 1,187,872.53
02660THT3	858,211.34	-	858,211.34	850,081.22	(8,130.12)	850,081.22	619,923.02
026929AD1	10,298,954.58	-	10,298,954.58	10,276,184.27	(22,770.31)	10,276,184.27	5,997,805.45
040104QN4	5,462,960.22	-	5,462,960.22	5,226,483.12	(236,477.10)	5,226,483.12	4,367,234.37
040104RV5	3,393,536.86	-	3,393,536.86	3,270,607.13	(122,929.73)	3,270,607.13	2,293,163.73
040104TF8	246,802.64	-	246,802.64	198,581.55	(48,221.09)	198,581.55	88,737.21
040104TG6	1,456,597.13	-	1,456,597.13	1,425,744.54	(30,852.59)	1,425,744.54	1,064,187.77
04012XAC9	586,310.20	-	586,310.20	319,925.46	(266,384.74)	319,925.46	216,293.42
05946YB3	101,049.09	-	101,049.09	78,147.33	(22,901.76)	78,147.33	99,674.88
05948XPR6	2,082,465.13	-	2,082,465.13	557,100.77	(1,525,364.36)	557,100.77	1,231,958.53
05948XR52	474,971.01	-	474,971.01	91,470.39	(383,500.62)	91,470.39	188,272.14
05948XVH1	1,497,402.87	-	1,497,402.87	306,092.32	(1,191,310.55)	306,092.32	528,786.24
05948XVJ7	875,432.60	-	875,432.60	59,070.79	(816,361.81)	59,070.79	194,455.04
05949ALH1	2,910,262.88	-	2,910,262.88	2,855,947.26	(54,315.62)	2,855,947.26	2,746,262.47
05949A2G8	2,582,766.65	-	2,582,766.65	2,576,970.81	(5,795.84)	2,576,970.81	2,207,564.74
05950DA8	12,267,524.43	-	12,267,524.43	12,223,571.80	(43,952.63)	12,223,571.80	9,373,865.03
07325VAG9	2,691,014.91	-	2,691,014.91	2,754,647.19	63,632.28	2,754,647.19	2,386,917.47
07384YNJ1	1,567,883.79	-	1,567,883.79	1,456,356.93	(111,526.86)	1,456,356.93	1,508,651.85
07384YPP5	4,596,090.24	-	4,596,090.24	3,674,174.67	(921,915.57)	3,674,174.67	999,108.79
073852AD7	2,164,167.52	-	2,164,167.52	1,934,225.00	(229,942.52)	1,934,225.00	1,185,850.00
07386HCM1	1,410,030.52	-	1,410,030.52	1,056,536.60	(353,493.92)	1,056,536.60	706,759.77
07386HCP4	184,720.16	-	184,720.16	39,486.65	(145,233.51)	39,486.65	69,911.61
07386HEN7	795,472.39	-	795,472.39	82,841.96	(712,630.43)	82,841.96	167,872.33
07386HHW4	28,412.44	-	28,412.44	23,711.51	(4,700.93)	23,711.51	18,363.69
07386HJL6	383,091.71	-	383,091.71	153,449.10	(229,642.61)	153,449.10	282,792.72
07386HLU3	9,848.96	-	9,848.96	8,937.40	(911.56)	8,937.40	68,639.21
07386HTQ4	415,178.41	-	415,178.41	250,591.67	(164,586.74)	250,591.67	347,054.18
07387PA0	1,795,558.69	-	1,795,558.69	1,668,300.00	(127,258.69)	1,668,300.00	661,470.00
073879QF8	1,097,646.34	-	1,097,646.34	1,108,896.41	11,250.07	1,108,896.41	629,200.12
073879ZC2	11,677,483.85	-	11,677,483.85	11,388,410.35	(289,073.50)	11,388,410.35	3,777,103.02
07387AFA8	377,451.26	-	377,451.26	108,445.71	(269,005.55)	108,445.71	219,172.61
07387UHB0	2,977.83	-	2,977.83	-	(2,977.83)	-	9,898.61
07388UAB6	1,532,487.32	-	1,532,487.32	1,506,514.36	(25,972.96)	1,506,514.36	1,323,491.65
07389LAA7	854,961.17	-	854,961.17	851,520.28	(3,440.89)	851,520.28	759,409.75
07389PAY6	354,984.94	-	354,984.94	293,211.80	(61,773.14)	293,211.80	285,271.62
07389VA5	1,725,560.82	-	1,725,560.82	1,715,357.28	(10,203.54)	1,715,357.28	1,617,545.00
07400XAB4	3,600,099.61	-	3,600,099.61	3,429,090.00	(171,009.61)	3,429,090.00	1,712,050.20
07401EA47	10,274,180.08	-	10,274,180.08	10,365,076.78	90,896.70	10,365,076.78	8,625,676.27
07401LA1	15,877,589.54	-	15,877,589.54	15,533,780.67	(343,828.87)	15,533,780.67	9,168,168.09
07401LA06	4,389,861.34	-	4,389,861.34	4,162,869.65	(226,991.69)	4,162,869.65	2,452,575.10
07401LAU7	(5,586.31)	-	(5,586.31)	-	5,586.31	-	-
07820QAY1	17,991,396.58	-	17,991,396.58	17,874,223.26	(117,173.32)	17,874,223.26	12,522,069.85
07844AB7	166,400.00	-	166,400.00	158,000.00	(8,400.00)	158,000.00	158,000.00
12489WQE7	1,538,342.85	-	1,538,342.85	1,345,000.00	(193,342.85)	1,345,000.00	927,180.00
12489WQH0	103,752.46	-	103,752.46	46,000.00	(57,752.46)	46,000.00	88,533.52
1248MEA9	1,353,070.11	-	1,353,070.11	1,200,600.00	(152,470.11)	1,200,600.00	1,125,220.73
1248MEAG4	955,591.98	-	955,591.98	943,054.18	(12,537.80)	943,054.18	980,168.04
1248RHAD9	4,642,110.21	-	4,642,110.21	4,350,796.19	(291,314.02)	4,350,796.19	2,686,481.24
12498NAB9	1,296,327.42	-	1,296,327.42	1,300,043.64	3,716.22	1,300,043.64	1,022,226.52
12567AAF4	469,562.67	-	469,562.67	464,059.25	(5,503.42)	464,059.25	705,163.45
12629EAK1	16,909.19	-	16,909.19	8,122.99	(8,786.20)	8,122.99	44,561.95
12638PAL3	1,058.97	-	1,058.97	889.65	(169.32)	889.65	7,735.64
126670JD1	1,422,556.94	-	1,422,556.94	1,345,460.94	(77,096.00)	1,345,460.94	1,209,221.78
126670KN7	1,882,551.51	-	1,882,551.51	1,819,500.00	(63,051.51)	1,819,500.00	828,559.17
126670LP1	5,761,620.57	-	5,761,620.57	4,200,800.00	(1,560,820.57)	4,200,800.00	2,006,123.20
126670WT1	5,049,493.61	-	5,049,493.61	5,048,456.17	(1,037.44)	5,048,456.17	3,955,237.36
12667F2A2	107,950.75	-	107,950.75	81,501.98	(26,448.77)	81,501.98	57,031.63
12667GR62	12,034,217.30	-	12,034,217.30	12,073,212.23	38,994.93	12,073,212.23	7,916,470.73
12667GRW5	799,879.55	-	799,879.55	797,958.85	(1,920.70)	797,958.85	404,879.54
12667GS20	15,311,868.14	-	15,311,868.14	15,354,951.99	43,083.85	15,354,951.99	8,628,835.58
12667GW6	9,652,027.05	-	9,652,027.05	9,489,259.99	(162,767.06)	9,489,259.99	4,902,737.70
12667NAC2	251,911.17	-	251,911.17	249,866.00	(2,045.17)	249,866.00	218,280.00
12668A3Q6	9,699,104.28	-	9,699,104.28	9,668,991.25	(30,113.03)	9,668,991.25	3,546,923.33
12668A3V5	6,673.14	-	6,673.14	5,302.70	(1,370.44)	5,302.70	30,555.79
12668A4B8	16,977,160.10	-	16,977,160.10	16,673,192.76	(303,967.34)	16,673,192.76	8,866,596.30
12668A4G7	15,366.29	-	15,366.29	13,010.94	(2,355.35)	13,010.94	58,978.49
12668AC26	4,065,168.53	-	4,065,168.53	4,050,696.56	(14,471.97)	4,050,696.56	2,424,715.75
12668AEV3	13,357,271.07	-	13,357,271.07	13,287,158.65	(70,112.42)	13,287,158.65	7,744,665.35
12668APF6	397,190.95	-	397,190.95	435,894.80	38,703.85	435,894.80	508,677.53
12668AWQ4	3,410.61	-	3,410.61	3,185.74	(224.87)	3,185.74	29,978.75
12668BAU7	198,182.44	-	198,182.44	158,915.95	(39,266.49)	158,915.95	206,969.20
12668BB77	26,825,369.39	-	26,825,369.39	26,552,823.77	(272,545.62)	26,552,823.77	16,278,170.18
12668BDR1	9,544.23	-	9,544.23	8,262.10	(1,282.13)	8,262.10	65,796.36
12669F86	2,247.30	-	2,247.30	1,534.92	(712.38)	1,534.92	18,129.36
12669YM4	3,906,587.42	-	3,906,587.42	3,782,512.07	(124,075.35)	3,782,512.07	1,932,468.84
12669YW2	3,829.91	-	3,829.91	2,948.00	(881.91)	2,948.00	41,491.76
1266942B7	14,982.76	-	14,982.76	10,500.00	(4,482.76)	10,500.00	57,324.50
1266942D3	1,305.16	-	1,305.16	1,177.20	(127.96)	1,177.20	6,312.54
12669D3C0	511,405.49	-	511,405.49	486,445.28	(24,960.21)	486,445.28	264,997.60
12669E6K7	1,275,099.03	-	1,275,099.03	607,888.89	(667,210.14)	607,888.89	920,106.92
12669EH33	228,927.15	-	228,927.15	242,713.34	13,786.19	242,713.34	233,043.73
12669EJ56	270,811.58	-	270,811.58	24,997.89	(245,813.69)	24,997.89	61,567.92
12669FVD2	1,007,377.18	-	1,007,377.18	999,911.94	(7,465.24)	999,911.94	981,585.71
12669FXR9	653,960.69	-	653,960.69	641,741.88	(12,218.81)	641,741.88	425,790.53
12669GKH3	14,665,275.18	-	14,665,275.18	14,590,699.61	(74,575.57)	14,590,699.61	10,100,

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
12669GRQ6	\$ 9,109,436.68	\$ -	\$ 9,109,436.68	\$ 8,824,803.62	\$ (284,633.06)	\$ 8,824,803.62	\$ 5,379,170.19
12669GTV3	421,794.46	-	421,794.46	420,982.68	(811.78)	420,982.68	230,737.93
12669GUR0	4,179,563.69	-	4,179,563.69	4,148,210.13	(31,353.56)	4,148,210.13	2,417,636.96
12669UBB5	497,411.54	-	497,411.54	493,894.86	(3,516.68)	493,894.86	491,696.29
17307GH76	397,457.47	-	397,457.47	382,054.30	(15,403.17)	382,054.30	266,796.74
17307GH84	128,097.34	-	128,097.34	107,648.21	(20,449.13)	107,648.21	107,719.90
17307GN79	64,434.59	-	64,434.59	(6,343.76)	(70,778.35)	(6,343.76)	31,934.55
17309CAL9	7,182.19	-	7,182.19	-	(7,182.19)	-	24,758.15
17309MAF0	58,628.93	-	58,628.93	43,394.40	(15,234.53)	43,394.40	57,177.44
17309NAH4	373,732.49	-	373,732.49	334,800.00	(38,932.49)	334,800.00	1,298,044.40
17309QAM6	4,197.12	-	4,197.12	3,000.00	(1,197.12)	3,000.00	9,824.40
17309RAM4	10,591.41	-	10,591.41	5,869.13	(4,722.28)	5,869.13	55,161.47
17309SAM2	2,553.02	-	2,553.02	1,448.00	(1,105.02)	1,448.00	2,452.48
17309YAJ6	25,648.97	-	25,648.97	3,103.02	(22,545.95)	3,103.02	97,677.60
17309YAK3	2,055.84	-	2,055.84	-	(2,055.84)	-	18,843.16
17310UAE2	4,863.91	-	4,863.91	3,149.20	(1,714.71)	3,149.20	37,856.60
22540V3F7	2,411,427.95	-	2,411,427.95	2,321,586.20	(89,841.75)	2,321,586.20	1,248,566.68
22540V5D0	87,109.83	-	87,109.83	77,223.00	(9,886.83)	77,223.00	74,577.85
22541N5E5	1,341,369.91	-	1,341,369.91	429,412.25	(311,957.66)	429,412.25	681,963.97
22541NR68	91,777.21	-	91,777.21	64,007.81	(27,769.40)	64,007.81	36,806.33
22541Q4M1	1,243,941.82	-	1,243,941.82	951,213.77	(292,728.05)	951,213.77	606,698.16
22541QA44	1,590,638.83	-	1,590,638.83	1,124,084.31	(466,554.52)	1,124,084.31	674,486.19
22541QDA7	1,002,335.52	-	1,002,335.52	902,832.43	(99,503.09)	902,832.43	551,737.51
22541QDB5	498,362.48	-	498,362.48	179,078.08	(319,284.40)	179,078.08	293,133.14
22541QJR4	557,142.26	-	557,142.26	160,749.67	(396,392.59)	160,749.67	231,142.36
22541QV25	694,071.00	-	694,071.00	33,535.67	(660,535.33)	33,535.67	88,578.43
22541SRZ3	4,375.02	-	4,375.02	-	(4,375.02)	-	57,754.68
2254W0KK0	(114,853.15)	-	(114,853.15)	9,127.39	123,980.54	9,127.39	145,406.11
22943HAD8	12,658,026.12	-	12,658,026.12	11,979,500.00	(678,526.12)	11,979,500.00	3,107,109.00
23242TAB2	3,876,054.68	-	3,876,054.68	3,667,644.39	(208,410.29)	3,667,644.39	3,482,624.36
23243AAD8	1,268,803.87	-	1,268,803.87	1,258,403.49	(10,400.38)	1,258,403.49	762,487.54
23244LAB7	2,921,778.81	-	2,921,778.81	2,692,489.24	(229,289.57)	2,692,489.24	2,917,292.00
23245QAA7	2,568,138.12	-	2,568,138.12	2,562,342.02	(5,796.10)	2,562,342.02	1,698,820.61
23248AJ0	1,208,310.57	-	1,208,310.57	1,157,582.75	(50,727.82)	1,157,582.75	1,035,893.64
23332UAS3	199,348.78	-	199,348.78	188,388.88	(10,959.90)	188,388.88	64,507.98
23332UCM4	628,465.64	-	628,465.64	627,691.34	(774.30)	627,691.34	392,394.03
251508AB3	10,150,913.78	-	10,150,913.78	9,685,446.31	(465,467.47)	9,685,446.31	5,756,383.64
25150PAD1	738.34	-	738.34	537.08	(201.26)	537.08	779.86
251510HS5	12,076,035.59	-	12,076,035.59	11,980,270.70	(95,764.89)	11,980,270.70	8,391,267.44
25151AAA9	6,156,622.27	-	6,156,622.27	5,886,248.70	(270,373.57)	5,886,248.70	3,673,969.96
251563DR0	32,476.26	-	32,476.26	17,900.81	(14,575.45)	17,900.81	97,307.20
26441EAC5	284,250.00	-	284,250.00	251,750.00	(32,500.00)	251,750.00	250,000.00
26441NAA9	16,200.00	-	16,200.00	-	(16,200.00)	-	-
26441NAB7	10,800.00	-	10,800.00	-	(10,800.00)	-	-
30251YAB4	9,121,482.29	-	9,121,482.29	9,096,257.47	(25,224.82)	9,096,257.47	6,851,854.85
32051DQ62	1,061,091.21	-	1,061,091.21	388,057.22	(673,033.99)	388,057.22	453,199.81
32051DRA2	103,062.39	-	103,062.39	106,337.62	(2,724.77)	106,337.62	99,813.99
32051GBV6	187,895.70	-	187,895.70	126,531.75	(61,363.95)	126,531.75	146,678.33
32051GCF0	192,738.63	-	192,738.63	50,620.75	(142,117.88)	50,620.75	92,555.98
32051GVN2	3,158,791.63	-	3,158,791.63	3,062,503.01	(96,288.62)	3,062,503.01	3,041,436.06
32051GZS7	6,908,445.51	-	6,908,445.51	6,874,600.00	(33,845.51)	6,874,600.00	5,970,500.80
32056CAH2	17,195,946.42	-	17,195,946.42	17,168,868.00	(27,078.42)	17,168,868.00	12,910,676.34
32113JAA3	713,670.08	-	713,670.08	711,792.32	(1,877.76)	711,792.32	374,625.04
35729RAE6	7,103,874.77	-	7,103,874.77	6,989,036.57	(114,838.20)	6,989,036.57	6,175,384.09
359522007	8,065,469.65	-	8,065,469.65	5,923,357.50	(2,142,112.15)	5,923,357.50	2,685,858.70
359522023	6,509,562.82	-	6,509,562.82	4,511,207.33	(1,998,355.49)	4,511,207.33	2,071,187.74
359522031	6,890,943.12	-	6,890,943.12	4,688,529.86	(2,202,413.26)	4,688,529.86	2,036,793.37
359522049	5,920,336.51	-	5,920,336.51	4,383,058.82	(1,537,277.69)	4,383,058.82	1,719,720.00
359522056	6,015,993.51	-	6,015,993.51	4,285,422.23	(1,730,571.28)	4,285,422.23	1,640,899.51
359522064	6,114,977.70	-	6,114,977.70	4,622,032.20	(1,492,945.50)	4,622,032.20	1,736,917.20
359522A06	11,259,327.98	-	11,259,327.98	12,498,712.40	1,239,384.42	12,498,712.40	4,604,527.38
359522A14	525,997.04	-	525,997.04	581,1463.24	55,466.20	581,1463.24	206,481.07
359522A22	879,036.26	-	879,036.26	891,667.03	12,630.77	891,667.03	319,638.64
36228FWU6	1,772,489.98	-	1,772,489.98	1,666,967.85	(105,522.13)	1,666,967.85	862,761.89
362334EB6	9,599,991.93	-	9,599,991.93	9,320,003.40	(279,988.53)	9,320,003.40	7,490,942.58
36242D324	57,525.76	-	57,525.76	38,760.00	(18,765.76)	38,760.00	35,757.60
36242DGA5	130,459.06	-	130,459.06	72,347.83	(58,112.23)	72,347.83	68,110.75
362437AC9	2,400,982.68	-	2,400,982.68	2,435,483.10	34,500.42	2,435,483.10	1,994,990.42
362480AD7	16,297,435.82	-	16,297,435.82	15,919,814.77	(377,621.05)	15,919,814.77	8,176,528.40
39538RBB4	13,683,066.88	-	13,683,066.88	13,663,955.41	(19,111.47)	13,663,955.41	7,674,341.82
39538WBH0	12,049.27	-	12,049.27	8,462.30	(3,586.97)	8,462.30	19,127.00
39539GAA0	5,437,538.55	-	5,437,538.55	5,402,943.73	(34,594.82)	5,402,943.73	3,151,642.90
40430HAJ7	68,648.39	-	68,648.39	25,350.40	(43,297.99)	25,350.40	61,780.60
40430HBH0	6,438.06	-	6,438.06	2,850.00	(3,588.06)	2,850.00	7,418.85
40430HBJ6	575.14	-	575.14	-	(575.14)	-	1,578.67
40430HCQ9	3,267.41	-	3,267.41	2,200.00	(1,067.41)	2,200.00	11,853.80
40430HEB0	40,225.13	-	40,225.13	32,045.00	(8,180.13)	32,045.00	72,018.60
40430HFL7	1,906,241.76	-	1,906,241.76	1,905,800.00	(441.76)	1,905,800.00	1,430,500.00
40430MAB3	417,243.03	-	417,243.03	464,426.75	47,183.72	464,426.75	352,134.61
40431HAT4	(1,243.19)	-	(1,243.19)	84.55	1,327.74	84.55	23,686.62
40431KAE0	5,616,940.27	-	5,616,940.27	5,404,731.70	(212,208.57)	5,404,731.70	5,004,585.48
40431KAL4	247.98	-	247.98	115.03	(132.95)	115.03	9,863.13
40431RAN5	7,087.43	-	7,087.43	4,200.00	(2,887.43)	4,200.00	40,650.00
40431XAF9	1,186,537.22	-	1,186,537.22	1,159,500.00	(27,037.22)	1,159,500.00	2,549,782.00
41161PA86	1,932,863.68	-	1,932,863.68	1,946,607.10	13,743.42	1,946,607.10	1,579,448.32
41161PH55	2,308.18	-	2,308.18	1,361.08	(947.10)	1,361.08	34,968.16
41161PHC0	8,684,339.77	-	8,684,339.77	8,650,857.66	(33,482.11)	8,650,857.66	6,046,837.12
41161PH							

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
41161PKH5	\$ 703,592.11	\$ -	\$ 703,592.11	\$ 693,970.59	\$ (9,621.52)	\$ 693,970.59	\$ 369,720.57
41161PL43	21,312,175.88	-	21,312,175.88	21,067,464.83	(244,711.05)	21,067,464.83	13,010,953.08
41161PLR2	13,570,563.22	-	13,570,563.22	13,553,010.79	(17,552.43)	13,553,010.79	8,267,824.75
41161PMG5	16,528,742.13	-	16,528,742.13	16,420,663.89	(108,078.24)	16,420,663.89	9,831,420.53
41161PQU0	14,247,339.00	-	14,247,339.00	14,119,857.84	(127,481.16)	14,119,857.84	8,182,334.16
41161PSC8	9,057.18	-	9,057.18	(11,726.62)	(20,783.80)	(11,726.62)	94,792.19
41161PTN3	2,352,983.33	-	2,352,983.33	2,338,387.78	(14,595.55)	2,338,387.78	1,286,123.03
41161PTP8	860,946.29	-	860,946.29	795,970.32	(64,975.97)	795,970.32	461,410.28
41161PWB5	7,640,228.26	-	7,640,228.26	7,589,704.81	(50,523.45)	7,589,704.81	4,265,834.61
41161PXH1	883,571.47	-	883,571.47	865,233.01	(18,338.46)	865,233.01	530,313.95
41164LAB5	16,324,343.45	-	16,324,343.45	16,026,074.34	(298,269.11)	16,026,074.34	8,166,968.73
43739EAP2	21,270,837.01	-	21,270,837.01	21,234,151.29	(36,685.72)	21,234,151.29	11,958,425.86
43739EBJ5	9,849,040.21	-	9,849,040.21	9,836,426.12	(12,614.09)	9,836,426.12	7,050,584.45
43739EBS5	9,761,473.92	-	9,761,473.92	9,739,688.58	(21,785.34)	9,739,688.58	7,491,729.31
44328AAB6	72,387.91	-	72,387.91	68,804.39	(3,583.52)	68,804.39	82,413.19
45254NHV2	351,070.12	-	351,070.12	350,054.35	(105.77)	350,054.35	118,198.60
45254NKK2	1,662.13	-	1,662.13	(4,540.56)	(6,202.69)	(4,540.56)	59,521.89
45254NNP8	14,514,889.48	-	14,514,889.48	14,347,261.74	(167,627.74)	14,347,261.74	9,219,523.58
45254NPA9	16,488,639.41	-	16,488,639.41	16,545,405.79	56,766.38	16,545,405.79	11,378,134.66
45254NGP6	1,326,995.88	-	1,326,995.88	1,319,430.88	(7,565.00)	1,319,430.88	726,877.60
45254NPU5	5,842,116.51	-	5,842,116.51	5,842,706.05	589.54	5,842,706.05	3,342,705.65
45254TSM7	4,706,017.40	-	4,706,017.40	4,671,005.96	(35,011.44)	4,671,005.96	1,902,063.76
452570AA2	78,979.72	-	78,979.72	69,313.68	(9,666.04)	69,313.68	56,900.86
45257EAA2	4,858,654.29	-	4,858,654.29	4,744,758.79	(113,895.50)	4,744,758.79	2,146,887.55
45660L4P1	57,105.29	-	57,105.29	1,487.39	(55,617.90)	1,487.39	2,974.77
45660LGX1	55,462.51	-	55,462.51	26,390.73	(29,071.78)	26,390.73	44,753.20
45660LR84	17,959.47	-	17,959.47	314.71	(17,644.76)	314.71	125,577.31
45660LVD8	29,293.49	-	29,293.49	20,639.38	(8,654.11)	20,639.38	32,388.63
45660LW96	4,198,962.53	-	4,198,962.53	3,976,700.61	(222,261.92)	3,976,700.61	2,275,550.77
45660LWD7	3,585,120.26	-	3,585,120.26	3,648,215.73	63,095.47	3,648,215.73	2,987,251.47
45660LYW3	5,093,081.02	-	5,093,081.02	4,859,106.65	(233,974.37)	4,859,106.65	2,460,258.47
45660N5H4	6,940,643.73	-	6,940,643.73	6,872,107.52	(68,536.21)	6,872,107.52	4,951,097.58
45660NRB3	1,046,779.44	-	1,046,779.44	956,329.19	(90,450.25)	956,329.19	549,296.43
45661LAG3	6,278,951.15	-	6,278,951.15	6,219,245.94	(59,705.21)	6,219,245.94	3,878,668.50
45662BAJ8	117,708.71	-	117,708.71	52,382.87	(65,325.84)	52,382.87	96,349.55
45664BAE7	31,930.23	-	31,930.23	19,321.22	(12,609.01)	19,321.22	59,107.26
45667QAJ0	9,023.13	-	9,023.13	-	(9,023.13)	-	22,839.71
45667WAA6	5,365,903.21	-	5,365,903.21	5,411,747.26	45,844.05	5,411,747.26	3,202,501.98
45667WAC2	547,486.67	-	547,486.67	763,285.49	215,798.82	763,285.49	615,123.57
45668WAE7	400,512.99	-	400,512.99	314,114.04	(86,398.95)	314,114.04	661,985.18
464126BW0	598,566.21	-	598,566.21	111,704.79	(486,861.42)	111,704.79	320,035.54
46412AAD4	4,121,977.45	-	4,121,977.45	4,101,600.00	(20,377.45)	4,101,600.00	3,652,259.00
466247NC3	671,953.93	-	671,953.93	547,301.34	(124,572.59)	547,301.34	511,342.55
466247UG6	3,233,027.72	-	3,233,027.72	3,098,218.17	(134,809.55)	3,098,218.17	2,561,267.89
466247XE8	7,272,359.33	-	7,272,359.33	7,264,895.35	(7,463.98)	7,264,895.35	4,755,810.49
46626CBS8	499,730.40	-	499,730.40	490,727.81	(9,002.59)	490,727.81	912,998.60
466284AG1	37.46	-	37.46	32.45	(5.01)	32.45	28.75
466286AH4	307.91	-	307.91	217.20	(90.71)	217.20	484.46
46629QAR7	13,880.46	-	13,880.46	3,800.00	(10,080.46)	3,800.00	34,136.00
46629QAU0	1,464,528.27	-	1,464,528.27	1,404,150.00	(60,378.27)	1,404,150.00	1,106,352.50
46629TAP5	15,869.93	-	15,869.93	10,800.00	(5,069.93)	10,800.00	73,142.00
46630KAA4	1,602,207.06	-	1,602,207.06	1,530,732.32	(71,474.74)	1,530,732.32	1,317,540.34
525221CD7	716,769.44	-	716,769.44	484,971.00	(231,798.44)	484,971.00	90,215.24
525221CE5	289.33	-	289.33	-	(289.33)	-	7,854.89
525221DV6	3,449.65	-	3,449.65	2,394.94	(1,054.71)	2,394.94	86,338.90
525221FE2	7,720.86	-	7,720.86	3,363.20	(4,357.66)	3,363.20	12,358.50
525221JA6	116,346.84	-	116,346.84	81,030.00	(35,316.84)	81,030.00	406,247.24
525226AL0	1,055,302.54	-	1,055,302.54	997,957.40	(57,345.14)	997,957.40	102,952.50
525229AG5	1,931,253.09	-	1,931,253.09	1,680,020.00	(251,233.09)	1,680,020.00	1,273,802.56
52524VAG4	14,474,664.81	-	14,474,664.81	14,416,315.57	(58,349.24)	14,416,315.57	8,784,292.16
52524YAF0	13,450,949.29	-	13,450,949.29	13,386,690.17	(64,259.12)	13,386,690.17	7,263,302.75
55027AAU4	6,219,823.70	-	6,219,823.70	6,105,504.94	(114,318.76)	6,105,504.94	3,131,646.74
56119LAG8	1,531,598.40	-	1,531,598.40	1,186,038.30	(345,560.10)	1,186,038.30	214,965.00
576433FP6	771,580.52	-	771,580.52	716,828.32	(54,752.20)	716,828.32	213,700.43
576433GW0	2,295,240.95	-	2,295,240.95	1,556,877.33	(738,363.62)	1,556,877.33	646,036.06
57643LMP8	1,993,072.89	-	1,993,072.89	1,947,900.00	(45,172.89)	1,947,900.00	1,002,042.90
576444AA1	(779.62)	-	(779.62)	-	779.62	-	-
5899293W6	1,807,333.19	-	1,807,333.19	1,786,708.53	(20,624.66)	1,786,708.53	944,289.17
589929E87	1,448,488.04	-	1,448,488.04	1,279,493.11	(168,994.93)	1,279,493.11	837,606.22
589929P69	830,665.30	-	830,665.30	478,173.69	(352,491.61)	478,173.69	461,485.74
589929X29	5,532,994.49	-	5,532,994.49	5,493,059.31	(39,935.18)	5,493,059.31	3,800,413.69
59020UQ57	3,596,606.83	-	3,596,606.83	3,585,447.04	(11,159.79)	3,585,447.04	1,908,268.00
590212AB2	253,386.47	-	253,386.47	248,375.12	(5,011.35)	248,375.12	255,826.54
59023FAA3	176,165.41	-	176,165.41	130,914.20	(45,251.21)	130,914.20	132,099.73
59023WAG3	32,000.47	-	32,000.47	21,300.00	(10,700.47)	21,300.00	36,446.40
59024UAB7	1,566,860.27	-	1,566,860.27	1,598,526.69	31,666.42	1,598,526.69	1,151,062.94
617451DQ9	10,030,791.45	-	10,030,791.45	9,954,962.94	(75,828.51)	9,954,962.94	8,429,423.39
61748HRF0	2,763.46	-	2,763.46	-	(2,763.46)	-	91.39
61750FAE0	739,608.63	-	739,608.63	679,675.00	(59,933.63)	679,675.00	541,904.34
61751JAQ4	24,575.78	-	24,575.78	13,759.20	(10,816.58)	13,759.20	47,797.93
617526AE8	330,663.44	-	330,663.44	313,885.00	(16,778.44)	313,885.00	247,384.92
61753VAG7	1,369.53	-	1,369.53	960.00	(409.53)	960.00	3,245.84
61755FAE5	13,795.30	-	13,795.30	6,720.00	(7,075.30)	6,720.00	41,503.98
61757MAB4	2,416,976.44	-	2,416,976.44	2,191,534.85	(225,441.59)	2,191,534.85	2,104,833.35
61915RAZ9	(48,861.61)	-	(48,861.61)	(99,571.12)	(50,709.51)	(99,571.12)	21,658.12
61915PBB1	8,041,934.45	-	8,041,934.45	7,966,617.83	(75,316.62)	7,966,617.83	5,094,346.85
638728AC9							

