

LIFE AND ACCIDENT AND HEALTH COMPANIES - ASSOCIATION EDITION

QUARTERLY STATEMENT

AS OF MARCH 31, 2012 OF THE CONDITION AND AFFAIRS OF THE

MML Bay State Life Insurance Company

NAIC Group Code 0435 0435 NAIC Company Code 70416 Employer's ID Number 43-0581430

Organized under the Laws of		Prior) ecticut	, State o	of Domicile or Port of E	ntry Connecticut
Country of Domicile		United	States of Ameri	ca	
Incorporated/Organized	04/01/1935		_ Cor	nmenced Business	07/01/1894
Statutory Home Office	100 Bright Meadov	v Boulevard	,		Enfield, CT 06082
-	(Street and No	umber)		(City	y or Town, State and Zip Code)
Main Administrative Office		129	95 State Street		
	0 ' "	,	eet and Number)	440 700 0444
(City	Springfield , MA 01111 or Town, State and Zip Code		,	(Are	413-788-8411 ea Code) (Telephone Number)
	•	•		(, ,,,	ou code) (Tolophone Hambol)
Mail Address	1295 State Stree (Street and Number or P		,	(City	Springfield , MA 01111 y or Town, State and Zip Code)
	(Street and Number of F	.O. BOX)		(Cit)	y or Town, State and Zip Gode)
Primary Location of Books and	Records		95 State Street		
	Springfield , MA 01111	(Stre	eet and Number)	413-788-8411
(City	or Town, State and Zip Code)	,	(Are	ea Code) (Telephone Number)
Internet Web Site Address		140404/	.massmutual.co	m	
Internet Web Site Address		VV VV .	.massmutuai.co	111	
Statutory Statement Contact		A. Peatman		,	413-744-6327
tr	peatman@massmutual.com	(Name)			(Area Code) (Telephone Number) 413-226-4086
<u> </u>	(E-mail Address)		,		(FAX Number)
Drasidant and Chief		(OFFICERS		
President and Chief Executive Officer	Roger Willian	n Crandall		Treasurer	Todd Garett Picken
Secretary	Christine Card	le Peaslee		Actuary	Isadore Jermyn
			OTHER		
	xecutive Vice President and	Mark Douglas Roel	-	ice President and	
Chief Finance	cial Officer	G	eneral Counsel		Michael Robert Fanning Executive Vice President
		DIRECTO	RS OR TRUS	STEES	
Roger William Cra		Mich	ael Robert Fanr	ning	Michael Thomas Rollings
Mark Doug	as Roellig				
- · ·					
State of County of	Massachusetts Hampden	SS:			
	патраен				
all of the herein described assistatement, together with related condition and affairs of the said in accordance with the NAIC A rules or regulations require direspectively. Furthermore, the	ets were the absolute propert exhibits, schedules and expla reporting entity as of the reporting entity as of the reportinal Statement Instructions fferences in reporting not re scope of this attestation by the	y of the said reporting thations therein contain the period stated about and Accounting Practicated to accounting period described officers a	entity, free and ned, annexed of ove, and of its in ces and Procedoractices and p lso includes the	d clear from any liens of referred to, is a full an come and deductions to the torocedures, according to related corresponding	rting entity, and that on the reporting period stated aboror claims thereon, except as herein stated, and that the true statement of all the assets and liabilities and of therefrom for the period ended, and have been completed the extent that: (1) state law may differ; or, (2) that state to the best of their information, knowledge and belielectronic filing with the NAIC, when required, that is per requested by various regulators in lieu of or in additional contents.
Roger William Cr President and Chief Exe Subscribed and sworn to before	cutive Officer	Christi	b.	Is this an original filing?	
day of				 State the amendment Date filed 	nt number

3. Number of pages attached......

ASSETS

		1	2	3	December 31
		·	_	Net Admitted Assets	Prior Year Net
		Assets	Nonadmitted Assets	(Cols. 1 - 2)	Admitted Assets
1.	Bonds	173,528,093		173,528,093	180,319,565
2.	Stocks:				
	2.1 Preferred stocks				
	2.2 Common stocks				
3.	Mortgage loans on real estate:				
	3.1 First liens	5,910,706		5,910,706	6,068,371
	3.2 Other than first liens.				
4.	Real estate:				
	4.1 Properties occupied by the company (less \$				
	encumbrances)				
	4.2 Properties held for the production of income (less				
	·				
	4.3 Properties held for sale (less \$				
	encumbrances)				
5.	Cash (\$(517,900)), cash equivalents				
	(\$42,668,839) and short-term				
	investments (\$)	42,150,940		42, 150, 940	12,383,390
6.	Contract loans (including \$ premium notes)	93,752,905		93,752,905	93,500,426
7.	Derivatives				
8.	Other invested assets				
9.	Receivables for securities				
10.	Securities lending reinvested collateral assets				
	-				
11.	Aggregate write-ins for invested assets				
12.	Subtotals, cash and invested assets (Lines 1 to 11)	313,333,031		315,353,051	292,2/1,/52
13.	Title plants less \$ charged off (for Title insurers				
	only)				
14.	Investment income due and accrued	2,623,156	200	2,622,956	2,430,151
15.	Premiums and considerations:				
	15.1 Uncollected premiums and agents' balances in the course of collection	4,816	416	4,400	2,433
	15.2 Deferred premiums, agents' balances and installments booked but				
	deferred and not yet due (including \$				
	earned but unbilled premiums)	(1,757,926)		(1,757,926)	(2,785,561)
	15.3 Accrued retrospective premiums				
16.	Reinsurance:				
	16.1 Amounts recoverable from reinsurers	822.051		822.051	581.429
	16.2 Funds held by or deposited with reinsured companies				
	16.3 Other amounts receivable under reinsurance contracts				
17					
17.	Amounts receivable relating to uninsured plans			5,029,398	
	ü				
	Net deferred tax asset			7,395,298	6,890,781
19.	Guaranty funds receivable or on deposit			1,377,608	1,381,088
20.	Electronic data processing equipment and software				
21.	Furniture and equipment, including health care delivery assets				
	(\$				
22.	Net adjustment in assets and liabilities due to foreign exchange rates				
23.	Receivables from parent, subsidiaries and affiliates	609,584	326,496	283,089	304,358
24.	Health care (\$) and other amounts receivable				
25.	Aggregate write-ins for other than invested assets				
26.	Total assets excluding Separate Accounts, Segregated Accounts and				
_0.	Protected Cell Accounts (Lines 12 to 25)	364,519,014	4,393,296	360, 125, 719	334,490,121
27.	From Separate Accounts, Segregated Accounts and Protected Cell				
	Accounts			4, 167, 517, 079	4,076,882,121
28.	Total (Lines 26 and 27)	4,532,036,093	4,393,296	4,527,642,798	4,411,372,242
	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.	Totals (Ellies 1101 allough 1100 plus 1130)(Ellie 11 above)				
2502.					
2503.					
2598.	Summary of remaining write-ins for Line 25 from overflow page				
2599.	Totals (Lines 2501 through 2503 plus 2598)(Line 25 above)				

LIABILITIES, SURPLUS AND OTHER FUNDS

	LIABILITIES, SOITI LOS AND OTTILITO	1 Current Statement Date	2 December 31 Prior Year
	Aggregate reserve for life contracts \$	113,213,981	112,119,806
2. 3.	Aggregate reserve for accident and health contracts (including \$ Modco Reserve)		
	Contract claims: 4.1 Life		
	4.2 Accident and health		
5. 6.	Policyholders' dividends \$		
О.	6.1 Dividends apportioned for payment (including \$		
	6.2 Dividends not yet apportioned (including \$ Modco)		
7.	6.3 Coupons and similar benefits (including \$		
8.	Premiums and annuity considerations for life and accident and health contracts received in advance less		
9.	\$ accident and health premiums Contract liabilities not included elsewhere:	2,672	1,460
J.	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	18,814,749	15,426,898
	9.3 Other amounts payable on reinsurance, including \$	2 255 222	44
	ceded		
10.	Commissions to agents due or accrued-life and annuity contracts \$		
11	\$ and deposit-type contract funds \$ Commissions and expense allowances payable on reinsurance assumed	317,375	306,214
11. 12.	General expenses due or accrued		
13.	Transfers to Separate Accounts due or accrued (net) (including \$(25,938) accrued for expense		
14.	allowances recognized in reserves, net of reinsured allowances)		
15.1	Current federal and foreign income taxes, including \$ on realized capital gains (losses)		
15.2 16.	Net deferred tax liability Unearned investment income		
17.	Amounts withheld or retained by company as agent or trustee		
18.	Amounts held for agents' account, including \$ agents' credit balances		
19. 20.	Remittances and items not allocated	· ·	· ·
21.	Liability for benefits for employees and agents if not included above		
22. 23.	Borrowed money \$ and interest thereon \$ Dividends to stockholders declared and unpaid		
24.	Miscellaneous liabilities:		
	24.01 Asset valuation reserve		
	24.02 Reinsurance in unauthorized companies		
	24.04 Payable to parent, subsidiaries and affiliates	2,612,197	3,078,994
	24.05 Drafts outstanding		
	24.07 Funds held under coinsurance		
	24.08 Derivatives		
	24.10 Payable for securities lending		
	24.11 Capital notes \$ and interest thereon \$		
25. 26.	Aggregate write-ins for liabilities	318,679 174,668,764	387, 166 158, 033, 275
27.	From Separate Accounts Statement		
28.	Total liabilities (Lines 26 and 27)	4,342,185,432	4,234,914,987
29. 30.	Common capital stock Preferred capital stock		
31.	Aggregate write-ins for other than special surplus funds		
32. 33.	Surplus notes Gross paid in and contributed surplus		143 736 01/
34.	Aggregate write-ins for special surplus funds		2,939,419
35. 36.	Unassigned funds (surplus)	39,220,252	27,280,722
30.	Less treasury stock, at cost: 36.1shares common (value included in Line 29 \$)		
	36.2		
37. 38.	Surplus (Total Lines 31+32+33+34+35-36) (including \$	182,957,166 185,457,366	173,957,055 176,457,255
39.	Totals of Lines 28 and 38 (Page 2, Line 28, Col. 3)	4,527,642,798	4,411,372,242
2501.	DETAILS OF WRITE-INS Miscellaneous liabilities	260 172	330 340
2501. 2502.	Funds awaiting escheat	· ·	
2503.	Company of appropriate units in a few line OF from providing page.		
2598. 2599.	Summary of remaining write-ins for Line 25 from overflow page	318,679	387,166
3101.			
3102. 3103.			
3103.	Summary of remaining write-ins for Line 31 from overflow page		
3199.	Totals (Lines 3101 through 3103 plus 3198)(Line 31 above)		
3401. 3402.	Additional deferred tax as allowed by SSAP 10R		
3402.			
3498.	Summary of remaining write-ins for Line 34 from overflow page		
3499.	Totals (Lines 3401 through 3403 plus 3498)(Line 34 above)		2,939,419