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
65106FAB8	\$ 12,246,548.33	\$ -	\$ 12,246,548.33	\$ 11,793,326.27	\$ (453,222.06)	\$ 11,793,326.27	\$ 8,280,989.02
65106FAG7	393,807.29	-	393,807.29	204,425.00	(189,382.29)	204,425.00	693,283.63
65535VEY0	439,294.57	-	439,294.57	330,026.26	(109,268.31)	330,026.26	649,249.81
65535VLQ9	10,002.24	-	10,002.24	7,670.51	(2,331.73)	7,670.51	53,267.93
65535VPK8	1,862.16	-	1,862.16	-	(1,862.16)	-	6,932.41
65535VSQ2	19,886.90	-	19,886.90	7,198.79	(12,688.11)	7,198.79	38,984.74
65535WUS5	2,700,789.29	-	2,700,789.29	2,764,641.09	63,851.80	2,764,641.09	2,166,578.74
65537BAG5	66,290.17	-	66,290.17	45,150.00	(21,140.17)	45,150.00	161,976.15
65538DAA3	3,587,773.52	-	3,587,773.52	3,545,133.47	(42,640.05)	3,545,133.47	2,582,862.12
66987WDE4	2,625,510.75	-	2,625,510.75	2,428,800.00	(196,710.75)	2,428,800.00	1,196,770.74
669884AF5	19,285.80	-	19,285.80	11,250.00	(8,035.80)	11,250.00	20,330.50
68389FBW3	33,467.51	-	33,467.51	32,514.84	(952.67)	32,514.84	26,461.32
69121PDE0	337,904.52	-	337,904.52	330,332.54	(7,571.98)	330,332.54	342,386.82
74922MAB7	11,431,419.30	-	11,431,419.30	12,060,094.72	628,675.42	12,060,094.72	6,799,658.99
74922MAC5	1,608,236.42	-	1,608,236.42	1,589,031.34	(19,205.08)	1,589,031.34	938,655.75
74924YAH6	18,269.99	-	18,269.99	8,550.00	(9,719.99)	8,550.00	18,488.81
74951PBT4	5,484,649.92	-	5,484,649.92	2,882,847.76	(2,601,802.16)	2,882,847.76	3,317,692.94
74951PBV9	1,236,488.82	-	1,236,488.82	367,538.91	(868,949.91)	367,538.91	634,193.57
75114NAA2	12,415,475.64	-	12,415,475.64	12,592,378.28	176,902.64	12,592,378.28	7,078,169.46
75114NAB0	4,382,484.62	-	4,382,484.62	4,341,810.74	(40,673.88)	4,341,810.74	2,673,649.69
75156XAC5	1,406,146.85	-	1,406,146.85	1,330,200.00	(75,946.85)	1,330,200.00	899,292.00
75405KAG3	16,425.07	-	16,425.07	12,300.00	(4,125.07)	12,300.00	75,213.00
75970JAL0	61,163.35	-	61,163.35	48,650.00	(12,513.35)	48,650.00	92,067.50
75971EAK2	101,429.40	-	101,429.40	89,250.00	(12,179.40)	89,250.00	247,528.76
76110GJ85	3,864,459.70	-	3,864,459.70	3,665,252.74	(193,206.96)	3,665,252.74	3,061,346.35
76110GTL5	1,463,336.67	-	1,463,336.67	1,300,907.44	(162,429.23)	1,300,907.44	1,302,525.24
76110H4RM8	288,079.24	-	288,079.24	294,469.45	6,390.21	294,469.45	165,342.19
76110H5D7	4,105.91	-	4,105.91	-	(4,105.91)	-	8,182.00
76110HKX6	7,893,012.90	-	7,893,012.90	6,186,611.22	(1,706,401.68)	6,186,611.22	4,372,713.03
76110HKY4	1,278,603.06	-	1,278,603.06	508,627.13	(769,975.93)	508,627.13	472,017.62
76110W4J2	9,281.19	-	9,281.19	5,900.00	(3,381.19)	5,900.00	15,173.50
761118FM5	11,578,199.50	-	11,578,199.50	11,351,800.46	(226,399.04)	11,351,800.46	8,055,693.27
761118FQ6	(5,394.10)	-	(5,394.10)	684.04	6,078.14	684.04	815.88
761118LA4	89,364.47	-	89,364.47	19,128.92	(70,235.55)	19,128.92	53,689.56
761118NM4	11,750,031.34	-	11,750,031.34	11,683,514.47	(66,516.87)	11,683,514.47	6,831,233.12
761118RJ9	584,954.38	-	584,954.38	586,526.40	1,572.02	586,526.40	294,944.40
761118WP9	14,619,263.04	-	14,619,263.04	14,876,489.48	257,226.44	14,876,489.48	8,313,574.28
761118WS3	383.75	-	383.75	227.01	(156.74)	227.01	225.89
76112B4M9	2,439,020.27	-	2,439,020.27	2,404,349.19	(34,671.08)	2,404,349.19	2,019,511.99
76112BK66	11,985.79	-	11,985.79	6,300.00	(5,685.79)	6,300.00	10,654.50
76112BN55	24,080.01	-	24,080.01	14,400.00	(9,680.01)	14,400.00	16,935.00
76113ABJ9	1,388,640.81	-	1,388,640.81	1,337,600.00	(51,040.81)	1,337,600.00	859,889.60
79543ASM2	528,733.61	-	528,733.61	529,063.44	329.83	529,063.44	353,400.35
79543AYA1	1,746,028.85	-	1,746,028.85	1,703,857.90	(42,170.95)	1,703,857.90	778,101.18
79543AYB9	218,187.22	-	218,187.22	187,191.41	(30,995.81)	187,191.41	96,687.17
81377EAA2	202,504.30	-	202,504.30	186,651.28	(15,853.02)	186,651.28	187,847.34
81378EAA1	4,708,051.44	-	4,708,051.44	4,553,938.28	(154,113.16)	4,553,938.28	3,378,267.41
81379EAA0	618,582.45	-	618,582.45	592,323.58	(26,258.87)	592,323.58	493,421.15
81744DAD4	15,718.69	-	15,718.69	6,858.21	(8,860.48)	6,858.21	383,641.06
81879MAX7	52,295.44	-	52,295.44	31,371.60	(20,923.84)	31,371.60	57,163.88
84752CAE7	1,739,762.41	-	1,739,762.41	1,694,120.80	(45,641.61)	1,694,120.80	737,746.90
863572F99	587,916.59	-	587,916.59	510,742.13	(77,174.46)	510,742.13	587,374.29
863579DV7	1,068,600.51	-	1,068,600.51	1,010,289.20	(58,311.31)	1,010,289.20	167,669.35
863579DX3	127,318.68	-	127,318.68	84,995.11	(42,323.57)	84,995.11	32,006.02
863579GG7	151,897.55	-	151,897.55	54,661.92	(97,235.63)	54,661.92	73,424.24
863579GJ1	17,924.39	-	17,924.39	4,252.65	(13,671.74)	4,252.65	11,790.55
863579YR3	9,668,608.41	-	9,668,608.41	9,682,436.26	13,827.85	9,682,436.26	6,454,932.31
86358BAH5	11,444.36	-	11,444.36	7,600.00	(3,844.36)	7,600.00	12,137.78
86358HRL5	227,783.68	-	227,783.68	61,403.81	(166,379.87)	61,403.81	86,371.95
86358R5Q6	141,013.37	-	141,013.37	124,445.32	(16,568.05)	124,445.32	79,901.94
86358R5R4	70,851.82	-	70,851.82	5,081.88	(65,769.94)	5,081.88	55,213.13
86358RA49	1,102,248.66	-	1,102,248.66	1,018,016.27	(84,232.39)	1,018,016.27	1,025,969.02
86358RUM7	144,265.60	-	144,265.60	140,834.85	(3,430.75)	140,834.85	83,173.74
86358RUR6	281,833.09	-	281,833.09	14,020.35	(267,812.74)	14,020.35	50,346.49
86358RZD2	131,567.35	-	131,567.35	68,070.84	(63,496.51)	68,070.84	81,051.70
86358RA5E9	400,036.49	-	400,036.49	378,193.16	(21,843.33)	378,193.16	214,705.34
86359A6A6	5,190,884.87	-	5,190,884.87	2,144,186.81	(3,046,698.06)	2,144,186.81	3,582,486.76
86359ACD3	657,812.43	-	657,812.43	698,847.44	41,035.01	698,847.44	593,348.76
86359ACE1	127,525.58	-	127,525.58	85,720.82	(41,804.76)	85,720.82	149,763.67
86359AEH2	217,329.03	-	217,329.03	142,463.94	(74,865.09)	142,463.94	29,794.54
86359AKY8	451,672.18	-	451,672.18	57,429.05	(394,243.13)	57,429.05	41,163.12
86359ANH2	1,625,931.20	-	1,625,931.20	1,597,034.59	(28,896.61)	1,597,034.59	1,436,518.18
86359AVY6	694,899.37	-	694,899.37	441,719.00	(253,180.37)	441,719.00	319,881.65
86359AXX6	3,496,393.13	-	3,496,393.13	2,901,987.18	(594,405.95)	2,901,987.18	2,440,768.26
86359AZE6	1,601,903.60	-	1,601,903.60	963,580.68	(638,322.92)	963,580.68	756,923.90
86359B7K1	180,036.49	-	180,036.49	177,133.15	(2,903.34)	177,133.15	149,857.96
86359BCV1	917,250.87	-	917,250.87	102,911.66	(814,339.21)	102,911.66	593,416.52
86359BLS8	(765.52)	-	(765.52)	4,756.32	5,521.84	4,756.32	9,386.31
86359BU82	80,989.75	-	80,989.75	59,799.79	(21,189.96)	59,799.79	9,375.22
86359DUV7	100,228.40	-	100,228.40	70,000.00	(30,228.40)	70,000.00	56,732.20
86361EAM3	5,713.02	-	5,713.02	3,284.60	(2,428.42)	3,284.60	7,494.26
86361EAP6	1,867.20	-	1,867.20	1,103.11	(764.09)	1,103.11	4,902.72
86361HAA2	15,908,376.25	-	15,908,376.25	15,741,893.88	(166,482.37)	15,741,893.88	8,278,116.90
86362HAA1	11,806,558.99	-	11,806,558.99	11,542,168.84	(264,390.15)	11,542,168.84	6,744,277.80
86362PAD7	122,110.19	-	122,110.19	107,406.00	(14,704.19)	107,406.00	89,587.21
86363DAA9	12,327,347.55	-	12,327,347.55	12,257,792.25	(69,555.30)	12,257,792.25	6,628,012.46
86363HAB8	4,505,006.39	-	4,505,006.39	4,920,744.14	415,737		

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
872224AL4	\$ 8,099.64	\$ -	\$ 8,099.64	\$ 1,164.18	\$ (6,935.46)	\$ 1,164.18	\$ 13,797.68
872227AE3	5,255,391.40	-	5,255,391.40	5,112,134.61	(143,256.79)	5,112,134.61	4,213,328.85
872227AM5	36,583.13	-	36,583.13	32,844.00	(3,739.13)	32,844.00	268,004.90
88157QAL2	963,204.69	-	963,204.69	903,069.62	(60,135.07)	903,069.62	1,216,408.62
89789KAC9	11,270.83	-	11,270.83	6,900.00	(4,370.83)	6,900.00	25,650.00
929227EN2	563,748.66	-	563,748.66	366,800.69	(202,947.97)	366,800.69	207,340.98
929227QB5	319,152.69	-	319,152.69	297,658.60	(21,494.09)	297,658.60	257,135.74
92922FQ76	492,060.13	-	492,060.13	405,902.60	(86,157.53)	405,902.60	280,065.77
92922FW61	1,691,317.87	-	1,691,317.87	1,626,676.33	(64,641.54)	1,626,676.33	1,107,227.53
92922FZP8	10,776,618.19	-	10,776,618.19	10,695,625.74	(80,992.45)	10,695,625.74	7,703,997.63
92925CBB7	5,342,724.98	-	5,342,724.98	5,283,888.27	(58,836.71)	5,283,888.27	3,459,548.28
92926SAB2	37,659.12	-	37,659.12	33,309.57	(4,349.55)	33,309.57	31,677.85
92978EAA2	1,299,702.15	-	1,299,702.15	1,277,040.35	(22,661.80)	1,277,040.35	1,207,177.23
939335P90	136,353.31	-	136,353.31	24,812.73	(111,540.58)	24,812.73	105,085.13
9393363A9	482,453.05	-	482,453.05	429,963.70	(52,489.35)	429,963.70	438,545.75
9393365V1	2,188,779.74	-	2,188,779.74	2,194,352.58	5,572.84	2,194,352.58	1,760,086.24
939336PT4	264,641.23	-	264,641.23	75,014.80	(189,626.43)	75,014.80	61,371.06
939336X65	14,242,800.09	-	14,242,800.09	14,219,553.38	(23,246.71)	14,219,553.38	9,642,452.63
93934FJQ6	20,300,949.76	-	20,300,949.76	20,060,077.34	(240,872.42)	20,060,077.34	11,625,147.87
93934FMJ8	263,742.17	-	263,742.17	134,735.94	(129,006.23)	134,735.94	498,094.80
93934XAB9	1,814,260.94	-	1,814,260.94	1,794,115.38	(20,145.56)	1,794,115.38	1,802,322.38
93935AAE2	346,761.77	-	346,761.77	398,513.52	51,751.75	398,513.52	583,482.14
93935GAJ8	140,962.78	-	140,962.78	706.10	(140,256.68)	706.10	256,003.82
93935LAG3	153,138.70	-	153,138.70	50,369.66	(102,769.04)	50,369.66	158,381.51
93936JAM4	6,031.51	-	6,031.51	1,911.17	(4,120.34)	1,911.17	81,602.39
9497EVAF2	18,528.82	-	18,528.82	11,347.50	(7,181.32)	11,347.50	19,633.90
94983EAH6	16,211,475.69	-	16,211,475.69	16,192,004.62	(19,471.07)	16,192,004.62	13,657,428.60
94983TAE0	12,925,620.38	-	12,925,620.38	12,813,551.55	(112,068.83)	12,813,551.55	10,974,352.32
94983VAC9	9,097,159.83	-	9,097,159.83	8,692,723.09	(404,436.74)	8,692,723.09	8,522,414.47
94983YAQ2	5,376,220.47	-	5,376,220.47	5,308,861.83	(67,358.64)	5,308,861.83	4,332,505.87
Totals	\$ 1,349,124,213.70	\$ -	\$ 1,349,124,213.70	\$ 1,290,817,167.68	\$ (58,307,046.02)	\$ 1,290,817,167.68	\$ 852,088,739.42

The following is the impairment listing for loan-backed and structured securities for the three months ended September 30, 2009:

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
00075WAB5	\$ 519,208.77	\$ -	\$ 519,208.77	\$ 505,397.28	\$ (13,811.49)	\$ 505,397.28	\$ 431,544.10
004375CT6	7,163,799.24	2,320,488.32	9,484,287.56	9,484,287.55	(0.01)	9,484,287.55	7,603,980.73
004375EW7	1,412,259.63	(9,547.64)	1,402,711.99	1,215,557.40	(187,154.59)	1,215,557.40	1,054,591.76
004421TD5	1,640,313.96	(83,433.87)	1,556,880.09	1,395,269.58	(161,610.51)	1,395,269.58	603,332.40
00442FAB8	256,655.93	67,716.63	324,372.56	230,705.16	(93,667.40)	230,705.16	236,444.88
00442GAD2	1,907,379.94	2,091,086.82	3,999,066.76	3,124,322.03	(874,744.73)	3,124,322.03	3,153,383.33
00442JAE4	9,408,905.28	2,634,274.09	12,043,179.37	9,698,807.36	(2,344,372.01)	9,698,807.36	6,926,676.96
00442KAD3	4,530,278.00	1,014,609.95	5,544,887.95	4,412,473.61	(1,132,414.34)	4,412,473.61	2,762,424.19
00442LAD1	4,696,408.29	(298,978.62)	4,397,429.67	3,239,829.89	(1,157,599.78)	3,239,829.89	2,626,155.02
007034AQ4	9,932,047.59	-	9,932,047.59	8,177,107.14	(1,754,940.45)	8,177,107.14	6,315,489.20
007036CE4	276,597.44	(7,657.27)	268,940.17	27,673.33	(241,266.84)	27,673.33	50,000.00
007036FY7	267,715.87	(115,286.24)	152,429.63	46,375.37	(106,054.26)	46,375.37	25,491.51
007036GB6	1112,630.46	28,476.25	1,141,106.71	1,141,195.35	88.64	1,141,195.35	356,724.66
007037BK9	4,376,248.93	174,940.68	4,551,189.61	2,812,608.70	(1,738,580.91)	2,812,608.70	2,106,840.61
01853GAB6	231,399.39	458,587.09	689,986.48	690,133.77	147.29	690,133.77	1,034,316.50
021455AB6	1,199,606.82	-	1,199,606.82	1,183,426.74	(16,180.08)	1,183,426.74	1,145,072.26
02146QAB9	18,139,547.18	(1,109,038.40)	17,030,508.78	16,602,919.70	(427,589.08)	16,602,919.70	9,826,134.14
02146TAQ0	23,322,301.50	(3,781,076.79)	19,541,224.71	18,632,146.52	(903,078.19)	18,632,146.52	16,793,527.25
02146YAD8	28,392,731.92	(1,298,316.49)	27,094,415.43	24,850,522.96	(2,243,892.47)	24,850,522.96	13,539,627.32
02147CAA1	12,032,963.00	(836,316.62)	11,196,646.38	11,146,023.16	(50,623.22)	11,146,023.16	6,680,035.47
02147DAB7	15,685,992.89	(1,423,193.90)	14,262,798.99	13,739,163.79	(523,635.20)	13,739,163.79	8,208,072.23
02147DAV3	2,659,658.94	381,732.43	3,041,391.37	2,786,404.27	(254,987.10)	2,786,404.27	1,852,975.82
02150MAB1	18,990,768.73	(2,272,583.08)	16,718,185.65	15,971,550.45	(746,635.20)	15,971,550.45	10,462,726.43
02639MAK2	19,054,674.06	(762,686.44)	18,291,987.62	18,291,987.62	-	18,291,987.62	13,047,387.11
02639MAM8	3,136,786.00	1,153,598.00	4,290,384.00	2,593,716.17	(1,696,667.83)	2,593,716.17	5,466,780.00
02660CAH3	250,275.32	559,387.76	809,663.08	784,773.38	(24,889.70)	784,773.38	272,569.10
02660TGN7	10,657,143.64	-	10,657,143.64	10,535,845.86	(121,297.78)	10,535,845.86	5,663,862.77
02660THA4	94,063.71	-	94,063.71	46,875.57	(47,188.14)	46,875.57	80,625.87
02660THL0	2,559,936.42	(330,934.05)	2,229,002.37	2,025,163.17	(203,839.20)	2,025,163.17	863,944.51
02660THT3	622,626.02	399,665.57	1,022,291.59	1,020,817.61	(1,473.98)	1,020,817.61	708,081.81
02660TJB0	28,906,129.30	(232,636.52)	28,673,492.78	28,315,779.46	(357,713.32)	28,315,779.46	13,601,174.72
02660VAK4	9,099.58	(9,369.79)	(270.21)	426.15	696.36	426.15	18,836.29
02660WAC0	24,520,208.95	(2,153,257.07)	22,366,951.88	21,454,399.72	(912,552.16)	21,454,399.72	11,771,553.20
02660XAD6	17,347,613.20	(1,191,995.95)	16,155,617.25	15,936,191.45	(219,425.80)	15,936,191.45	8,959,921.86
026929AD1	10,898,574.62	-	10,898,574.62	10,736,099.56	(162,475.06)	10,736,099.56	5,488,165.72
040104QN4	6,095,225.59	-	6,095,225.59	6,057,919.75	(37,305.84)	6,057,919.75	5,026,788.50
040104RV5	4,592,756.38	(123,260.12)	4,469,496.26	3,772,497.34	(696,998.92)	3,772,497.34	2,517,537.98
040104TG6	2,029,362.63	(124,581.79)	1,905,380.84	1,479,019.19	(426,361.65)	1,479,019.19	990,027.60
04012XAC9	844,620.86	-	844,620.86	759,834.46	(84,786.40)	759,834.46	495,326.07
04544TAB7	1,355,804.60	(280,621.33)	1,075,183.27	1,075,183.27	-	1,075,183.27	1,245,280.75
053642AC8	5,321,777.88	(371,777.88)	4,950,000.00	4,950,000.00	-	4,950,000.00	1,500,000.00
055294AA0	4,696,838.95	(945,422.18)	3,751,416.77	3,751,416.78	0.01	3,751,416.78	2,452,269.32
05535DCF9	9,821,744.05	(1,071,303.73)	8,750,440.32	8,750,440.31	(0.01)	8,750,440.31	5,750,898.37
05615P209	1,286,368.63	(589,368.63)	697,000.00	697,000.00	-	697,000.00	340,000.00
05615TAA0	5,007,026.16	(1,288,226.16)	3,718,800.00	3,718,800.0			

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
05616YAE0	\$ 18,853,825.29	\$ (4,465,158.11)	\$ 14,388,667.18	\$ 14,388,667.18	\$ -	\$ 14,388,667.18	\$ 1,883,333.40
05617AMN8	34,594.93	-	34,594.93	2,310.04	(32,284.89)	2,310.04	14,596.18
05617BAA7	3,722,628.53	3,103,871.47	6,826,500.00	6,826,500.00	-	6,826,500.00	222,000.00
05946XJV4	170,338.75	(117,857.21)	52,481.54	52,477.87	(3.67)	52,477.87	158,146.37
05946XYB3	183,707.74	-	183,707.74	118,648.44	(65,059.30)	118,648.44	109,381.11
05946XYP2	1,428,514.72	-	1,428,514.72	1,330,552.30	(97,962.42)	1,330,552.30	773,023.36
05948XVJ7	815,068.00	114,504.11	929,572.11	902,461.25	(27,110.86)	902,461.25	202,681.69
05949AGR5	1,088,627.28	-	1,088,627.28	1,082,581.86	(6,045.42)	1,082,581.86	931,832.30
05949AHG8	6,613,855.55	-	6,613,855.55	6,501,312.64	(112,542.91)	6,501,312.64	5,982,534.38
05949ALH1	3,136,063.07	-	3,136,063.07	3,109,213.69	(26,849.38)	3,109,213.69	2,847,287.53
05950HAA9	28,262,827.99	(1,154,765.51)	27,108,062.48	27,038,486.91	(69,575.57)	27,038,486.91	20,120,243.68
06050HKY3	183,898.38	107,785.83	291,684.21	291,680.77	(3.44)	291,680.77	93,668.82
06652DAA7	8,246,372.76	(246,350.64)	8,000,022.12	7,959,884.65	(40,137.47)	7,959,884.65	4,385,454.26
07325HAC9	3,396,421.72	(37,314.22)	3,359,107.50	3,359,107.50	-	3,359,107.50	2,066,435.00
07325VAG9	3,340,344.14	(37,370.28)	3,302,973.86	2,902,615.24	(400,358.62)	2,902,615.24	2,138,970.12
07384MS60	4,802,277.96	(427,276.98)	4,375,000.98	4,367,916.95	(7,085.03)	4,367,916.95	3,674,773.49
07384MV33	56,469.35	149,524.72	205,994.07	214,436.54	8,442.47	214,436.54	236,688.54
073852AA3	4,843,248.05	-	4,843,248.05	4,807,800.46	(41,447.59)	4,807,800.46	4,403,044.26
073852AD7	4,331,840.60	(1,562,111.24)	2,769,729.36	2,164,167.52	(605,561.84)	2,164,167.52	1,627,815.00
073854AB7	15,735,555.94	1,003,379.75	16,738,935.69	15,361,791.55	(1,377,144.14)	15,361,791.55	10,384,084.09
073860AA6	2,827,917.98	(113,353.92)	2,714,564.06	2,623,863.37	(90,700.69)	2,623,863.37	2,211,259.89
073860AB4	3,147,261.45	47,965.59	3,195,227.04	2,841,322.73	(353,904.31)	2,841,322.73	2,075,165.70
07386HCP4	287,255.08	92,493.22	379,748.30	191,434.49	(188,313.81)	191,434.49	69,923.74
07386HEN7	683,827.45	197,897.45	881,724.90	852,425.17	(29,299.73)	852,425.17	183,905.88
07386HHW4	151,576.30	(117,136.18)	34,440.12	28,412.44	(6,027.68)	28,412.44	99,856.91
07386HJL6	380,590.74	51,484.69	432,075.43	424,530.53	(7,544.90)	424,530.53	431,673.79
07386HLU3	53,001.38	(40,308.61)	12,692.77	9,848.96	(2,843.81)	9,848.96	68,639.21
07386HSF9	207,583.40	4,598.76	212,182.16	85,616.79	(126,565.37)	85,616.79	112,096.48
07386HSP7	7,138,266.05	-	7,138,266.05	7,074,398.19	(63,867.86)	7,074,398.19	4,455,205.98
07386HYN5	57,906.24	(215,405.52)	36,365.72	35,975.20	(390.52)	35,975.20	43,711.43
07387PA0	1,587,800.00	313,374.00	1,900,974.00	1,795,558.69	(105,415.31)	1,795,558.69	659,730.00
07387QF8	1,328,399.34	(98,923.77)	1,229,475.57	1,171,121.69	(58,353.88)	1,171,121.69	649,962.43
073879Z2	11,350,187.74	681,869.83	12,032,057.57	11,367,569.79	(664,487.78)	11,367,569.79	4,120,809.48
07387AFA8	407,156.26	(7,974.91)	399,181.35	399,184.06	2.71	399,184.06	247,897.72
07387UHB0	29,857.49	84,717.94	114,575.43	10,137.29	(104,438.14)	10,137.29	95,307.24
07388EAA4	2,648,431.65	(327,186.43)	2,321,245.22	2,087,349.58	(233,895.64)	2,087,349.58	1,569,830.16
07388UAB6	1,894,719.76	(125,738.87)	1,768,980.89	1,597,444.86	(171,536.03)	1,597,444.86	1,308,020.00
07389LAA7	978,764.88	-	978,764.88	951,767.30	(26,997.58)	951,767.30	780,857.51
07389PAY6	671,883.04	(195,194.37)	476,688.67	354,984.94	(121,703.73)	354,984.94	281,451.61
07389VA5	2,177,866.83	(223,129.66)	1,954,737.17	1,855,577.98	(99,159.19)	1,855,577.98	1,721,263.73
07400XAB4	6,160,794.91	(2,275,619.75)	3,885,175.16	3,600,099.61	(285,075.55)	3,600,099.61	1,783,112.33
07401EAA7	16,539,134.17	(4,399,772.21)	12,139,361.96	11,105,046.49	(1,034,315.47)	11,105,046.49	9,174,680.50
07401LAA1	18,438,834.77	(2,014,958.39)	16,423,876.38	16,423,876.38	-	16,423,876.38	9,280,464.75
07401LAQ6	4,994,293.71	(389,130.39)	4,605,163.32	4,579,487.64	(25,675.68)	4,579,487.64	2,610,532.26
07401LAT0	12,189.72	-	12,189.72	-	(12,189.72)	-	-
07401LBA0	556,503.37	115,133.88	671,637.25	676,731.96	5,094.71	676,731.96	741,652.79
07401UAB9	-	651,320.58	651,320.58	-	(651,320.58)	-	-
07820QAY1	18,863,836.78	(411,968.78)	18,451,868.00	18,352,306.98	(99,561.02)	18,352,306.98	12,499,070.11
07820QBL8	3,376,566.99	(136,328.89)	3,240,238.10	3,233,685.51	(6,552.59)	3,233,685.51	1,818,474.42
078446AB7	151,595.08	33,405.00	185,000.08	166,400.00	(18,600.08)	166,400.00	166,400.00
12489WQE7	1,982,150.96	(88,050.96)	1,894,100.00	1,538,342.85	(355,757.15)	1,538,342.85	813,420.00
12489WQH0	756,130.95	(107,825.17)	648,305.78	103,752.46	(544,553.32)	103,752.46	91,631.00
1248MAAD9	2,541,014.19	(528,869.19)	2,012,145.00	1,433,340.60	(578,804.40)	1,433,340.60	1,679,880.00
1248MEAE9	1,983,024.90	(149,056.65)	1,833,968.25	1,353,070.11	(480,898.14)	1,353,070.11	1,161,082.58
1248MEAG4	1,224,402.87	(51,403.72)	1,172,999.15	955,591.98	(217,407.17)	955,591.98	937,256.20
1248MGAJ3	259,895.47	(5,620.38)	254,275.09	254,246.64	(28.45)	254,246.64	257,087.82
1248RHAD9	4,825,729.33	624,421.61	5,450,150.94	4,688,108.38	(762,042.56)	4,688,108.38	2,622,062.01
12498NAB9	1,639,061.21	(18,936.42)	1,620,124.79	1,463,465.46	(156,659.33)	1,463,465.46	1,169,679.50
12544WAK3	1,396,569.43	(463,642.49)	932,926.94	932,916.32	(10.62)	932,916.32	1,360,197.70
12567AAF4	577,626.82	203,879.63	781,506.45	787,811.24	6,304.79	787,811.24	878,129.07
12627HAN0	-	11,466.84	11,466.84	1,367.93	(10,098.91)	1,367.93	1,683.51
12629EAK1	54,524.12	21,017.46	75,541.58	20,271.04	(55,270.54)	20,271.04	63,138.27
12629EAL9	8,583.86	2,453.62	11,037.48	1,360.90	(9,676.58)	1,360.90	3,134.03
12638PAL3	15,184.14	(438.66)	14,745.48	1,666.44	(13,079.04)	1,666.44	15,146.04
12666XAB3	7,019,185.30	(923,288.60)	6,095,896.70	5,223,181.76	(872,714.94)	5,223,181.76	4,569,055.09
126670HG6	9,352,673.98	-	9,352,673.98	9,355,922.98	3,249.00	9,355,922.98	10,084,815.30
126670JD1	1,863,362.52	(192,104.00)	1,671,858.52	1,574,212.30	(97,646.22)	1,574,212.30	1,283,185.56
126670KN7	1,678,388.88	356,254.93	2,034,643.81	1,882,551.51	(152,092.30)	1,882,551.51	841,961.40
126670LM6	2,415,597.36	626,916.91	3,042,514.27	3,042,514.26	(0.01)	3,042,514.26	1,460,640.00
126670LP1	7,123,064.58	(596,888.59)	6,526,175.99	5,761,620.57	(764,555.42)	5,761,620.57	2,062,295.21
126670PG7	2,444,356.65	610,383.35	3,054,740.00	3,054,739.99	(0.01)	3,054,739.99	973,650.00
126670TU2	203,746.99	(7,048.14)	196,698.85	188,591.24	(8,107.61)	188,591.24	166,127.47
126670WT1	5,701,723.83	(140,685.72)	5,561,038.11	5,410,642.91	(150,395.20)	5,410,642.91	4,024,154.63
12667F2A2	225,614.10	(54,562.89)	171,051.21	170,407.29	(643.92)	170,407.29	57,084.58
12667FBJ3	2,827,064.21	(108,914.75)	2,718,149.46	2,515,383.04	(202,766.42)	2,515,383.04	1,926,746.07
12667FUL7	363,818.07	668,569.98	1,032,388.05	768,054.37	(264,333.68)	768,054.37	362,632.08
12667G4D2	32,994.70	5,056.87	38,051.57	38,064.70	13.13	38,064.70	47,697.12
12667GME0	18,880,537.38	(297,783.85)	18,582,753.53	18,548,991.69	(33,761.84)	18,548,991.69	10,249,733.30
12667GR62	13,052,068.54	(667,748.98)	12,384,319.56	12,339,645.63	(44,673.93)	12,339,645.63	7,945,081.82
12667GR							

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
12668ACG8	\$ 4,998,888.12	\$ (153,482.01)	\$ 4,845,406.11	\$ 4,845,406.08	\$ (0.03)	\$ 4,845,406.08	\$ 3,609,924.61
12668ACZ6	4,493,766.63	(173,854.08)	4,325,912.55	4,137,284.50	(188,628.05)	4,137,284.50	2,379,271.66
12668AEV3	15,081,269.65	(829,384.30)	14,251,885.35	13,690,673.49	(561,211.86)	13,690,673.49	8,133,735.72
12668AEZ4	85,623.07	(59,104.31)	26,518.76	26,518.61	(0.15)	26,518.61	84,444.08
12668AF48	-	30,018.43	30,018.43	30,018.43	-	30,018.43	263,873.71
12668AGW9	3,741,720.38	(345,539.94)	3,396,180.44	3,388,293.64	(7,886.80)	3,388,293.64	2,866,088.17
12668APF6	546,648.54	-	546,648.54	528,509.16	(18,139.38)	528,509.16	389,806.39
12668ATY1	64,981.06	285.75	65,266.81	65,301.40	34.59	65,301.40	96,700.87
12668AUD5	22,947.44	(17,168.66)	5,778.78	5,778.80	0.02	5,778.80	11,618.93
12668AVP7	9,011,861.26	(149,623.93)	8,862,237.33	8,786,969.57	(75,267.76)	8,786,969.57	4,809,012.14
12668AWQ4	63,064.95	(41,182.86)	21,882.09	21,891.84	9.75	21,891.84	76,664.17
12668BAU7	256,515.37	72,316.61	328,831.98	331,444.91	2,612.93	331,444.91	411,142.82
12668BB77	31,401,310.26	(1,312,292.16)	30,089,018.10	27,235,988.98	(2,853,029.12)	27,235,988.98	15,870,222.21
12668BDR1	62,791.96	(34,399.63)	28,392.33	9,544.23	(18,848.10)	9,544.23	77,363.31
12668BE33	17,706,796.02	-	17,706,796.02	16,793,629.68	(913,166.34)	16,793,629.68	8,840,208.91
12668VAB5	-	620,497.66	620,497.66	-	(620,497.66)	-	-
126694A93	16,898.38	(10,895.47)	6,002.91	6,003.39	0.48	6,003.39	17,439.22
126694F86	20,391.45	(15,609.59)	4,781.86	2,247.30	(2,534.56)	2,247.30	18,426.75
126694N46	5,470,899.87	(86,756.35)	5,384,143.52	5,360,641.34	(23,502.18)	5,360,641.34	3,671,788.82
126694P36	13,351.26	(7,740.95)	5,610.31	1,755.02	(3,855.29)	1,755.02	26,949.00
126694YW2	-	8,580.56	8,580.56	3,829.91	(4,750.65)	3,829.91	35,756.56
126694ZB7	92,124.00	(43,841.51)	48,282.49	14,982.76	(33,299.73)	14,982.76	87,298.75
126694ZD3	10,000.05	(6,657.19)	3,342.86	1,305.16	(2,037.70)	1,305.16	9,044.43
126694J56	301,531.31	-	301,531.31	286,548.50	(14,982.81)	286,548.50	67,864.28
126694KFR3	304,143.53	(11,418.61)	292,724.92	292,930.75	205.83	292,930.75	281,052.68
126694FP23	926,517.96	(144,719.28)	781,798.68	581,479.73	(200,318.95)	581,479.73	773,778.26
126694FP31	380,634.09	148,409.28	529,043.37	529,599.59	556.22	529,599.59	2,648,192.87
126694FVD2	1,169,620.10	(65,066.69)	1,104,553.41	1,077,602.48	(26,950.93)	1,077,602.48	1,003,245.17
126694FW82	1,314,727.94	(10,002.13)	1,304,725.81	1,287,811.50	(16,914.31)	1,287,811.50	868,963.99
126694GKH3	15,331,821.57	(276,763.61)	15,055,057.96	15,002,316.60	(52,741.36)	15,002,316.60	10,052,878.55
126694GPB1	16,950.71	9,248.94	26,199.65	26,230.15	30.50	26,230.15	53,255.89
126694GRM5	3,911,114.03	(384,606.77)	3,526,507.26	3,513,044.42	(13,462.84)	3,513,044.42	1,780,769.18
126694GRQ6	10,272,369.54	(1,065,274.43)	9,207,095.11	9,207,134.49	39.38	9,207,134.49	4,609,484.89
126694GTV3	467,078.28	-	467,078.28	452,088.33	(14,989.95)	452,088.33	243,610.29
126694GUR0	4,439,724.36	-	4,439,724.36	4,240,384.06	(199,340.30)	4,240,384.06	2,441,775.73
126694GXW6	471,356.95	(139,215.79)	332,141.16	317,212.09	(14,929.07)	317,212.09	463,602.20
14454AAAB5	4,471,714.44	(55,600.07)	4,416,114.37	3,857,608.47	(558,505.90)	3,857,608.47	4,164,604.52
172939AB6	15,337.86	-	15,337.86	13,118.45	(2,219.41)	13,118.45	15,336.27
172981AK8	342,521.18	(31,891.65)	310,629.53	310,632.30	2.77	310,632.30	389,038.34
172981AL6	151,789.82	(25,449.25)	126,340.57	126,414.10	73.53	126,414.10	240,485.38
17307G3D8	2,598,040.25	-	2,598,040.25	2,350,810.16	(247,230.09)	2,350,810.16	1,117,297.50
17307GH76	463,195.26	(55,298.08)	407,897.18	407,963.50	66.32	407,963.50	270,268.29
17307GH84	131,176.06	1,655.85	132,831.91	132,825.92	(5.99)	132,825.92	108,707.01
17307GMQ8	8,616,619.66	(505,406.42)	8,111,213.24	8,111,213.24	-	8,111,213.24	7,609,572.61
17307GN79	418,283.59	(315,563.30)	102,720.29	102,725.13	4.84	102,725.13	414,688.77
17307GPE2	18,552,801.73	(4,842,253.54)	13,710,548.19	13,710,548.20	0.01	13,710,548.20	12,283,335.08
17307GPW2	513,103.85	(424,513.73)	88,590.12	88,590.13	0.01	88,590.13	165,726.90
17307GYD4	2,829,465.75	(31,728.82)	2,797,736.93	2,797,736.96	0.03	2,797,736.96	2,803,004.85
17309CAL9	79,993.93	(52,423.25)	27,570.68	10,146.60	(17,424.08)	10,146.60	59,030.30
17309MAB9	13,156,128.34	(395,030.64)	12,761,097.70	10,885,808.42	(1,875,289.28)	10,885,808.42	9,089,032.68
17309MAF0	220,729.10	11,570.76	232,299.86	58,628.93	(173,670.93)	58,628.93	59,073.95
17309NAH4	774,441.64	(174,961.62)	593,480.02	373,732.49	(225,747.53)	373,732.49	1,317,984.39
17309NAC8	9,483,531.50	-	9,483,531.50	9,131,483.87	(352,047.63)	9,131,483.87	6,448,000.00
17309QAM6	9,141.75	-	9,141.75	4,197.12	(4,944.63)	4,197.12	8,836.65
17309RAM4	56,280.88	(4,625.89)	51,654.99	13,656.64	(37,998.35)	13,656.64	73,720.22
17309SAC4	8,325,171.25	(504,005.88)	8,421,165.37	6,941,987.90	(1,479,177.47)	6,941,987.90	5,687,470.00
17309SAM2	4,636.01	4,720.97	9,356.98	2,553.02	(6,803.96)	2,553.02	5,013.99
17309SAN0	7,214.87	(137.27)	7,077.60	1,509.08	(5,568.52)	1,509.08	2,668.08
17309YAJ6	54,564.03	20,288.62	74,852.65	39,911.23	(34,941.42)	39,911.23	114,422.81
17309YAK3	-	28,604.03	28,604.03	4,216.72	(24,387.31)	4,216.72	42,204.10
17310UAE2	51,053.34	(27,826.82)	23,226.52	4,863.91	(18,362.61)	4,863.91	37,520.51
17311FAL8	30,887.23	(21,445.18)	9,442.05	154.36	(9,287.69)	154.36	222,132.05
17311YAC7	3,150,249.53	480,130.23	3,630,379.76	2,862,498.86	(767,880.90)	2,862,498.86	2,101,458.18
17312TAH6	1,893,993.95	(226,464.53)	1,667,529.42	1,440,032.26	(227,497.16)	1,440,032.26	1,534,891.53
22540V3F7	1,890,042.00	553,538.77	2,443,580.77	2,443,442.72	(138.05)	2,443,442.72	507,466.40
22540V5D0	115,031.22	(28,738.44)	96,292.78	86,191.16	(101.62)	86,191.16	74,035.85
22540VQ70	899,374.17	236,261.77	1,136,235.94	1,136,235.94	-	1,136,235.94	623,860.28
22541N5E5	1,473,419.26	-	1,473,419.26	1,369,780.86	(103,638.40)	1,369,780.86	691,510.56
22541NBT5	1,074,616.32	347,070.61	1,421,686.93	1,420,919.03	(767.90)	1,420,919.03	859,509.76
22541NFL8	5,118,467.49	(127,761.32)	4,990,706.17	4,990,706.20	0.03	4,990,706.20	2,288,500.02
22541NUB3	2,880,202.96	(91,441.62)	2,788,761.34	2,788,444.82	683.48	2,788,444.82	2,398,709.70
22541Q4M1	663,173.64	613,317.19	1,276,490.83	1,276,344.86	(145.97)	1,276,344.86	618,494.55
22541QDB5	552,429.99	-	552,429.99	541,611.89	(10,818.10)	541,611.89	312,958.91
22541QFK3	481,402.84	(110,640.98)	370,761.86	370,790.64	28.78	370,790.64	331,665.58
22541QJR4	330,174.13	245,780.50	575,954.63	575,938.00	(16.63)	575,938.00	262,950.66
22541QV25	578,646.08	220,527.23	799,173.31	798,461.81	(711.50)	798,461.81	91,246.41
22541SFL7	852.18	(105.66)	746.52	69.29	(677.23)	69.29	510.78
22541SJV1	3,738,393.83	(4,813.15)	3,733,580.68	3,733,580.68	-	3,733,580.68	962,824.24
22541SRC4	434,980.63	93,437.29	528,417.92	528,417.92	-	528,417.92	385,161.77
22541SRZ3	31,598.34	(7,509.28)	24,089.06	12,763.53	(11,325.53)	12,763.53	43,762.64
22541SSD1	314,047.25	(127,205.03)	186,842.22	187,095.50	253.28	187,095.50	865,190.68
22541SXR4	2,613,816.01	(531,847.60)	2,081,968.41	1,786,429.75	(295,538.66)	1,786,429.75	869,884.19
2							

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
22943HAK2	\$ 30,517.90	\$ 15,690.33	\$ 46,208.23	\$ 201.96	\$ (46,006.27)	\$ 201.96	\$ 8,097.82
23242TAB2	4,953,226.88	(301,664.83)	4,651,562.05	4,063,349.86	(588,212.19)	4,063,349.86	3,404,713.15
23243AAD8	1,565,156.10	(124,145.33)	1,441,010.77	1,293,891.82	(147,118.95)	1,293,891.82	743,267.56
23244FAM6	24,363.20	(20,376.13)	3,987.07	88.50	(3,898.57)	88.50	31,646.43
23244LAB7	4,296,125.45	(919,083.73)	3,377,041.72	2,921,778.81	(455,262.91)	2,921,778.81	2,582,580.00
23245QAA7	2,760,260.16	(106,228.45)	2,654,031.71	2,609,924.65	(44,107.06)	2,609,924.65	1,457,295.67
23248AAJ0	1,565,856.87	(105,779.76)	1,460,077.11	1,301,324.71	(158,752.40)	1,301,324.71	1,068,942.12
23332UAC8	5,807,742.68	(13,168.35)	5,794,574.33	5,741,469.60	(53,104.73)	5,741,469.60	3,866,071.61
23332UAR5	10,467,214.03	(18,172.73)	10,449,041.30	10,449,041.30	-	10,449,041.30	6,182,658.05
23332UAS3	277,932.48	-	277,932.48	206,727.94	(71,204.54)	206,727.94	65,384.78
23332UBV5	7,460,439.38	(479,169.10)	6,981,270.28	6,981,270.28	-	6,981,270.28	4,313,808.10
23332UCM4	658,612.31	-	658,612.31	643,759.22	(14,853.09)	643,759.22	401,892.70
23332UDU5	22,851,604.71	(656,343.79)	22,195,260.92	22,100,532.47	(94,728.45)	22,100,532.47	13,289,579.24
23332UFV1	1,605,962.27	(74,651.56)	1,531,310.71	1,531,310.71	-	1,531,310.71	843,104.65
251508AB3	12,475,288.19	(297,899.32)	12,177,388.87	10,617,465.44	(1,559,923.43)	10,617,465.44	6,145,035.48
25150PAD1	32,778.73	(16,297.96)	16,480.77	1,953.61	(14,521.16)	1,953.61	4,542.36
251510FB4	8,549,333.83	(194,897.70)	8,354,436.13	7,642,454.65	(711,981.48)	7,642,454.65	5,761,634.00
251510FL2	159,899.64	-	159,899.64	156,803.09	(3,096.55)	156,803.09	227,998.74
251510HS5	13,603,006.39	(1,103,261.72)	12,499,744.67	12,076,035.59	(423,709.08)	12,076,035.59	8,439,838.24
251510NB5	6,034,679.55	-	6,034,679.55	5,767,870.03	(266,809.52)	5,767,870.03	3,683,705.40
251510NC3	8,740,923.18	5,593,334.86	14,334,258.04	14,334,258.03	(0.01)	14,334,258.03	2,968,247.91
25151AA9	4,856,137.55	2,503,372.19	7,359,509.74	6,689,907.58	(669,602.16)	6,689,907.58	3,929,711.54
251563DR0	102,525.63	(50,707.75)	51,817.88	32,476.26	(19,341.62)	32,476.26	102,321.81
26248PMM0	10,997.67	-	10,997.67	2,416.74	(8,580.93)	2,416.74	5,730.01
26410MAF7	5,233,856.64	(2,757,559.00)	2,476,297.64	2,700,672.60	224,374.96	2,700,672.60	527,148.00
26410WAD0	3,213,269.77	413,203.94	3,626,473.71	3,097,151.46	(529,322.25)	3,097,151.46	856,615.50
26441EAC5	401,016.00	(116,766.00)	284,250.00	284,250.00	-	284,250.00	175,000.00
26441NAA9	-	53,400.00	53,400.00	16,200.00	(37,200.00)	16,200.00	16,200.00
26441NAB7	-	31,000.00	31,000.00	10,800.00	(20,200.00)	10,800.00	10,800.00
29108PAB0	(134,092.48)	2,264,092.48	2,130,000.00	2,130,000.00	-	2,130,000.00	1,100,000.00
30247DAD3	2,051,017.09	(1,137,411.77)	913,605.32	845,088.51	(68,516.81)	845,088.51	1,000,034.00
316599AB5	140,483.38	-	140,483.38	136,159.33	(4,324.05)	136,159.33	131,868.91
31678UAA7	289,345.77	159,741.30	449,087.07	448,714.56	(372.51)	448,714.56	228,687.27
318340AB2	1,106,527.87	449,771.16	1,556,299.03	1,315,378.39	(240,920.64)	1,315,378.39	611,000.01
32027NLM1	10,391.79	(1,561.24)	8,830.55	8,830.55	-	8,830.55	9,161.00
320510CK6	563,580.03	-	563,580.03	552,380.05	(11,219.98)	552,380.05	551,934.49
32051DRA2	115,648.30	-	115,648.30	109,462.89	(6,185.41)	109,462.89	101,136.64
32051DV33	794,995.19	(53,051.26)	741,943.93	742,001.26	57.33	742,001.26	631,716.89
32051GBV6	195,657.25	-	195,657.25	190,371.32	(5,285.93)	190,371.32	247,779.49
32051GCF0	554,677.61	(231,053.37)	323,624.24	260,229.45	(63,394.79)	260,229.45	479,396.76
32051GFF7	114,141.34	(49,374.38)	64,766.96	38,252.95	(26,514.01)	38,252.95	44,989.43
32051GVN2	3,821,650.34	-	3,821,650.34	3,791,624.29	(30,026.05)	3,791,624.29	3,605,696.38
32051GZ57	7,648,650.03	(484,876.35)	7,163,773.68	6,908,445.51	(255,328.17)	6,908,445.51	5,687,933.60
32052CAD5	187.27	-	187.27	-	(187.27)	-	-
32056CAH2	18,026,259.76	(719,438.20)	17,306,821.56	17,195,946.42	(110,875.14)	17,195,946.42	13,160,090.74
32113JAA3	745,161.46	-	745,161.46	730,438.24	(14,723.22)	730,438.24	399,219.66
32113JBV6	690,144.22	(368,021.55)	322,122.67	228,030.96	(94,091.71)	228,030.96	118,856.40
35729RAE6	10,399,373.35	(270,043.94)	10,129,329.41	7,883,777.67	(2,245,551.74)	7,883,777.67	8,255,183.02
359522007	12,597,726.70	(4,238,353.77)	8,359,372.93	8,065,459.68	(293,903.25)	8,065,459.68	2,239,090.41
359522023	10,157,208.88	(3,420,733.95)	6,736,474.93	6,509,562.83	(226,912.10)	6,509,562.83	1,725,443.26
359522031	10,918,604.98	(3,621,147.46)	7,297,457.52	6,890,943.13	(406,514.39)	6,890,943.13	1,698,588.00
359522049	9,616,866.38	(3,111,100.34)	6,505,766.04	5,920,336.51	(585,429.53)	5,920,336.51	1,433,549.70
359522056	9,823,862.10	(3,161,367.50)	6,662,494.60	6,015,993.51	(646,501.09)	6,015,993.51	1,367,656.20
359522064	10,038,057.69	(3,213,383.11)	6,824,674.58	6,114,977.70	(709,696.88)	6,114,977.70	1,448,192.70
359522A06	27,551,645.51	(13,015,358.19)	14,536,287.32	11,259,327.99	(3,276,959.33)	11,259,327.99	3,837,485.15
359522A14	1,310,604.18	(608,032.74)	702,571.44	525,997.05	(176,574.39)	525,997.05	172,084.53
359522A22	2,174,056.20	(1,016,132.73)	1,157,923.47	879,036.25	(278,887.22)	879,036.25	266,455.75
36228FU38	133,252.51	(23,408.35)	109,844.16	110,225.32	381.16	110,225.32	135,474.16
36233AE86	11,750,921.86	(409,585.78)	11,341,336.08	10,432,832.98	(908,503.10)	10,432,832.98	7,905,838.40
362334FS8	1,498,434.51	(52,548.01)	1,445,886.50	1,268,784.30	(177,102.20)	1,268,784.30	896,004.31
362341SG5	973,759.47	(251,383.68)	722,375.79	722,619.50	243.71	722,619.50	841,148.33
362341VU0	22,216,825.75	(706,260.26)	21,510,565.49	21,510,565.56	0.07	21,510,565.56	14,506,947.50
362341XE4	24,725,080.51	(112,609.69)	23,604,470.82	23,619,213.22	14,742.40	23,619,213.22	20,524,315.29
36242D324	99,672.30	18,970.87	118,643.17	57,525.76	(61,117.41)	57,525.76	37,989.60
36242DBY8	1,514,752.44	(11,567.69)	1,503,184.75	1,503,222.82	38.07	1,503,222.82	1,542,213.75
36242DB25	736,203.43	(295,389.29)	440,814.14	431,349.89	(9,464.25)	431,349.89	174,847.45
36242DGA5	255,499.68	(78,936.04)	176,563.64	131,227.71	(45,335.93)	131,227.71	109,513.40
362437AC9	2,904,701.65	-	2,904,701.65	2,766,512.29	(138,189.36)	2,766,512.29	2,200,124.57
36244LAA1	3,592,536.98	(35,823.51)	3,556,713.47	3,346,055.90	(210,657.57)	3,346,055.90	2,781,928.22
36248A0D7	20,578,094.31	(1,551,939.62)	19,026,154.69	17,271,484.62	(1,754,670.07)	17,271,484.62	10,506,726.52
38012UAA7	702,306.52	(135,212.34)	567,094.18	567,094.18	-	567,094.18	463,963.48
39538AAN6	112,699.15	(42,873.56)	69,825.59	6,620.32	(63,205.27)	6,620.32	46,850.28
39538RAB5	12,822,232.56	(211,618.14)	12,610,614.42	12,610,614.42	-	12,610,614.42	6,530,042.45
39538RBB4	14,678,426.13	-	14,678,426.13	14,242,584.03	(435,842.10)	14,242,584.03	7,704,968.48
39538WBH0	18,553.24	(5,118.63)	13,434.61	12,049.27	(1,385.34)	12,049.27	10,356.98
39538WEU8	40,208.50	(8,527.45)	31,681.05	1,855.69	(29,825.36)	1,855.69	18,233.47
39538WFH6	12,189,543.72	(450,769.55)	11,738,780.17	11,497,667.50	(241,112.67)	11,497,667.50	5,790,767.49
39538WHF8	35,953,806.23	(2,193,286.66)	33,760,519.57	33,038,438.02	(722,081.55)	33,038,438.02	17,810,559.51
39539GAA0	5,782,377.38	-	5,782,377.38	5,687,762.28	(94,615.10)	5,687,762.28	3,254,887.46</td