SUMMARY OF OPERATIONS

President and carefully provided register and stratic control from the contracts 10			1 1	2	3
To pass			Current Year		
1. Presiduce and annally condestances for life and accident and fresh contracts Consideration is acquirement your control with 16 control president 1,000, 15,00					
2 Observed and the process of the pr	1	Premiums and annuity considerations for life and accident and health contracts		0 000 707	
2. A constitution of investment income		· · · · · · · · · · · · · · · · · · ·			
4. A monotration of interest Numbers and State (1995) 5. Septice the According of the Principal Control of the State (1995) 5. Septice the According of the Principal Control of the State (1995) 6. Commission and displaces as elevations for institution and control of the State (1995) 6. Commission and displaces as elevations for institution and control of the State (1995) 6. Milliodinates (1995) 6. In Items from New State (1995) 8. Appropriate with in the state of control of the State (1995) 8. Appropriate with in the state of control of the State (1995) 8. Appropriate with in the state of control of the State (1995) 8. Appropriate with in the state of control of the State (1995) 8. Appropriate with in the State (1				2 126 075	
5 Seasable Accounts net gain them operation excellency unrealized gains or lesses				,	
6. Commissions and experience alternatives on renarrance sceled (1,10,10,55) (1,50,53)					,
1.1 11 11 11 11 11 11 1	5.	Separate Accounts het gain from operations excluding unrealized gains or losses	1 200 771		E 004 010
8. Honorse into less associated with investment management, administration and command 8. Honorse into less associated with investment management, administration and command 8. Olaphysis and less for expected give contents 8. Olaphysis and less for expect give contents 8. Olaphysis and less for expected give contents 8. Olaphysis and less for expected give contents 9. Total (Lines 1 to 5.) 9.					
8.1 Income from floor, associated with investment management, administration and contract		,	(3,111,025)	(3,934,331)	(6,726,007)
guarantees term Sepanse Accounts	-				
8.2 Charges and feature despensibly per controls: 8.3 Charges and feature despensibly per controls: 8.3 Charges and feature despensibly per controls: 9.3 Till 10 (2) 2.3 Sept. 11 Despensibly control of the contro		8.1 Income from fees associated with investment management, administration and contract	10 150 750	04 040 000	77 400 545
8. Agargation write in the minopliferance incoming. 1. Totals, Chem. 10 (83). 1. Totals, Chem. 10 (83). 1. Totals, Chem. 10 (83). 2. Annually berreffle. 1. Coupton, guarantee annual para endownessed. 1. Totals, Chem. 10 (10) (10) (10) (10) (10) (10) (10) (21,342,988	
9. Totals (Linear 1 to 0.0) Death browning (secularly guaranteed annual pure ordonoments) 3.788 (201 - 3, 788 (2		• • • • • • • • • • • • • • • • • • • •			
10. Death Death Death End acconversion (sociologic guaranteed annual) pure endocemental. 79. doi: 10. 10.		8.3 Aggregate write-ins for miscellaneous income	(398,007)	(234,704)	. , , ,
1.1	9.	Totals (Lines 1 to 8.3)	26,163,763		117, 184, 930
1.1	10.	Death benefits	3,768,023	4,697,065	31,957,664
12. Annuly benefits and benefits under accident and health contents 77, 40, 55 100, 789 20, 533, 784	11.	Matured endowments (excluding guaranteed annual pure endowments)			, ,
13. Describle promities and beamerits under accident and health continues. 77,05. 100,788 28,989 155. Coupting, pages and withdrawals for life contracts. 17,855.444 15,500,522 26,765.471 15,000,522 12,000,775 15,000,522 12,000,775 15,000,522 12,000,775 15,000,522 12,000,775 15,000,522 12,000,775 15,000,522 12,000,775 15,000,522 12,000,775 15,000,522 12,000,775 15,000,522 12,000,775 15,000,522 12,000,775 15,000,522 12,0				971 621	2 533 316
14. Coupons, juvarented annual pure indoverness and similar bornells.					, ,
15 Summarior bounds and withdrawals for life contracts 17, 85, 44 15, 69, 22 15, 69, 22 15, 69, 22 15, 69, 22 15, 69, 22 15, 69, 22 15, 69, 22 15, 69, 22 15, 69, 22 15, 69, 22 15, 69, 22 15, 69, 20 15, 76 100, 77, 75 1				,	*
16. Group conventionists 1.12 1.05					
17. Interest and adjustments on contract or deposit hype contract funds. 1,021, 5,756. 400, 17.1				15,090,522	02,070,427
18. Payments on supplementary contracts with life contingencies 1,984,175 1,595,588 (2):6,709 1,094,175 1,595,588 (2):6,709 1,094,175 1,595,588 (2):6,709 1,094,175 1,595,589 (2):6,709 1,094,175 1,595,589 (2):6,709 1,094,175 1,595,589 (2):6,709 1,094,175 1,595,589 (2):6,709 1,094,175 1,094,17					
10. Increase in appropriate rearwest on file and accident and health contracts				65,745	400,1/1
23.389,000 2,46,311 97,60731 23.389,000 2,46,311 97,60731 24.00	18.	Payments on supplementary contracts with life contingencies			
21 Commissions on premiums, annually considerations, and deposit-type contract funds (direct business or city) expense allowances on neinsurance assumed 2.21 as 2.46 as 31 45.92	19.	Increase in aggregate reserves for life and accident and health contracts			
Description of the Common Co	20.	Totals (Lines 10 to 19)	23,589,000	22,476,311	97,600,781
Description of the Common Co		Commissions on premiums, annuity considerations, and deposit-type contract funds (direct			. ,
22		business only)	861,494	988,789	3,649,437
22 Central Instrumone expenses 2, 217, 322 2, 463, 331 10, 465 822	22.			, '	
24. Increase in loading on defered and uscollected preservations 1,249 1,412 (515 25. Increase in loading on defered and uscollected preservations 1,294 1,724 1,725 (515 26. Net transfers to or (from) Separate Accounts net of reinsurance (1,175 284) 7,724 549 (7,234 549) (7,234 549				2 463 331	10 456 598
25. Not research loading on deferred and uncollected premiums				, ,	
22. Net transfers to or (from) Separate Accounts net of reinsurance					, ,
27. Aggregate with sort deductions 1, 1, 1971 17, 668 55, 1712 17, 668 55, 1712 17, 668 55, 1712 17, 668 55, 1712 17, 668 18, 172 18, 172			1 / / /	, , ,	, ,
28. Not again from operations before dividends to policyholders and federal income taxes (Line 9 minus Line 28) 10, 200, 48 8, 297, 877 30, 962, 986		· · · ·		, , , ,	
Net gain from operations before dividends to policyholders and federal income taxes (Line 9 minus Line 28) 10, 280, 048 8, 587, 872 30, 982, 988 30. Dividends to policyholders and before federal income taxes (Line 29 minus Line 28) 10, 280, 048 8, 587, 872 30, 982, 988 31, 320, 422 32, 320, 320 32, 320, 320 33. Net gain from operations after dividends to policyholders and before federal income taxes and before 1, 280, 428 1, 282, 985 1, 282, 98		55 5			
10.280,046 8.987,872 39.962,982				19,112,994	86,221,942
30 Dividends to policyholders 31 Net gain from operations after dividends to policyholders and bafore federal income taxes (Line 20 mirus Line 30) 10,280,048 8,567,872 30,962,988 32,042,582 30,962,988 32,042,582 33,04	29.				
31 Net gain from operations after dividends to policyholders and before federal income taxes (Line 29 minus Line 30) 10, 280, 048 8, 567, 872 30, 962, 985 32. Federal and foreign income taxes incurred (excluding tax on capital gains) 1, 181, 093 1, 252, 965 1, 300, 422 1, 281, 093 1, 282, 965 1, 300, 422 1, 281, 093 1, 282, 965 1, 300, 423 1, 282, 965 1, 300, 423 1, 282, 965 1, 300, 423 1, 282, 965 1, 300, 423 1, 282, 965 1, 300, 423 1, 282, 965 1, 300, 423 1, 300,		Line 28)	10,280,048	8,587,872	30,962,988
minus Line 30)	30.	Dividends to policyholders.			
32. Federal and foreign income taxes incurred (excluding tax on capital gains) 1,881,093 1,229,955 1,320,422	31.	Net gain from operations after dividends to policyholders and before federal income taxes (Line 29			
32. Federal and foreign income taxes incurred (excluding tax on capital gains) 1,881,093 1,229,955 1,320,422		minus Line 30)	10,280,048	8,587,872	30,962,988
realized capital gains or (tosses) (Line 31 minus Line 32) 3. Not realized capital gains (tosses) (excluding gains (losses) (passes) (gains (losses) (losses) (losses) (losses) (gains (losses)	32.		1,881,093	1,252,965	1,320,422
realized capital gains or (tosses) (Line 31 minus Line 32) 3. Not realized capital gains (tosses) (excluding gains (losses) (passes) (gains (losses) (losses) (losses) (losses) (gains (losses)	33.	Net gain from operations after dividends to policyholders and federal income taxes and before			
34. Net realized capital gains (losses) (oscituding gains (losses) transferred to the IMFI) sex capital gains tax of \$			8,398,955	7,334,907	29,642,566
gains tax of \$	34.	. • , , ,		, ,	, ,
Transferred to the IMR) 18.894 99,701 (429,545) 39. Not income (Line 39 plus Line 34) 6. Capital and surplus. December 31, prior year 7. 434, 668 29,13,024 39. Capital and surplus. December 31, prior year 7. 434, 668 29,13,024 39. Change in net unrealized capital gains (loses) less capital gains tax of \$ 236 439 7,434, 668 29,131,024 39. Change in net unrealized coroling sexhange capital gain (lose) 40. Change in net unrealized foreign exchange capital gain (lose) 41. Change in net deferred income tax 42. Change in net deferred income tax 43. Change in instruction of the surplus of the s					
35. Net income (Line 33 plus Line 34)			118 804	99 701	(420, 541)
Capital and surplus December 31, prior year 176, 457, 255 151, 967, 083 151, 967, 083 37. Net income (Line 35) 8. Change in net urrealized capital gains (losses) less capital gains tax of \$ 2,06 4,39 7,434, 608 29,213, 004 4. Change in net urrealized foreign exchange capital gains tax of \$ 2,06 4,39 7,434, 608 29,213, 004 4. Change in net urrealized foreign exchange capital gains tax of \$ 2,06 4,39 7,434, 608 29,213, 004 4. Change in net deferred income itax (1,482,083) (1,574,212) (6,110,024 4. Change in net deferred income itax (1,482,083) (1,574,212) (6,110,024 4. Change in net official seases (1,482,083) (1,574,212) (6,110,024 4. Change in inability for reinsurance in unauthorized companies (41) (41) (41) (41) (41) (41) (42) (43) (44) (44) (41) (44) (41) (44) (41) (44) (41) (44) (41) (44) (45)	٥٦		.,	,	, , ,
36. Capital and surplus, December 31, prior year 176, 457, 255 151,967,088 151,967,088 37. Net income (Line 35) 8,517,949 7,434,098 29,213,024 38. Change in net unrealized capital gains (losse) 8,517,949 7,434,098 7,434,098 29,213,024 49. 4	35.		8,517,849	7,434,608	29,213,024
37. Net income (Line 35)		CAPITAL AND SURPLUS ACCOUNT			
38. Change in net urnealized capital gains (iosses) less capital gains tax of \$ 236					151,967,083
39. Change in net unrealized foreign exchange capital gain (loss)	37.	Net income (Line 35)	8,517,849	7,434,608	29,213,024
39. Change in net unrealized foreign exchange capital gain (loss)	38.	Change in net unrealized capital gains (losses) less capital gains tax of \$236	439		(49)
40. Change in net deferred income tax					1 1
1. Change in nonadmitted assets 1.830,108 1.720,506 5.280,727					
42. Change in lability for reinsurance in unauthorized companies					
A3. Change in reserve on account of change in valuation basis, (increase) or decrease 133,802 (1,063,039) (2,540,511					
44. Change in asset valuation reserve 133,802 (1,063,039) (2,540,511 45. Change in treasury stock		· ·			, ,
46. Change in treasury stock 46. Surplus (contributed to) withdrawn from Separate Accounts Statement 47. Other changes in surplus in Separate Accounts Statement 48. Change in surplus notes 49. Cumulative effect of changes in accounting principles 50. Capital changes: 50.1 Paid in 50.2 Transferred from surplus (Stock Dividend) 50.3 Transferred to surplus 50.3 Transferred to surplus 51.1 Paid in 51.2 Transferred to capital (Stock Dividend) 51.3 Transferred to ron apital 51.4 Change in surplus as a result of reinsurance 51.1 Paid in 51.2 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 54. Net change in capital and surplus, as of statement date (Lines 36 + 54) 56. Capital and surplus, as of statement date (Lines 36 + 54) 57. DETAILS OF WRITE-INS 58. OETAILS OF WRITE-INS 59. OBJAN SURVINE STATE STAT					
46. Surplus (contributed to) withdrawn from Separate Accounts during period				(1,063,039)	(2,540,511)
48. Change in surplus notes 49. Cumulative effect of changes in accounting principles 50. Capital changes: 50. 1 Paid in 50.2 Transferred from surplus (Stock Dividend) 50.3 Transferred to surplus 51. Surplus adjustment: 51.1 Paid in 51.2 Transferred to capital (Stock Dividend) 51.3 Transferred to capital (Stock Dividend) 51.3 Transferred to capital (Stock Dividend) 51.4 Change in surplus as a result of reinsurance 52. Dividends to stockholders 53. Aggregate write-ins for gains and losses in surplus 54. Net change in capital and surplus for the year (Lines 37 through 53) 55. Capital and surplus, as of statement date (Lines 36 + 54) 56. Capital and surplus, as of statement date (Lines 36 + 54) 57. DETAILS OF WRITE-INS 58. OETAILS OF WRITE-INS 59.303. (559, 373) (437, 184) (1,509, 012, 013, 013, 013, 013, 013, 013, 013, 013		• ,			
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5301. Other changes in surplus	2799.	Totals (Lines 2701 through 2703 plus 2798)(Line 27 above)	(1,901)		65,011
5302. Change in additional deferred tax as allowed by SSAP 10R	5301.	Other changes in surplus			
5303. 5398. Summary of remaining write-ins for Line 53 from overflow page	5302	Change in additional deferred tax as allowed by SSAP 10R			
5398. Summary of remaining write-ins for Line 53 from overflow page				, , ,	, , ,
розея. Totals (Lines 530) through 5303 plus 5396)(Line 53 above) (1.296.740) (1.362.433					
	5399.	rotais (Lines 5301 through 5303 plus 5398)(Line 53 above)		(1,296,740)	(1,362,433)

CASH FLOW

		1 Current Year	2 Prior Year	3 Prior Year Ended
	Cash from Operations	To Date	To Date	December 31
1.	Premiums collected net of reinsurance	6,052,658	7, 162, 490	28,929,823
2.	Net investment income	2,938,979	2,799,899	12,374,611
3.	Miscellaneous income	24,908,673	7,907,116	49,766,569
4.	Total (Lines 1 to 3)	33,900,310	17,869,505	91,071,003
5.	Benefit and loss related payments	24,653,054	21,434,748	93,682,463
6.	Net transfers to Separate Accounts, Segregated Accounts and Protected Cell Accounts	(16,347,222)	(12,101,071)	(35,909,764
7.	Commissions, expenses paid and aggregate write-ins for deductions	3,922,461	3,203,877	14, 141,817
8.	Dividends paid to policyholders			
9.	Federal and foreign income taxes paid (recovered) net of \$0 tax on capital			
	gains (losses)		(252,354)	3,069,168
10.	Total (Lines 5 through 9)	12,228,293	12,285,200	74,983,684
11.	Net cash from operations (Line 4 minus Line 10)	21,672,017	5,584,305	16,087,319
	Cash from Investments			
12.	Proceeds from investments sold, matured or repaid:			
12.	12.1 Bonds	7 579 110	7 500 449	24 072 044
	12.2 Stocks			
	12.3 Mortgage loans			724 106
	12.4 Real estate	·		
	12.5 Other invested assets			
	12.6 Net gains or (losses) on cash, cash equivalents and short-term investments			
	12.7 Miscellaneous proceeds			222
	12.8 Total investment proceeds (Lines 12.1 to 12.7)		7 705 612	24 700 272
10	Cost of investment proceeds (Lines 12.1 to 12.7) Cost of investments acquired (long-term only):	7,709,003	7,705,015	24,190,212
13.		251 490	162 116	61,177,829
	13.1 Bonds			
	13.2 Stocks			1 005
	13.3 Mortgage loans			1,985
	13.4 Real estate			
	13.5 Other invested assets		(0, 400, 000)	
	13.6 Miscellaneous applications	050 400	(2,499,298)	C1 170 014
	13.7 Total investments acquired (Lines 13.1 to 13.6)	352,103	(2,336,182)	61, 179, 814
14.	Net increase (or decrease) in contract loans and premium notes	252,479	312,010	(442,339
15.	Net cash from investments (Line 12.8 minus Line 13.7 and Line 14)	7,104,421	9,729,785	(35,939,203
	Cash from Financing and Miscellaneous Sources			
16.	Cash provided (applied):			
	16.1 Surplus notes, capital notes			
	16.2 Capital and paid in surplus, less treasury stock			
	16.3 Borrowed funds			
	16.4 Net deposits on deposit-type contracts and other insurance liabilities	945,054	317,898	250,678
	16.5 Dividends to stockholders			
	16.6 Other cash provided (applied)	46,057	44,544	(177,559
17.	Net cash from financing and miscellaneous sources (Line 16.1 through Line 16.4 minus Line 16.5 plus Line 16.6)	991,111	362,442	73,119
	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)	29,767,549	15,676,532	(19,778,765
19.	Cash, cash equivalents and short-term investments:		, 5, 5, 5, 5, 5	
	19.1 Beginning of year	12,383,390	32, 162, 155	32 , 162 , 155
	19.2 End of period (Line 18 plus Line 19.1)	42,150,939	47,838,687	12,383,390

Note: Supplemental disclosures of cash flow information for no	n-cash transactions:

Note: Supplemental discrete of sach new information for non-sach transactions:			
20.0001. Bond conversions and refinancing	351, 158	163,116	862,209
20.0002. Interest capitalization for long-term debt	322		11, 109
20.0003.			