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
40431KAA8	\$ 218,202.31	\$ -	\$ 218,202.31	\$ 199,872.54	\$ (18,329.77)	\$ 199,872.54	\$ 171,190.71
40431KAE0	7,121,578.31	(179,682.76)	6,941,895.55	5,616,940.27	(1,324,955.28)	5,616,940.27	4,391,833.37
40431KAL4	-	29,984.05	29,984.05	356.28	(29,627.77)	356.28	39,389.28
40431KAN0	3,059.18	(2,656.02)	403.16	7.99	(395.17)	7.99	5,149.68
40431RAN5	42,004.00	(25,007.00)	16,997.00	7,087.43	(9,909.57)	7,087.43	40,890.00
40431XAE2	5,000,000.00	(561,010.00)	4,438,990.00	3,669,719.88	(769,270.12)	3,669,719.88	2,298,750.00
40431XAF9	1,652,330.35	(203,975.66)	1,448,354.69	1,186,537.22	(261,817.47)	1,186,537.22	2,520,998.43
41161PA86	2,172,925.09	(184,140.35)	1,988,784.74	1,982,904.87	(5,879.87)	1,982,904.87	1,517,659.57
41161PFR9	1,486,451.33	(24,007.88)	1,462,443.45	1,462,165.21	(278.24)	1,462,165.21	948,636.14
41161PH55	42,645.44	(24,922.09)	17,723.35	3,658.60	(14,064.75)	3,658.60	54,018.22
41161PHC0	8,923,425.56	-	8,923,425.56	8,884,066.38	(39,359.18)	8,884,066.38	5,672,667.45
41161PHU0	8,601,760.49	(145,308.40)	8,456,452.09	8,430,019.21	(26,432.88)	8,430,019.21	5,932,136.36
41161PHZ9	70,913.71	82,737.01	153,710.72	153,889.42	178.70	153,889.42	180,593.67
41161PKH5	757,675.22	(22,173.52)	735,501.70	725,024.85	(10,476.85)	725,024.85	396,503.30
41161PL43	24,615,331.86	(2,590,119.02)	22,025,212.84	21,612,784.20	(412,428.64)	21,612,784.20	11,709,148.24
41161PLR2	14,244,717.90	(385,166.07)	13,859,551.83	13,825,335.74	(34,216.09)	13,825,335.74	8,366,287.54
41161PMG5	17,253,098.35	(435,416.46)	16,817,681.89	16,726,726.35	(90,955.54)	16,726,726.35	9,864,976.57
41161PQU0	15,032,844.26	(509,899.05)	14,522,945.21	14,404,648.24	(118,296.97)	14,404,648.24	8,046,381.00
41161PSC8	187,355.22	(104,485.09)	82,870.13	33,906.46	(48,963.67)	33,906.46	128,873.17
41161PTM3	2,488,737.90	-	2,488,737.90	2,403,295.01	(85,442.89)	2,403,295.01	1,429,172.80
41161PTP8	1,047,870.97	(49,765.79)	998,105.18	894,911.80	(103,193.38)	894,911.80	381,718.55
41161PWB5	8,018,119.10	(221,789.19)	7,796,329.91	7,739,206.28	(57,123.63)	7,739,206.28	4,267,591.76
41161PXH1	920,291.74	-	920,291.74	916,897.69	(3,394.05)	916,897.69	556,437.84
41161PZR7	118,106.83	(67,955.53)	50,151.30	50,150.84	(0.46)	50,150.84	144,552.84
41162DAF6	11,701,738.11	(661,584.41)	11,040,153.70	11,040,153.68	(0.02)	11,040,153.68	6,862,911.53
41164LAB5	17,946,399.15	(161,791.91)	17,785,207.24	16,997,897.58	(787,309.66)	16,997,897.58	8,449,856.09
43738EAP2	22,361,392.55	(820,456.47)	22,140,936.08	22,140,936.08	-	22,140,936.08	12,892,201.96
43739EBJ5	10,261,824.53	-	10,261,824.53	10,189,859.48	(71,965.05)	10,189,859.48	7,276,570.28
43739EBS5	10,255,869.16	-	10,255,869.16	10,210,251.89	(45,617.27)	10,210,251.89	6,956,810.14
44328AAB6	110,785.78	-	110,785.78	97,220.60	(13,565.18)	97,220.60	91,241.98
45071KDD3	2,258,869.68	(21,618.04)	2,237,251.64	1,959,951.95	(277,299.69)	1,959,951.95	1,845,852.93
45254NHV2	371,610.30	-	371,610.30	367,980.43	(3,629.81)	367,980.43	123,297.15
45254NJG3	1,543,447.63	(6,571.48)	1,542,876.15	1,538,876.76	(3,399.39)	1,538,876.76	928,880.28
45254NJK4	263,296.35	-	263,296.35	248,823.16	(14,473.19)	248,823.16	227,276.45
45254NJP3	205,413.04	36,624.01	242,037.05	217,461.32	(24,575.73)	217,461.32	80,537.81
45254NJV0	1,138,070.34	(9,708.64)	1,128,361.70	1,128,361.70	-	1,128,361.70	788,426.01
45254NWX6	292,353.93	6,584.43	298,938.36	298,704.57	(233.79)	298,704.57	289,072.22
45254NKA4	495,568.65	(65,119.76)	430,448.89	431,215.66	766.77	431,215.66	321,464.99
45254NKD8	4,629,985.41	-	4,629,985.41	4,626,242.43	(3,742.98)	4,626,242.43	3,429,700.17
45254NKF3	5,907,374.72	(4,269.54)	5,903,705.18	5,903,705.18	-	5,903,705.18	4,022,194.93
45254NKK2	283,289.05	(174,576.02)	108,713.03	107,138.87	(1,574.16)	107,138.87	60,564.22
45254NKK4	7,161,988.36	(10,938.73)	7,151,049.63	7,000,982.48	(150,067.15)	7,000,982.48	4,810,195.34
45254NNP8	15,300,516.98	(58,004.25)	15,242,512.73	14,916,899.98	(325,612.75)	14,916,899.98	9,037,984.78
45254NPA9	17,242,032.23	(21,220.96)	17,220,811.27	17,188,650.63	(32,160.64)	17,188,650.63	11,291,071.24
45254NPG6	1,824,326.79	68,839.48	1,893,166.27	1,499,661.60	(393,504.67)	1,499,661.60	784,659.56
45254NPUS	6,143,726.31	(56,958.49)	6,086,767.82	6,081,734.04	(5,033.78)	6,081,734.04	3,455,846.04
45254TMK7	103,933.71	44,404.56	148,338.27	148,251.52	(86.75)	148,251.52	58,150.97
45254TSM7	5,134,958.75	-	5,134,958.75	4,904,216.59	(230,742.16)	4,904,216.59	2,203,345.32
45254TTM6	7,821,649.09	3,574,764.87	11,396,413.96	11,392,853.15	(3,560.81)	11,392,853.15	114,739.03
452570AA2	108,099.32	(11,936.08)	96,163.24	96,163.25	0.01	96,163.25	70,513.16
45257EAA2	7,076,387.15	(332,234.94)	6,744,152.21	6,379,410.87	(364,741.34)	6,379,410.87	2,700,786.82
45660L4P1	621,804.05	(133,398.47)	487,815.58	57,105.29	(430,710.29)	57,105.29	1,083,035.37
45660L4Q3	384,064.65	(251,714.72)	132,349.93	379.46	(131,370.47)	379.46	42,763.04
45660LAU3	198,143.26	-	198,143.26	171,417.93	(26,725.33)	171,417.93	166,005.65
45660LCN7	7,169,685.04	(373,021.18)	6,796,663.86	6,776,094.11	(20,569.75)	6,776,094.11	3,622,615.51
45660LGX1	178,224.04	(114,519.62)	63,704.42	63,704.11	(0.31)	63,704.11	72,065.00
45660LKW8	29,413,454.36	-	29,413,454.36	29,030,201.20	(383,253.16)	29,030,201.20	15,624,210.43
45660LNB1	41,659.39	8,529.99	420,189.38	327,147.44	(93,041.94)	327,147.44	236,660.48
45660LR84	279,459.32	(212,446.68)	67,012.64	17,959.47	(49,053.17)	17,959.47	126,578.07
45660LVD8	46,323.44	5,215.42	51,538.86	32,328.46	(19,210.40)	32,328.46	44,144.81
45660LW96	4,663,844.83	(200,285.25)	4,463,559.58	4,362,887.12	(100,672.46)	4,362,887.12	2,225,089.04
45660LWD7	5,091,502.81	(1,201,715.18)	3,889,787.63	3,884,344.71	(5,442.92)	3,884,344.71	2,954,382.62
45660LYW3	5,853,501.88	(131,428.11)	5,722,073.77	5,391,847.32	(330,226.45)	5,391,847.32	2,803,125.90
45660N2J3	6,372,718.41	(42,070.33)	6,330,648.08	6,179,827.90	(150,820.18)	6,179,827.90	3,707,712.83
45660N5H4	7,613,450.26	(85,652.21)	7,527,798.05	7,335,159.95	(192,638.10)	7,335,159.95	5,136,644.66
45660N7R0	297,682.97	(38,427.25)	259,255.72	125,824.32	(133,431.40)	125,824.32	121,149.00
45660NM44	270,353.97	12,515.17	282,869.14	694.68	(283,563.82)	694.68	456,315.03
45660NQ24	2,708,860.47	(143,975.78)	2,564,884.69	2,543,474.90	(21,409.79)	2,543,474.90	2,131,329.60
45660NRB3	721,448.94	390,163.68	1,111,612.62	1,111,448.99	(163.63)	1,111,448.99	561,917.32
45660NS30	3,078,528.74	(5,877.59)	3,072,651.15	3,039,838.61	(32,812.54)	3,039,838.61	1,572,367.56
45660NT96	3,452,909.04	-	3,452,909.04	3,384,296.00	(68,613.04)	3,384,296.00	2,624,022.47
456612AC4	21,551,229.32	(716,844.00)	20,834,385.32	20,836,618.72	2,233.40	20,836,618.72	11,326,676.00
45661EAA2	424,264.23	(41,654.37)	382,609.86	382,609.84	(0.02)	382,609.84	296,062.18
45661EAM6	(15,929.66)	-	(15,929.66)	-	15,929.66	-	-
45661LAG3	4,656,310.95	2,674,595.53	7,330,906.48	6,982,957.06	(347,949.42)	6,982,957.06	4,222,057.95
45661XAK8	(2,861.52)	-	(2,861.52)	-	2,861.52	-	-
45662BAJ8	150,566.18	(31,994.75)	118,571.43	118,571.43	-	118,571.43	96,138.02
45664BAE7	125,574.24	(4,872.64)	120,701.60	32,217.23	(88,484.37)	32,217.23	59,179.35
45664BAF4	14,896.53	-	14,896.53	151.42	(14,745.11)	151.42	16,400.35
45667QAJ0	152,815.71	(110,494.63)	42,321.08	23,470.58	(18,850.50)	23,470.58	58,765.38

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
466247XE8	\$ 8,378,386.49	\$ (401,760.29)	\$ 7,976,626.20	\$ 7,557,818.41	\$ (418,807.79)	\$ 7,557,818.41	\$ 4,957,619.01
46627MBQ9	14,793,717.92	(35,933.12)	14,757,724.80	14,588,991.65	(168,733.15)	14,588,991.65	9,339,570.00
46627MCS4	10,523,089.43	(724,672.56)	9,798,416.88	9,473,967.41	(324,449.47)	9,473,967.41	5,291,068.21
466284AG1	6,110.02	(3,489.00)	2,621.02	484.50	(2,136.52)	484.50	1,009.63
466286AH4	11,833.06	(9,643.85)	2,189.21	307.91	(1,881.30)	307.91	961.44
46629BAR0	4,307,876.98	(183,067.00)	4,124,809.98	3,387,847.38	(736,962.60)	3,387,847.38	3,528,750.00
46629NAC7	542,935.82	-	542,935.82	516,494.29	(26,441.53)	516,494.29	456,010.55
46629QAR7	39,647.40	(5,173.40)	34,474.00	13,880.46	(20,593.54)	13,880.46	34,246.00
46629QAU0	2,021,995.44	(38,863.00)	1,983,132.44	1,464,528.27	(518,604.17)	1,464,528.27	946,687.50
46629QBE5	9,013.40	-	9,013.40	1,755.71	(7,257.69)	1,755.71	4,614.60
46629QBF2	34,532.60	(23,878.43)	10,654.17	2,537.57	(8,116.60)	2,537.57	33,421.51
46629TAP5	28,239.94	10,415.06	38,655.00	15,869.93	(22,785.07)	15,869.93	77,296.00
46630CAC8	4,241,516.15	(239,120.51)	4,002,395.64	2,593,205.87	(1,403,189.77)	2,593,205.87	1,434,450.00
46630KAA4	1,953,316.24	(27,452.89)	1,925,863.35	1,740,643.15	(185,220.20)	1,740,643.15	1,416,365.51
52520MFT5	237,961.35	(69,153.80)	168,807.55	168,807.55	-	168,807.55	238,233.86
52521AW7	921,355.00	(667,600.19)	253,754.81	253,754.83	0.02	253,754.83	281,904.66
52521CD7	559,421.41	439,062.21	998,483.62	716,769.44	(281,714.18)	716,769.44	107,768.85
52521CE5	25,395.30	(11,082.18)	14,313.12	2,210.30	(12,102.82)	2,210.30	29,920.68
52521DV6	(8,775.38)	(12,813.42)	(21,588.80)	6,163.77	27,752.57	6,163.77	120,038.30
52521EN3	17,867,814.42	(1,222,548.02)	16,645,266.40	16,648,455.09	3,188.69	16,648,455.09	6,258,112.24
525221EY9	24,237.30	(18,781.92)	5,455.38	954.24	(4,501.14)	954.24	13,268.11
525221FE2	477.59	13,051.50	13,529.09	7,720.86	(5,808.23)	7,720.86	14,072.47
525221GK7	55,878.89	11,810.83	67,689.72	90.06	(67,599.66)	90.06	5,867.58
525221GM3	4,216,698.22	(243,581.79)	3,973,116.43	3,973,116.43	-	3,973,116.43	2,143,094.71
525221GW1	13,735.93	-	13,735.93	-	(13,735.93)	-	-
525221HA8	31,302,771.71	(3,924,129.91)	27,378,641.80	27,376,530.02	(2,111.78)	27,376,530.02	16,220,806.10
525221HK6	-	8,712.03	8,712.03	1,771.39	(6,940.64)	1,771.39	1,685.89
525221JA6	185,398.14	216,678.63	402,076.77	116,346.84	(285,729.93)	116,346.84	327,869.02
525226AL0	2,041,436.93	(881,883.17)	1,159,553.76	1,055,302.54	(104,251.22)	1,055,302.54	105,672.00
525229AG5	3,305,832.31	(1,374,579.22)	1,931,253.09	1,931,253.09	-	1,931,253.09	1,452,438.93
52522DAZ4	493.42	-	493.42	-	(493.42)	-	-
52522GAQ7	7,948.99	-	7,948.99	-	(7,948.99)	-	-
52524VAG4	16,012,291.61	(703,565.77)	15,308,725.84	14,880,794.38	(427,931.46)	14,880,794.38	8,310,209.38
52524YAF0	15,541,301.08	(1,360,381.05)	14,180,920.03	13,987,390.02	(193,530.01)	13,987,390.02	7,172,764.08
550279AA1	6,274,777.90	(236,352.07)	6,038,425.83	5,719,975.04	(318,450.79)	5,719,975.04	3,305,180.21
55027AAR1	16,288,890.63	(1,244,157.03)	15,044,733.60	14,831,783.35	(212,950.25)	14,831,783.35	8,697,837.47
55027AAU4	7,186,788.15	(614,901.60)	6,571,886.55	6,443,807.17	(128,079.38)	6,443,807.17	2,962,638.41
55027BAA6	20,955,333.39	(2,254,332.44)	18,701,000.95	17,758,278.13	(942,722.82)	17,758,278.13	8,466,012.75
55275NBB6	8,250.00	-	8,250.00	-	(8,250.00)	-	-
56119LAG8	4,723,808.83	(1,877,459.94)	2,846,348.89	1,531,598.40	(1,314,750.49)	1,531,598.40	146,430.00
576429AL8	19,711.56	(11,899.96)	7,811.60	6,301.40	(1,510.20)	6,301.40	32,665.19
576433E44	297,366.84	(76,658.37)	220,708.47	220,708.46	(0.01)	220,708.46	272,937.67
576433G42	10,652,312.45	(163,453.73)	10,488,858.72	10,412,833.49	(76,025.23)	10,412,833.49	5,566,969.43
576433H33	6,372,422.22	(392,290.83)	5,980,131.39	5,972,733.59	(7,397.80)	5,972,733.59	4,252,420.19
576433KG0	61,574.23	409,654.00	1,021,228.23	1,021,228.23	-	1,021,228.23	542,404.20
576433NH5	4,864,250.80	(932,638.83)	3,931,611.97	3,738,615.28	(192,996.69)	3,738,615.28	2,184,145.84
576433RU2	1,564,814.22	1,198,808.89	2,763,423.11	2,311,546.71	(451,876.40)	2,311,546.71	834,300.00
576433SE7	1,210,379.66	779,554.36	1,989,934.02	1,858,572.37	(131,361.65)	1,858,572.37	394,640.00
576433W25	2,716,809.47	(27,281.63)	2,689,527.84	2,689,527.83	(0.01)	2,689,527.83	2,741,425.34
576436CV9	721,026.64	(4,537.22)	716,489.42	654,247.18	(62,242.24)	654,247.18	443,794.43
57643AAA8	945,496.45	(82,062.60)	863,433.85	770,147.78	(93,286.07)	770,147.78	561,189.50
57643LMP8	2,789,386.65	(231,738.57)	2,557,648.08	1,993,072.89	(564,575.19)	1,993,072.89	990,090.30
57644AA1	-	(779.65)	(779.65)	(779.62)	0.03	(779.62)	-
589929D62	124,182.59	(54.60)	124,127.99	124,127.89	(0.10)	124,127.89	113,199.46
59020UAA3	258,104.69	(17,427.80)	240,676.89	241,216.22	539.33	241,216.22	258,055.41
59020UHP3	1,052,530.18	(38,769.78)	1,013,760.40	1,013,918.12	157.72	1,013,918.12	1,551,002.30
59020UQ57	3,985,091.88	(179,447.86)	3,805,644.02	3,709,559.79	(96,084.23)	3,709,559.79	1,886,796.00
59020UTL9	1,301,661.36	(250,222.66)	1,051,438.70	1,051,438.71	0.01	1,051,438.71	563,601.48
59020UXN0	988,984.54	(503,824.31)	485,160.23	337,980.13	(147,180.10)	337,980.13	343,243.94
59021AB2	374,387.65	(1,410.69)	372,976.96	283,938.22	(89,038.74)	283,938.22	240,738.19
59023WAG3	95,554.26	(20,280.06)	75,274.20	32,000.47	(43,273.73)	32,000.47	100,682.69
59024EAD9	3,325,725.45	335,633.92	3,661,359.37	2,550,410.90	(110,948.47)	2,550,410.90	2,626,032.47
59024UAB7	2,032,019.76	(1,128.09)	2,030,891.67	1,744,959.31	(285,932.36)	1,744,959.31	1,492,947.00
59024WAF4	441,002.12	(18,363.18)	422,638.94	422,639.40	0.46	422,639.40	30,981.59
61748HAA9	29,279.95	(72.49)	29,207.46	29,212.42	4.96	29,212.42	26,883.97
61748HRF0	144,755.20	(48,244.69)	96,510.51	12,607.65	(83,902.86)	12,607.65	2,570.55
61749BAB9	945,603.73	(5,384.35)	940,219.38	856,372.03	(83,247.35)	856,372.03	658,881.87
61749BAP8	2,417.08	(1,382.60)	1,034.48	789.67	(244.81)	789.67	2,192.23
61750FAE0	880,066.92	31,010.99	911,077.91	739,608.63	(171,469.28)	739,608.63	504,449.35
61750MAB1	115,988.62	-	115,988.62	106,384.19	(9,604.43)	106,384.19	111,448.07
61750SAB8	1,230,522.75	(5,100.27)	1,285,422.48	1,163,864.67	(121,557.81)	1,163,864.67	1,071,294.30
61751JAD4	38,767.09	19,560.54	58,327.63	24,575.78	(33,751.85)	24,575.78	47,181.32
61752AE8	476,968.44	(46,120.06)	430,848.38	330,663.44	(100,184.34)	330,663.44	246,923.38
61753KAB2	559,208.71	(774.82)	558,433.89	509,549.80	(48,884.09)	509,549.80	515,564.98
61753VAG7	-	2,766.48	2,766.48	1,369.53	(1,396.95)	1,369.53	2,887.04
61755AAB2	49,506.96	(442.13)	49,064.83	45,196.99	(3,867.84)	45,196.99	38,362.28
61755FAE5	37,534.44	(10,214.31)	27,320.13	13,795.30	(13,524.83)	13,795.30	10,768.38
61757MAB4	3,913,561.13	(835,075.75)	3,078,485.38	2,414,468.28	(664,017.10)	2,414,468.28	2,422,750.88
61915RAX4	2,201,640.30	-	2,201,640.30	1,339,676.66	(861,963.64)	1,339,676.66	1,614,302.59
61915RAZ9	11,829.77	148,828.39	160,658.16	11,861.95	(48,796.21)	11,861.95	33,803.15
61915RBBI	9,308,158.67	(625,806.12)	8,682,352.55	8,387,760.09	(294,592.46)	8,387,760.09	4,986,896.17
61915RBZ8	1,409,159.00	(272,420.17)	1,136,738.83	1,057,232.52	(79,506.31)	1,057,232.52	

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
65535VEY0	\$ 1,058,364.05	\$ 4,609.67	\$ 1,062,973.72	\$ 1,022,015.53	\$ (40,958.19)	\$ 1,022,015.53	\$ 656,871.50
65535VLQ9	-	43,484.42	43,484.42	15,910.41	(27,574.01)	15,910.41	75,971.03
65535VPK8	-	20,060.27	20,060.27	2,860.98	(17,199.29)	2,860.98	15,500.08
65535VRH3	6,266,429.36	1,539,821.26	7,806,250.62	6,086,108.40	(1,720,142.22)	6,086,108.40	5,584,866.16
65535VRK6	3,718,965.94	(45,152.89)	3,673,813.05	2,718,914.42	(954,898.63)	2,718,914.42	2,088,268.18
65535VSQ2	(82.52)	84,811.20	84,728.68	15,777.81	(68,950.87)	15,777.81	52,938.73
65535VU55	3,895,364.92	(14,580.71)	3,880,784.21	2,989,246.58	(891,537.63)	2,989,246.58	2,305,182.59
65537BAG5	135,801.47	27,719.32	163,520.79	66,290.17	(97,230.62)	66,290.17	186,827.55
65538DAA3	5,312,827.99	(755,452.40)	4,557,375.59	3,758,835.27	(798,540.32)	3,758,835.27	2,743,517.21
669387WE4	5,847,704.72	(1,907,696.14)	3,940,008.58	2,625,510.75	(1,314,497.83)	2,625,510.75	1,321,874.39
669984AF5	377,184.51	(320,129.01)	57,055.50	19,285.80	(37,763.70)	19,285.80	65,026.50
68383NCA9	29,122,184.77	(24,362.21)	29,097,822.56	28,077,470.17	(1,020,352.39)	28,077,470.17	19,464,924.60
68383NCD3	3,010,524.84	-	3,010,524.84	2,886,447.36	(124,077.48)	2,886,447.36	1,195,500.00
68383NCU5	11,502,942.75	-	11,502,942.75	11,278,190.80	(224,751.95)	11,278,190.80	6,778,459.97
68383NDT7	11,271,205.77	(896,796.33)	10,374,409.44	10,376,195.82	1,786.38	10,376,195.82	5,667,672.20
68383NDW0	3,597,142.89	1,966,825.58	5,563,968.47	5,563,968.48	0.01	5,563,968.48	1,438,805.68
68402CAC8	1,129,570.54	-	1,129,570.54	904,070.48	(225,500.06)	904,070.48	925,975.63
69121PDE0	465,476.34	(30,222.18)	435,254.16	371,270.34	(63,983.82)	371,270.34	362,633.76
69121PDX8	978,111.40	(12,463.44)	965,647.96	761,663.20	(203,984.76)	761,663.20	686,172.00
70069FHV2	1,768,763.27	2,237,789.96	4,006,553.23	4,006,553.22	(0.01)	4,006,553.22	791,420.34
74348UAL3	529,251.03	8,700,000.00	9,229,251.03	9,229,251.03	-	9,229,251.03	5,297,590.09
74919VAB2	10,652,302.68	(993,121.20)	9,659,181.48	9,313,276.32	(345,905.16)	9,313,276.32	7,593,689.89
74922MAB7	9,687,128.57	4,175,428.12	13,862,556.69	13,005,303.38	(857,253.31)	13,005,303.38	7,543,029.69
74922MAC5	2,092,990.54	(291,002.72)	1,801,987.82	1,711,344.62	(90,643.20)	1,711,344.62	1,034,273.47
74923PAJ2	1,571.45	2,853.35	4,424.80	1,660.00	(2,764.80)	1,660.00	1,630.30
74923PAK9	(391.02)	327.62	(63.40)	124.63	188.03	124.63	127.17
74923PAL7	1,971.91	-	1,971.91	-	(1,971.91)	-	-
74924UAB7	14,266,741.14	(505,253.85)	13,761,487.29	13,569,897.78	(191,589.51)	13,569,897.78	12,126,297.16
74924XAD7	1,426,249.05	659,240.86	2,085,489.91	376,108.88	(1,709,381.03)	376,108.88	615,410.40
74924YAH6	26,957.81	855.91	27,813.72	18,269.99	(9,543.73)	18,269.99	17,436.02
74927WAM6	228,730.11	71,175.90	299,906.01	299,674.84	(231.17)	299,674.84	374,845.91
74927XAM4	428,321.08	482,092.88	910,413.96	321,910.50	(588,503.46)	321,910.50	685,678.07
74951PB74	3,922,041.69	2,299,991.33	6,222,033.02	6,219,225.65	(2,807.37)	6,219,225.65	2,601,017.16
74951PBV9	894,714.17	506,127.46	1,400,841.63	1,400,234.30	(607.33)	1,400,234.30	481,894.24
75114GAC3	27,542,226.82	(1,593,933.88)	25,948,292.94	25,436,827.09	(51,465.85)	25,436,827.09	13,131,451.01
75114HAD9	26,156,641.02	(2,290,774.73)	23,865,866.29	23,209,196.24	(656,670.05)	23,209,196.24	12,420,778.06
75114HAK3	4,345,090.29	1,332,818.60	5,677,908.89	5,187,537.40	(490,371.49)	5,187,537.40	1,375,305.50
75114NAA2	17,619,327.37	(271,141.83)	17,348,185.54	13,233,122.05	(4,115,063.49)	13,233,122.05	11,049,903.55
75114NAB0	4,294,512.68	1,986,378.35	6,280,891.03	4,812,858.48	(1,468,032.55)	4,812,858.48	2,639,323.22
75156XAC5	1,692,681.48	(66,097.69)	1,626,583.79	1,406,146.85	(220,436.94)	1,406,146.85	390,224.99
75405KAG3	72,207.00	(33,520.50)	38,686.50	16,425.07	(22,261.43)	16,425.07	82,599.00
75406AAB5	8,895,403.76	(112,039.39)	8,783,364.37	8,534,745.54	(248,618.83)	8,534,745.54	6,409,197.82
75970JAL0	53,512.83	58,314.15	111,826.98	61,163.35	(50,663.63)	61,163.35	92,482.25
75971EAK2	257,595.69	(43,454.93)	214,140.76	101,429.40	(112,711.36)	101,429.40	265,536.27
760985U33	395,180.18	227,220.37	622,400.55	622,400.56	0.01	622,400.56	207,422.66
76110GG62	6,213,713.75	(73,638.66)	6,140,075.09	6,140,075.09	-	6,140,075.09	4,833,180.01
76110GG70	2,369,630.97	(225,691.40)	2,143,939.57	2,144,577.08	637.51	2,144,577.08	1,868,499.55
76110GJ85	3,997,112.98	(76,580.43)	3,920,532.55	3,920,532.57	0.02	3,920,532.57	3,421,042.45
76110GTL5	1,562,861.26	(79,616.47)	1,483,244.79	1,483,244.80	0.01	1,483,244.80	1,574,472.15
76110GZQ7	8,594,656.44	(93,127.26)	8,501,529.18	8,501,529.19	0.01	8,501,529.19	7,490,061.37
76110GZR5	3,073,642.49	(28,507.28)	3,045,135.21	3,045,637.00	501.79	3,045,637.00	2,766,575.59
76110H4M8	395,265.68	(3,107.15)	392,158.53	334,099.27	(58,059.26)	334,099.27	213,990.49
76110H4Q9	563,487.10	(86,553.64)	476,933.46	476,933.06	5.60	476,933.06	548,700.17
76110H5C9	1,054,092.13	(435,732.14)	618,359.99	314,578.84	(303,781.15)	314,578.84	230,605.76
76110H5D7	30,845.67	-	30,845.67	7,611.74	(23,233.93)	7,611.74	22,307.81
76110HKX6	5,323,061.55	2,813,000.16	8,136,061.71	8,135,654.13	(407.58)	8,135,654.13	5,455,081.97
76110HKY4	703,854.76	625,157.79	1,329,012.55	1,328,923.64	(88.91)	1,328,923.64	636,456.27
76110W4J2	24,575.12	1,138.47	25,713.59	9,281.19	(16,432.40)	9,281.19	11,360.80
76110W6M3	2,284,782.03	774,236.30	3,059,018.33	3,059,018.34	0.01	3,059,018.34	918,960.00
761118FM5	13,209,885.72	-	13,209,885.72	12,296,474.43	(913,411.29)	12,296,474.43	8,438,914.81
761118FQ6	58,397.92	(29,610.73)	28,787.19	6,871.76	(21,915.43)	6,871.76	36,361.08
761118KU1	9,725,160.09	-	9,725,160.09	8,846,793.13	(878,366.96)	8,846,793.13	5,189,883.97
761118LA4	53,796.11	36,697.64	90,493.75	90,493.51	(0.24)	90,493.51	56,162.22
761118NN4	13,169,053.72	(694,418.44)	12,474,635.28	12,175,403.88	(299,231.40)	12,175,403.88	7,067,863.87
761118PJ9	707,298.45	(65,944.35)	641,354.10	621,028.28	(20,325.82)	621,028.28	309,807.20
761118RM2	28,918,638.87	(2,753,099.13)	26,165,539.74	25,698,060.79	(467,478.95)	25,698,060.79	13,624,706.80
761118WE4	204.00	-	204.00	-	(204.00)	-	-
761118WP9	18,769,710.39	(1,200,907.10)	17,568,803.29	15,649,047.44	(1,919,755.85)	15,649,047.44	10,974,279.58
761118WS3	3,842.84	4,366.40	8,209.24	1,319.66	(6,889.58)	1,319.66	2,850.76
76112B4M9	2,906,247.24	(166,746.10)	2,739,501.14	2,639,861.63	(99,639.51)	2,639,861.63	1,706,190.19
76112BE48	1,553,562.99	327,594.16	1,881,157.15	1,878,001.27	(3,155.88)	1,878,001.27	1,468,690.76
76112BK66	29,668.14	1,031.12	30,699.26	11,985.79	(18,713.47)	11,985.79	14,717.40
76112BLZ1	648,509.15	2,256,347.73	2,904,856.88	2,904,856.89	0.01	2,904,856.89	1,032,365.44
76112BN55	62,581.52	(11,597.30)	50,984.22	24,080.01	(26,904.21)	24,080.01	19,886.20
76113ABJ9	1,991,058.20	(276,091.76)	1,714,966.44	1,388,640.81	(326,325.63)	1,388,640.81	603,031.78
76114GAL1	93,832.60	(7,899.88)	85,932.72	721.66	(85,211.06)	721.66	4,979.56
783422BF4	174,947.30	1,825,052.70	2,000,000.00	2,000,000.00	-	2,000,000.00	999,258.10
78402TAD8	658,267.91	531,732.09	1,190,000.00	1,190,000.00	-	1,190,000.00	464,357.04
79543AFV6	2,580,012.65	-	2,580,012.65	2,284,534.58	(295,478.07)	2,284,534.58	2,427,035.27
79543ASN0	290,908.06	115,31					