EXHIBIT 1

DIRECT PREMIUMS AND DEPOSIT-TYPE CONTRACTS

	DIRECT PREMIUMS AND DEPOSIT-TYPE O	ONTRACTS		
		1 Current Year To Date	2 Prior Year To Date	3 Prior Year Ended December 31
1.	Industrial life			
2.	Ordinary life insurance	12,103,151	13,271,824	52,687,025
3.	Ordinary individual annuities	5,785	6,893	31,048
4.	Credit life (group and individual)			
5.	Group life insurance	(3,387,851)	(3,319,677)	(768,970)
6.	Group annuities			
7.	A & H - group			
8.	A & H - credit (group and individual)			
9.	A & H - other			
10.	Aggregate of all other lines of business			
11.	Subtotal	8,721,085	9,959,040	51,949,103
12.	Deposit-type contracts			
13.	Total	8,721,085	9,959,040	51,949,103
	DETAILS OF WRITE-INS			
1001.				
1002.				
1003.				
1098.	Summary of remaining write-ins for Line 10 from overflow page			
1099.	Totals (Lines 1001 through 1003 plus 1098)(Line 10 above)			

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- Note 34 Separate Accounts
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- Note 36 Impairment Listing for Loan-Backed and Structured Securities

Note 1 – Summary of Significant Accounting Policies

- MML Bay State Life Insurance Company (the Company) recognizes statutory accounting practices prescribed or permitted by the State of Connecticut Insurance Department (the Department) for determining and reporting the financial condition and results of operations of an a. 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 Department. 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.
- Use of estimates in the preparation of the financial statements No significant changes b.
- Accounting policy No significant changes

Accounting Changes and Corrections of Errors Note 2 -

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. There were no corrections of prior year errors for the three months ended March 31, 2012. For the three months ended March 31, 2011, the Company recorded a net decrease to surplus of \$1 million related to policyholders'

Certain 2011 balances 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, companies are required to disclose purchases, sales, issuances and settlements on a gross basis for fair value measurement categorized in Level 3 of the fair value hierarchy. These new requirements were effective January 1, 2012. The adoption of the other requirements of this guidance did not have a significant impact on the Company's financial statements.

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 Risk Based Capital (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 (DTLs) 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 - No significant changes

Discontinued Operations Note 4

The Company did not have any discontinued operations.

Note 5 Investments

- Mortgage loans No significant changes a.
- Debt restructuring No significant changes b.
- Reverse mortgages No significant changes C.
- d. Loan-backed and structured securities:
 - No significant changes
 - The following information regarding loan-backed and structured securities provides the disclosures required for (2) through (5):

Loan-backed and structured securities recognized other-than-temporary impairments (OTTI) totaling less than \$1 million for the three months ended March 31, 2012 and 2011.

As of March 31, 2012, investments in structured and loan-backed securities that had unrealized losses, which were not recognized in earnings, had a fair value of \$32 million. Securities in an unrealized loss position for less than 12 months had a fair value of \$24 million and unrealized losses of \$1 million. Securities in an unrealized loss position greater than 12 months had a fair value of \$8 million and unrealized losses of \$1 million. These securities were categorized as industrial and miscellaneous.

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.

- e. Repurchase agreements - No significant changes
- f. Real estate - No significant changes
- Low Income Housing Tax Credit (LIHTC) properties No significant changes g.

Joint Ventures, Partnerships and LLCs - No significant changes **Investment Income** - No significant changes Note 6

Note 7

Note 8 **Derivative Instruments** - No significant changes

Income Taxes Note 9

As discussed in Note 2b "Adoption of new accounting standards", the Company implemented a new standard in 2012 pertaining to a. 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 was no cumulative effect of adopting this standard.

<u>Note 10 – Information Concerning Parent, Subsidiaries and Affiliates</u> - No significant changes <u>Note 11 – Debt</u> - No significant changes

Retirement Plans, Deferred Compensation, Postemployment Benefits and Compensated Absences and Other Postretirement <u>Note</u> 12 Benefit Plans - No significant changes

Capital and Surplus, Shareholders' Dividend Restrictions and Quasi-Reorganizations - No significant changes

Note 14 – Contingencies

- Contingent commitments No significant changes a.
- b.
- Assessments No significant changes Gain contingencies No significant changes C.
- d. Claims related to extra contractual obligations - No significant changes
- e. All other contingencies:

The Company is involved from time to time 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.

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 United States (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.

Leases - No significant changes Note 15

Note 16 - Information About Financial Instruments With Off-Balance Sheet Risk and Financial Instruments With Concentrations of <u>Credit Risk</u> - No significant changes

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

- Transfers of receivables reported as sales No significant changes a.
- Transfer and servicing of financial assets No significant changes b.
- Wash sales: c.
 - In the course of the Company's investment management activities, securities may be sold and reacquired within 30 days of the (1) sale date to enhance the Company's yield on its investment portfolio.
 - The Company did not sell any securities with the NAIC Designation 3 or below for the three months ended March 31, 2012 that were reacquired within 30 days of the sale date.

March 31, 2012

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

<u>Direct Premium Written/Produced By Managing General Agents/Third Party Administrators</u> - No significant changes Note 19 Note 20 – Fair Value Measurements

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

	Carr	ying	Fa	air						
	Va	lue	Va	lue	Le	vel 1	Le	evel 2	Lev	vel 3
					(ln M	lillions)				
Financial assets:										
Bonds										
U. S. government and agencies	\$	4	\$	4	\$	-	\$	4	\$	-
Industrial and miscellaneous		163		169		-		149		20
Parent, subsidiaries and affiliates		7		7		-		7		-
Mortgage loans - residential		6		6		-		-		6
Cash, cash equivalents and										
short-term investments		42		42		(1)		43		-
Financial liabilities:										
Investment-type insurance contracts										
Individual annuity investment contracts		3		3		-		-		3
Supplementary investment contracts		3		3		-		-		3

For the period ended March 31, 2012, there were no significant changes to the Company's valuation techniques.

The following presents the Company's fair value hierarchy for financial instruments carried at fair value:

	March 31, 2012									
	Lev	el 1	Le	vel 2	Level 3		Т	otal		
			(In Millions)							
Financial assets:								_		
Cash equivalents and										
short-term investments (1)	\$	-	\$	43	\$	-	\$	43		
Separate account assets (2)		816		2,323		-		3,139		
Total financial assets carried										
at fair value	\$	816	\$	2,366	\$	-	\$	3,182		

⁽¹⁾ Does not include cash less than \$1 million.

For the period ended March 31, 2012 there were no transfers between Level 1 and Level 2.

The Company did not have any Level 3 financial instruments that are carried at fair value as of March 31, 2012.

Note 21 Other Items

- Extraordinary items No significant changes
- b. Troubled debt restructuring - No significant changes
- c. Other Disclosures - No significant changes
- Reasonably possible uncollectible balances No significant changes d.
- Business interruption insurance recoveries No significant changes State transferable tax credits No significant changes e.
- f.
- Subprime mortgage related risk exposure: g.
 - (1 2) No significant changes
 - (3) Direct exposure through other investments:

Residential mortgage-backed securities risk exposure:

As of March 31, 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:

March 31. March 31, 2012 2012 Actual Fair Carrying Alt-A: Value OTTI Cost Value (In Millions) a. Residential mortgage-backed securities 6 \$ \$ 9 6 \$ b. Commercial mortgage-backed securities Collateralized debt obligations d. Structured securities e. Equity investment in subsidiary and controlled affiliates Other assets 9 6 Total \$ 6 \$ \$

> Three Months Ended March 31,

> Three Months Ended

		March 31, 2012						2012	
		Actu	ıal	Carry	ing	Fai	r		
	Subprime:	Cos	st	Valu	ıe	Valu	ıe	OTTI	
					(In I	Villions)			
a.	Residential mortgage-backed securities	\$	6	\$	3	\$	3	\$	-
b.	Commercial mortgage-backed securities		-		-		-		-
c.	Collateralized debt obligations		-		-		-		-
d.	Structured securities		-		-		-		-
e.	Equity investment in subsidiary and controlled								
	affiliates		-		-		-		-
f.	Other assets		-		-		-		-
g.	Total	\$	6	\$	3	\$	3	\$	-

 $^{^{(2)}}$ \$999 million of book value separate account assets and \$29 million of market value separate account assets are not carried at fair value and therefore, not included in this table.

			De	cember	31, 201	1		Year Ende December 3 2011	-
		Actu	ıal	Carry	ing	Fa	ir		
	Alt-A:	Cos	Cost Value		Valu	ue	OTTI		
					(ln l	Millions)			
a.	Residential mortgage-backed securities	\$	9	\$	7	\$	6	\$	(1)
b.	Commercial mortgage-backed securities		-		-		-		-
c.	Collateralized debt obligations		-		-		-		-
d.	Structured securities		-		-		-		-
e.	Equity investment in subsidiary and controlled								
	affiliates		-		-		-		-
f.	Other assets		-		-		-		-
g.	Total	\$	9	\$	7	\$	6	\$	(1)

Year Ended

		Actu		cember : Carry		1 Fai	ir	December 3 2011	i1,
	Subprime:	Cos	st	Valu		Valu Millions)	re	ОТТІ	
a.	Residential mortgage-backed securities	\$	7	\$	3	\$	3	\$	-
b.	Commercial mortgage-backed securities		-		-		-		-
c.	Collateralized debt obligations		-		-		-		-
d.	Structured securities		-		-		-		-
e.	Equity investment in subsidiary and controlled								
	affiliates		-		-		-		-
f.	Other assets		-		-		-		-
g.	Total	\$	7	\$	3	\$	3	\$	-

- (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. While housing fundamentals began stabilizing in late 2009 and in 2010, the housing market showed signs of renewed pressure through most of 2011. As of now, housing prices are near their April 2009 lows. Liquidation rates and foreclosure resolutions remain low but management is starting to see 'cash buyers' come in to buy homes as they sense the bottom is at hand. Liquidity for securities was weak for most of 2011, as supply concerns and weak fundamentals weighed on the market. Some of this concern abated in first quarter of 2012 but market liquidity is still vulnerable.

The first quarter of 2012 saw a more positive tone in European markets following significant liquidity injections by the European Central Bank. Underlying concerns over the macroeconomic outlook and debt burden of certain parts of the Eurozone still remain, 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 March 31, 2012, the Company's general account held securities issued by entities domiciled within Ireland and Spain which collectively accounted for less than 1% of invested assets. These holdings are comprised of investment grade-rated (NAIC) debt securities issued by domestic utilities and corporations with large global operations. Within these countries, the Company did not hold any sovereign debt or domestic bank-issued securities. The Company did not hold any corporate or government-issued securities from Greece, Italy or Portugal in its general account.

Note 22 - Events Subsequent

The Company has evaluated subsequent events through May 9, 2012, the date the financial statements were available to be issued.

In April 2012, the Company notified two reinsurance companies that, in the second quarter 2012, it plans to recapture three yearly renewable term reinsurance treaties. These treaties represent approximately 25% of the Company's total ceded premium and reserves.

No additional events have occurred subsequent to the balance sheet date and before the date of evaluation that would require disclosure.