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
81879MAX7	\$ 92,102.98	\$ 15,742.14	\$ 107,845.12	\$ 52,295.44	\$ (55,549.68)	\$ 52,295.44	\$ 51,926.45
83612LAK5	3,923.58	-	3,923.58	-	(3,923.58)	-	-
84751PAA7	26,471.20	8,451.75	34,922.95	34,922.95	-	34,922.95	19,221.73
84752CAE7	2,585,715.86	(340,501.89)	2,245,213.97	1,739,762.41	(505,451.56)	1,739,762.41	744,068.89
8635722A0	304,298.96	-	304,298.96	258,947.73	(45,351.23)	258,947.73	215,387.01
863579DV7	1,592,934.73	(60,524.79)	1,532,409.94	1,094,361.06	(438,048.88)	1,094,361.06	177,264.90
863579DX3	166,572.65	34,636.60	201,209.25	148,056.44	(53,152.81)	148,056.44	94,283.24
863579GG7	165,415.67	661.88	166,077.55	166,077.40	(0.15)	166,077.40	141,003.15
863579GJ1	43,155.23	(22,724.27)	20,430.96	20,427.02	(3.94)	20,427.02	13,129.20
863579HM3	461,311.52	(367,802.35)	93,509.17	43,126.70	(50,382.47)	43,126.70	64,979.90
863579RE0	131,829.76	(115,383.13)	16,446.63	16,451.61	4.98	16,451.61	134,865.14
863579TU2	635,560.85	(532,661.09)	102,899.76	102,915.02	15.26	102,915.02	382,873.84
863579YR3	10,523,482.58	(90,438.93)	10,433,043.65	10,190,246.57	(242,797.08)	10,190,246.57	6,603,915.23
863579Z43	16,445.38	103,950.79	120,396.17	52,730.84	(67,665.33)	52,730.84	91,301.91
86358BAH5	32,690.46	(255.56)	32,434.90	11,444.36	(20,990.54)	11,444.36	14,153.86
86358EJQ8	4,145,569.20	(574,825.80)	3,570,743.40	3,206,363.81	(364,373.59)	3,206,363.81	806,857.32
86358HQW2	325,850.39	(266,556.53)	59,293.86	59,293.86	-	59,293.86	329,714.28
86358R3Q8	1,082,031.97	424,084.89	1,506,116.86	1,506,092.48	(24.38)	1,506,092.48	930,488.90
86358RE86	13,459.26	3,776.02	17,235.28	17,216.29	(18.99)	17,216.29	2,836.68
86358RL88	264,667.76	(34,909.91)	229,757.85	229,757.85	-	229,757.85	150,003.40
86358RLG0	385,111.34	49,705.21	434,816.55	434,784.64	(31.91)	434,784.64	271,022.08
86358RUL9	84,181.97	(56,749.75)	27,432.22	27,434.38	2.16	27,434.38	56,179.85
86358RUR6	101,135.94	206,388.52	307,524.46	307,529.13	4.67	307,529.13	56,947.29
86359ACC5	1,007,756.60	(196,483.91)	811,272.69	811,272.69	-	811,272.69	506,809.18
86359ACD3	843,958.00	(97,849.94)	746,108.06	745,811.91	(296.15)	745,811.91	612,335.68
86359ACE1	345,722.05	(27,506.90)	318,215.15	207,040.75	(111,174.40)	207,040.75	153,830.09
86359ACG6	76,697.26	(48,332.07)	28,365.19	28,188.04	(177.15)	28,188.04	67,311.50
86359AEH2	158,362.19	73,106.77	231,468.96	231,161.45	(307.51)	231,161.45	30,581.08
86359AH08	420,482.44	108,278.11	528,760.55	528,489.82	(270.73)	528,489.82	364,521.10
86359AVY6	723,277.78	(3,382.42)	719,895.36	719,895.36	-	719,895.36	342,404.38
86359B7K1	213,076.55	(21,837.31)	191,239.24	187,908.19	(3,331.05)	187,908.19	154,961.35
86359BCV1	1,070,239.86	(127,934.45)	942,305.41	943,268.90	963.49	943,268.90	613,162.68
86359BKF7	1,227,093.53	428,166.70	1,655,260.23	1,658,397.70	3,137.47	1,658,397.70	2,231,220.18
86359BLB5	1,732,358.74	(30,744.46)	1,701,614.28	1,702,757.96	1,143.68	1,702,757.96	1,458,676.48
86359BLQ2	2,648,861.80	990,587.67	3,639,449.47	3,643,248.65	3,799.18	3,643,248.65	5,778,105.17
86359BLS8	116,441.18	62,462.37	178,903.55	110,076.13	(68,827.42)	110,076.13	96,817.83
86359BU82	290,663.85	(87,421.09)	203,242.76	80,989.75	(122,253.01)	80,989.75	151,103.21
86359DUV7	179,245.29	(49,349.89)	129,895.40	100,228.40	(29,667.00)	100,228.40	135,607.50
86359DXD4	294,266.16	(226,143.96)	68,122.20	68,122.20	-	68,122.20	63,993.01
86359LRC5	384,170.49	(257,490.29)	126,680.20	126,661.96	(18.24)	126,661.96	346,786.86
86359LRW1	28,679,892.40	(1,510,541.26)	27,169,351.14	26,475,123.11	(694,228.03)	26,475,123.11	15,136,386.82
86359LSM2	2,030,257.81	(81,453.31)	1,948,804.50	1,816,551.68	(132,252.82)	1,816,551.68	1,064,313.36
86360JAA9	14,543,741.26	(532,562.71)	14,011,178.55	13,930,147.54	(81,031.01)	13,930,147.54	8,109,614.85
86360JAE1	12,649,848.35	(761,646.33)	11,889,200.02	11,813,112.90	(75,087.12)	11,813,112.90	6,503,599.28
86360JAN1	5,595,458.98	(379,004.23)	5,216,454.75	5,147,847.78	(68,606.97)	5,147,847.78	2,625,609.16
86360KAF5	46,798,820.18	(2,955,673.08)	43,843,147.10	41,980,382.44	(1,862,764.66)	41,980,382.44	24,515,561.95
86360NAS1	1,233,351.06	810,834.20	2,044,185.26	318.15	(2,043,867.11)	318.15	1,666,540.94
86360PAD9	83,766.14	(4,763.24)	79,002.90	67,324.16	(11,678.74)	67,324.16	33,421.56
86360UAF3	5,521,288.04	(305,067.73)	5,216,220.31	5,102,465.72	(113,754.59)	5,102,465.72	2,864,885.94
86361EAM3	17,440.33	-	17,440.33	5,713.02	(11,727.31)	5,713.02	10,628.07
86361EP6	9,042.00	-	9,042.00	3,046.79	(5,995.21)	3,046.79	8,085.00
86361EAQ4	-	2,346.27	2,346.27	655.03	(1,691.24)	655.03	2,523.50
86361HAA2	17,428,577.52	(684,001.96)	16,744,575.56	16,272,295.53	(472,280.03)	16,272,295.53	11,183,221.05
86361HAB0	11,651,742.66	(711,528.52)	10,940,214.14	10,943,104.96	2,890.82	10,943,104.96	7,842,308.99
86361HA27	-	9,594.00	9,594.00	3,464.37	(6,129.63)	3,464.37	39,630.00
86361HBA1	6,110.00	(3,826.40)	2,283.60	1,615.57	(668.03)	1,615.57	15,080.00
86362HAA1	14,588,619.53	(1,066,556.23)	13,522,063.30	12,561,288.69	(960,774.61)	12,561,288.69	7,147,203.91
86362HAB6	5,829.67	(3,177.69)	2,651.98	296.68	(2,355.30)	296.68	5,229.45
86362PAD7	253,545.94	(27,191.50)	226,354.44	122,110.19	(104,244.25)	122,110.19	71,430.42
86362XAV0	1,451.32	(1,120.95)	330.37	157.21	(173.16)	157.21	1,408.40
86363DAA9	13,760,475.45	(607,499.93)	13,152,975.52	12,694,054.56	(458,920.96)	12,694,054.56	7,142,217.23
86363HAB8	6,376,543.00	(237,447.51)	6,139,095.49	5,565,177.12	(573,918.37)	5,565,177.12	4,530,229.01
86363MAB7	5,202,696.47	(778,973.65)	4,423,722.82	3,978,852.21	(444,870.61)	3,978,852.21	2,186,856.00
86789MAP2	847,733.08	(457,943.46)	389,789.62	242,367.80	(147,421.82)	242,367.80	358,044.59
86800RAL5	1,972.56	-	1,972.56	-	(1,972.56)	-	-
872224AD2	20,349,000.00	-	20,349,000.00	19,360,265.50	(988,734.50)	19,360,265.50	9,799,142.34
872224AK6	119,332.16	(36,863.87)	82,468.29	28,832.86	(53,635.43)	28,832.86	124,089.68
872224AL4	40,816.07	(15,155.23)	25,660.84	25,660.84	-	25,660.84	43,894.13
872225AL1	93,706.50	(20,398.07)	73,308.43	73,308.44	0.01	73,308.44	230,995.55
872225AN7	30,641.99	(5,311.42)	25,330.57	25,330.58	0.01	25,330.58	98,001.41
872225AP2	22,599.87	219.29	22,819.16	22,819.15	(0.01)	22,819.15	92,891.37
872227AE3	8,031,420.99	(2,572,709.22)	5,458,711.77	5,313,561.29	(145,150.48)	5,313,561.29	3,957,824.24
872227AM5	181,133.95	(72,466.01)	108,667.94	36,583.13	(72,084.81)	36,583.13	177,935.23
872228AJ7	31,009.62	24,043.08	55,052.70	13,908.37	(41,144.33)	13,908.37	73,001.72
872228AN3	38,080.84	(17,273.04)	20,807.80	200.00	(20,607.80)	200.00	143,389.20
88156UAW0	-	45,750.00	45,750.00	45,750.00	-	45,750.00	30,500.00
88157QAL2	1,421,102.70	(457,898.05)	963,204.65	963,204.69	0.04	963,204.69	1,138,231.57
885220FS7	9,844,604.42	-	9,844,604.42	9,832,724.56	(11,879.86)	9,832,724.56	7,823,585.17
89789KAC9	30,127.35	(764.85)	29,362.50	11,270.83	(18,091.67)	11,270.83	27,000.00
92719UAM4	236,222.89	-	236,222.89	25,074.93	(211,147.96)	25,074.93	70,654.57
929227F26	52,265.55	(3,165.49)	49,100.06	49,100.06	-	49,100.06	124,067.66
929227F4M7	5,344,586.68	(19,929.97)	5,324,656.71	5,324,656.71	-	5,324,656.71	2,896,624.09
929227F5T1	9,171,169.14	(78,835.36)	9,092,333.78	9,092,333.78	-	9	

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
NOTES TO FINANCIAL STATEMENTS

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
92922FTJ7	\$ 1,833,244.40	\$ (49,499.34)	\$ 1,783,745.06	\$ 1,756,138.52	\$ (27,606.54)	\$ 1,756,138.52	\$ 1,176,690.61
92922FW61	2,327,563.81	(346,606.29)	1,980,957.52	1,873,062.99	(107,894.53)	1,873,062.99	1,192,605.33
92922FWU8	5,183,643.59	-	5,183,643.59	5,101,570.58	(82,073.01)	5,101,570.58	2,713,875.21
92922FZF8	11,146,213.55	(41,378.71)	11,104,834.84	11,104,834.84	-	11,104,834.84	7,900,401.88
92925CBB7	5,531,172.53	(24,538.49)	5,506,634.04	5,505,277.92	(1,356.12)	5,505,277.92	3,213,112.92
92926SAB2	58,318.93	(922.61)	57,396.32	50,378.73	(7,017.59)	50,378.73	38,707.45
92926SAE6	3,786,053.39	144,000.25	3,930,053.64	3,107,030.73	(823,022.91)	3,107,030.73	2,680,808.31
92977YAY7	2,719,007.55	414,130.93	3,133,138.48	2,868,059.48	(265,079.00)	2,868,059.48	94,172.41
92978EAA2	1,890,306.44	-	1,890,306.44	1,856,110.40	(234,196.04)	1,856,110.40	1,482,263.15
93363CAF6	715,176.15	-	715,176.15	676,140.30	(39,035.85)	676,140.30	683,550.19
93363A3A3	627,474.62	-	627,474.62	529,631.30	(97,843.32)	529,631.30	489,247.67
9393365V1	2,586,237.08	(269,112.39)	2,317,124.69	2,293,666.96	(23,457.73)	2,293,666.96	1,822,659.77
939336PT4	391,940.06	(122,328.61)	269,611.45	269,620.10	8.65	269,620.10	210,258.96
939336U35	1,970,462.37	(76,525.93)	1,893,936.44	1,893,979.36	42.92	1,893,979.36	1,738,382.89
93934FHC9	12,194,405.07	(1,040,681.96)	11,153,723.11	11,079,857.85	(73,865.26)	11,079,857.85	6,594,274.54
93934FHK1	125,978.62	(89,806.95)	36,171.67	36,171.66	(0.01)	36,171.66	150,363.33
93934FHL3	113.36	(761.93)	(648.57)	379.14	1,027.71	379.14	1,287.75
93934FJQ6	23,928,084.11	(2,524,843.98)	21,403,240.13	21,112,966.43	(290,273.70)	21,112,966.43	11,840,531.31
93934FMJ8	320,639.91	384,301.34	704,941.25	309,537.78	(395,403.47)	309,537.78	619,871.43
93934XAB9	2,779,422.93	(37,957.41)	2,741,465.52	2,365,617.00	(375,848.52)	2,365,617.00	2,147,559.47
93935AAE2	538,344.76	322,155.31	860,500.07	778,895.46	(81,604.61)	778,895.46	722,756.73
93935GAJ8	204,824.70	(20,348.81)	184,475.89	184,475.85	(0.04)	184,475.85	400,667.47
93935LAG3	352,542.75	195,529.97	548,072.72	380,550.36	(167,522.36)	380,550.36	256,255.23
93935WAP9	3,734.16	(1,009.22)	2,724.94	558.78	(2,166.16)	558.78	749.62
93935WAQ7	213.83	-	213.83	-	(213.83)	-	-
93936JAM4	344,464.75	76,650.92	421,115.67	15,796.16	(405,319.51)	15,796.16	158,641.85
941034AD2	257,293.51	(84,240.51)	173,053.00	173,053.00	-	173,053.00	225,090.30
941574AG0	7,340,873.94	(1,616,039.00)	5,724,834.94	5,222,700.00	(502,134.94)	5,222,700.00	450,000.00
9497EVAF2	18,903.75	12,699.04	31,602.79	18,528.82	(13,073.97)	18,528.82	24,886.44
94980MAB4	51,701.22	-	51,701.22	-	(51,701.22)	-	-
94981PAG5	802,955.86	1,280,654.46	2,083,610.32	1,993,300.87	(90,309.45)	1,993,300.87	368,612.09
94981VAX5	1,188,385.23	(3,379.86)	1,185,005.37	1,185,005.37	-	1,185,005.37	1,167,253.01
94983CAJ6	22,596,075.06	(3,685.55)	22,592,389.51	22,592,389.52	0.01	22,592,389.52	19,042,096.00
94983TAE0	13,778,384.20	(9,809.29)	13,768,574.91	13,768,647.54	72.63	13,768,647.54	11,891,147.08
94983VAC9	10,613,691.73	(1,094,464.14)	9,519,227.59	9,528,559.05	9,331.46	9,528,559.05	7,833,355.09
94985JAG5	19,506,806.93	(924,368.23)	18,582,438.70	18,456,891.56	(125,547.14)	18,456,891.56	12,376,584.08
984582AA4	6,248,076.68	(378,282.85)	5,863,793.83	4,767,458.80	(1,102,335.03)	4,767,458.80	4,272,181.96
984582AB2	102,579.32	(33,344.79)	69,234.53	16,425.16	(52,809.37)	16,425.16	100,679.29
L26479NN8	2,022,238.45	(518,182.51)	1,504,055.94	1,237,933.81	(266,062.13)	1,237,933.81	1,441,266.57
L26480MN7	1,956,398.74	(1,294,852.03)	661,746.71	887,037.64	225,290.93	887,037.64	348,503.40
N2874AAB7	7,848,850.24	(3,145,633.23)	4,703,217.01	5,052,572.40	349,355.39	5,052,572.40	1,053,648.00
Totals	\$ 2,953,442,689.02	\$ (106,853,708.32)	\$ 2,846,588,980.70	\$ 2,700,948,264.43	\$ (145,640,716.27)	\$ 2,700,948,264.43	\$ 1,692,409,639.54

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
GENERAL INTERROGATORIES

PART 1 - COMMON INTERROGATORIES

GENERAL

- 1.1 Did the reporting entity experience any material transactions requiring the filing of Disclosure of Material Transactions with the State of Domicile, as required by the Model Act? Yes [] No [X]
- 1.2 If yes, has the report been filed with the domiciliary state? Yes [] No []
- 2.1 Has any change been made during the year of this statement in the charter, by-laws, articles of incorporation, or deed of settlement of the reporting entity? Yes [] No [X]
- 2.2 If yes, date of change: _____
3. Have there been any substantial changes in the organizational chart since the prior quarter end? Yes [] No [X]
If yes, complete the Schedule Y - Part 1 - organizational chart.
- 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. 12/31/2009
- 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
The MassMutual Trust Company, FSB	Enfield, CT	YES			
MML Distributors, LLC	Springfield, MA		YES		
MML Investors Services, LLC	Springfield, MA			YES	
OppenheimerFunds Distributor, Inc.	New York, NY			YES	
Babson Capital Securities, LLC	Boston, MA			YES	
MMLISI Financial Alliances, LLC	Springfield, MA			YES	
Baring Asset Management, LLC	Boston, MA			YES	

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
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 of Conduct was revised in January 2012. The revisions in the Code are not material in nature. The revisions clarify or heighten awareness of certain information already incorporated in the Code.
- 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:
 Reverse Repurchase Agreements
- | | |
|---|------------------------|
| 12. Amount of real estate and mortgages held in other invested assets in Schedule BA: | \$ 1,913,543,674 |
| 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
Prior Year-End
Book/Adjusted
Carrying Value | 2
Current Quarter
Book/Adjusted
Carrying Value |
|---|--|---|
| 14.21 Bonds | \$ 4,994,628,448 | \$ 4,920,989,322 |
| 14.22 Preferred Stock | \$ | \$ |
| 14.23 Common Stock | \$ 4,505,125,039 | \$ 5,725,200,619 |
| 14.24 Short-Term Investments | \$ | \$ |
| 14.25 Mortgage Loans on Real Estate | \$ | \$ |
| 14.26 All Other | \$ 3,474,304,986 | \$ 3,930,069,641 |
| 14.27 Total Investment in Parent, Subsidiaries and Affiliates (Subtotal Lines 14.21 to 14.26) | \$ 12,974,058,473 | \$ 14,576,259,582 |
| 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 SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
GENERAL INTERROGATORIES

16. 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 []
- 16.1 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
JP Chase Manhattan Bank	1 Chase Manhattan Plaza, 19th Floor, New York, NY 10005-140
State Street Global Services	801 Pennsylvania, Kansas City, MO 64105
Citibank, N.A.	333 West 34th Street, New York, NY 10001

- 16.2 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)

- 16.3 Have there been any changes, including name changes, in the custodian(s) identified in 16.1 during the current quarter? Yes [] No [X]
- 16.4 If yes, give full information relating thereto:

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

- 16.5 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
# 106006	Babson Capital Management, LLC	1500 Main Street, Springfield, MA 01115
# 110363	OFI Institutional Asset Management, Inc.	Two World Financial Center, 225 Liberty Street, New York, NY 10281-1008
# 104517	Franklin Advisers, Inc	One Franklin Parkway, San Mateo, CA 94403-1906

- 17.1 Have all the filing requirements of the Purposes and Procedures Manual of the NAIC Securities Valuation Office been followed? Yes [] No [X]
- 17.2 If no, list exceptions:

At 9/30/2012, 91 issues for 62 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 \$230,663,334 or .42% of all assets.

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
GENERAL INTERROGATORIES

PART 2 - LIFE & HEALTH

1.	Report the statement value of mortgage loans at the end of this reporting period for the following categories:	1 Amount
1.1	Long-Term Mortgages In Good Standing	
1.11	Farm Mortgages	\$
1.12	Residential Mortgages	\$ 2,101,806,723
1.13	Commercial Mortgages	\$ 11,780,160,655
1.14	Total Mortgages in Good Standing	\$ 13,881,967,378
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)	\$ 13,881,967,378
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	68.700 %
2.2	A&H cost containment percent	1.800 %
2.3	A&H expense percent excluding cost containment expenses	66.900 %
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 SEPTEMBER 30, 2012 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 Federal ID Number	3 Effective Date	4 Name of Reinsurer	5 Domiciliary Jurisdiction	6 Type of Reinsurance Ceded	7 Is Insurer Authorized? (Yes or No)
80659	.38-0397420	.07/01/2012	Canada Life Assurance Co. (CRPE)	MI.	YRT/I..	YES..
97071	.13-3126819	.01/01/2012	Generali USA Life Reassurance (GIB7)	MO.	YRT/I..	YES..
97071	.13-3126819	.01/01/2012	Generali USA Life Reassurance (GID6)	MO.	YRT/I..	YES..
97071	.13-3126819	.01/01/2012	Generali USA Life Reassurance (GIN7)	MO.	YRT/I..	YES..
88340	.59-2859797	.01/01/2012	Hannover Life Reassurance (HAB7)	FL.	YRT/I..	YES..
88340	.59-2859797	.01/01/2012	Hannover Life Reassurance (HAD6)	FL.	YRT/I..	YES..
88340	.59-2859797	.01/01/2012	Hannover Life Reassurance (HAN7)	FL.	YRT/I..	YES..
88340	.59-2859797	.07/01/2012	Hannover Life Reassurance (HAPG)	FL.	YRT/I..	YES..
88340	.59-2859797	.05/07/2012	Hannover Life Reassurance (SD96)	FL.	CO/I..	YES..
88340	.59-2859797	.05/07/2012	Hannover Life Reassurance (SD96)	FL.	YRT/I..	YES..
66346	.58-0828824	.01/01/2012	Munich American Reassurance (MUN7)	GA.	YRT/I..	YES..
66346	.58-0828824	.07/01/2012	Munich American Reassurance (MUPC)	GA.	YRT/I..	YES..
88099	.75-1608507	.01/01/2012	Optimum Re Insurance Company (OPB7)	TX.	YRT/I..	YES..
88099	.75-1608507	.01/01/2012	Optimum Re Insurance Company (OPD6)	TX.	YRT/I..	YES..
88099	.75-1608507	.07/01/2012	Optimum Re Insurance Company (OPP1)	TX.	YRT/I..	YES..
93572	.43-1235868	.01/01/2012	RGA Reinsurance Co. (RG87)	MO.	YRT/I..	YES..
93572	.43-1235868	.01/01/2012	RGA Reinsurance Co. (RGD6)	MO.	YRT/I..	YES..
93572	.43-1235868	.07/01/2012	RGA Reinsurance Co. (RGPD)	MO.	YRT/I..	YES..
64688	.75-6020048	.01/01/2012	SCOR Global Life Americas Reins Co (SCB7)	DE.	YRT/I..	YES..
64688	.75-6020048	.01/01/2012	SCOR Global Life Americas Reins Co (SCD6)	DE.	YRT/I..	YES..
64688	.75-6020048	.01/01/2012	SCOR Global Life Americas Reins Co (SCN7)	DE.	YRT/I..	YES..
82627	.06-0839705	.06/12/2012	Swiss Re Life & Health America (SRB2)	CT.	YRT/I..	YES..
82627	.06-0839705	.01/01/2012	Swiss Re Life & Health America (SRB7)	CT.	YRT/I..	YES..
82627	.06-0839705	.06/12/2012	Swiss Re Life & Health America (SRD1)	CT.	YRT/I..	YES..
82627	.06-0839705	.05/28/2012	Swiss Re Life & Health America (SRE3)	CT.	YRT/G..	YES..
82627	.06-0839705	.07/01/2012	Swiss Re Life & Health America (SRPB)	CT.	YRT/I..	YES..

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
SCHEDULE T - PREMIUMS AND ANNUITY CONSIDERATIONS

Current Year To Date - Allocated by States and Territories

States, Etc.	Active Status	1	Direct Business Only					
			Life Contracts		4 Accident and Health Insurance Premiums, Including Policy, Membership and Other Fees	5 Other Considerations	6 Total Columns 2 Through 5	7 Deposit-Type Contracts
			2 Life Insurance Premiums	3 Annuity Considerations				
1. Alabama	L	AL	19,341,967	8,577,207	4,013,765	5,642,729	37,575,668	
2. Alaska	L	AK	8,716,451	3,012,806	201,091	1,389,620	13,319,968	4,790
3. Arizona	L	AZ	26,124,834	13,683,188	6,237,012	8,035,840	54,080,874	
4. Arkansas	L	AR	23,588,884	4,701,387	1,141,925	135,649	29,567,845	9
5. California	L	CA	264,408,580	139,861,693	40,623,905	282,548,492	727,442,670	.99
6. Colorado	L	CO	33,856,945	16,146,574	6,271,029	54,795,957	111,070,505	(159,531)
7. Connecticut	L	CT	89,388,054	36,003,862	14,464,158	79,909,523	219,765,597	2,408
8. Delaware	L	DE	25,227,500	4,666,306	1,126,352	4,712,232	35,732,390	.497,825,000
9. District of Columbia	L	DC	16,218,758	2,833,542	3,129,997	24,823,001	47,005,298	
10. Florida	L	FL	169,914,005	78,815,851	18,603,337	548,377,490	815,710,683	84,582
11. Georgia	L	GA	109,361,452	64,887,924	15,158,194	307,117,750	496,525,320	
12. Hawaii	L	HI	10,294,605	6,385,420	2,018,445	17,542,985	36,241,455	
13. Idaho	L	ID	9,579,660	7,104,721	828,691	6,751,694	24,264,766	
14. Illinois	L	IL	117,541,273	60,792,635	17,353,753	347,844,115	543,531,776	136,911
15. Indiana	L	IN	37,446,629	34,452,767	5,745,302	46,703,647	124,348,345	516,087
16. Iowa	L	IA	22,478,123	6,834,111	2,874,264	888,007,552	920,194,050	
17. Kansas	L	KS	44,352,035	8,289,935	4,274,063	17,581,721	74,497,754	
18. Kentucky	L	KY	15,546,623	9,830,581	3,578,966	268,262,044	297,218,214	
19. Louisiana	L	LA	14,070,982	8,607,622	3,572,885	19,825,672	.46,077,161	
20. Maine	L	ME	19,762,741	5,052,117	1,509,623	161,620,454	187,944,935	
21. Maryland	L	MD	67,136,152	25,753,241	21,405,199	285,705,903	400,000,495	1,199
22. Massachusetts	L	MA	102,918,295	150,842,702	19,306,024	1,370,130,954	1,643,197,975	
23. Michigan	L	MI	72,082,608	61,453,478	9,670,491	74,078,464	217,285,041	3,692
24. Minnesota	L	MN	33,356,994	29,099,049	6,027,579	152,551,288	221,034,910	
25. Mississippi	L	MS	15,037,152	12,684,313	7,584,944	5,532,556	40,838,965	
26. Missouri	L	MO	40,631,559	25,606,513	7,273,751	77,638,842	151,150,665	9
27. Montana	L	MT	12,883,367	5,259,328	829,072	17,060,158	36,031,925	
28. Nebraska	L	NE	18,112,207	10,339,247	4,414,720	111,072,103	143,938,277	
29. Nevada	L	NV	13,327,460	4,484,987	2,328,053	1,889,833	22,030,333	
30. New Hampshire	L	NH	33,022,665	18,845,027	2,859,406	22,105,984	76,833,082	
31. New Jersey	L	NJ	150,802,566	72,633,799	25,033,521	219,606,936	468,076,822	159
32. New Mexico	L	NM	14,403,364	4,440,631	1,348,157	916,286	21,108,438	
33. New York	L	NY	467,364,512	398,570,166	55,278,414	431,358,653	1,352,571,745	185,927
34. North Carolina	L	NC	102,647,066	55,781,785	18,514,324	1,085,650,333	1,262,593,508	
35. North Dakota	L	ND	3,839,650	2,335,791	140,988	54,988	6,371,417	
36. Ohio	L	OH	84,620,967	86,916,964	10,556,097	108,006,477	290,100,505	271
37. Oklahoma	L	OK	59,301,016	12,932,812	5,624,921	27,472,873	105,331,622	
38. Oregon	L	OR	14,469,938	10,185,378	3,344,955	96,885,765	124,886,036	
39. Pennsylvania	L	PA	141,493,469	89,619,725	27,252,650	131,652,935	390,018,779	4,231
40. Rhode Island	L	RI	12,793,148	16,380,689	2,071,751	83,775,663	115,021,251	
41. South Carolina	L	SC	44,067,105	13,112,084	11,052,565	6,908,437	75,140,191	
42. South Dakota	L	SD	15,089,017	453,106	482,157	2,533,169	18,557,449	
43. Tennessee	L	TN	58,783,356	35,100,718	10,850,063	242,352,736	347,086,873	10,980
44. Texas	L	TX	215,774,804	105,368,565	32,109,562	215,942,166	569,195,097	1,085
45. Utah	L	UT	23,606,992	11,980,435	2,561,267	10,323,333	48,472,027	
46. Vermont	L	VT	14,684,251	6,076,170	832,722	3,179,868	24,773,011	
47. Virginia	L	VA	113,772,434	73,069,425	23,357,408	406,617,398	616,816,665	84,801
48. Washington	L	WA	28,756,356	29,011,247	6,456,683	11,332,471	75,556,757	
49. West Virginia	L	WV	9,118,478	6,809,764	1,212,741	8,589,659	25,730,642	118
50. Wisconsin	L	WI	39,467,470	37,146,205	3,957,275	60,484,240	141,055,190	1
51. Wyoming	L	WY	8,027,819	1,112,110	429,171	2,023,052	11,592,152	
52. American Samoa	N	AS						
53. Guam	N	GU		312		4,261		4,573
54. Puerto Rico	L	PR	24,580,272	7,236,138	4,902,915	1,283,350	38,002,675	
55. U.S. Virgin Islands	N	VI		8,133		5,533		13,666
56. Northern Mariana Islands	N	MP						
57. Canada	N	CN		1,937,549		72,447		2,009,996
58. Aggregate Other Aliens	XXX	OT	12,253,377		10,537	562,951		12,826,865
59. Subtotal	(a)	52	3,147,391,981	1,941,192,378	482,441,495	8,366,345,040	13,937,370,894	498,702,828
90. Reporting entity contributions for employee benefits plans	XXX							
91. Dividends or refunds applied to purchase paid-up additions and annuities	XXX		719,166,811	2,298,175			721,464,986	
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		17,942,546		9,397,803		27,340,349	
94. Aggregate or other amounts not allocable by State	XXX							
95. Totals (Direct Business)	XXX		3,884,501,338	1,943,490,553	491,839,298	8,366,345,040	14,686,176,229	498,702,828
96. Plus Reinsurance Assumed	XXX		72,761,469				72,761,469	
97. Totals (All Business)	XXX		3,957,262,807	1,943,490,553	491,839,298	8,366,345,040	14,758,937,698	498,702,828
98. Less Reinsurance Ceded	XXX		421,783,238		110,494,476		532,277,714	
99. Totals (All Business) less Reinsurance Ceded	XXX		3,535,479,569	1,943,490,553	381,344,822	8,366,345,040	14,226,659,984	498,702,828
DETAILS OF WRITE-INS								
5801. Other foreign	XXX		12,253,377		10,537	562,951		12,826,865
5802.	XXX							
5803.	XXX							
5898. Summary of remaining write-ins for Line 58 from overflow page	XXX							
5899. Totals (Lines 5801 through 5803 plus 5898)(Line 58 above)	XXX		12,253,377		10,537	562,951		12,826,865
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

MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY**Direct & Indirect Owned Subsidiaries:**