Note 23	8 – Reinsura	nce - No siai	nificant changes

Note 24 – Retrospectively Rated Contracts and Contracts Subject to Redetermination - No significant changes
Note 25 – Change in Incurred Losses and Loss Adjustment Expenses - No significant changes
Note 26 – Intercompany Pooling Arrangements - No significant changes
Note 27 – Structured Settlements - No significant changes

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 - No significant changes

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

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

Note 34 – Separate Accounts - No significant changes

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

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
March 31, 2012	\$ 3,900,635.45	\$ -	\$ 3,900,635.45	\$ 3,788,244.00	\$ (112,391.45)	\$ 3,788,244.00	\$ 3,066,813.39
December 31, 2011	3,900,657.97	20	3,900,657.97	3,740,566.23	(160,091.74)	3,740,566.23	3,217,415.48
September 30, 2011	2,070,736.56	W .	2,070,736.56	2,014,120.98	(56,615.58)	2,014,120.98	1,664,098.87
June 30, 2011	4,933,708.07		4,933,708.07	4,626,546.26	(307,161.81)	4,626,546.26	3,860,445.21
March 31, 2011	3,031,095.16		3,031,095.16	2,949,182.01	(81,913.15)	2,949,182.01	2,370,633.14
December 31, 2010	2,843,612.77	20	2,843,612.77	2,795,485.61	(48,127.16)	2,795,485,61	2,189,660.73
September 30, 2010	3,666,522.50	¥ .	3,666,522.50	3,544,040.19	(122,482.31)	3,544,040.19	2,935,439.96
June 30,2010	2,331,449.06		2,331,449.06	2,200,016.30	(131,432.76)	2,200,016.30	1,658,548.15
March 31, 2010	3,606,733.30		3,606,733.30	3,269,443.64	(337,289.66)	3,269,443.64	2,259,716.96
December 31, 2009	4,888,306.08		4,888,306.08	4,101,772.99	(786,533,09)	4,101,772.99	2,994,613.30
September 30, 2009	10,338,098.79	207,960.30	10,546,059.09	9,768,287.29	(777,771.80)	9,768,287.29	6,661,983.49
Totals	\$ 45,511,555.71	\$ 207,960.30	\$ 45,719,516.01	\$ 42,797,705.50	\$ (2,921,810.51)	\$ 42,797,705.50	\$ 32,879,368.68

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

CUSIPS	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
07325YAB4	\$ 410,142.60	\$ -	\$ 410,142.60	\$ 379,387.96	\$ (30,754.64)	\$ 379,387.96	\$ 172,681.54
1248RHAD9	530,737.46	S	530,737.46	507,320.20	(23,417,26)	507,320.20	340,418.00
12667GS20	208,987.00		208,987.00	202,305.58	(6,681.42)	202,305.58	160,858.67
12667GWF6	247,905.38	8 9	247,905.38	239,838.87	(8,066.51)	239,838.87	204,925.34
12669FW82	74,815.10		74,815,10	74,185.13	(629,97)	74,185.13	59,409.49
22540VG71	23,485.87	8 8	23,485.87	23,430.11	(55.76)	23,430.11	22,705.91
23332UAC8	59,401.12		59,401.12	58,244.58	(1,156.54)	58,244.58	45,149.21
251510FB4	92,233.64	8 9	92,233.64	84,863.73	(7,369.91)	84,863.73	69,059.95
41161PFR9	55,897.01		55,897.01	53,947.93	(1,949.08)	53,947.93	48,545.15
41161PQU0	280,074.55	ğ	280,074.55	278,496.68	(1,577.87)	278,496.68	209,699.32
41161PSK0	151,256.70		151,256.70	150,154.43	(1,102.27)	150,154.43	109,124.62
45254NPU5	192,140.18	9 9	192,140.18	183,764.05	(8,376.13)	183,764.05	148,689.45
45660NQ24	37,861.41		37,861.41	37,292.96	(568,45)	37,292.96	30,674.51
68383NCA9	287,067.53	ğ <u>Şi</u>	287,067.53	272,302.44	(14,765.09)	272,302.44	245,539.87
76110GG62	504,889.65	1 9	504,889.65	504,521.24	(368.41)	504,521.24	493,013.57
76110GV40	393,801.77	ğ <u>9</u> 1	393,801.77	390,324.35	(3,477.42)	390,324.35	393,737.28
76110GZQ7	283,924.15	1 8	283,924.15	283,608.53	(315.62)	283,608.53	257,644.32
92922FNW4	66,014.33	ğ.,, 21	66,014.33	64,255.23	(1,759.10)	64,255.23	54,937.19
Totals	\$ 3,900,635.45	\$ -	\$ 3,900,635.45	\$ 3,788,244.00	\$ (112,391.45)	\$ 3,788,244.00	\$ 3,066,813.39

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

CUSIPS	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
06050HKX5	\$ 51,017.44	\$ -	\$ 51,017.44	\$ 29,032.93	\$ (21,984.51)	\$ 29,032.93	\$ 35,662.25
12667GS20	220,382.68	(9)	220,382.68	215,434.94	(4,947.74)	215,434.94	141,763.75
12667GWF6	272,227.93	S 726	272,227.93	255,004.43	(17,223.50)	255,004.43	172,870.88
152314MJ6	240,867.90	(9)	240,867.90	195,062.66	(45,805.24)	195,062.66	205,639.80
22540VG71	24,144.61	5 726	24,144.61	23,892.44	(252.17)	23,892.44	23,066.42
23332UAC8	62,270.57	(9)	62,270.57	60,575.18	(1,695.39)	60,575.18	40,839.01
41161PFR9	59,402.54	S 726	59,402.54	59,223.69	(178.85)	59,223.69	47,324.43
41161PQU0	298,031.66	(<u>0</u>)	298,031.66	290,248.64	(7,783.02)	290,248.64	198,451.48
41161PSK0	156,889.45	S 728	156,889.45	154,301.19	(2,588.26)	154,301.19	116,566.01
45254NPU5	201,367.77	(9)	201,367.77	195,146.89	(6,220.88)	195,146.89	154,664.98
45660LCN7	101,750.29	S. 726	101,750.29	99,330.85	(2,419.44)	99,330.85	80,643.92
45660NQ24	38,699.82	(<u>0</u>)	38,699.82	38,694.38	(5.44)	38,694.38	28,394.03
589929X29	397,423.84	S 726	397,423.84	396,229.47	(1,194.37)	396,229.47	332,683.88
76110GE23	441,834.01	(9)	441,834.01	436,308.43	(5,525.58)	436,308.43	402,975.43
76110GG62	517,560.45	5 726	517,560.45	514,464.57	(3,095.88)	514,464.57	502,419.26
76110GV40	423,503.74	(<u>0</u> 0)	423,503.74	402,058.78	(21,444.96)	402,058.78	398,945.92
76110GZQ7	307,245.86	S 726	307,245.86	296,240.28	(11,005.58)	296,240.28	270,023.78
86359AEH2	15,953.65	190	15,953.65	10,562.07	(5,391.58)	10,562.07	11,925.89
92922FNW4	70,083.76	Sec. 226	70,083.76	68,754.41	(1,329.35)	68,754.41	52,554.36
Totals	\$ 3,900,657.97	\$ -	\$ 3,900,657.97	\$ 3,740,566.23	\$ (160,091.74)	\$ 3,740,566.23	\$ 3,217,415.48

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

CUSIPS	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
06050HKX5	\$ 73,054.33	\$	\$ 73,054.33	\$ 51,541.03	\$ (21,513.30)	\$ 51,541.03	\$ 35,591.62
12667GS20	237,058.73	225	237,058.73	225,678.51	(11,380.22)	225,678.51	148,133.23
12667GWF6	293,988.28	S 0=0	293,988.28	283,443.39	(10,544.89)	283,443.39	195,539.90
12669FW82	79,851.70	12.5	79,851.70	79,231.97	(619.73)	79,231.97	64,154.15
22540VG71	24,448.70	S 0=0	24,448.70	24,363.07	(85.63)	24,363.07	23,249.86
22540VY55	24,708.05	725	24,708.05	24,419.97	(288.08)	24,419.97	20,005.77
251510FB4	98,308.52	3 n=n	98,308.52	96,817.16	(1,491.36)	96,817.16	78,739.20
41161PFR9	60,780.44	72.5	60,780.44	60,357.37	(423.07)	60,357.37	49,165.34
41161PSK0	163,858.19	8 8-0	163,858.19	163,112.74	(745.45)	163,112.74	125,268.00
45254NPU5	207,179.28	725	207,179.28	204,146.14	(3,033.14)	204,146.14	156,143.79
45660NQ24	39,488.75	S 0=0	39,488.75	38,913.01	(575.74)	38,913.01	29,308.54
65106FAG7	20,164.26	725	20,164.26	15,722.89	(4,441.37)	15,722.89	58,370.00
76110GV40	434,540.54	8-9	434,540.54	433,536.95	(1,003.59)	433,536.95	407,928.52
76110GZQ7	313,306.79	223	313,306.79	312,836.78	(470.01)	312,836.78	272,500.95
Totals	\$ 2,070,736.56	\$	\$ 2,070,736.56	\$ 2,014,120.98	\$ (56,615.58)	\$ 2,014,120.98	\$ 1,664,098.87

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

CUSIPS	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
06050HKX5	\$ 77,717.59	\$	\$ 77,717.59	\$ 73,955.07	\$ (3,762.52)	\$ 73,955.07	\$ 37,632.77
1248RHAD9	591,061.86	223	591,061.86	512,305.02	(78,756.84)	512,305.02	353,044.00
12667GR62	161,682.89	Z 20±0	161,682.89	159,026.49	(2,656.40)	159,026.49	117,046,98
12667GS20	250,118.17	223	250,118.17	242,958.52	(7,159.65)	242,958.52	163,151.18
12667GWF6	322,424.45	Z 2=0	322,424.45	301,471,41	(20,953.04)	301,471.41	228,660.11
12669FVD2	104,454.41	[%¥8	104,454.41	98,456.96	(5,997.45)	98,456.96	100,554.18
12669FW82	84,076.32	Z 0.±0	84,076.32	80,839,23	(3,237.09)	80,839,23	64,797.26
41161PFR9	62,597.15	223	62,597.15	61,111.04	(1,486.11)	61,111.04	53,862.17
41161PQU0	313,915.99	Z 2=3	313,915.99	310,455.45	(3,460.54)	310,455.45	247,325.41
41161PSK0	167,162.20	[%¥8	167,162.20	166,560.42	(601.78)	166,560.42	133,267.80
45254NPU5	218,282.82	2 es	218,282.82	210,403.94	(7,878.88)	210,403.94	158,644.92
45660NQ24	40,397.65	[235	40,397.65	39,889.06	(508.59)	39,889.06	32,443.68
61750FAE0	107,982.99	Z 2=3	107,982.99	101,558.28	(6,424.71)	101,558.28	92,154.75
76110GE23	457,357.04	[457,357.04	451,735.74	(5,621.30)	451,735.74	383,775.05
76110GV40	474,244.05	2 es	474,244.05	449,742.81	(24,501.24)	449,742.81	423,776.28
76110GZQ7	330,886.88	[P.E.S	330,886.88	328,537.26	(2,349.62)	328,537.26	285,305.89
76110GZR5	240,945.04	Z 2=0	240,945.04	197,837.05	(43,107.99)	197,837.05	203,958.57
80557BAC8	558,983.94	[558,983.94	526,365.30	(32,618.64)	526,365.30	473,890.00
86358RA23	298,143.06	(i es	298,143.06	294,253.56	(3,889.50)	294,253.56	257,460.78
86358RL88	46,923.25	223	46,923.25	12,038.89	(34,884.36)	12,038.89	25,347.07
86358RUQ8	24,350.32	i e=s	24,350.32	7,044.76	(17,305.56)	7,044.76	24,346.36
Totals	\$ 4,933,708.07	\$ -	\$ 4,933,708.07	\$ 4,626,546.26	\$ (307,161.81)	\$ 4,626,546.26	\$ 3,860,445.21

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

CUSIPS	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
06050HKX5	\$ 82,430.64	\$ -	\$ 82,430.64	\$ 78,392.02	\$ (4,038.62)	\$ 78,392.02	\$ 38,846.52
12667GR62	177,163.99	49	177,163.99	167,530.70	(9,633.29)	167,530.70	127,621.81
12667GS20	262,061.96	+8	262,061.96	258,101.70	(3,960.26)	258,101.70	172,746.21
12667GWF6	339,824.83	20	339,824.83	332,867.15	(6,957.68)	332,867.15	237,627.68
12669FW82	86,178.33	+8	86,178.33	85,646.27	(532.06)	85,646.27	56,691.26
152314MJ6	323,305.82	27	323,305.82	295,615.48	(27,690.34)	295,615.48	286,569.23
41161PQU0	329,014.36	+8	329,014.36	320,042.04	(8,972.32)	320,042.04	261,097.24
45254NPU5	223,644.86	29	223,644.86	222,401.73	(1,243.13)	222,401.73	163,297.34
61750FAE0	112,606.25	+8	112,606.25	106,763.14	(5,843.11)	106,763.14	101,893.00
68383NCA9	330,251.70	29	330,251.70	324,130.81	(6,120.89)	324,130.81	235,327.37
76110GV40	489,041.93	+8	489,041.93	487,830.33	(1,211.60)	487,830.33	434,867.33
76110GZR5	246,682.90	200 400	246,682.90	245,366.81	(1,316.09)	245,366.81	228,956.83
86358RUQ8	28,887.59	+8	28,887.59	24,493.83	(4,393.76)	24,493.83	25,091.32
Totals	\$ 3,031,095.16	\$ -	\$ 3,031,095.16	\$ 2,949,182.01	\$ (81,913.15)	\$ 2,949,182.01	\$ 2,370,633.14

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
12667GR62	\$ 188,017.70	\$ -	\$ 188,017.70	\$ 180,339.62	\$ (7,678.08)	\$ 180,339.62	\$ 132,490.63
12667GS20	276,335.44		276,335.44	272,206.94	(4,128.50)	272,206.94	178,434.19
12667GWF6	352,694.28	9	352,694.28	348,907.42	(3,786.86)	348,907.42	253,132.08
41161PFR9	66,893.84		66,893.84	66,857.20	(36.64)	66,857.20	52,383.83
41161PQU0	349,784.52		349,784.52	337,936.44	(11,848.08)	337,936.44	252,777.23
45254NPU5	231,028.25	9.	231,028.25	229,395.42	(1,632.83)	229,395.42	167,356.60
45660LCN7	124,469.55	8	124,469.55	118,097.88	(6,371.67)	118,097.88	93,323.79
61750FAE0	112,613.40		112,613.40	112,307.99	(305.41)	112,307.99	101,696.75
68383NCA9	344,668.84	2	344,668.84	344,136.56	(532.28)	344,136.56	242,356.48
76110GV40	501,971.79	4	501,971.79	500,911.13	(1,060.66)	500,911.13	445,205.17
76110GZR5	257,287.83	. 8	257,287.83	255,047.45	(2,240.38)	255,047.45	245,588.19
86358RUQ8	37,847.33		37,847.33	29,341.56	(8,505.77)	29,341.56	24,915.79
Totals	\$ 2,843,612.77	\$ -	\$ 2,843,612.77	\$ 2,795,485.61	\$ (48,127.16)	\$ 2,795,485.61	\$ 2,189,660.73