	<u>Federal Tax ID</u>	<u>NAIC Co Code</u>	<u>State of Domicile</u>
C.M. Life Insurance Company	04-1590850	65935	Massachusetts
MML Bay State Life Insurance Company	06-1041383	93432	Connecticut
CML Mezzanine Investor, LLC	43-0581430	70416	Connecticut
CML Mezzanine Investor L, LLC	06-1041383		Delaware
CML Mezzanine Investor III, LLC	06-1041383		Delaware
CML Re Finance LLC	06-1041383		Delaware
MML Mezzanine Investor L, LLC	04-1590850		Delaware
CV Apts, LLC	04-1590850		Delaware
PL-Apts, LLC*	26-3911113		Delaware
CB-Apts, LLC	04-1590850		Delaware
WP-SC, LLC*	26-4441097		Delaware
MSP-SC, LLC	04-1590850		Delaware
Country Club Office Plaza LLC*	27-1435692		Delaware
MML Distributors LLC*	04-3356880		Massachusetts
MML Mezzanine Investor, LLC	04-1590850		Delaware
The MassMutual Trust Company , FSB	06-1563535		United States
MMC Equipment Finance LLC	04-1590850		Delaware
MassMutual Asset Finance LLC	26-0073611		Delaware
Winmark Limited Funding, LLC	20-1217159		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	None		Delaware
MSC Holding Company, LLC	45-4376777		Delaware
MassMutual Holding MSC, Inc.	04-3341767		Massachusetts
1279342 Ontario Limited	None		Canada
MassMutual Holding LLC	04-2854319		Delaware
MassMutual Assignment Company	06-1597528		North Carolina
MassMutual Capital Partners LLC	None		Delaware
MML Investors Services, LLC	04-2746212		Massachusetts
MML Insurance Agency, LLC	04-3109325		Massachusetts
MMLISI Financial Alliances, LLC	41-2011634		Delaware
MML Plan Solutions, LLC	None		Delaware
MassMutual International LLC	04-3313782		Delaware
MassMutual Asia Limited	None		Hong Kong
MassMutual Asia Investors Ltd.	None		Hong Kong
MassMutual Guardian Limited	None		Hong Kong
MassMutual Insurance Consultants Limited	None		Hong Kong
MassMutual Services Limited	None		Hong Kong

*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 Trustees Limited	None		Hong Kong
Protective Capital (International) Limited	None		Hong Kong
MassMutual Europe, S.A.	None		Luxembourg
MassMutual Life Insurance Company	None		Japan
Kamakura (GP) Ltd.	None		Cayman Islands
MassMutual Internacional (Chile) SpA	None		Chile
MassMutual (Chile) Limitada	None		Chile
Compañía de Seguros CorpVida S.A.	None		Chile
MM Asset Management Holding LLC	45-4000072		Delaware
Babson Capital Management LLC	51-0504477		Delaware
Babson Capital Securities LLC	04-3238351		Delaware
Babson Capital Guernsey Limited	98-0437588		Guernsey
Babson Capital Europe 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	None		United Kingdom
Babson Capital Japan KK	None		Japan
Cornerstone Real Estate Advisers LLC	55-0878489		Delaware
Cornerstone Real Estate Advisers Europe Securities B.V.	98-0590849		Netherlands
Cornerstone Real Estate Advisers Inc.	04-3238351		California
Cornerstone Real Estate UK Holdings Limited	None		Delaware
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
Cornerstone Managing Director Europe LLC	None		Delaware
Babson Capital Asia Limited	None		Hong Kong
Babson Capital Australia Holding Company Pty Ltd.	None		Australia
Babson Capital Australia Pty Ltd.	None		Australia
Babson Capital Cornerstone Asia Limited	None		Hong Kong
Wood Creek Capital Management LLC	04-1590850		Delaware
Wood Creek Index Company, LLC	26-3115362		Delaware
Whitney Street Finance, LLC	26-1183315		Delaware
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 Capital Loan Partners I GP, LLC	51-0504477		Delaware
Benton Street Advisors, Inc.	98-0536233		Cayman Islands
Blue-Chip Multi-Strategy Management LLC	04-1590850		Delaware
Credit Strategies Management LLC	04-1590850		Delaware

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>
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 Australia LLC	90-0666326		Delaware
Babson Capital Cornerstone Managing Director Asia LLC	51-0504477		Delaware
Somerset Special Opportunities Management LLC	04-1590850		Delaware
Winterset 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 Institutional Asset Management, Inc.	13-4160541		New York
OFI Trust Company	13-3459790		New York
HarbourView Asset Management Corporation	22-2697140		New York
Trinity Investment Management Corporation	25-1951632		Pennsylvania
Shareholder Financial Services, Inc.	84-1128397		Colorado
Shareholder Services, Inc.	84-1066811		Colorado
OFI Global Asset Management, Inc.	84-0765063		Delaware
OFI Private Investments, Inc.	91-2036414		New York
OppenheimerFunds International, Ltd.	None		Ireland
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	None		Delaware
Tremont (Bermuda) Limited	None		Bermuda
MassMutual Baring Holding LLC	None		Delaware
Baring Asset Management 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
Baring International Fund Managers (Bermuda) Limited	98-0457465		Bermuda
Baring Asset Management (Asia) Limited	98-0457463		Hong Kong
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

*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 Asset Management (CI) Limited	98-0524275		Guernsey
Baring SICE (Taiwan) Limited	98-0457707		Taiwn ROC
Baring France SAS	98-0497550		France
Baring Korea Limited	None		South Korea
Baring Fund Managers Limited	98-0457586		United Kingdom
Baring Pension Trustees Limited	98-0457574		United Kingdom
Baring Investment Services Limited	98-0457578		United Kingdom
MassMutual International Holding MSC, Inc.	04-3548444		Massachusetts
First Mercantile Trust Company	62-0951563		Tennessee
HYP Management LLC	04-3324233		Delaware
MML Realty Management Corporation	04-2443240		Massachusetts
WW-Apts, LLC	27-0607263		Delaware
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
MP-Apts, LLC	04-1590850		Delaware
Other Affiliates:			
580 Walnut Cincinnati LLC	27-4349154		Delaware
C A F I, Inc.	52-2274685		Maryland
Invicta Advisors LLC	56-2574604		Delaware
Jefferies Finance LLC*	27-0105644		Delaware
MML Private Equity Fund Investor LLC	04-1590850		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 Core Fixed Income Fund L.P.*	27-3524082		Delaware
Babson Capital Floating Rate Income Fund, L.P.*	27-3330830		Delaware
Babson Capital Loan Strategies Fund, L.P.*	37-1506417		Delaware
Babson Capital Total Return Fund L.P.*	27-3524290		Delaware
Babson CLO Ltd. 2004-I	None		Cayman Islands
Babson CLO Ltd. 2004-II	None		Cayman Islands
Babson CLO Ltd. 2005-I	None		Cayman Islands
Babson CLO Ltd. 2005-II	None		Cayman Islands
Babson CLO Ltd. 2005-III*	None		Cayman Islands
Babson CLO Ltd. 2006-I	None		Cayman Islands
Babson CLO Ltd. 2006-II	None		Cayman Islands
Babson CLO Ltd. 2007-I	None		Cayman Islands
Babson CLO Ltd. 2008-II	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 CLO Ltd. 2011-I	None		Cayman Islands
Babson CLO Ltd. 2012-I	None		Cayman Islands
Babson CLO Ltd. 2012-II	None		Cayman Islands
Babson Credit Strategies Fund, L.P.*	83-0476803		Delaware
Babson Loan Opportunity CLO, Ltd.	None		Cayman Islands
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
Blue Chip Multi-Strategy Fund L.P.*	74-3182902		Delaware
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
Connecticut Valley CLO Fund IV, 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
Great Lakes II LLC*	71-1018134		Delaware
Great Lakes LLC*	56-2505390		Delaware
Hampden CBO Ltd	None		Cayman Islands
Invicta Holdings LLC	56-2574568		Massachusetts
Loan Strategies Funding LLC	None		Cayman Islands
Malin CLO B.V.	None		United Kingdom
Newton CDO Ltd	None		Cayman Islands
Osprey CDO 2006-1	None		Cayman Islands
Rockall CLO B.V.	None		United Kingdom
Saint James River CDO, Ltd.	None		Cayman Islands
Salomon Trust 2001-MM	None		Delaware
Sapphire Valley CDO I, Ltd.	None		Cayman Islands
Somerset Special Opportunities Fund L.P.*	20-8856877		Delaware
Suffield CLO, Limited	None		Cayman Islands
Summit Lake CLO, Ltd.	None		Cayman Islands
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

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>
Tower Square Capital Partners III, L.P.*	41-2280127		Delaware
Tower Square Capital Partners IIIA, L.P.*	41-2280129		Delaware
Victoria Falls CLO, Ltd.	None		Cayman Islands
Vinacasa CLO, Ltd.	None		Cayman Islands
Whately CDO, Ltd.	None		Cayman Islands
Winterset Capital Partners, L.P.*	None		Cayman Islands
Wood Creek Multi Asset Fund, L.P.*	20-4981369		Delaware
Wood Creek Venture Fund LLC	04-1590850		Massachusetts
Baring Affiliates & Funds:			
Baring All Country World ex US Equity Fund	45-4184261		Delaware
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
Multi-Employer Global Aggregate Diversified Portfolio	26-1896226		Delaware
Cornerstone Affiliates & Funds:			
11 Fan Pier Boulevard Member LLC	90-0728785		Connecticut
12-18 West 55th Street Predevelopment, LLC*	20-2548283		Connecticut
21 West 86 LLC*	45-5257904		Connecticut
50 Northern Avenue Member LLC	80-0729557		Connecticut
555 YVR LLC	20-5481477		Connecticut
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	None		Connecticut
Cornerstone Apartment Fund I, LLC	06-1595820		Connecticut
Cornerstone Apartment Venture III, LLC	20-5786329		Delaware
Cornerstone Austin Industrial LP	20-5775782		Texas
Cornerstone Austin Park Central I LP	56-2639862		Texas
Cornerstone Core Mortgage Fund I LP	27-1701733		Delaware
Cornerstone Core Mortgage Venture I LP	27-1701622		Delaware
Cornerstone Eldridge Park I LP	26-1244346		Texas
Cornerstone Eldridge Park II LP	26-1244346		Texas
Cornerstone Enhanced Mortgage Fund I LP	45-3751572		Delaware
Cornerstone Fort Pierce Development LLC*	56-2630592		Connecticut
Cornerstone Global REIT Corporation*	20-8730751		Delaware
Cornerstone Holding LP	20-5578165		Connecticut
Cornerstone Hotel Income and Equity Fund II (PF) LP	26-1528817		Delaware
Cornerstone Patriot Non-REIT Holding LLC	20-5567494		Connecticut
Cornerstone Real Estate Fund VIII (PF) LP	27-5209432		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>
Cornerstone Real Estate Fund VIII LP	27-0547156		Delaware
CREA Juanita Village LLC*	20-4224383		Connecticut
CREA/Legacy Federal Way LLC	26-1816861		Connecticut
CREA/LYON West Gateway, LLC*	26-2399532		Connecticut
CREA/Nexus Anaheim Corners Holdings LLC	27-2934589		Connecticut
CREA/PPC Venture LLC*	20-0348173		Connecticut
CREA/Windstar Dublin-Pleasanton LLC*	20-4087568		Connecticut
CREA/XISC Torrance Industrial LLC*	90-0789078		Connecticut
Fallon Cornerstone One MPD LLC*	26-1611591		Connecticut
Fan Pier Development LLC	20-3347091		Connecticut
Flower Mound Warehouse*	20-4834392		Texas
Gallery Place Equity LLC	11-3677334		Connecticut
Great Oak Apartments LLC*	54-2029484		Connecticut
Hanover Preferred Facility LLC*	20-8298948		Delaware
Johnston Groves LLC	20-4819358		Connecticut
Kierland AZ LLC*	27-4592707		Connecticut
MassMutual Boston Capital Mezzanine Partners II LP*	20-4570515		Connecticut
Metropolitan At Lorton*	20-5984759		Connecticut
PO Parsippany Office Portfolio LLC*	46-0808569		Connecticut
Riva Portland LLC	30-0713071		Connecticut
Sawgrass Village Shopping Center LLC*	27-2977720		Connecticut
Stonebriar Frisco MM LLC	45-2628608		Connecticut
Turnpike Executive Park LLC	46-0606690		Connecticut
UK LIW Manager LLC	45-4606547		Connecticut
UK LIW Member LLC	45-4606547		Connecticut
US Pharmaceutical Holding LLC	None		Illinois
Washington Gateway Apartments Venture LLC*	45-5401109		Connecticut
Waterford Development Associates	20-2970495		Pennsylvania
Wesley Chapel Theaters LLC*	26-2384708		Connecticut
MassMutual Premier Funds:			
MassMutual Barings Dynamic Allocation Fund	45-3168892		Massachusetts
MassMutual Premier Balanced Fund	04-3212054		Massachusetts
MassMutual Premier Capital Appreciation Fund	51-0529336		Massachusetts
MassMutual Premier Core Bond Fund	04-3277549		Massachusetts
MassMutual Premier Disciplined Value Fund	04-3539084		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 International Bond Fund	26-1345534		Massachusetts
MassMutual Premier Small/Mid Cap Opportunities Fund	04-3224705		Massachusetts
MassMutual Premier Strategic Emerging Markets Fund	26-3229251		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 Premier Value Fund	04-3277550		Massachusetts
MassMutual Select Funds:			
MassMutual Select Diversified Value Fund	01-0821120		Massachusetts
MassMutual Select Focused Value Fund	04-3512590		Massachusetts
MassMutual Select Fundamental Value Fund	04-3584138		Massachusetts
MassMutual Select Growth Opportunities Fund	04-3512589		Massachusetts
MassMutual Select Indexed Equity Fund	04-3410047		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 Overseas Fund	04-3557000		Massachusetts
MassMutual Select Small Cap Growth Equity Fund	04-3464205		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 Russell 2000 Small Cap Index Fund	45-5366542		Massachusetts
MassMutual Select MSCI EAFE International Index Fund	45-5357167		Massachusetts
MML Series Investment Funds:			
MML China Fund	26-2997893		Massachusetts
MML Focused Equity Fund Class I	45-3612851		Massachusetts
MML Fundamental Growth Fund Class I	45-3612938		Massachusetts
MML Fundamental Value Fund Class I	27-2959469		Massachusetts
MML PIMCO Total Return Fund Class I	27-2959552		Massachusetts
MassMutual RetireSMART Funds:			
MassMutual RetireSMART 2015 Fund	27-1933828		Massachusetts
MassMutual RetireSMART 2025 Fund	27-1933753		Massachusetts
MassMutual RetireSMART 2035 Fund	27-1933389		Massachusetts
MassMutual RetireSMART 2045 Fund	27-1932769		Massachusetts
MassMutual RetireSMART In Retirement Fund	03-0532464		Massachusetts
MassMutual RetireSMART Growth Fund	45-1618222		Massachusetts
Oppenheimer Funds:			
HarbourView CLO 2006-1 Limited	None		Cayman Islands
OFI Institutional Commodities Strategy Fund II, LLC	26-1143312		Delaware
Oppenheimer Global Multi Strategies Fund	61-1504919		Massachusetts
Oppenheimer Capital Appreciation Fund	13-3054122		Massachusetts
Oppenheimer Main Street Fund	84-1073463		Massachusetts
Oppenheimer Real Estate Fund	22-3849391		Massachusetts
Rye Select Broad Market Prime	13-3949688		Delaware

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company

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

1 Group Code	2 Group Name	3 NAIC Company Code	4 Federal ID Number	5 Federal RSSD	6 CIK	7 Name of Securities Exchange if Publicly Traded (U.S. or International)	8 Names of Parent, Subsidiaries Or Affiliates	9 Domestic Location	10 Relationship to Reporting Entity	11 Directly Controlled by (Name of Entity/Person)	12 Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	13 If Control is Owner-ship Provide Percentage	14 Ultimate Controlling Entity(ies)/Person(s)	15 *
..0435	Massachusetts Mut Life Ins Co	65935	04-1590850	3848388	0000225602		Massachusetts Mutual Life Insurance Company (MMLIC)	MA		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			04-1590850				MML Mezzanine Investor L, LLC	DE	DS	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000	MMLIC	
..0000			04-1590850				CV Apts, LLC	DE	DS	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000	MMLIC	
..0000			26-3911113				PL-Apts, LLC	DE	DS	Massachusetts Mutual Life Insurance Company	Ownership.....	92.200	MMLIC	
..0000			26-3911113				PL-Apts, LLC	DE	DS	C.M. Life Insurance Company	Ownership.....	7.800	MMLIC	
..0000			04-1590850				CB-Apts, 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			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			04-1590850				MML Mezzanine Investor, 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.....	.400	MMLIC	
..0000			20-1217159				Winmark Limited Funding, LLC	DE	DS	MassMutual Asset Finance LLC	Ownership.....	100.000	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							MML Private Placement Investment Company I, 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	
..0000			04-3341767				MassMutual Holding MSC, Inc.	MA	DS	MSC Holding Company, LLC	Ownership.....	100.000	MMLIC	
..0000							1279342 Ontario Limited	ON	DS	MassMutual Holding MSC, Inc.	Ownership.....	100.000	MMLIC	
..0000			04-2854319	2392316			MassMutual Holding LLC	DE	DS	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000	MMLIC	
..0000			06-1597528		0001399669		MassMutual Assignment Company	NC	DS	MassMutual Holding LLC	Ownership.....	100.000	MMLIC	
..0000							MassMutual Capital Partners LLC	DE	DS	MassMutual Holding LLC	Ownership.....	100.000	MMLIC	

13

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company

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

1 Group Code	2 Group Name	3 NAIC Company Code	4 Federal ID Number	5 Federal RSSD	6 CIK	7 Name of Securities Exchange if Publicly Traded (U.S. or International)	8 Names of Parent, Subsidiaries Or Affiliates	9 Domestic Location	10 Relationship to Reporting Entity	11 Directly Controlled by (Name of Entity/Person)	12 Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	13 If Control is Owner-ship Provide Percentage	14 Ultimate Controlling Entity(ies)/Person(s)	15 *
..0000			04-2746212		0000701059		MML Investors Services, LLC	MA	DS	MassMutual Holding LLC	Ownership.....	100.000	MMLIC	
..0000			04-3109325				MML Insurance Agency, LLC	MA	DS	MassMutual Holding LLC	Ownership.....	100.000	MMLIC	
..0000			41-2011634		0001456663		MML ISI Financial Alliances, LLC	DE	DS	MassMutual Holding LLC	Ownership.....	51.000	MMLIC	
..0000			04-3313782				MML Plan Solutions, LLC	DE	DS	MassMutual Holding LLC	Ownership.....	100.000	MMLIC	
..0000							MassMutual International LLC	DE	DS	MassMutual Holding LLC	Ownership.....	100.000	MMLIC	
..0000							MassMutual Asia Limited	HK	DS	MassMutual International LLC	Ownership.....	100.000	MMLIC	
..0000							MassMutual Asia Investors Ltd.	HK	DS	MassMutual Asia Limited	Ownership.....	100.000	MMLIC	
..0000							MassMutual Guardian Limited	HK	DS	MassMutual Asia Limited	Ownership.....	100.000	MMLIC	
..0000							MassMutual Insurance Consultants Limited	HK	DS	MassMutual International LLC	Ownership.....	100.000	MMLIC	
..0000							MassMutual Services Limited	HK	DS	MassMutual Asia Limited	Ownership.....	100.000	MMLIC	
..0000							MassMutual Trustees Limited	HK	DS	MassMutual Asia Limited	Ownership.....	.80.000	MMLIC	
..0000							Protective Capital (International) Limited	HK	DS	MassMutual Asia Limited	Ownership.....	100.000	MMLIC	
..0000							MassMutual Europe, S.A.	LU	DS	MassMutual International LLC	Ownership.....	100.000	MMLIC	
..0000							MassMutual Life Insurance Company	JP	DS	MassMutual International LLC	Ownership.....	100.000	MMLIC	
..0000							Kamakura (GP) Ltd.	Cayman Islands	DS	MassMutual International LLC	Ownership.....	100.000	MMLIC	
..0000							MassMutual Internacional (Chile) SpA	CL	DS	MassMutual International LLC	Ownership.....	100.000	MMLIC	
..0000							MassMutual (Chile) Limitada	CL	DS	MassMutual International LLC	Ownership.....	100.000	MMLIC	
..0000							Compania de Seguros CorpVida S.A.	CL	DS	MassMutual International LLC	Ownership.....	.33.500	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 Holding 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	GG	DS	Babson Capital Management LLC	Ownership.....	100.000	MMLIC	
..0000			98-0432153				Babson Capital Europe Limited	GB	DS	Babson Capital Guernsey Limited	Ownership.....	100.000	MMLIC	
..0000							Almack Mezzanine GP III Limited	GB	DS	Babson Capital Europe Limited	Ownership.....	100.000	MMLIC	
..0000							Almack Holding Partnership GP Limited	GB	DS	Babson Capital Europe Limited	Ownership.....	100.000	MMLIC	
..0000							Almack Mezzanine Fund Limited	GB	DS	Babson Capital Europe Limited	Ownership.....	100.000	MMLIC	
..0000							Almack Mezzanine Fund II Limited	GB	DS	Babson Capital Europe Limited	Ownership.....	100.000	MMLIC	
..0000							Babson Capital Global Advisors Limited	GB	DS	Babson Capital Europe Limited	Ownership.....	100.000	MMLIC	
..0000							Babson Capital Japan KK	JP	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			98-0590849				Cornerstone Real Estate Advisers	NL	DS	Cornerstone Real Estate Advisers LLC	Ownership.....	100.000	MMLIC	
..0000			04-3238351	3456895	0001011148		Europe Securities B.V.	CA	DS	Cornerstone Real Estate Advisers Inc.	Ownership.....	100.000	MMLIC	
..0000							Cornerstone Real Estate UK Holdings Limited	DE	DS	Cornerstone Real Estate UK Holdings Limited	Ownership.....	100.000	MMLIC	
..0000			98-0654401				Cornerstone Real Estate UK (No. 2) Limited	GB	DS	Cornerstone Real Estate UK Holdings Limited	Ownership.....	100.000	MMLIC	
..0000			98-0654388				Cornerstone Real Estate Advisers Europe LLP	GB	DS	Cornerstone Real Estate UK Holdings Limited	Ownership.....	100.000	MMLIC	
..0000			98-0654412				Cornerstone Real Estate Advisers Europe Finance LLP	GB	DS	Cornerstone Real Estate UK Holdings Limited	Ownership.....	100.000	MMLIC	
..0000							Cornerstone Managing Director Europe LLC	DE	DS	Cornerstone Real Estate Advisers LLC	Ownership.....	100.000	MMLIC	

13.1

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company

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

1 Group Code	2 Group Name	3 NAIC Company Code	4 Federal ID Number	5 Federal RSSD	6 CIK	7 Name of Securities Exchange if Publicly Traded (U.S. or International)	8 Names of Parent, Subsidiaries Or Affiliates	9 Domestic Location	10 Relationship to Reporting Entity	11 Directly Controlled by (Name of Entity/Person)	12 Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	13 If Control is Owner-ship Provide Percentage	14 Ultimate Controlling Entity(ies)/Person(s)	15 *
...0000							Babson Capital Asia Limited	HK	DS	Babson Capital Management LLC	Ownership	100.000	MMLIC	
...0000							Babson Capital Australia Holding Company Pty Ltd.	AU	DS	Babson Capital Management LLC	Ownership	100.000	MMLIC	
...0000							Babson Capital Australia Pty Ltd.	AU	DS	Babson Capital Australia Holding Company Pty Ltd.	Ownership	100.000	MMLIC	
...0000							Babson Capital Cornerstone Asia Limited	HK	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		26-1183315					Whitney Street Finance, LLC	DE	DS	Wood Creek Capital Management LLC	Ownership	100.000	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		51-0504477					Babson Capital Loan Partners I GP, LLC	DE	DS	Babson Capital Management LLC	Ownership	100.000	MMLIC	
...0000		98-0536233					Benton Street Advisors, Inc.	Cayman Islands	DS	Babson Capital Management LLC	Ownership	100.000	MMLIC	
...0000		04-1590850					Blue-Chip Multi-Strategy Management LLC	DE	DS	Babson Capital Management LLC	Ownership	100.000	MMLIC	
...0000		04-1590850					Credit Strategies Management 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		90-0666326					Mezzco Australia LLC	DE	DS	Babson Capital Management LLC	Ownership	100.000	MMLIC	
...0000		51-0504477					Babson Capital Cornerstone Managing Director Asia 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		04-1590850					Winterset Management LLC	DE	DS	Babson Capital Management LLC	Ownership	100.000	MMLIC	
...0000		84-1149206	2897101				Oppenheimer Acquisition Corp.	DE	DS	MassMutual Holding LLC	Ownership	.99.500	MMLIC	
...0000		13-2527171	2679183	0000820031			OppenheimerFunds, Inc.	CO	DS	Oppenheimer Acquisition Corp.	Ownership	100.000	MMLIC	
...0000		13-2953455		0000276541			OppenheimerFunds Distributor, Inc.	NY	DS	OppenheimerFunds, Inc.	Ownership	100.000	MMLIC	
...0000		84-1106295					Oppenheimer Real Asset Management Inc.	DE	DS	OppenheimerFunds, Inc.	Ownership	100.000	MMLIC	
...0000		13-4160541	3458125	0001179479			OFI Institutional Asset Management, Inc.	NY	DS	OppenheimerFunds, Inc.	Ownership	100.000	MMLIC	
...0000		13-3459790	2914875				OFI 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			Shareholder Financial Services, Inc.	CO	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							OppenheimerFunds International, Ltd.	IE	DS	OppenheimerFunds, Inc.	Ownership	100.000	MMLIC	

13.2

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company

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

1 Group Code	2 Group Name	3 NAIC Company Code	4 Federal ID Number	5 Federal RSSD	6 CIK	7 Name of Securities Exchange if Publicly Traded (U.S. or International)	8 Names of Parent, Subsidiaries Or Affiliates	9 Domestic Location	10 Relationship to Reporting Entity	11 Directly Controlled by (Name of Entity/Person)	12 Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	13 If Control is Owner-ship Provide Percentage	14 Ultimate Controlling Entity(ies)/Person(s)	15
...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	IE	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						Settlement Agent LLC	DE	DS		Tremont Group Holdings, Inc.	Ownership	100.000	MMLIC	
...0000						Tremont (Bermuda) Limited	BM	DS		Tremont Group Holdings, Inc.	Ownership	100.000	MMLIC	
...0000						MassMutual Baring Holding LLC	DE	DS		MassMutual Holding LLC	Ownership	100.000	MMLIC	
...0000		98-0241935	2363071			Baring Asset Management LLC	MA	DS		MassMutual Baring Holding LLC	Ownership	100.000	MMLIC	
...0000						MassMutual Holdings (Bermuda) Limited	BM	DS		MassMutual Baring Holding LLC	Ownership	100.000	MMLIC	
...0000						Baring Asset Management Limited	GB	DS		MassMutual Holdings (Bermuda) Limited	Ownership	100.000	MMLIC	
...0000						Baring International Investment Limited	GB	DS		Baring Asset Management Limited	Ownership	100.000	MMLIC	
...0000						Baring International Investment Management Holdings	GB	DS		Baring Asset Management Limited	Ownership	100.000	MMLIC	
...0000						Baring Asset Management UK Holdings Limited	GB	DS		Baring International Investment Management Holdings	Ownership	100.000	MMLIC	
...0000						Baring Asset Management GmbH	Germany	DS		Baring Asset Management UK Holdings Limited	Ownership	100.000	MMLIC	
...0000						Baring Asset Management (Asia) Holdings Limited	HK	DS		Baring Asset Management (Asia) Holdings Limited	Ownership	100.000	MMLIC	
...0000						Baring International Fund Managers (Bermuda) Limited	BM	DS		Baring Asset Management (Asia) Holdings Limited	Ownership	100.000	MMLIC	
...0000						Baring Asset Management (Asia) Limited	HK	DS		Baring Asset Management (Asia) Holdings Limited	Ownership	100.000	MMLIC	
...0000						Baring Asset Management (Japan) Limited	JP	DS		Baring Asset Management (Asia) Holdings Limited	Ownership	100.000	MMLIC	
...0000						Baring Asset Management (Australia) Pty Limited	AU	DS		Baring Asset Management (Asia) Holdings Limited	Ownership	100.000	MMLIC	
...0000						Baring International Fund Managers (Ireland) Limited	IE	DS		Baring Asset Management UK Holdings Limited	Ownership	100.000	MMLIC	
...0000						Baring Asset Management (CI) Limited	GG	DS		Baring Asset Management UK Holdings Limited	Ownership	100.000	MMLIC	
...0000						Baring SICE (Taiwan) Limited	TW	DS		Baring Asset Management UK Holdings Limited	Ownership	100.000	MMLIC	
...0000						Baring France SAS	FR	DS		Baring Asset Management UK Holdings Limited	Ownership	100.000	MMLIC	
...0000						Baring Korea Limited	KR	DS		Baring Asset Management UK Holdings Limited	Ownership	100.000	MMLIC	
...0000						Baring Fund Managers Limited	GB	DS		Baring Asset Management Limited	Ownership	100.000	MMLIC	
...0000						Baring Pension Trustees Limited	GB	DS		Baring Asset Management Limited	Ownership	100.000	MMLIC	
...0000						Baring Investment Services Limited	GB	DS		Baring Asset Management Limited	Ownership	100.000	MMLIC	
...0000		04-3548444				MassMutual International Holding MSC, Inc.	MA	DS		MassMutual Holding LLC	Ownership	100.000	MMLIC	
...0000		62-0951563	1160004	0001259664		First Mercantile Trust Company	TN	DS		MassMutual Holding LLC	Ownership	100.000	MMLIC	
...0000		04-3324233				HYP Management LLC	DE	DS		MassMutual Holding LLC	Ownership	100.000	MMLIC	
...0000		04-2443240				MML Realty Management Corporation	MA	DS		MassMutual Holding LLC	Ownership	100.000	MMLIC	
...0000		27-0607263				WW-Apts, LLC	DE	DS		Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	