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
05948JAA0	\$ 6,694.15	\$,	\$ 6,694.15	\$ 6,424.55	\$ (269.60)	\$ 6,424.55	\$ 5,172.18
06050HKY3	1,744.67	29	1,744.67	1,260.76	(483.91)	1,260.76	28,892.43
12667GR62	197,432.80	+6	197,432.80	193,481.68	(3,951.12)	193,481.68	131,786.60
12667GS20	288,829.72	29	288,829.72	284,748.85	(4,080.87)	284,748.85	176,676.64
12667GWF6	388,554.95	f::	388,554.95	356,180.26	(32,374.69)	356,180.26	237,504.74
12669EH33	20,722.94	29	20,722.94	19,482.30	(1,240.64)	19,482.30	17,368.51
12669FW82	93,926.76	+:	93,926.76	90,384.29	(3,542.47)	90,384.29	60,989.79
22540VG71	26,311.24	29	26,311.24	26,015.09	(296.15)	26,015.09	24,400.18
22541NFL8	337,698.01	fit	337,698.01	342,575.15	4,877.14	342,575.15	383,854.56
23332UAC8	75,417.48	237	75,417.48	74,660.80	(756.68)	74,660.80	51,347.86
251510FB4	118,057.35	15	118,057.35	110,106.59	(7,950.76)	110,106.59	92,394.80
41161PQU0	368,748.24	237	368,748.24	355,633.54	(13,114.70)	355,633.54	245,135.48
45254NKD8	692.12	f8	692.12		(692.12)		100 A
45254NPU5	240,878.77	237	240,878.77	236,289.36	(4,589.41)	236,289.36	170,829.40
45660LCN7	130,584.00	f::	130,584.00	128,448.77	(2,135.23)	128,448.77	81,236.33
45660NT96	9,163.02	227	9,163.02	9,018.92	(144.10)	9,018.92	7,221.00
589929X29	527,194.43	+:	527,194.43	492,749.66	(34,444.77)	492,749.66	426,365.50
68383NCA9	361,702.90	237	361,702.90	358,656.40	(3,046.50)	358,656.40	250,474.53
76110GZR5	264,370.47	+s	264,370.47	263,313.00	(1,057.47)	263,313.00	259,259.95
79549AYA1	131,269.79	237	131,269.79	120,401.81	(10,867.98)	120,401.81	130,702.00
86358RLG0	4,711.47	15	4,711.47	3,445.64	(1,265.83)	3,445.64	13,891.64
86359AEH2	17,501.08	20	17,501.08	17,491.24	(9.84)	17,491.24	84,460.15
86359ANH2	54,316.14	18	54,316.14	53,271.53	(1,044.61)	53,271.53	55,475.69
Totals	\$ 3,666,522.50	\$ -	\$ 3,666,522.50	\$ 3,544,040.19	\$ (122,482.31)	\$ 3,544,040.19	\$ 2,935,439.96

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
12667GWF6	\$ 388,945.85	\$ -	\$ 388,945.85	\$ 383,588.88	\$ (5,356.97)	\$ 383,588.88	\$ 195,107.45
12669EH33	21,077.49		21,077.49	20,481.30	(596.19)	20,481.30	15,744.79
12669FW82	95,325.75	207	95,325.75	94,312.57	(1,013.18)	94,312.57	69,551.17
251510FB4	124,752.41	₹0	124,752.41	118,770.49	(5,981.92)	118,770.49	93,591.72
589929X29	523,837.75	277	523,837.75	522,722.69	(1,115.06)	522,722.69	349,167.18
76110GV40	534,433.02	€(534,433.02	526,241.37	(8,191.65)	526,241.37	478,513.02
76110GZR5	276,725.79	207	276,725.79	267,642.14	(9,083.65)	267,642.14	256,496.32
79549AYA1	153,256.29	₹((153,256.29	136,811.06	(16,445.23)	136,811.06	85,528.75
86358RLG0	20,536.97	207	20,536.97	7,659.09	(12,877.88)	7,659.09	14,025.96
86358RUQ8	38,843.48	- FO	38,843,48	38,391.98	(451.50)	38,391.98	23,586.48
86359AEH2	98,791.17	207	98,791.17	28,920.03	(69,871.14)	28,920.03	22,078.77
86359ANH2	54,923.09	₹((54,923.09	54,474.70	(448.39)	54,474.70	55,156.54
Totals	\$ 2,331,449,06	\$	\$ 2,331,449.06	\$ 2,200,016.30	\$ (131,432.76)	\$ 2,200,016.30	\$ 1,658,548.15

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
05948JAA0	\$ 6,843.02	\$	\$ 6,843.02	\$ 6,737.55	\$ (105.47)	\$ 6,737.55	\$ 4,909.81
06050HKX5	96,122.63	-E(96,122.63	84,523.93	(11,598.70)	84,523.93	45,908.59
06050HKY3	81,424.31	277	81,424.31	3,200.94	(78,223.37)	3,200.94	25,340.60
12667GR62	215,955.51	¥00	215,955,51	207,412.30	(8,543.21)	207,412.30	129,617.85
12667GS20	304,489.89	277	304,489.89	296,921.41	(7,568.48)	296,921.41	171,538.40
12667GWF6	425,337.18	¥0	425,337.18	406,372.47	(18,964.71)	406,372.47	203,178.44
12669EH33	24,313.40	277	24,313.40	24,090.81	(222.59)	24,090.81	18,403.05
12669FW82	102,366.14	¥00	102,366.14	98,230.33	(4,135.81)	98,230.33	70,949.48
22540VG71	29,592.14	277	29,592.14	27,697.74	(1,894.40)	27,697.74	24,225.07
22541NFL8	400,752.47	¥00	400,752.47	361,974.31	(38,778.16)	361,974,31	373,101.78
23332UAC8	83,022.50	277	83,022.50	79,790.89	(3,231.61)	79,790.89	52,486.30
251510FB4	133,995.12	¥00	133,995,12	131,441.97	(2,553.15)	131,441.97	100,874.68
41161PQU0	387,292.05	277	387,292.05	379,715.70	(7,576.35)	379,715.70	241,635.95
45254NKD8	95,835.40	¥00	95,835.40	94,293.56	(1,541.84)	94,293.56	78,754.85
45254NPU5	256,989.37	207	256,989.37	256,422.74	(566.63)	256,422.74	171,655.76
45660LCN7	152,222.81	¥00	152,222.81	138,074.61	(14,148.20)	138,074,61	80,941.57
45660NT96	11,603.17	107	11,603,17	9,872.61	(1,730.56)	9,872.61	6,802.14
576433GW0	71,414.89	¥10	71,414.89	32,166.12	(39,248.77)	32,166.12	21,801.90
669884AF5	997.49	277	997.49	892.47	(105.02)	892.47	2,522.34
68383NCA9	390,026.01	¥0	390,026.01	387,656.96	(2,369.05)	387,656.96	267,649.61
79549AYA1	184,513.43	277	184,513,43	158,622.29	(25,891.14)	158,622.29	86,161.19
86358RLG0	59,896.66	¥10	59,896.66	24,498.54	(35,398.12)	24,498.54	27,300.91
86358RSJ7	32,846.86	277	32,846.86	1,314.39	(31,532.47)	1,314.39	10,283.45
86359ANH2	58,880.85	FE	58,880.85	57,519.00	(1,361.85)	57,519.00	43,673.24
Totals	\$ 3,606,733,30	\$	\$ 3,606,733.30	\$ 3,269,443.64	\$ (337,289.66)	\$ 3,269,443.64	\$ 2,259,716.96

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	before Cumulative Cumulative Adjustment		Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
05948XR52	\$ 209,273.05	\$	\$ 209,273.05	\$ 40,279.19	\$ (168,993.86)	\$ 40,279.19	\$ 82,906.07
1248RHAD9	569,584.07	£((569,584.07	539,400.00	(30,184.07)	539,400.00	329,629.60
12667GR62	226,499.07	177	226,499.07	224,965.14	(1,533.93)	224,965.14	131,831.32
12667GS20	313,777.83	¥0	313,777.83	311,969.93	(1,807.90)	311,969.93	174,672.79
12667GWF6	435,837.20	177	435,837.20	433,299.54	(2,537.66)	433,299.54	223,869.30
12669EH33	24,752.49	₹0	24,752.49	24,318.42	(434.07)	24,318.42	18,215.08
12669FVD2	122,585.47	277	122,585.47	122,477.08	(108.39)	122,477.08	115,480.67
22541QJR4	350,062.55	₹(350,062.55	101,471.14	(248,591.41)	101,471.14	145,905.99
40431KAE0	133,310.75	177	133,310.75	128,250.00	(5,060.75)	128,250.00	116,051.05
41161PQU0	399,085.12	- TO	399,085,12	395,514.22	(3,570.90)	395,514.22	229,197.03
45254NPU5	265,550.75	177	265,550.75	265,577.55	26.80	265,577.55	151,941.17
46412AAD4	265,639.55	₹0	265,639.55	264,000.00	(1,639.55)	264,000.00	237,721.00
576433GW0	97,465.21	177	97,465.21	71,696.93	(25,768.28)	71,696.93	24,617.15
61750FAE0	119,291.72	₹0	119,291.72	109,625.00	(9,666.72)	109,625.00	87,403.93
61755FAE5	2,627.68	177	2,627.68	1,280.00	(1,347.68)	1,280.00	7,905.52
65106FAG7	35,638.67	₹0	35,638.67	18,500.00	(17,138.67)	18,500.00	62,740.60
669884AF5	2,314.30	277	2,314.30	1,350.00	(964.30)	1,350.00	2,439.66
75971EAK2	20,285,88	¥1(20,285.88	17,850.00	(2,435.88)	17,850.00	49,505.75
76110GJ85	546,347.58	277	546,347.58	518,318.57	(28,029.01)	518,318.57	432,917.67
79549ASM2	99,953.43	- EC	99,953,43	101,743.92	1,790.49	101,743.92	67,961.60
79549AYA1	191,927.41	177	191,927.41	188,981.58	(2,945.83)	188,981.58	86,302.26
86358RUR6	32,286.17	¥1)(32,286.17	1,923.59	(30,362.58)	1,923.59	5,767.57
86359A6A6	268,863.48	277	268,863,48	119,256.44	(149,607.04)	119,256.44	188,774.34
86359AEH2	155,346.65	+00	155,346.65	99,724.75	(55,621.90)	99,724.75	20,856.18
Totals	\$ 4,888,306,08	\$	\$ 4.888,306,08	\$ 4,101,772.99	\$ (786,533,09)	\$ 4,101,772.99	