13.3

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company

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

1 Group Code	2 Group Name	3 NAIC Company Code	4 Federal ID Number	5 Federal RSSD	6 CIK	7 Name of Securities Exchange if Publicly Traded (U.S. or International)	8 Names of Parent, Subsidiaries Or Affiliates	9 Domestic Location	10 Relationship to Reporting Entity	11 Directly Controlled by (Name of Entity/Person)	12 Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	13 If Control is Ownership Provide Percentage	14 Ultimate Controlling Entity(ies)/Person(s)	15 *
..0000			04-1590850				MML Mezzanine Investor II, LLC	DE	DS	Massachusetts Mutual Life Insurance Company	Ownership.....	.100.000	MMLIC	
..0000			04-1590850				MML Mezzanine Investor III, LLC	DE	DS	Massachusetts Mutual Life Insurance Company	Ownership.....	.100.000	MMLIC	
..0000			27-3576835				MassMutual External Benefits Group LLC	DE	DS	Massachusetts Mutual Life Insurance Company	Ownership.....	.100.000	MMLIC	
..0000			04-1590850				MML Re Finance LLC	DE	DS	Massachusetts Mutual Life Insurance Company	Ownership.....	.100.000	MMLIC	
..0000			04-1590850				MP-Apts, LLC	DE	DS	Massachusetts Mutual Life Insurance Company	Ownership.....	.100.000	MMLIC	
..0000			27-4349154				580 Walnut Cincinnati LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	.50.000	MMLIC	
..0000			52-2274685				C A F I, Inc.	MD	DS	Massachusetts Mutual Life Insurance Company	Ownership.....	.20.900	MMLIC	
..0000			56-2574604				Invicta Advisors LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	.89.000	MMLIC	
..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			04-1590850		0000067160		MML Private Equity Fund Investor LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	.100.000	MMLIC	
..0000							Almack Mezzanine Fund I LP	GB	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	.39.500	MMLIC	
..0000							Almack Mezzanine Fund I LP	GB	NIA	C.M. Life Insurance Company	Ownership.....	.4.400	MMLIC	
..0000							Almack Mezzanine Fund I LP	GB	NIA	Babson Capital Europe Limited	Management.....		MMLIC	
..0000							Almack Mezzanine Fund II Unleveraged LP	GB	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	.72.900	MMLIC	
..0000							Almack Mezzanine Fund II Unleveraged LP	GB	NIA	Babson Capital Europe Limited	Management.....		MMLIC	
..0000							Almack Mezzanine Fund III LP	GB	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	.34.200	MMLIC	
..0000							Almack Mezzanine Fund III LP	GB	NIA	C.M. Life Insurance Company	Ownership.....	.3.800	MMLIC	
..0000							Almack Mezzanine Fund III LP	GB	NIA	Babson Capital Europe Limited	Management.....		MMLIC	
..0000			55-0886109		0001321302		Babson Capital High Yield LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	.47.800	MMLIC	
..0000			55-0886109		0001321302		Babson Capital High Yield LLC	DE	NIA	C.M. Life Insurance Company	Ownership.....	.12.000	MMLIC	
..0000			55-0886109		0001321302		Babson Capital High Yield LLC	DE	NIA	Babson Capital Management LLC	Management.....		MMLIC	
..0000			27-3524082		0001503878		Babson Capital Core Fixed Income Fund L.P.	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	.100.000	MMLIC	
..0000			27-3524082		0001503878		Babson Capital Core Fixed Income Fund L.P.	DE	NIA	Babson Capital Management LLC	Management.....		MMLIC	
..0000			27-3330830		0001521404		Babson Capital Floating Rate Income Fund, L.P.	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	.23.900	MMLIC	
..0000			27-3330830		0001521404		Babson Capital Floating Rate Income Fund, L.P.	DE	NIA	Babson Capital Management LLC	Management.....		MMLIC	
..0000			37-1506417				Babson Capital Loan Strategies Fund, L.P.	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	.77.900	MMLIC	2
..0000			37-1506417				Babson Capital Loan Strategies Fund, L.P.	DE	NIA	C.M. Life Insurance Company	Ownership.....	.3.900	MMLIC	2
..0000			37-1506417				Babson Capital Loan Strategies Fund, L.P.	DE	NIA	Babson Capital Management LLC	Management.....		MMLIC	2

13.4

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company

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

1 Group Code	2 Group Name	3 NAIC Company Code	4 Federal ID Number	5 Federal RSSD	6 CIK	7 Name of Securities Exchange if Publicly Traded (U.S. or International)	8 Names of Parent, Subsidiaries Or Affiliates	9 Domestic Location	10 Relationship to Reporting Entity	11 Directly Controlled by (Name of Entity/Person)	12 Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	13 If Control is Ownership Provide Percentage	14 Ultimate Controlling Entity(ies)/Person(s)	15 *
..0000		27-3524290				Babson Capital Total Return Fund L.P.		DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
..0000		27-3524290				Babson Capital Total Return Fund L.P.		DE	NIA	Babson Capital Management LLC	Management		MMLIC	
..0000						Babson CLO Ltd. 2004-I		Cayman Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
..0000						Babson CLO Ltd. 2004-II		Cayman Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
..0000						Babson CLO Ltd. 2005-I		Cayman Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
..0000						Babson CLO Ltd. 2005-II		Cayman Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
..0000						Babson CLO Ltd. 2005-III		Cayman Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
..0000						Babson CLO Ltd. 2005-III		Cayman Islands	NIA	MassMutual Holding LLC	Influence		MMLIC	3
..0000						Babson CLO Ltd. 2006-I		Cayman Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
..0000						Babson CLO Ltd. 2006-II		Cayman Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
..0000						Babson CLO Ltd. 2007-I		Cayman Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
..0000						Babson CLO Ltd. 2008-II		Cayman Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
..0000						Babson CLO Ltd. 2011-I		Cayman Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
..0000						Babson CLO Ltd. 2012-I		Cayman Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
..0000						Babson CLO Ltd. 2012-II		Cayman Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
..0000		83-0476803				Babson Credit Strategies Fund, L.P.		DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	0.200	MMLIC	
..0000		83-0476803				Babson Credit Strategies Fund, L.P.		DE	NIA	C.M. Life Insurance Company	Ownership		MMLIC	
..0000		83-0476803				Babson Credit Strategies Fund, L.P.		DE	NIA	Babson Capital Management LLC	Management		MMLIC	
..0000						Babson Loan Opportunity CLO, Ltd.		Cayman Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
..0000						Babson Mid-Market CLO Ltd. 2007-II		Cayman Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
..0000		98-0536233				Benton Street Partners I, L.P.		Cayman Islands	NIA	MassMutual Capital Partners LLC	Ownership	.93.200	MMLIC	4
..0000		98-0536233				Benton Street Partners I, L.P.		Cayman Islands	NIA	Babson Capital Management LLC	Management		MMLIC	
..0000		98-0536233				Benton Street Partners I, L.P.		Cayman Islands	NIA	Massachusetts Mutual Life Insurance Company	Ownership	2.200	MMLIC	4
..0000		98-0536199				Benton Street Partners II, L.P.		Cayman Islands	NIA	Babson Capital Management LLC	Ownership	.98.800	MMLIC	5
..0000		74-3182902				Blue Chip Multi-Strategy Fund L.P.		DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.91.600	MMLIC	
..0000		74-3182902				Blue Chip Multi-Strategy Fund L.P.		DE	NIA	C.M. Life Insurance Company	Ownership	6.400	MMLIC	
..0000		74-3182902				Blue Chip Multi-Strategy Fund L.P.		DE	NIA	Babson Capital Management LLC	Management		MMLIC	

13.5

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company

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

1 Group Code	2 Group Name	3 NAIC Company Code	4 Federal ID Number	5 Federal RSSD	6 CIK	7 Name of Securities Exchange if Publicly Traded (U.S. or International)	8 Names of Parent, Subsidiaries Or Affiliates	9 Domesticiliary Location	10 Relationship to Reporting Entity	11 Directly Controlled by (Name of Entity/Person)	12 Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	13 If Control is Owner-ship Provide Percen-tage	14 Ultimate Controlling Entity(ies)/Person(s)	15 *
..0000						Clear Lake CLO, Ltd.	.....Cayman Islands	.....NIA	Babson Capital Management LLC	Influence	MMLIC			
..0000						Connecticut Valley Structured Credit CDO II, Ltd.	.....Cayman Islands	.....NIA	Babson Capital Management LLC	Influence	MMLIC			
..0000						Connecticut Valley Structured Credit CDO III, Ltd.	.....Cayman Islands	.....NIA	Babson Capital Management LLC	Influence	MMLIC			
..0000						Connecticut Valley CLO Fund IV, Ltd.	.....Cayman Islands	.....NIA	Babson Capital Management LLC	Influence	MMLIC			
..0000						Diamond Lake CLO, Ltd.	.....Cayman Islands	.....NIA	Babson Capital Management LLC	Influence	MMLIC			
..0000			4007418			Duchess I CDO S.A.	.....GB	.....NIA	Babson Capital Management LLC	Influence	MMLIC			
..0000			4007445			Duchess III CDO S.A.	.....GB	.....NIA	Babson Capital Management LLC	Influence	MMLIC			
..0000						Duchess IV CDO S.A.	.....GB	.....NIA	Babson Capital Management LLC	Influence	MMLIC			
..0000						Duchess V CDO S.A.	.....GB	.....NIA	Babson Capital Management LLC	Influence	MMLIC			
..0000			3981641			Duchess VI CLO B.V.	.....GB	.....NIA	Babson Capital Management LLC	Influence	MMLIC			
..0000				4007502		Duchess VII CLO B.V.	.....GB	.....NIA	Babson Capital Management LLC	Influence	MMLIC			
..0000						Fugu CLO B.V.	.....GB	.....NIA	Babson Capital Management LLC	Influence	MMLIC			6
..0000						Fugu Credit Plc	.....GB	.....NIA	Babson Capital Management LLC	Influence	MMLIC			6
									Massachusetts Mutual Life Insurance Company					
..0000			80-0691253		0001517196	Gateway Mezzanine Partners I, L.P.	.....DE	.....NIA	Company	Ownership	.86.300	MMLIC		
..0000			80-0691253		0001517196	Gateway Mezzanine Partners I, L.P.	.....DE	.....NIA	C.M. Life Insurance Company	Ownership	.10.700	MMLIC		
..0000			80-0691253		0001517196	Gateway Mezzanine Partners I, L.P.	.....DE	.....NIA	Babson Capital Management LLC	Management		MMLIC		
									Massachusetts Mutual Life Insurance Company					
..0000			71-1018134			Great Lakes II LLC	.....DE	.....NIA		Ownership	.11.000	MMLIC		
..0000			71-1018134			Great Lakes II LLC	.....DE	.....NIA	C.M. Life Insurance Company	Ownership	.1.000	MMLIC		
									Massachusetts Mutual Life Insurance Company					
..0000			56-2505390			Great Lakes LLC	.....DE	.....NIA		Ownership	.4.400	MMLIC		
..0000			56-2505390			Great Lakes LLC	.....DE	.....NIA	C.M. Life Insurance Company	Ownership	.0.500	MMLIC		
									Massachusetts Mutual Life Insurance Company					
..0000						Hampden CBO Ltd	.....Cayman Islands	.....NIA	Babson Capital Management LLC	Influence		MMLIC		
..0000			56-2574568			Invicta Holdings LLC	.....MA	.....NIA	Massachusetts Mutual Life Insurance Company	Ownership	.87.000	MMLIC		
														2
..0000						Loan Strategies Funding LLC	.....Cayman Islands	.....NIA	Babson Capital Management LLC	Influence		MMLIC		
..0000						Malin CLO B.V.	.....GB	.....NIA	Babson Capital Management LLC	Influence		MMLIC		
									Massachusetts Mutual Life Insurance Company					
..0000						Newton CDO Ltd	.....Cayman Islands	.....NIA	Babson Capital Management LLC	Influence		MMLIC		
..0000						Osprey CDO 2006-1	.....Cayman Islands	.....NIA	Babson Capital Management LLC	Influence		MMLIC		
..0000						Rockall CLO B.V.	.....GB	.....NIA	Babson Capital Management LLC	Influence		MMLIC		
									Massachusetts Mutual Life Insurance Company					
..0000						Saint James River CDO, Ltd.	.....Cayman Islands	.....NIA	Babson Capital Management LLC	Influence		MMLIC		
..0000						Salomon Trust 2001-MM	.....DE	.....NIA	Cornerstone Real Estate Advisers LLC	Influence		MMLIC		
									Massachusetts Mutual Life Insurance Company					
..0000			20-8856877		0001409910	Sapphire Valley CDO I, Ltd.	.....Cayman Islands	.....NIA	Babson Capital Management LLC	Influence		MMLIC		
..0000			20-8856877		0001409910	Somerset Special Opportunities Fund L.P.	.....DE	.....NIA	Massachusetts Mutual Life Insurance Company	Ownership	.35.200	MMLIC		
..0000			20-8856877		0001409910	Somerset Special Opportunities Fund L.P.	.....DE	.....NIA	C.M. Life Insurance Company	Ownership	.1.600	MMLIC		

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company

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

1 Group Code	2 Group Name	3 NAIC Company Code	4 Federal ID Number	5 Federal RSSD	6 CIK	7 Name of Securities Exchange if Publicly Traded (U.S. or International)	8 Names of Parent, Subsidiaries Or Affiliates	9 Domestic Location	10 Relationship to Reporting Entity	11 Directly Controlled by (Name of Entity/Person)	12 Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	13 If Control is Ownership Provide Percentage	14 Ultimate Controlling Entity(ies)/Person(s)	15 *
..0000			20-8856877		0001409910		Somerset Special Opportunities Fund L.P.	DE.....Cayman Islands	NIA.....NIA	Babson Capital Management LLC	Management.....Influence		MMLIC	
..0000							Suffield CLO, Limited	.....Cayman Islands	.....NIA	Babson Capital Management LLC	Influence		MMLIC	
..0000							Summit Lake CLO, Ltd.	.....Cayman Islands	.....NIA	Babson Capital Management LLC	Influence		MMLIC	
..0000			04-3722906		0001228752		Tower Square Capital Partners, L.P.	DE.....DE	NIA.....NIA	Massachusetts Mutual Life Insurance Company	Ownership	.42.000	MMLIC	
..0000			04-3722906		0001228752		Tower Square Capital Partners, L.P.	DE.....DE	NIA.....NIA	C.M. Life Insurance Company	Ownership	.0600	MMLIC	
..0000			04-3722906		0001228752		Tower Square Capital Partners, L.P.	DE.....DE	NIA.....NIA	Babson Capital Management LLC	Management		MMLIC	
..0000			04-3722906		0001228752		Tower Square Capital Partners, L.P.	DE.....DE	NIA.....NIA	MassMutual Holding LLC	Ownership	.3200	MMLIC	
..0000			30-0336246		0001345379		Tower Square Capital Partners II, L.P.	DE.....DE	NIA.....NIA	Massachusetts Mutual Life Insurance Company	Ownership	.24.000	MMLIC	
..0000			30-0336246		0001345379		Tower Square Capital Partners II, L.P.	DE.....DE	NIA.....NIA	C.M. Life Insurance Company	Ownership	.4200	MMLIC	
..0000			30-0336246		0001345379		Tower Square Capital Partners II, L.P.	DE.....DE	NIA.....NIA	Babson Capital Management LLC	Management		MMLIC	
..0000			30-0336246		0001345379		Tower Square Capital Partners II, L.P.	DE.....DE	NIA.....NIA	MassMutual Holding LLC	Ownership	.4500	MMLIC	
..0000			32-0160190				Tower Square Capital Partners II-A, L.P.	DE.....DE	NIA.....NIA	Massachusetts Mutual Life Insurance Company	Ownership	.76.900	MMLIC	
..0000			32-0160190				Tower Square Capital Partners II-A, L.P.	DE.....DE	NIA.....NIA	C.M. Life Insurance Company	Ownership	.13.600	MMLIC	
..0000			32-0160190				Tower Square Capital Partners III, L.P.	DE.....DE	NIA.....NIA	Babson Capital Management LLC	Management		MMLIC	
..0000			41-2280127		0001447547		Tower Square Capital Partners III, L.P.	DE.....DE	NIA.....NIA	MassMutual Holding LLC	Ownership	.3200	MMLIC	
..0000			41-2280127		0001447547		Tower Square Capital Partners III, L.P.	DE.....DE	NIA.....NIA	Massachusetts Mutual Life Insurance Company	Ownership	.20.300	MMLIC	
..0000			41-2280127		0001447547		Tower Square Capital Partners IIIA, L.P.	DE.....DE	NIA.....NIA	Massachusetts Mutual Life Insurance Company	Ownership	.88.000	MMLIC	
..0000			41-2280129		0001447548		Tower Square Capital Partners IIIA, L.P.	DE.....DE	NIA.....NIA	Babson Capital Management LLC	Management		MMLIC	
..0000			41-2280129		0001447548		Victoria Falls CLO, Ltd.	.....Cayman Islands	.....NIA	Babson Capital Management LLC	Influence		MMLIC	
..0000							Vinacasa CLO, Ltd.	.....Cayman Islands	.....NIA	Babson Capital Management LLC	Influence		MMLIC	
..0000							Whately CDO, Ltd.	.....Cayman Islands	.....NIA	Babson Capital Management LLC	Influence		MMLIC	
..0000							Winterset Capital Partners, L.P.	.....Cayman Islands	.....NIA	Massachusetts Mutual Life Insurance Company	Ownership	.75.700	MMLIC	
..0000							Winterset Capital Partners, L.P.	.....Cayman Islands	.....NIA	C.M. Life Insurance Company	Ownership	.2400	MMLIC	
..0000							Winterset Capital Partners, L.P.	.....Cayman Islands	.....NIA	Babson Capital Management LLC	Management		MMLIC	
..0000			20-4981369		0001371601		Wood Creek Multi Asset Fund, L.P.	DE.....DE	NIA.....NIA	Massachusetts Mutual Life Insurance Company	Ownership	.100.000	MMLIC	
..0000			20-4981369		0001371601		Wood Creek Multi Asset Fund, L.P.	DE.....DE	NIA.....NIA	Babson Capital Management LLC	Management		MMLIC	

13.7

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company

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

1 Group Code	2 Group Name	3 NAIC Company Code	4 Federal ID Number	5 Federal RSSD	6 CIK	7 Name of Securities Exchange if Publicly Traded (U.S. or International)	8 Names of Parent, Subsidiaries Or Affiliates	9 Domestic Location	10 Relationship to Reporting Entity	11 Directly Controlled by (Name of Entity/Person)	12 Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	13 If Control is Ownership Provide Percentage	14 Ultimate Controlling Entity(ies)/Person(s)	15 *
..0000			04-1590850			Wood Creek Venture Fund LLC	MA.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.60.000	MMLIC		
..0000			45-4184261		0001547286	Baring All Country World ex US Equity	DE.....	NIA.....	Baring Asset Management Limited	Management.....		MMLIC		
..0000			11-3789446			Baring Focused EAFE Equity Fund	DE.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.15.700	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.....	.30.800	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			26-4142796			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			26-1896226			Multi-Employer Global Aggregate Diversified Portfolio	DE.....	NIA.....	Baring Asset Management Limited	Management.....		MMLIC		
..0000			90-0728785			11 Fan Pier Boulevard Member LLC	CT.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.100.000	MMLIC		
..0000			20-2548283			12-18 West 55th Street Predevelopment, LLC	CT.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.92.000	MMLIC		
..0000			20-2548283			12-18 West 55th Street Predevelopment, LLC	CT.....	NIA.....	C.M. Life Insurance Company	Ownership.....	.8.000	MMLIC		
..0000			45-5257904			21 West 86 LLC	CT.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.95.000	MMLIC		
..0000			45-5257904			21 West 86 LLC	CT.....	NIA.....	C.M. Life Insurance Company	Ownership.....	.5.000	MMLIC		
..0000			80-0729557			50 Northern Avenue Member LLC	CT.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.100.000	MMLIC		
..0000			20-5481477			555 YVR LLC	CT.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.90.000	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.....	.35.800	MMLIC		
..0000			20-4570515		0001362970	Babson Mezzanine Realty Investors I	DE.....	NIA.....	C.M. Life Insurance Company	Ownership.....	.1.900	MMLIC		
..0000			20-4570515		0001362970	Babson Mezzanine Realty Investors I	DE.....	NIA.....	Cornerstone Real Estate Advisers LLC	Management.....		MMLIC		
..0000			24-1446970		0001362970	Babson Mezzanine Realty Investors II	DE.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.76.200	MMLIC		
..0000			24-1446970		0001362970	Babson Mezzanine Realty Investors II	DE.....	NIA.....	Cornerstone Real Estate Advisers LLC	Management.....		MMLIC		
..0000			06-1595820			CHC/RFP VI Core LLC	CT.....	NIA.....	Massachusetts Mutual Life Insurance Company	Ownership.....	.100.000	MMLIC		
..0000						Cornerstone Apartment Fund I, LLC	CT.....	NIA.....	Cornerstone Real Estate Advisers LLC	Influence.....		MMLIC		

13.8

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company

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

1 Group Code	2 Group Name	3 NAIC Company Code	4 Federal ID Number	5 Federal RSSD	6 CIK	7 Name of Securities Exchange if Publicly Traded (U.S. or International)	8 Names of Parent, Subsidiaries Or Affiliates	9 Domestic Location	10 Relationship to Reporting Entity	11 Directly Controlled by (Name of Entity/Person)	12 Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	13 If Control is Owner-ship Provide Percentage	14 Ultimate Controlling Entity(ies)/Person(s)	15 *
..0000			20-5786329		0001386622		Cornerstone Apartment Venture III, LLC	DE	NIA	Cornerstone Real Estate Advisers LLC	Influence		MMLIC	
..0000			56-2639862				Cornerstone Austin Industrial LP	TX	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.65.000	MMLIC	
..0000			56-2639862				Cornerstone Austin Park Central I LP	TX	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.32.000	MMLIC	
..0000			27-1701733				Cornerstone Core Mortgage Fund I LP	DE	NIA	Cornerstone Real Estate Advisers LLC	Management		MMLIC	
..0000			27-1701622				Cornerstone Core Mortgage Venture I LP	DE	NIA	Cornerstone Real Estate Advisers LLC	Ownership	.50.000	MMLIC	
..0000			26-1250183				Cornerstone Eldridge Park I LP	TX	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.100.000	MMLIC	
..0000			26-1244346				Cornerstone Eldridge Park II LP	TX	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.50.000	MMLIC	
..0000			45-3751572		0001534877		Cornerstone Enhanced Mortgage Fund I LP	DE	NIA	Cornerstone Real Estate Advisers LLC	Ownership	.16.000	MMLIC	
..0000			56-2630592				Cornerstone Fort Pierce Development LLC	CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.83.900	MMLIC	
..0000			56-2630592				Cornerstone Fort Pierce Development LLC	CT	NIA	C.M. Life Insurance Company	Ownership	.6.000	MMLIC	
..0000			20-8730751				Cornerstone Global REIT Corporation	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.92.300	MMLIC	
..0000			20-8730751				Cornerstone Global REIT Corporation	DE	NIA	C.M. Life Insurance Company	Ownership	.7.600	MMLIC	
..0000			20-5578165				Cornerstone Holding LP	CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.15.000	MMLIC	
..0000			26-1528817		0001423638		Cornerstone Hotel Income and Equity Fund II (PF) LP	DE	NIA	Cornerstone Real Estate Advisers LLC	Management		MMLIC	
..0000			20-5567494				Cornerstone Patriot Non-REIT Holding LLC	CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.15.000	MMLIC	
..0000			27-5209432				Cornerstone Real Estate Fund VIII (PF) LP	DE	NIA	Cornerstone Real Estate Advisers LLC	Management		MMLIC	
..0000			27-0547156				Cornerstone Real Estate Fund VIII LP	DE	NIA	Cornerstone Real Estate Advisers LLC	Influence		MMLIC	
..0000			20-4224383				CREA Juanita Village LLC	CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.96.000	MMLIC	
..0000			20-4224383				CREA Juanita Village LLC	CT	NIA	C.M. Life Insurance Company	Ownership	.4.000	MMLIC	
..0000			26-1816861				CREA/Legacy Federal Way LLC	CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.100.000	MMLIC	
..0000			26-2399532				CREA/LYON West Gateway, LLC	CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.90.000	MMLIC	
..0000			26-2399532				CREA/LYON West Gateway, LLC	CT	NIA	C.M. Life Insurance Company	Ownership	.10.000	MMLIC	
..0000			27-2934589				CREA/Nexus Anaheim Corners Holdings LLC	CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.65.000	MMLIC	
..0000			20-0348173				CREA/PPC Venture LLC	CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.93.000	MMLIC	
..0000			20-0348173				CREA/PPC Venture LLC	CT	NIA	C.M. Life Insurance Company	Ownership	.7.000	MMLIC	
..0000			20-4087568				CREA/Windstar Dublin-Pleasanton LLC	CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.92.000	MMLIC	
..0000			20-4087568				CREA/Windstar Dublin-Pleasanton LLC	CT	NIA	C.M. Life Insurance Company	Ownership	.8.000	MMLIC	
..0000			90-0789078				CREA/XISC Torrance Industrial LLC	CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.88.000	MMLIC	

13.9

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company

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

1 Group Code	2 Group Name	3 NAIC Company Code	4 Federal ID Number	5 Federal RSSD	6 CIK	7 Name of Securities Exchange if Publicly Traded (U.S. or International)	8 Names of Parent, Subsidiaries Or Affiliates	9 Domestic Location	10 Relationship to Reporting Entity	11 Directly Controlled by (Name of Entity/Person)	12 Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	13 If Control is Ownership Provide Percentage	14 Ultimate Controlling Entity(ies)/Person(s)	15
..0000			90-0789078				CREA/XISC Torrance Industrial LLC	CT	NIA	C.M. Life Insurance Company	Ownership	12.000	MMLIC	
..0000			26-1611591	3956836			Fallon Cornerstone One MPD LLC	CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.91.000	MMLIC	
..0000			26-1611591	3956836			Fallon Cornerstone One MPD LLC	CT	NIA	C.M. Life Insurance Company	Ownership	.9.000	MMLIC	
..0000			20-3347091				Fan Pier Development LLC	CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.100.000	MMLIC	
..0000			20-4834392				Flower Mound Warehouse	TX	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.88.500	MMLIC	
..0000			20-4834392				Flower Mound Warehouse	TX	NIA	C.M. Life Insurance Company	Ownership	.11.500	MMLIC	
..0000			11-3677334				Gallery Place Equity LLC	CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.50.000	MMLIC	
..0000			54-2029484				Great Oak Apartments LLC	CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.77.000	MMLIC	
..0000			54-2029484				Great Oak Apartments LLC	CT	NIA	C.M. Life Insurance Company	Ownership	.23.000	MMLIC	
..0000			20-8298948				Hanover Preferred Facility LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.45.000	MMLIC	
..0000			20-8298948				Hanover Preferred Facility LLC	DE	NIA	C.M. Life Insurance Company	Ownership	.5.000	MMLIC	
..0000			20-8298948				Hanover Preferred Facility LLC	DE	NIA	Cornerstone Real Estate Advisers LLC	Management		MMLIC	
..0000			20-4819358				Johnston Groves LLC	CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.57.000	MMLIC	
..0000			27-4592707				Kierland AZ LLC	CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.79.000	MMLIC	
..0000			27-4592707				Kierland AZ LLC	CT	NIA	C.M. Life Insurance Company	Ownership	.21.000	MMLIC	
..0000			20-4570515				MassMutual Boston Capital Mezzanine Partners II LP	CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.28.500	MMLIC	
..0000			20-4570515				MassMutual Boston Capital Mezzanine Partners II LP	CT	NIA	C.M. Life Insurance Company	Ownership	.1.000	MMLIC	
..0000			20-5984759				Metropolitan At Lorton	CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.93.500	MMLIC	
..0000			20-5984759				Metropolitan At Lorton	CT	NIA	C.M. Life Insurance Company	Ownership	.6.500	MMLIC	
..0000			46-0808569				PO Parsippany Office Portfolio LLC	CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.95.000	MMLIC	
..0000			46-0808569				PO Parsippany Office Portfolio LLC	CT	NIA	C.M. Life Insurance Company	Ownership	.5.000	MMLIC	
..0000			30-0713071				Riva Portland LLC	CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.100.000	MMLIC	
..0000			27-2977720				Sawgrass Village Shopping Center LLC	CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.84.000	MMLIC	
..0000			27-2977720				Sawgrass Village Shopping Center LLC	CT	NIA	C.M. Life Insurance Company	Ownership	.16.000	MMLIC	
..0000			46-0606690				Turnpike Executive Park LLC	CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.100.000	MMLIC	
..0000			45-4606547				UK LIW Manager LLC	CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.100.000	MMLIC	
..0000			45-4606547				UK LIW Member LLC	CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.100.000	MMLIC	
..0000			45-5401109				US Pharmaceutical Holding I LLC	JL	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.38.000	MMLIC	
..0000							Washington Gateway Apartments Venture LLC	CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.95.000	MMLIC	