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 Cumulative Adjustment Adjustment		Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
06050HKY3	\$ 50,529.68	\$ 28,694.35	\$ 79,224.03	\$ 81,395.32	\$ 2,171.29	\$ 81,395.32	\$ 25,750.87
07384MS60	106,631.74	(13,457.03)	93,174,71	92,853.58	(321.13)	92,853.58	78,118.69
1248RHAD9	592,114.02	67,182.93	659,296,95	575,228.02	(84,068,93)	575,228.02	321,725.40
12667GR62	247,827.70	(15,340,04)	232,487.66	231,226,34	(1,261,32)	231,226,34	132,307,76
12667GS20	336,947.49	(16,080.96)	320,866.53	319,449.67	(1,416.86)	319,449.67	182,305.34
12667GWF6	505,139.36	(36,629.93)	468,509.43	447,001.98	(21,507.45)	447,001.98	272,934.88
126684AC3	481,031.83	7,432.40	488,464.23	330,113.04	(158,351.19)	330,113.04	356,009.66
12669FP23	71,393.13	(8,232.96)	63,160.17	42,897.29	(20,262.88)	42,897.29	59,791.95
12669FVD2	142,902.26	(8,411.86)	134,490.40	131,679.43	(2,810.97)	131,679.43	118,028.85
12669FW82	109,143.94	(1,351.64)	107,792.30	107,040.61	(751.69)	107,040.61	73,052.87
22541NBT5	247,340.52	101,410.48	348,751.00	327,047.76	(21,703.24)	327,047.76	197,830.23
22541NFL8	425,287.22	(10,464.13)	414,823.09	414,823.09	55	414,823.09	190,708.33
22541QJR4	208,460.53	150,860.19	359,320.72	361,940.30	2,619.58	361,940.30	165,984.17
23332UAC8	86,710.28	(982.25)	85,728.03	85,597.96	(130.07)	85,597.96	49,090.56
251510FB4	165,030.97	(6,323.00)	158,707.97	145,281.00	(13,426.97)	145,281.00	103,830.06
40431KAE0	165,141.89	(5,756.85)	159,385.04	133,310.75	(26,074.29)	133,310.75	101,841.98
41161PFR9	83,786.38	(2,134.53)	81,651.85	81,636.57	(15.28)	81,636.57	52,964.87
41161PQU0	421,088.07	(14,282.88)	406,805,19	403,491.54	(3,313.65)	403,491.54	225,388.82
45254NKD8	103,032.36		103,032.36	102,629.64	(402.72)	102,629.64	66,210.43
45254NPU5	279,260,29	(2,589,02)	276,671.27	276,442.46	(228.81)	276,442.46	157,083.91
45660LCN7	176,865.67	(10,755.81)	166,109.86	164,853.35	(1,256.51)	164,853.35	79,182.85
45660NQ24	52,303.61	(3,113.71)	49,189.90	49,200.36	10,46	49,200.36	33,674.55
45660NT96	12,994.94	anna ann Alai	12,994.94	12,846.96	(147.98)	12,846.96	8,178.77
46412AAD4	288,126.40	(22,486.85)	265,639.55	265,639.55		265,639.55	210,149.50
61750FAE0	141,946.29	1,012.36	142,958.65	119,291.72	(23,666.93)	119,291.72	81,362.80
61755FAE5	7,149.11	(5,160.76)	1,988.35	2,627.68	639.33	2,627.68	2,051.12
65106FAG7	107,752,94	(7,443.63)	100,309.31	35,638.67	(64,670.64)	35,638.67	58,612.70
669884AF5	45,262.13	(38,415.47)	6,846.66	2,314.30	(4,532.36)	2,314.30	7,803.18
68383NCA9	435,252.51	(7,492.00)	427,760.51	417,589.96	(10,170.55)	417,589.96	278,269.12
75406AAB5	444,770.19	(5,601.97)	439,168.22	426,737.28	(12,430.94)	426,737.28	320,459.90
75971EAK2	51,519.14	(11,349.12)	40,170.02	20,285.88	(19,884.14)	20,285.88	53,107.25
76110GG62	640,399.34	(7,589.41)	632,809.93	632,809.93	5	632,809.93	498,118.34
76110GG70	425,247.01	(40,501.92)	384,745.09	384,859.50	114.41	384,859.50	335,315.43
76110GJ85	565,248.31	(10,829.57)	554,418.74	554,418.74		554,418.74	483,783.78
76110GZQ7	388,898.46	(4,213,90)	384,684.56	384,684.57	0.01	384,684.57	338,916.79
76110GZR5	300,982.74	(2,790.90)	298,191.84	298,240.98	49.14	298,240.98	270,914.17
79549AYA1	91,487.65	112,841.72	204,329.37	206,044.42	1,715.05	206,044.42	87,854.83
80557BAC8	816,524.56	(12,517.60)	804,006,96	541,373.82	(262,633,14)	541,373.82	282,700.00
86358RL88	54,881.83	(7,238.94)	47,642.89	47,642.89	1700000	47,642.89	31,104.91
86358RLG0	39,783.15	19,941.93	59,725.08	61,269.75	1,544.67	61,269.75	28,035.38
86358RUR6	11,592.70	23,285.16	34,877.86	35,229.81	351.95	35,229.81	6,523.75
86359AEH2	110,752.81	45,507.22	156,260.03	165,272.27	9,012.24	165,272.27	21,406.75
86359ANH2	68,740.97	2000	68,740.97	67,687.53	(1,053.44)	67,687.53	50,611.35
984582AA4	219,810,32	(4,681.88)	215,128.44	178,649.96	(36,478.48)	178,649.96	152,084.14
984582AB2	11,006.35	(5,987.92)	5,018,43	1,991.06	(3,027.37)	1,991.06	10,802.50
Totals	\$ 10,338,098.79	\$ 207,960.30	\$ 10,546,059.09	\$ 9,768,287.29	\$ (777,771.80)	\$ 9,768,287.29	\$ 6,661,983.49

GENERAL INTERROGATORIES

PART 1 - COMMON INTERROGATORIES

GENERAL

1.1	Did the reporting entity experience any material transactions requirin Domicile, as required by the Model Act?							Yes [] No []	Х]
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 reporting entity?	charter, by-laws,	articles of incorporation,	or deed of	settlemer	nt of the		Yes [] No []	Χ]
2.2	If yes, date of change:									
3.	Have there been any substantial changes in the organizational chart If yes, complete the Schedule Y - Part 1 - organizational chart.	since the prior q	uarter end?					Yes [] No []	ζ]
4.1	Has the reporting entity been a party to a merger or consolidation de	uring the period o	overed by this statemen	t?				Yes [] No []	ζ]
4.2	If yes, provide the name of the entity, NAIC Company Code, and state ceased to exist as a result of the merger or consolidation.	te of domicile (us	e two letter state abbrev	iation) for a	ny entity	hat has				
	1		2	3	3					
	Name of Entity		NAIC Company Code	State of	Domicile					
5.	If the reporting entity is subject to a management agreement, includi in-fact, or similar agreement, have there been any significant changer of the second o						Yes [] No [X] N/A	[]
6.1	State as of what date the latest financial examination of the reporting	g entity was made	e or is being made				····- <u> </u>	12/3	31/2009	
6.2	State the as of date that the latest financial examination report becardate should be the date of the examined balance sheet and not the							12/3	31/2009	
6.3	State as of what date the latest financial examination report became the reporting entity. This is the release date or completion date of the date).	he examination re	port and not the date of	the examin	ation (ba	lance sł	neet	12/2	20/2010	
6.4	By what department or departments?									
6.5	State of Connecticut Insurance Department Have all financial statement adjustments within the latest financial extatement filed with Departments?	xamination report	been accounted for in a	subsequen	t financia	ıl	Yes [)	(] No [] N/A	[
6.6	Have all of the recommendations within the latest financial examinat	tion report been c	omplied with?				Yes [)	() No [] N/A	[
7.1	Has this reporting entity had any Certificates of Authority, licenses or revoked by any governmental entity during the reporting period?							Yes [] No []	ζ]
7.2	If yes, give full information:									
8.1	Is the company a subsidiary of a bank holding company regulated by	y the Federal Res	erve Board?					Yes [] No []	Χ]
8.2	If response to 8.1 is yes, please identify the name of the bank holding	g 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 regulatory services agency [i.e. the Federal Reserve Board (FRB), Insurance Corporation (FDIC) and the Securities Exchange Committee (FDIC) and the Securities (FDIC)	the Office of the	Comptroller of the Currer	ncy (OCC),	the Fede	ral Depo				
	1		2		3	4	5	6		
	Affiliate Name		ocation (City, State)		FRB	occ	FDIC	SEC		
	The Managhatana L. Tarras & Occurrance FOD	F., f : - I - I - OT								

1	2	3	4	5	6
Affiliate Name	Location (City, State)	FRB	OCC	FDIC	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

GENERAL INTERROGATORIES

9.1	 9.1 Are the senior officers (principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions) of the reporting entity subject to a code of ethics, which includes the following standards? (a) Honest and ethical conduct, including the ethical handling of actual or apparent conflicts of interest between personal and professional relationships; (b) Full, fair, accurate, timely and understandable disclosure in the periodic reports required to be filed by the reporting entity; (c) Compliance with applicable governmental laws, rules and regulations; (d) The prompt internal reporting of violations to an appropriate person or persons identified in the code; and (e) Accountability for adherence to the code. 							
9.11	If the response to 9.1 is No, please explain:							
9.2 9.21	Has the code of ethics for senior managers been amended?	Yes [] No [X]						
9.3 9.31	Have any provisions of the code of ethics been waived for any of the specified officers?	Yes [] No [X]						
	FINANCIAL							
10.1 10.2	Does the reporting entity report any amounts due from parent, subsidiaries or affiliates on Page 2 of this statement? If yes, indicate any amounts receivable from parent included in the Page 2 amount:							
	INVESTMENT							
11.1 11.2	Were any of the stocks, bonds, or other assets of the reporting entity loaned, placed under option agreement, or otherwise made available for use by another person? (Exclude securities under securities lending agreements.)	Yes [] No [X]						
12.	Amount of real estate and mortgages held in other invested assets in Schedule BA:							
13.	Amount of real estate and mortgages held in short-term investments:\$							
14.1 14.2	Does the reporting entity have any investments in parent, subsidiaries and affiliates?	Yes [X] No []						
	1 Prior Year-End Book/Adjusted Carrying Value	2 Current Quarter Book/Adjusted Carrying Value						
	Bonds	\$7,426,380						
	Preferred Stock\$	\$						
	Common Stock \$	\$						
14.24 14.05	Short-Term Investments\$ Mortgage Loans on Real Estate\$	\$e						
	Mortgage Loans on Real Estate \$ All Other \$	\$						
1/1/26								
14.26 14.27	Total Investment in Parent, Subsidiaries and Affiliates (Subtotal Lines 14.21 to 14.26) \$ 7 303 902	\$ \$ 7 426 380						
14.27	Total Investment in Parent, Subsidiaries and Affiliates (Subtotal Lines 14.21 to 14.26) \$ 7,393,802 Total Investment in Parent included in Lines 14.21 to 14.26 above \$ \$	\$7,426,380 \$						
14.27 14.28 15.1	Total Investment in Parent, Subsidiaries and Affiliates (Subtotal Lines 14.21 to 14.26)	\$7,426,380 \$						

GENERAL INTERROGATORIES

16. 16.1	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?								
	Name of	1	2						
		Custodian(s)	333 W		odian Address , NY 10001				
16.2	For all agreements that do not com location and a complete explanati	ply with the requirements of the NAIC on:	Financi	al Condition Examiners H	andbook, provide the name,				
	1 Name(s)	2 Location(s)		3 Complete Explanation(s)					
16.3 16.4	Have there been any changes, incl If yes, give full information relating	uding name changes, in the custodian(thereto:	s) iden	tified in 16.1 during the cu	rrent quarter?	Yes]	No [Х]
	1 Old Custodian	2 New Custodian		3 Date of Change	4 Reason				
16.5		Neers/dealers or individuals acting on be ity to make investments on behalf of the			access to the investment accounts,	,			
	1 Central Registration Depository	2 Name(s)	3 Address 1500 Main Street, Springfield, MA 01115		_				
	#106006	Babson Capital Management, LLC							
17.1 17.2	Have all the filing requirements of t If no, list exceptions:	he Purposes and Procedures Manual o	of the N	IAIC Securities Valuation (Office been followed?	Yes	[X]	No []

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	Amount
	1.11 Farm Mortgages	S
	1.12 Residential Mortgages	5,910,706
	1.13 Commercial Mortgages	S
	1.14 Total Mortgages in Good Standing	5,910,706
	1.2 Long-Term Mortgages In Good Standing with Restructured Terms	
	1.21 Total Mortgages in Good Standing with Restructured Terms	<u> </u>
	1.3 Long-Term Mortgage Loans Upon which Interest is Overdue more than Three Months	
	1.31 Farm Mortgages	S
	1.32 Residential Mortgages	S
	1.33 Commercial Mortgages	S
	1.34 Total Mortgages with Interest Overdue more than Three Months	8
	1.4 Long-Term Mortgage Loans in Process of Foreclosure	
	1.41 Farm Mortgages	5
	1.42 Residential Mortgages	S
	1.43 Commercial Mortgages	5
	1.44 Total Mortgages in Process of Foreclosure	5
1.5	Total Mortgage Loans (Lines 1.14 + 1.21 + 1.34 + 1.44) (Page 2, Column 3, Lines 3.1 + 3.2)	5,910,706
1.6	Long-Term Mortgages Foreclosed, Properties Transferred to Real Estate in Current Quarter	
	1.61 Farm Mortgages	S
	1.62 Residential Mortgages	S
	1.63 Commercial Mortgages	5
	1.64 Total Mortgages Foreclosed and Transferred to Real Estate	8
2.	Operating Percentages:	
	2.1 A&H loss percent	%
	2.2 A&H cost containment percent	%
	2.3 A&H expense percent excluding cost containment expenses	%
3.1	Do you act as a custodian for health savings accounts?	Yes [] No [X]
3.2	If yes, please provide the amount of custodial funds held as of the reporting date	3
3.3	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

SCHEDULE S - CEDED REINSURANCE

Showing All New Reinsurance Treaties - Current Year to Date

1	2	3	4					5	6	7
NAIC									Type of	Is Insurer
Company Code	Federal	Effective							Reinsurance	Authorized?
Code	ID Number	Date	Name of Reinsurer					Domiciliary Jurisdiction	Ceded	(Yes or No)
						 M	 			
						B I				
					1					
						, ,				
				•						

SCHEDULE T - PREMIUMS AND ANNUITY CONSIDERATIONS

Current Year To Date - Allocated by States and Territories

	(Surrent Year	To Date - Alloca	ated by States a		inoss Only		
		1	Life Co	ontracts	Direct Bus 4	iness Only 5	6	7
			2	3	Accident and			•
					Health Insurance Premiums,			
				_	Including Policy, Membership		Total	-
	States Etc	Active Status	Life Insurance Premiums	Annuity	Membership and Other Fees	Other Considerations	Columns	Deposit-Type Contracts
1.	States, Etc. AlabamaAL	oiaiUS I	Premiums 107,520	Considerations	and Other Fees	Considerations	2 Through 5 107,520	Contracts
1. 2.	Alaska	L	5,361				5,361	
2. 3.	Arizona	I	274,642				5,361	
3. 4.	Arkansas		10,511				10,511	
5.	California	L	1,473,303				1,473,303	
6.	Colorado	L	212,926	315			213,241	
7.	Connecticut	L	191,581				191,581	
8.	Delaware	L	16,794				16,794	
9.	District of Columbia	L					55,729	
10.	FloridaFL	LL	606,599				606,599	
11.	Georgia		247,988				247,988	
12.	Hawaii HI	L	66,564				66,564	
13.	IdahoID	L	19,583				19,583	
14.	IllinoisIL	L	441,043				441,043	
15.	Indiana IN	L	242, 190				242, 190	
16.	lowa IA	L	240,020	450			240,470	
17.	Kansas KS	L	125,776				125,776	
18.	Kentucky KY	L	111,523	1,020			112,543	
19.	Louisiana LA	L	142,993			ļ	142,993	
20.	Maine ME	L	68,528			ļ	68,528	
21.	Maryland MD	L	466,335			ļ ļ	466,335	
22.	Massachusetts MA	L	328,492			ļ ļ	328,492	
23.	Michigan MI	L	460,013			ļ ļ	460,013	
24.	Minnesota	L	140,868				140,868	
25.	Mississippi	ļĻ	80,368				80,368	
26.	Missouri MO	ļĻ	213,279			ļ ļ	213,279	
27.	Montana MT	L	88,018		<u> </u>	 	88,018	
28.	Nebraska	L	149,534	450	<u> </u>	 	149,984	
29. 30	New Hampshire	L	111,693 51,390	·	<u> </u>		111,693	
30. 31.	New Jersey NJ	L	51,390 511,178	300			51,390 511,478	
31. 32.	New Mexico	I	511, 178	300			511,478	
32. 33.	New York	LNI						
33. 34.	New York	IVI					43,111	
34. 35.	North CarolinaNC North DakotaND	L						
35. 36.	North DakotaND OhioOH	L	2,488				2,488	
36. 37.	Onio OH Oklahoma OK	L	424,849				424,849	
37.	Oregon OR		151,340	[272,519	
38.	Pennsylvania PA	I	648,845	400			649,245	
40.	Rhode IslandRI	L	65,409		***********		65,409	
41.	South Carolina	L	247,499				247,499	
42.	South Dakota	L	15, 147	***********			15,147	
43.	Tennessee	L	233,656	1,650			235,306	
44.	Texas	L	1,100,993				1, 100, 993	
45.	Utah UT	L	130,082				130,082	
46.	Vermont VT	L	31,776	300			32,076	
47.	VirginiaVA	L	541,913				541,913	
48.	Washington WA	L	254,485				254,485	
49.	West Virginia WV	L	74,309				74,309	
50.	Wisconsin WI	L	124,597	900			125,497	
51.	WyomingWY	L	5,680			ļ	5,680	
52.	American Samoa	N	-			ļ ļ		
53.	Guam	N	-			ļ		
54.	Puerto Rico PR	N.						
55.	U.S. Virgin Islands	N.	89				89	
56.	Northern Mariana Islands	N.						
57.	Canada	N	47				47	
58.	Aggregate Other Aliens OT	XXX	24,843			ļ ļ	24,843	
59. 90	Subtotal	(a)50	12,052,185	5,785	<u> </u>		12,057,970	
90.	Reporting entity contributions for employee benefits plans	s XXX						
91.	Dividends or refunds applied to purchase paid-up		·	 		<u> </u>		
91.	additions and annuities	XXX	L	<u></u>		<u> </u>		
92.	Dividends or refunds applied to shorten endowmen							
J	or premium paying period	XXX						·
93.	Premium or annuity considerations waived under							
	disability or other contract provisions	XXX	59,319			ļl	59,319	
94.	Aggregate or other amounts not allocable by State					ļl		
95.	Totals (Direct Business)	xxx	12,111,504	5,785			12,117,289	
96.	Plus Reinsurance Assumed	XXX				ļ		
97	Totals (All Business)	XXX	12,111,504	5,785		ļ l	12,117,289	
98.	Less Reinsurance Ceded	XXX	6,064,631	 		 	6,064,631	
99.	Totals (All Business) less Reinsurance Ceded	XXX	6,046,873	5,785			6,052,658	
	DETAILS OF WRITE-INS							
5801.		XXX	24,843			ļ ļ	24,843	
5802.		XXX						
5803.	0	XXX		·	<u> </u>	 		
5898.	, .	V///						
Encc	overflow page	XXX	· 	†	<u> </u>	 	 	
5899.	Totals (Lines 5801 through 5803 plus 5898)(Line 58 above)	XXX	24,843				24,843	
9401.	,	XXX	24,843	1	1		∠4,843	
9401. 9402.		XXX						
9402. 9403.		XXX		İ	İ			
1	Summary of remaining write-ins for Line 94 from							
2 100.	overflow page	XXX				<u> </u>		
9499.	Totals (Lines 9401 through 9403 plus 9498)(Line							
	94 above)	XXX	<u></u>	<u> </u>				
	sed or Chartered - Licensed Insurance Carrier or Do					fied or Accredited F	Reinsurer; (E) Eligib	le - Reporting

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

	Federal Tax ID	NAIC Co Code	State of Domicile
MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY	04-1590850	65935	Massachusetts
Direct & Indirect Owned Subsidiaries:			
C.M. Life Insurance Company	06-1041383	93432	Connecticut
MML Bay State Life Insurance Company	43-0581430	70416	Connecticut
CML Mezzanine Investor, LLC	06-1041383		Delaware
CML Mezzanine Investor L, LLC	06-1041383		Delaware
CML Mezzanine Investor III, LLC	06-1041383		Delaware
CML Re Finance LLC	06-1041383		Delaware
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
MassMutual Holding LLC	04-2854319		Delaware
MassMutual Assignment Company	06-1597528		North Carolina
MassMutual Capital Partners LLC	None		Delaware
MSC Holding Company, LLC	45-4376777		Delaware
MassMutual Holding MSC, Inc.	04-3341767		Massachusetts
1279342 Ontario Limited	None		Canada
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.

	Federal Tax ID	NAIC Co Code	State of Domicile
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
Compañia 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	04-3223145		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 04-1590850		Hong Kong
Wood Creek Capital Management LLC Wood Creek Index Company, LLC	26-3115362		Delaware
Whitney Street Finance, LLC	26-1183315		Delaware 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
Babson Capital Loan Fathlers For, ELC Benton Street Advisors, Inc.	98-0536233		Cayman Islands
Blue-Chip Multi-Strategy Management LLC	04-1590850		Delaware
Credit Strategies Management LLC	04-1590850		Delaware
Crean strategies infanagement Liec	04-1330030		Delawaie

^{*}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.

	Federal Tax ID	NAIC Co Code	State of Domicile
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
Centennial Asset Management Corporation	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

^{*}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.

		Federal Tax ID	NAIC Co Code	State of Domicile
	Baring International Fund Managers (Ireland) Limited	98-0524272		Ireland
	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 Manag		98-0457586		United Kingdom
Baring Pension Tru		98-0457574		United Kingdom
Baring Investment S	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 Affililates & Funds:				TT '. 1 TZ' 1
Almack Mezzanine Fund I LP*		None		United Kingdom
Almack Mezzanine Fund II Unleveraged LP*		None		United Kingdom
Almack Mezzanine Fund III LP* Babson Capital High Yield LLC*		None 55-0886109		United Kingdom Delaware
Babson Capital Fight Yield LLC* Babson Capital Core Fixed Income Fund L.P.*		27-3524082		Delaware Delaware
Babson Capital Floating Rate Income Fund, L.P.*		27-3324082		Delaware
Babson Capital Loan Partners I, L.P.*		None		Cayman Islands
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 I		None		Cayman Islands
Babson CLO Ltd. 2005-III*		None		Cayman Islands
		-		•

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	Federal Tax ID	NAIC Co Code	State of Domicile
Debene CLO Led 2006 I	N		C I-1 4-
Babson CLO Ltd. 2006-I Babson CLO Ltd. 2006-II	None None		Cayman Islands Cayman Islands
Babson CLO Ltd. 2006-11 Babson CLO Ltd. 2007-I	None		Cayman Islands Cayman Islands
Babson CLO Ltd. 2007-1 Babson CLO Ltd. 2008-II	None		Cayman Islands
Babson CLO Ltd. 2011-I	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		•
Benton Street Partners II, L.P.	98-0536199		Cayman Islands 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 II, 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. Duchess V CDO S.A.	None		United Kingdom
Duchess VI CLO B.V.	None		United Kingdom
Duchess VI 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
Simsbury CDO, Limited	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
Summin Lake CLO, Elu.	INOILE		Cayman Islanus

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	Federal Tax ID	NAIC Co Code	State of Domicile
Tower Square Capital Partners, L.P.*	04-3722906		Delaware
Tower Square Capital Partners II, L.P.*	30-0336246		Delaware
Tower Square Capital Partners II-A, L.P.*	32-0160190		Delaware
Tower Square Capital Partners III, L.P.*	41-2280127		Delaware
Tower Square Capital Partners IIIA, L.P.*	41-2280129		Delaware
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 Affililates & Funds:			
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
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 II LP	26-1244346		Texas
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
Cornerstone Real Estate Fund VIII LP	27-0547156		Delaware

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	Federal Tax ID	NAIC Co Code	State of Domicile
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
Riva Portland LLC	30-0713071		Connecticut
Sawgrass Village Shopping Center LLC*	27-2977720		Connecticut
Stonebriar Frisco MM LLC	45-2628608		Connecticut
UK LIW Manager LLC	45-4606547		Connecticut
UK LIW Member LLC	45-4606547		Connecticut
Waterford Development Associates	20-2970495		Pennsylvania
Wesley Chapel Theaters LLC*	26-2384708		Connecticut
MassMutual Premier Funds:	1		
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 04-3212044		Massachusetts Massachusetts
MassMutual Premier International Equity Fund MassMutual Premier International Bond Fund	26-1345534		Massachusetts
	26-1345534 04-3224705		Massachusetts
MassMutual Premier Small/Mid Cap Opportunities Fund	26-3229251		Massachusetts
MassMutual Premier Strategic Emerging Markets Fund MassMutual Premier Value Fund	26-3229251 04-3277550		Massachusetts
iviassiviutuai ficinici vaitie fund	04-32//330		iviassaciiuseus

^{*}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.

	Federal Tax ID	NAIC Co Code	State of Domicile
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 Value Equity Fund	04-3557001		Massachusetts
MML Series Investment Funds:			
MML China Fund	26-2997893		Massachusetts
MML Enhanced Index Core Equity Fund	04-3557005		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 2050 Fund	26-1345332		Massachusetts
MassMutual RetireSMART In Retirement Fund	03-0532464		Massachusetts
MassMutual RetireSMART Conservative Fund	45-1618155		Massachusetts
MassMutual RetireSMART Growth Fund	45-1618222		Massachusetts
MassMutual RetireSMART Moderate Fund	45-1618262		Massachusetts
MassMutual RetireSMART Moderate Growth Fund	45-1618046		Massachusetts
Oppenheimer Funds:			
HarbourView CLO 2006-1 Limited	None		Cayman Islands
Oppenheimer Absolute Return 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
Oppenheimer Short Duration Fund	27-5013457		Massachusetts
Rye Select Broad Market Prime	13-3949688		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.