13.10

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company

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

1 Group Code	2 Group Name	3 NAIC Company Code	4 Federal ID Number	5 Federal RSSD	6 CIK	7 Name of Securities Exchange if Publicly Traded (U.S. or International)	8 Names of Parent, Subsidiaries Or Affiliates	9 Domestic Location	10 Relationship to Reporting Entity	11 Directly Controlled by (Name of Entity/Person)	12 Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	13 If Control is Owner-ship Provide Percentage	14 Ultimate Controlling Entity(ies)/Person(s)	15 *
..0000			45-5401109				Washington Gateway Apartments Venture LLC	CT	NIA	C.M. Life Insurance Company Massachusetts Mutual Life Insurance Company	Ownership.....	5.000	MMLIC	
..0000			20-2970495				Waterford Development Associates	PA	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	.90.000	MMLIC	
..0000			45-2628608				Stonebriar Frisco MM LLC	CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	100.000	MMLIC	
..0000			26-2384708				Wesley Chapel Theaters LLC	CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	.90.000	MMLIC	
..0000			26-2384708				Wesley Chapel Theaters LLC	CT	NIA	C.M. Life Insurance Company Massachusetts Mutual Life Insurance Company	Ownership.....	.10.000	MMLIC	
..0000			45-3168892			OQ	MassMutual Barings Dynamic Allocation Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	.78.600	MMLIC	
..0000			04-3212054		0000927972	OQ	MassMutual Premier Balanced Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	3.900	MMLIC	
..0000			51-0529336		0000927972	OQ	MassMutual Premier Capital Appreciation Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	6.200	MMLIC	
..0000			04-3277549		0000927972	OQ	MassMutual Premier Core Bond Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	3.300	MMLIC	
..0000			04-3539084		0000927972	OQ	MassMutual Premier Disciplined Value Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	.800	MMLIC	
..0000			04-3520009		0000927972	OQ	MassMutual Premier High Yield Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	.24.500	MMLIC	
..0000			03-0532475		0000927972	OQ	MassMutual Premier Inflation-Protected and Income Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	8.900	MMLIC	
..0000			04-3212044		0000927972	OQ	MassMutual Premier International Equity Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	4.000	MMLIC	
..0000			26-1345534		0000927972	OQ	MassMutual Premier International Bond Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	.40.100	MMLIC	
..0000			04-3224705		0000927972	OQ	MassMutual Premier Small/Mid Cap Opportunities Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	.10.700	MMLIC	
..0000			26-3229251		0000927972	OQ	MassMutual Premier Strategic Emerging Markets Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	.53.600	MMLIC	
..0000			04-3277550		0000927972	OQ	MassMutual Premier Value Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	.3.700	MMLIC	
..0000			01-0821120		0000916053	OQ	MassMutual Select Diversified Value Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	.0.700	MMLIC	
..0000			04-3512590		0000916053	OQ	MassMutual Select Focused Value Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	.2.800	MMLIC	
..0000			04-3584138		0000916053	OQ	MassMutual Select Fundamental Value Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	.1.100	MMLIC	
..0000			04-3512589		0000916053	OQ	MassMutual Select Growth Opportunities Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	.1.000	MMLIC	
..0000			04-3410047		0000916053	OQ	MassMutual Select Indexed Equity Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	.1.600	MMLIC	
..0000			04-3513019		0000916053	OQ	MassMutual Select Large Cap Value Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	.2.100	MMLIC	
..0000			04-3512596		0000916053	OQ	MassMutual Select Mid Cap Growth Equity II Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	.1.700	MMLIC	
..0000			42-1710935		0000916053	OQ	MassMutual Select Mid-Cap Value Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	.1.500	MMLIC	
..0000			04-3557000		0000916053	OQ	MassMutual Select Overseas Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership.....	.4.900	MMLIC	

13.11

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company

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

1 Group Code	2 Group Name	3 NAIC Company Code	4 Federal ID Number	5 Federal RSSD	6 CIK	7 Name of Securities Exchange if Publicly Traded (U.S. or International)	8 Names of Parent, Subsidiaries Or Affiliates	9 Domestic Location	10 Relationship to Reporting Entity	11 Directly Controlled by (Name of Entity/Person)	12 Type of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other)	13 If Control is Ownership Provide Percentage	14 Ultimate Controlling Entity(ies)/Person(s)	15 *
..0000			04-3464205		0000916053	OQ	MassMutual Select Small Cap Growth Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	1.700	MMLIC	
..0000			04-3584141		0000916053	OQ	MassMutual Select Small Company Growth Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
..0000			04-3584140		0000916053	OQ	MassMutual Select Small Company Value Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	0.900	MMLIC	
..0000			45-5349772		0000916053	OQ	MassMutual Select S&P Mid Cap Index Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.92.000	MMLIC	
..0000			45-5366542		0000916053	OQ	MassMutual Select Russell 2000 Small Cap Index Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.91.700	MMLIC	
..0000			45-5357167		0000916053	OQ	MassMutual Select MSCI EAFE International Index Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.88.000	MMLIC	
..0000			26-2997893		0000067160		MML China Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
..0000			45-3612851		0000067160		MML Focused Equity Fund Class I	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	17.700	MMLIC	
..0000			45-3612938		0000067160		MML Fundamental Growth Fund Class I	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.34.500	MMLIC	
..0000			27-2959469		0000067160		MML Fundamental Value Fund Class I	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.52.600	MMLIC	
..0000			27-2959552		0000067160		MML PIMCO Total Return Fund Class I	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	4.600	MMLIC	
..0000			27-1933828		0000916053		MassMutual RetireSMART 2015 Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.83.700	MMLIC	
..0000			27-1933753		0000916053		MassMutual RetireSMART 2025 Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.52.500	MMLIC	
..0000			27-1933389		0000916053		MassMutual RetireSMART 2035 Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.60.100	MMLIC	
..0000			27-1932769		0000916053		MassMutual RetireSMART 2045 Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.85.200	MMLIC	
..0000			03-0532464		0000916053		MassMutual RetireSMART In Retirement Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.85.700	MMLIC	
..0000			45-1618222		0000916053		MassMutual RetireSMART Growth Fund	MA Cayman Islands	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.11.400	MMLIC	
..0000							HarbourView CLO 2006-1 Limited			OppenheimerFunds, Inc.	Influence		MMLIC	
..0000			26-1143312				OFI Institutional Commodities Strategy Fund II, LLC	DE	NIA	OppenheimerFunds, Inc.	Ownership	100.000	MMLIC	
..0000			61-1504919				Oppenheimer Global Multi Strategies Fund	MA	NIA	OppenheimerFunds, Inc.	Ownership	100.000	MMLIC	
..0000			13-3054122		0000319767		Oppenheimer Capital Appreciation Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.100	MMLIC	
..0000			84-1073463		0001116894		Oppenheimer Main Street Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.100	MMLIC	
..0000			22-3849391		0001163166		Oppenheimer Real Estate Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	.300	MMLIC	
..0000			13-3949688				Rye Select Broad Market Prime	DE	NIA	Tremont Group Holdings, Inc.	Influence		MMLIC	

13.12

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company

Asterisk	Explanation
1	Massachusetts Mutual Life Insurance Company owns 21% of the debt of Jefferies Finance LLC
2	Babson Capital Loan Strategies Fund, L.P. owns 65.3% of the debt of Loan Strategies Funding, LLC
3	Babson Capital Management LLC is the investment advisor for this fund and MassMutual Holding LLC has an ownership position.
4	Benton Street I, L.P. ownership percentage of 8.2% includes intercompany ownerships for Babson Credit Strategies Fund, L.P. for 4.3% and Blue Chip Multi-Strategy Fund L.P. for 0.9%. MassMutual Capital Partners LLC also owns a position in Benton Street Partners I, L.P.
5	The Benton Street II, L.P. ownership percentage of 98.8% includes intercompany ownerships for Babson Capital Loan Strategies Fund, L.P. for 60.6% and Winterset Capital Partners, L.P. for 36.4%
6	Fugu Credit PLC owns 51% of the debt of Fugu CLO B.V.

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company

SUPPLEMENTAL EXHIBITS AND SCHEDULES INTERROGATORIES

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

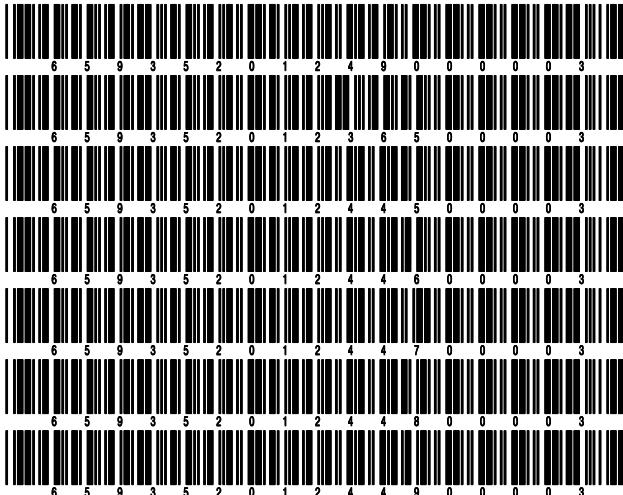
	Response
1. Will the Trusteed Surplus Statement be filed with the state of domicile and the NAIC with this statement?	NO
2. Will the Medicare Part D Coverage Supplement be filed with the state of domicile and the NAIC with this statement?	NO
3. Will the Reasonableness of Assumptions Certification required 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.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.

Bar Code:

1. Trusteed Surplus Statement [Document Identifier 490]
2. Medicare Part D Coverage Supplement [Document Identifier 365]
3. Reasonableness of Assumptions Certification required by Actuarial Guideline XXXV [Document Identifier 445]
4. Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXV [Document Identifier 446]
5. Reasonableness of Assumptions Certification for Implied Guaranteed Rate Method required by Actuarial Guideline XXXVI [Document Identifier 447]
6. Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXVI [Document Identifier 448]
7. Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXVI (Updated Market Value) [Document Identifier 449]



STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company
OVERFLOW PAGE FOR WRITE-INS

Additional Write-ins for Assets Line 25

	Current Statement Date			4 December 31 Prior Year Net Admitted Assets
	1 Assets	2 Nonadmitted Assets	3 Net Admitted Assets (Cols. 1 - 2)	
2504. Pension plan asset	757,910,612	755,450,804	2,459,808	2,459,807
2505. Fully refundable deposits and prepayments and other miscellaneous	98,026,834	97,564,139	462,695	1,401,215
2506. Cash advances to agents	86,025,411	86,025,411		
2507. Commissions and expenses on long-term lease	25,023,427	25,023,427		
2508. Intangible assets	2,638,889	2,638,889		
2509. Bills receivable	499,427	499,427		
2597. Summary of remaining write-ins for Line 25 from overflow page	970,124,600	967,202,097	2,922,503	3,861,022

Additional Write-ins for Liabilities Line 25

	1 Current Statement Date	2 December 31 Prior Year
2504. Deferred liability	5,720,405	5,720,405
2597. Summary of remaining write-ins for Line 25 from overflow page	5,720,405	5,720,405

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	1,191,973,571	1,128,162,592
2. Cost of acquired:		
2.1 Actual cost at time of acquisition	2,715,546	165,237,756
2.2 Additional investment made after acquisition	36,317,202	64,155,873
3. Current year change in encumbrances	(34,198,526)	16,033,315
4. Total gain (loss) on disposals	11,723,154	30,346,862
5. Deduct amounts received on disposals	57,805,725	115,302,368
6. Total foreign exchange change in book/adjusted carrying value		124,443
7. Deduct current year's other than temporary impairment recognized	73,274,760	96,536,016
8. Deduct current year's depreciation		1,191,973,571
9. Book/adjusted carrying value at the end of current period (Lines 1+2+3+4-5+6-7-8)	1,077,450,462	
10. Deduct total nonadmitted amounts		
11. Statement value at end of current period (Line 9 minus Line 10)	1,077,450,462	1,191,973,571

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	12,443,246,897	11,348,303,679
2. Cost of acquired:		
2.1 Actual cost at time of acquisition	3,149,095,707	3,005,634,000
2.2 Additional investment made after acquisition	38,102,386	153,346,176
3. Capitalized deferred interest and other	(1,513,549)	(1,098,627)
4. Accrual of discount	2,451,441	5,006,231
5. Unrealized valuation increase (decrease)		
6. Total gain (loss) on disposals	30,588,619	(12,054,213)
7. Deduct amounts received on disposals	1,738,320,385	1,989,776,673
8. Deduct amortization of premium and mortgage interest points and commitment fees	2,948,551	1,741,863
9. Total foreign exchange change in book value/recorded investment excluding accrued interest	(13,697,112)	(15,160,927)
10. Deduct current year's other than temporary impairment recognized	3,219,141	49,210,886
11. Book value/recorded investment excluding accrued interest at end of current period (Lines 1+2+3+4+5+6-7-8+9-10)	13,903,786,312	12,443,246,897
12. Total valuation allowance	(21,818,932)	(45,670,001)
13. Subtotal (Line 11 plus Line 12)	13,881,967,380	12,397,576,896
14. Deduct total nonadmitted amounts		
15. Statement value at end of current period (Line 13 minus Line 14)	13,881,967,380	12,397,576,896

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	5,978,692,000	5,684,549,538
2. Cost of acquired:		
2.1 Actual cost at time of acquisition	199,652,316	331,270,090
2.2 Additional investment made after acquisition	883,216,499	995,723,884
3. Capitalized deferred interest and other		
4. Accrual of discount		
5. Unrealized valuation increase (decrease)	428,935,964	421,034,650
6. Total gain (loss) on disposals	58,192,686	27,915,034
7. Deduct amounts received on disposals	1,063,065,310	1,457,346,978
8. Deduct amortization of premium and depreciation		
9. Total foreign exchange change in book/adjusted carrying value	(1,360,914)	(21,699,884)
10. Deduct current year's other than temporary impairment recognized	4,527,886	2,754,334
11. Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5+6-7-8+9-10)	6,479,735,355	5,978,692,000
12. Deduct total nonadmitted amounts	100,980,775	336,668,499
13. Statement value at end of current period (Line 11 minus Line 12)	6,378,754,580	5,642,023,501

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	59,345,453,712	54,611,803,256
2. Cost of bonds and stocks acquired	14,401,961,618	22,392,977,518
3. Accrual of discount	328,229,730	504,607,389
4. Unrealized valuation increase (decrease)	813,845,232	710,125,237
5. Total gain (loss) on disposals	253,661,793	327,157,992
6. Deduct consideration for bonds and stocks disposed of	13,201,578,489	18,943,321,485
7. Deduct amortization of premium	38,844,955	57,367,631
8. Total foreign exchange change in book/adjusted carrying value	10,823,459	(36,031,618)
9. Deduct current year's other than temporary impairment recognized	121,757,367	164,496,946
10. Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5-6-7+8-9)	61,791,794,733	59,345,453,712
11. Deduct total nonadmitted amounts		
12. Statement value at end of current period (Line 10 minus Line 11)	61,791,794,733	59,345,453,712

STATEMENT AS OF SEPTEMBER 30, 2012 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 Rating Class

	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. Class 1 (a)	33,280,470,108	1,255,692,477	1,656,402,942	152,337,393	33,862,358,247	33,280,470,108	33,032,097,036	33,717,845,987
2. Class 2 (a)	19,681,086,796	13,731,152,031	13,076,518,375	126,552,011	17,861,534,381	19,681,086,796	20,462,272,463	17,720,336,662
3. Class 3 (a)	2,076,875,525	1,076,250,819	1,038,598,619	(163,279,914)	1,829,473,208	2,076,875,525	1,951,247,811	1,608,775,180
4. Class 4 (a)	955,825,021	242,363,353	181,949,305	16,815,898	1,015,482,874	955,825,021	1,033,054,967	915,376,810
5. Class 5 (a)	638,788,411	29,380,383	50,376,580	12,953,682	715,150,957	638,788,411	630,745,896	718,005,351
6. Class 6 (a)	129,695,486	48,600,387	28,087,523	19,232,150	120,125,500	129,695,486	169,440,500	125,238,109
7. Total Bonds	56,762,741,347	16,383,439,450	16,031,933,345	164,611,220	55,404,125,167	56,762,741,347	57,278,858,672	54,805,578,099
PREFERRED STOCK								
8. Class 1	209,341,089				209,341,089	209,341,089	209,341,089	196,591,089
9. Class 2			4,141,827	4,141,827				
10. Class 3	123,000,000				123,000,000	123,000,000	123,000,000	123,000,000
11. Class 4					1,289,449			1,289,449
12. Class 5	1,757,726				468,277	1,757,726	1,757,726	468,277
13. Class 6	1,647,544		298,107	197,869	1,647,544	1,647,544	1,547,306	1,716,325
14. Total Preferred Stock	335,746,359		4,439,933	4,339,696	335,746,359	335,746,359	335,646,121	323,065,140
15. Total Bonds and Preferred Stock	57,098,487,706	16,383,439,450	16,036,373,278	168,950,916	55,739,871,526	57,098,487,706	57,614,504,794	55,128,643,239

(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 \$ 34,985,094 ; NAIC 2 \$ 2,060,444,019 ; NAIC 3 \$ 184,907,371 ;

NAIC 4 \$; NAIC 5 \$; NAIC 6 \$

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company

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	504,348,122	XXX	503,790,656		

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	344,635,447	118,059,332
2. Cost of short-term investments acquired	1,518,004,322	2,442,289,713
3. Accrual of discount	1,556,346	2,278,969
4. Unrealized valuation increase (decrease)		
5. Total gain (loss) on disposals	11,591	195,604
6. Deduct consideration received on disposals	1,359,859,584	2,219,039,140
7. Deduct amortization of premium		
8. Total foreign exchange change in book/adjusted carrying value		850,969
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)	504,348,122	344,635,447
11. Deduct total nonadmitted amounts		
12. Statement value at end of current period (Line 10 minus Line 11)	504,348,122	344,635,447

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company

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)	3,153,563,461
2. Cost Paid/(Consideration Received) on additions	158,429,017
3. Unrealized Valuation increase/(decrease)	(349,061,278)
4. Total gain (loss) on termination recognized	118,441,687
5. Considerations received/(paid) on terminations	211,817,177
6. Amortization	2,666
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)	2,869,558,376
10. Deduct nonadmitted assets	
11. Statement value at end of current period (Line 9 minus Line 10)	2,869,558,376

SCHEDULE DB - PART B - VERIFICATION

Futures Contracts

1. Book/Adjusted carrying value, December 31 of prior year	0
2. Net cash deposits (Section 1, Broker Name/Net Cash Deposits Footnote)	
3.1 Change in variation margin on open contracts	(14,071,649)
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 16, current year to date minus	(25,046,177)
3.24 Section 1, Column 16, prior year	(10,974,528) (14,071,649) (14,071,649)
3.3 Subtotal (Line 3.1 minus Line 3.2)	0
4.1 Variation margin on terminated contracts during the year	(59,058,240)
4.2 Less:	
4.21 Amount used to adjust basis of hedged item	
4.22 Amount recognized	(59,058,240) (59,058,240)
4.3 Subtotal (Line 4.1 minus Line 4.2)	
5. Dispositions gains (losses) on contracts terminated in prior year:	
5.1 Recognized	
5.2 Used to adjust basis of hedged items	
6. Book/Adjusted carrying value at end of current period (Lines 1+2+3.3-4.3-5.1-5.2)	0
7. Deduct total nonadmitted amounts	
8. Statement value at end of current period (Line 6 minus Line 7)	0

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company

SCHEDULE DB - PART C - SECTION 1

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

1 Number	2 Description	Replication (Synthetic Asset) Transactions								Components of the Replication (Synthetic Asset) Transactions							
		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		
091797 C* 9	Black & Decker Corporation - Senior Note	1	5,000,000	5,537,905	5,955,245	11/07/2006	12/20/2013	Swap/CDS Long	.37,905	.37,905	55328#-AA-5 ..	MMIX Properties SPV LLC/Gtd Senior Secured Note	1	5,500,000	.5,917,340		
925524 B@ 8	C B S Corp. - Note	2	5,000,000	5,531,516	5,948,856	11/07/2006	12/20/2013	Swap/CDS Long	.31,516	.31,516	55328#-AA-5 ..	MMIX Properties SPV LLC/Gtd Senior Secured Note	1	5,500,000	.5,917,340		
319963 C@ 1	First Data Corporation - Senior Note	5	5,000,000	5,451,172	5,868,512	11/07/2006	12/20/2013	Swap/CDS Long	(48,828)	(48,828)	55328#-AA-5 ..	MMIX Properties SPV LLC/Gtd Senior Secured Note	1	5,500,000	.5,917,340		
205363 C@ 1	Computer Sciences Corporation - Note	2	5,000,000	5,517,549	5,934,889	11/07/2006	12/20/2013	Swap/CDS Long	.17,549	.17,549	55328#-AA-5 ..	MMIX Properties SPV LLC/Gtd Senior Secured Note	1	5,500,000	.5,917,340		
755111 E#4	Raytheon Company	1	8,350,000	1,663,883	1,825,388	03/22/2010	06/20/2015	Swap/CDS Long	163,883	163,883	K3752#-AB-4 ..	Copenhagen Airports A/S/Senior Note Series B	2	1,500,000	.1,661,505		
755111 E#4	Raytheon Company	1		8,450,000	8,871,317	03/22/2010	06/20/2015	Swap/CDS Long			N4345#-AC-1 ..	Iberdrola International B.V./Gtd Senior Note Series C	1	8,450,000	.8,871,317		
666807 C#7	Northrup Grumman Corporation	2	8,350,000	2,170,546	2,378,100	03/22/2010	06/20/2015	Swap/CDS Long	170,546	170,546	980745-B*-3 ..	Woodward Governor Company/Senior Note Series C	2	2,000,000	.2,207,554		
666807 C#7	Northrup Grumman Corporation	2		7,600,000	8,755,823	03/22/2010	06/20/2015	Swap/CDS Long			Q3629#-AD-5 ..	ETSA Utilities Finance Pty Ltd./Gtd Senior Secured Note Ser B	1	7,600,000	.8,755,823		
666807 D#0	Northrup Grumman Corporation	2	8,500,000	2,173,609	2,381,163	03/22/2010	06/20/2015	Swap/CDS Long	173,609	173,609	980745-B*-3 ..	Woodward Governor Company/Senior Note Series C	2	2,000,000	.2,207,554		
666807 D#0	Northrup Grumman Corporation	2		7,600,000	8,755,823	03/22/2010	06/20/2015	Swap/CDS Long			Q3629#-AD-5 ..	ETSA Utilities Finance Pty Ltd./Gtd Senior Secured Note Ser B	1	7,600,000	.8,755,823		
755111 E#6	Raytheon Company	1	8,500,000	2,164,465	2,513,405	03/22/2010	06/20/2015	Swap/CDS Long	164,465	164,465	11283#-AD-3 ..	Brookfield Power New York Financing LP/Note Series 4 ..	1	2,000,000	.2,348,940		
755111 E#6	Raytheon Company	1		7,475,000	8,719,677	03/22/2010	06/20/2015	Swap/CDS Long			G9298#-AN-1 ..	Urenco Ltd./Gtd Senior Note Series B	1	7,475,000	.8,719,677		
009158 G*1	Air Products	1	8,500,000	1,155,750	1,376,490	03/22/2010	06/20/2015	Swap/CDS Long	155,750	155,750	10222*-AA-9 ..	Bowater Saluda Note Holdings LLC/Senior Secured Note	1	1,000,000	.1,220,740		
009158 G*1	Air Products	1		7,475,000	8,719,677	03/22/2010	06/20/2015	Swap/CDS Long			G9298#-AN-1 ..	Urenco Ltd./Gtd Senior Note Series B	1	7,475,000	.8,719,677		
009158 G*1	Air Products	1		1,600,000	1,843,331	03/22/2010	06/20/2015	Swap/CDS Long			Q3629#-AD-5 ..	ETSA Utilities Finance Pty Ltd./Gtd Senior Secured Note Ser B	1	1,600,000	.1,843,331		
755111 E*8	Raytheon Company	1	8,350,000	1,661,563	1,823,068	03/22/2010	06/20/2015	Swap/CDS Long	161,563	161,563	K3752#-AB-4 ..	Copenhagen Airports A/S/Senior Note Series B	2	1,500,000	.1,661,505		
755111 E*8	Raytheon Company	1		8,450,000	8,871,317	03/22/2010	06/20/2015	Swap/CDS Long			N4345#-AC-1 ..	Iberdrola International B.V./Gtd Senior Note Series C	1	8,450,000	.8,871,317		
418056 B@5	Hasbro, Inc.	2	4,300,000	4,933,104	5,758,063	03/22/2010	06/20/2015	Swap/CDS Long	.33,104	.33,104	89838#-AB-3 ..	Dartmouth College/Senior Secured Note	1	4,900,000	.5,724,959		
94106L E#2	Waste Management, Inc. - Senior Note	2	150,000	.173,811	.178,960	04/13/2007	03/20/2013	Swap/CDS Long		.207	.207	912828-BA-7 ..	United States Department of Treasury/Note	1	173,604	.178,753	
94106L E#2	Waste Management, Inc. - Senior Note	2	3,650,000	4,105,030	4,416,138	04/13/2007	03/20/2013	Swap/CDS Long		.5,030	.5,030	55328#-AA-5 ..	MMIX Properties SPV LLC/Gtd Senior Secured Note	1	4,100,000	.4,411,108	
84743Q A*9	Special Values Opportunities Fund	1	1,010,101	23,016,099	26,378,331	03/29/2011	07/13/2014	Swap/Total Return		.17,617	.17,617	92976V-AE-8 ..	Wachovia Bank Commercial Mortgage Trust/Series 2006-C25 Class A4 REID	1	22,998,482	.26,360,714	
84743Q A*9	Special Values Opportunities Fund	1		4,503,769	5,255,829	03/29/2011	07/13/2014	Swap/Total Return			92977R-AD-8 ..	Wachovia Bank Commercial Mortgage Trust/Series 2006-C26 Class A3 REID	1	4,503,769	.5,255,829		
84743Q A*9	Special Values Opportunities Fund	1	.25,000,000	22,902,058	26,264,290	03/29/2011	07/13/2014	Swap/Total Return		.(96,424)	.(96,424)	92976V-AE-8 ..	Wachovia Bank Commercial Mortgage Trust/Series 2006-C25 Class A4 REID	1	22,998,482	.26,360,714	
84743Q A*9	Special Values Opportunities Fund	1		4,503,769	5,255,829	03/29/2011	07/13/2014	Swap/Total Return			92977R-AD-8 ..	Wachovia Bank Commercial Mortgage Trust/Series 2006-C26 Class A3 REID	1	4,503,769	.5,255,829		
57629* AB7	Mass Mutual Basket of Long Fixed Rate Bank Loans B- or Above	3	50,000,000	16,372,150	15,785,114	10/01/2012	10/01/2042	Swap/Vanilla		.(402,386)	.Q3510X-A0-6 ..	Energy Developments Ltd. Tranche C Term Loan	3	.16,372,150	.16,187,500		
57629* AB7	Mass Mutual Basket of Long Fixed Rate Bank Loans B- or Above	3		11,651,641	11,570,776	10/01/2012	10/01/2042	Swap/Vanilla			.Y3751M-A0-9 ..	Arcent Technologies Tranche A-1 .. NRC US Holding Company LLC Term Loan (03/12)	3	.11,651,641	.11,570,776		
57629* AB7	Mass Mutual Basket of Long Fixed Rate Bank Loans B- or Above	3		.9,792,274	10,133,924	10/01/2012	10/01/2042	Swap/Vanilla			.629620-A5-4 ..		4	.9,792,274	.10,133,924		

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company

SCHEDULE DB - PART C - SECTION 1

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

1 Number	2 Description	Replication (Synthetic Asset) Transactions								Components of the Replication (Synthetic Asset) Transactions									
		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	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* AB7	Mass Mutual Basket of Long Fixed Rate Bank Loans B- or Above	3		13,184,643	13,229,997	10/01/2012	10/01/2042	Swap/Vanilla			12543K-A4-6	CHS/Community Health Systems, Extended Term Loan	3	13,184,643	13,229,997				
57629* AA9	Mass Mutual Basket of Long Fixed Rate Corp Inv Grade Equiv Bonds	3	50,000,000	39,000,000	36,222,508	10/01/2012	10/01/2042	Swap/Vanilla			(335,858)	223611-A*-5	Note	2	39,000,000	36,558,366			
57629* AA9	Mass Mutual Basket of Long Fixed Rate Corp Inv Grade Equiv Bonds	3		12,800,000	12,375,296	10/01/2012	10/01/2042	Swap/Vanilla			955306-A0-4	West Pharmaceutical Services Senior Note Series B	2	12,800,000	12,375,296				
57629* AA9	Mass Mutual Basket of Long Fixed Rate Corp Inv Grade Equiv Bonds	3		4,000,000	3,650,604	10/01/2012	10/01/2042	Swap/Vanilla			27965#-AD-4	Edens & Avant Investments LP Gtd Senior Note Series A Tr D	2	4,000,000	3,650,604				
9999999 - Totals				252,616,306	267,017,740	XXX	XXX	XXX		987,492	249,248	XXX	XXX	XXX	251,628,814	266,768,492			

STATEMENT AS OF SEPTEMBER 30, 2012 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	18	190,468,182	17	147,096,970	17	151,660,101			18	190,468,182
2. Add: Opened or Acquired Transactions.....			1	25,000,000	2	100,000,000			3	125,000,000
3. Add: Increases in Replication (Synthetic Asset) Transactions Statement Value.....	XXX		XXX	1,563,131	XXX		XXX		XXX	1,563,131
4. Less: Closed or Disposed of Transactions.....	1	21,000,000	1	22,000,000	2	47,000,000			4	90,000,000
5. Less: Positions Disposed of for Failing Effectiveness Criteria.....										
6. Less: Decreases in Replication (Synthetic Asset) Transactions Statement Value	XXX	22,371,212	XXX		XXX		XXX		XXX	22,371,212
7. Ending Inventory	17	147,096,970	17	151,660,101	17	204,660,101			17	204,660,101

STATEMENT AS OF SEPTEMBER 30, 2012 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.....	2,869,558,376
2. Part B, Section 1, Column 14 .....	.....
3. Total (Line 1 plus Line 2) .....	..... 2,869,558,376
4. Part D, Column 5	9,683,225,255
5. Part D, Column 6	(6,813,666,879)
6. Total (Line 3 minus Line 4 minus Line 5) .....	.....
	Fair Value Check
7. Part A, Section 1, Column 16	2,868,820,132
8. Part B, Section 1, Column 13 .....	.....
9. Total (Line 7 plus Line 8) .....	..... 2,868,820,132
10. Part D, Column 8	9,683,225,255
11. Part D, Column 9	(6,814,405,123)
12 Total (Line 9 minus Line 10 minus Line 11) .....	.....
	Potential Exposure Check
13. Part A, Section 1, Column 21	1,736,414,916
14. Part B, Section 1, Column 19	136,112,200
15. Part D, Column 11	1,872,527,116
16. Total (Line 13 plus Line 14 minus Line 15) .....	.....

STATEMENT AS OF SEPTEMBER 30, 2012 OF THE Massachusetts Mutual Life Insurance Company

SCHEDULE E - VERIFICATION

(Cash Equivalents)

	1 Year To Date	2 Prior Year Ended December 31
1. Book/adjusted carrying value, December 31 of prior year	997,018,975	681,848,351
2. Cost of cash equivalents acquired	28,859,860,633	25,867,558,724
3. Accrual of discount	5,477,120	4,598,504
4. Unrealized valuation increase (decrease) .....	.....	.....
5. Total gain (loss) on disposals	40,018	14,038
6. Deduct consideration received on disposals	28,086,408,384	25,557,000,642
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)	1,775,988,362	997,018,975
11. Deduct total nonadmitted amounts .....	.....	.....
12. Statement value at end of current period (Line 10 minus Line 11)	1,775,988,362	997,018,975