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											Type	_ If		
											of Control	Control		
											(Ownership,	is		
											Board,	Owner-		
									Relationship		Management,	ship		
_		NAIC				Name of Securities Exchange	Names of	Domi-	to		Attorney-in-Fact,	Provide		
Group		Company	Federal ID	Federal		if Publicly Traded	Parent, Subsidiaries	ciliary	Reporting	Directly Controlled by	Influence,	Percen-	Ultimate Controlling	
Code	Group Name	Code	Number	RSSD	CIK	(U.S. or International)	Or Affiliates	Location	Entity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	*
							Massachusetts Mutual Life Insurance			Massachusetts Mutual Life				
04351	Massachusetts Mut Life Ins Co	65935	. 04–1590850	3848388	0000225602	-	Company (MMLIC)	MA		Insurance Company	Ownership	100.000	MML1C	
1										Massachusetts Mutual Life				
0435	CM Life Ins Co	93432	. 06-1041383				C.M. Life Insurance Company	CT	UDP	Insurance Company	Ownership	100.000	MMLIC	
							MML Bay State Life Insurance Company							
	WML Baystate Life Ins Co	70416	43-0581430		0000924777			CT		C.M. Life Insurance Company	Ownership	100.000	MMLIC	
0000			. 06-1041383			-	. CML Mezzanine Investor, LLC	DE	NIA	C.M. Life Insurance Company	Ownership	100.000		
0000			06-1041383				CML Mezzanine Investor L, LLC	DE	NIA	C.M. Life Insurance Company	Ownership	100.000		
0000			06-1041383			-	. CML Mezzanine Investor III, LLC	DE	NIA	C.M. Life Insurance Company	Ownership	100.000	MMLIC	
0000			. 06–1041383				CML Re Finance LLC	DE	NIA	C.M. Life Insurance Company	Ownership	100.000		
										Massachusetts Mutual Life				
0000			. 04–1590850				MML Mezzanine Investor L, LLC	DE	NIA	Insurance Company	Ownership	100.000	MMLIC	
										Massachusetts Mutual Life				
0000			. 04–1590850				CV Apts, LLC	DE	NIA	Insurance Company	Ownership	100.000	MMLIC	
										Massachusetts Mutual Life				
0000			. 26-3911113			-	PL-Apts, LLC	DE	NIA	Insurance Company	Ownership	92.200		
0000			26-3911113				PL-Apts, LLC	DE	NIA	C.M. Life Insurance Company	Ownership	7.800	MMLIC	
										Massachusetts Mutual Life				
0000			. 04–1590850				CB-Apts, LLC	DE	NIA	Insurance Company	Ownership	100.000	MMLIC	
										Massachusetts Mutual Life				
0000			. 26-4441097				WP-SC, LLC	DE	NIA	Insurance Company	Ownership	81.400	MMLIC	
0000			26-4441097				WP-SC, LLC	DE	NIA	C.M. Life Insurance Company	Ownership	18.600	MMLIC	
							uan aaa	DE		Massachusetts Mutual Life				
0000			04-1590850				MSP-SC, LLC	DE	NIA	Insurance Company	Ownership	100.000	MMLIC	
0000			07 4405000				0 1 01 1 077	DE		Massachusetts Mutual Life		00 400	100	
0000			27-1435692				Country Club Office Plaza LLC	DE	NIA	Insurance Company	Ownership	88.100		
0000			27-1435692				Country Club Office Plaza LLC	DE	NIA	C.M. Life Insurance Company	Ownership	11.900	MMLIC	
0000			04 0050000		0000040000		WW B: 1 :1 1 110	MA		Massachusetts Mutual Life		00.000	100	
0000			04-3356880		0000943903		MML Distributors LLC MML Distributors LLC	MA	NIA NIA	Insurance Company	Ownership	99.000	MMLIC	
0000					0000943903	-	MML DISTRIBUTORS LLC	MA	NIA	MassMutual Holding LLC	Ownership	1.000	- MMLIC	
0000			04-1590850				MML Mezzanine Investor. LLC	DE	NIA	Massachusetts Mutual Life	0	100.000	MMLIC	
0000			. 04-1590850				MML Mezzanine investor, LLC	DE	NIA	Insurance Company Massachusetts Mutual Life	Ownership	100.000	MMLIC	
0000			06-1563535	2881445	0001103653		The ManaMatural Travet Commence FCB	US	NIA		O	100.000	MMLIC	
0000			2525301	288 1445	. 0001103653		The MassMutual Trust Company, FSB	08	NIA	Insurance Company Massachusetts Mutual Life	Ownership	100.000	MMLIC	
0000			04 4500050				MIO E Firm II O	DE	ALLA		0	100 000	10/1/10	
0000			04-1590850			-	MMC Equipment Finance LLC	DE	NIA NIA	Insurance CompanyMMC Equipment Finance LLC	Ownership	100.000	MMLIC	
			26-0073611					DE					MMLIC	
0000		-	26-0073611 20-1217159			-	MassMutual Asset Finance LLC	DE	NIA NIA	C.M. Life Insurance Company MassMutual Asset Finance LLC	Ownership	0.400	MMLIC	
0000			27-1379258				Winmark Limited Funding, LLC MMAF Equipment Finance LLC 2009-A	DE DE	NIA	MassMutual Asset Finance LLC MassMutual Asset Finance LLC	Ownership	100.000	MMLIC	
0000		-	45-2589019			-	MMAF Equipment Finance LLC 2009-A	DE	NIA		Ownership	100.000	MMLIC	
חחחת			40-2009019					⊅⊏	A.I NI	MassMutual Asset Finance LLC Massachusetts Mutual Life	ownersnip	100.000	NIMIL IC	
0000			1				MML Private Placement Investment Company I, LLC	DE	NIA	Insurance Company	Ownership	100.000	MMLIC	
טטטע							OUIIIPATTY I, LLG	⊅⊏	NTA	Insurance company Massachusetts Mutual Life	owner strip	100.000	IVINIL I U	
0000			04-2854319	2392316			MassMutual Holding LLC	DE	NIA	Insurance Company	Ownership	100.000	MMLIC	
0000		-	06-1597528	2392310		-	MassMutual Holding LLC	DE	NIA	Insurance Company MassMutual Holding LLC	Ownership	100.000	MMLIC	
0000			00-108/026		0001399869		MassMutual Capital Partners LLC	DE	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC	
0000			45-4376777		6096661 000	-	MSC Holding Company, LLC	DE	NIA	MassMutual Holding LLC MassMutual Holding LLC	Ownership	100.000	MMLIC	
0000			04-3341767				MassMutual Holding MSC, Inc.	DE	NIA	MSC Holding Company, LLC	Ownership	100.000	MMLIC	
0000			. 04-3341/0/			-	1279342 Ontario Limited	MA	NIA	MassMutual Holding MSC, Inc	Ownership	100.000	MMLIC	
0000			04-2746212		0000701059		MML Investors Services, LLC	MA	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC	
UUUU			U4-2/40212		. 6000 / 0 1009		IMME HIVESTOIS SELVICES, LLC	JVIA		I wasswutuat notuitiy LLC	owner strip	100.000		

Control

Owner-

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM 12 Type of Control (Ownership,

									l		Board,	Owner-		
		1		1					Relationship		Management,	ship		
		NAIC				Name of Securities Exchange	Names of	Domi-	to		Attorney-in-Fact,	Provide		
Group		Company	Federal ID	Federal		if Publicly Traded	Parent, Subsidiaries	ciliary	Reporting	Directly Controlled by	Influence,	Percen-	Ultimate Controlling	
Code	Group Name	Code	Number	RSSD	CIK	(U.S. or International)	Or Affiliates	Location	Entity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	*
0000			04-3109325				MML Insurance Agency, LLC	MA	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC	
0000			41-2011634		0001456663		MMLISI Financial Alliances, LLC	DE	NIA	MassMutual Holding LLC	Ownership	51.000	MMLIC	
0000							MML Plan Solutions, LLC	DE	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC	
0000			04-3313782				MassMutual International LLC	DE	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC	
0000							MassMutual Asia Limited	HK	I A	MassMutual International LLC	Ownership	100.000	MMLIC	
0000							MassMutual Asia Investors Ltd.	HK	NIA	MassMutual Asia Limited	Ownership	100.000	MMLIC	
0000							MassMutual Guardian Limited	HK	NIA	MassMutual Asia Limited	Ownership.	100.000	MMLIC	
							MassMutual Insurance Consultants			macomataar nora zimi toa	0p			
0000							Limited	HK	NIA	MassMutual International LLC	Ownership	100.000	MML IC	
0000							MassMutual Services Limited	HK	NIA	MassMutual Asia Limited	Ownership	100.000	MMLIC	
0000							MassMutual Trustees Limited	HK	NIA	MassMutual Asia Limited	Ownership	80.000	MMLIC	
0000							Protective Capital (International)	JIN			Owner Strip	000.00		
0000							Limited	HK	NIA	MassMutual Asia Limited	Ownership	100.000	MML IC	
0000							MassMutual Europe, S.A.	LU	JA	MassMutual International LLC	Ownership	100.000	MMLIC	
0000							MassMutual Life Insurance Company	JP	IA	MassMutual International LLC	Ownership	100.000	MMLIC	
0000							massmutual Life insurance company		JJA	IMassmutuai internationai LLC	ownersnip	100.000	WINIL IC	· [
0000		1		1			Manadama (CD) I tel	Cayman	NILA	Manadhatan Latarantiana LUC	O	100.000	MMLIC	
0000							Kamakura (GP) Ltd.	Islands	NIA	_MassMutual International LLC	Ownership	100.000	MMLIC	
							MassMutual Internacional (Chile) SpA							
0000								CL	NIA	MassMutual International LLC	Ownership	100.000	MMLIC	
0000							MassMutual (Chile) Limitada	CL	NIA	.MassMutual International LLC	Ownership	100.000	- MMLIC	
0000							Compania de Seguros CorpVida S.A	CL	NIA	.MassMutual International LLC	Ownership	33.500	MMLIC	
0000			45-4000072				MM Asset Management Holding LLC	DE	NIA	MassMutual Holding LLC	Ownership	100.000	_ MMLIC	
0000			51-0504477		0000009015		Babson Capital Management LLC	DE	NIA	.MassMutual Holding LLC	Ownership	100.000	MMLIC	
0000			04-3238351		0000930012		Babson Capital Securities LLC	DE	NIA	Babson Capital Management LLC	Ownership	100.000	_MMLIC	
0000			98-0437588				Babson Capital Guernsey Limited	GG	NIA	Babson Capital Management LLC	Ownership	100.000	MMLIC	
0000			98-0432153				Babson Capital Europe Limited	GB	NIA	Babson Capital Guernsey Limited	Ownership	100.000	MMLIC	
000Ω							Almack Mezzanine GP III Limited	GB	NIA	Babson Capital Europe Limited	Ownership	100.000	. MMLIC	
							Almack Holding Partnership GP Limited							
0000								GB	NIA	Babson Capital Europe Limited	Ownership	100.000	. MML1C	
0000							Almack Mezzanine Fund Limited	GB	NIA	Babson Capital Europe Limited	Ownership	100.000	MMLIC	
0000							Almack Mezzanine Fund II Limited	GB	NIA	Babson Capital Europe Limited	Ownership	100.000	MMLIC	
							Babson Capital Global Advisors							
0000							Limited	GB	NIA	Babson Capital Europe Limited	Ownership	100.000	MMLIC	
0000							Babson Capital Japan KK	JP	NIA	Babson Capital Management LLC	Ownership.	100.000	MMLIC	
							Cornerstone Real Estate Advisers LLC			aprical management bed				
0000		1	04-3223145	3456895	0001379495		LEGISTA TOTAL ESTATO NATIONS LEGISTA	DE	NIA	Babson Capital Management LLC	Ownership	100.000	MMLIC	
0000			01 0220170	0.50000			Cornerstone Real Estate Advisers		11/1/	Cornerstone Real Estate Advisers	0 milot 3111 p			
0000		I	98-0590849	I			Europe Securities B.V.	NL	NIA	LLC	Ownership	100.000	MML IC	
0000			30 0330043				Cornerstone Real Estate Advisers Inc.	JVL	NI7	Cornerstone Real Estate Advisers	O#IIIGI 2111h	100.000	. IVINIL TO	
0000		I	04-3238351	3456895	0001011148		Connerstone near Estate Auvisers Inc.	CA	NIA	LLC	Ownership	100.000	MMLIC	
0000			U4-3230331	3430093	. 000 10 1 1 140		Corporatore Deal E-t-t- IV II-13:	UM	NIA		owner strip	100.000	ININIL IC	- [
0000		1		1			Cornerstone Real Estate UK Holdings	DE	NILA	Cornerstone Real Estate Advisers	O	100 000	MMI IC	
0000							Limited	DE	NIA	LLC	Ownership	100.000	_ MML10	-
0000		1	00 0054404	1			Cornerstone Real Estate UK (No. 2)			Cornerstone Real Estate UK		400 000	IIII 10	
0000			98-0654401				Limited	GB	NIA	Holdings Limited	Ownership	100.000	MMLIC	
l		1		ĺ			Cornerstone Real Estate Advisers			Cornerstone Real Estate UK				
0000			98-0654388				Europe LLP	GB	NIA	. Holdings Limited	Ownership	100.000	MMLIC	
		1		ĺ			Cornerstone Real Estate Advisers			Cornerstone Real Estate UK				
0000			98-0654412				Europe Finance LLP	GB	NIA	Holdings Limited	Ownership	100.000	MMLIC	
		I		I			Cornerstone Managing Director Europe			Cornerstone Real Estate Advisers				
0000							LLC	DE	NIA	LLC	Ownership	100.000	MMLIC	.
0000							Babson Capital Asia Limited	HK	NIA	Babson Capital Management LLC	Ownership	100.000	_MMLIC	
										-				

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

				PARI	IA-I	DETAIL OF IN	SURANCE HOI	עוט_	G CON	MPANY SYSII				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
											Type	If		
											of Control	Control		
											(Ownership, Board,	is Owner-		
									Relationship		Management,	ship		
		NAIC				Name of Securities Exchange	Names of	Domi-	to		Attorney-in-Fact,	Provide		
Group		Company	Federal ID	Federal		if Publicly Traded	Parent, Subsidiaries	ciliary	Reporting	Directly Controlled by	Influence,	Percen-	Ultimate Controlling	
Code	Group Name	Code	Number	RSSD	CIK	(U.S. or International)	Or Affiliates	Location	Entity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	*
							Babson Capital Australia Holding							
000Q							Company Pty Ltd.	AU	NIA	Babson Capital Management LLC	Ownership	100.000	- MMLIC	
0000							Babson Capital Australia Pty Ltd	AU	NIA	Babson Capital Australia Holding Company Pty Ltd	Ownership	100.000	MMLIC	
טטטע							Babson Capital Australia Pty Ltd Babson Capital Cornerstone Asia	AU	NIA	Company Pty Ltd	. Ownership	100.000	- MMLIC	
0000							Limited	HK	NIA	Babson Capital Management LLC	Ownership	100.000	MMLIC	
0000			04-1590850				Wood Creek Capital Management LLC	DE	NIA	Babson Capital Management LLC	Ownership.	100.000	MMLIC	
										Wood Creek Capital Management LLC				
0000			26-3115362				Wood Creek Index Company, LLC	DE	NIA		Ownership	100.000	MMLIC	
									1	Wood Creek Capital Management LLC				1
0000			26-1183315				Whitney Street Finance, LLC	DE	NIA		Ownership	100.000	- MMLIC	
0000			04 4500050		0004504044		Babson Capital Floating Rate Income	DF		District On State W	0h:	100 000	188 10	1
0000			04-1590850		0001501011		Fund Management, LLC	DE	NIA	Babson Capital Management LLC	Ownership	100.000	- MMLIC	
0000			27-3523916		0001503878		Babson Capital Core Fixed Income Management LLC	DE	NIA	Babson Capital Management LLC	Ownership	100.000	MMLIC	
9000			21-3323910		0001303076		Babson Capital Total Return	DL	NIA	_ Dabson Capital Management LLC	Owner Sirrp	100.000	_ WWLTO	
0000			27-3524203		0001503879		Management LLC	DE	NIA	Babson Capital Management LLC	Ownership	100.000	MMLIC	
							Babson Capital Loan Partners I GP,			Japon capital management 220				
0000			51-0504477				LLC	DE	NIA	Babson Capital Management LLC	Ownership	100.000	MMLIC	
								Cayman						
0000			98-0536233				Benton Street Advisors, Inc	Islands	NIA	Babson Capital Management LLC	Ownership	100.000	MMLIC	
							Blue-Chip Multi-Strategy Management							
0000			. 04-1590850				LLC	DE DE	NIA	Babson Capital Management LLC	Ownership	100.000	MMLIC	
0000			04-1590850 04-1590850				Credit Strategies Management LLC Loan Strategies Management LLC	DE	NIANIA	Babson Capital Management LLC Babson Capital Management LLC	Ownership	100.000	MMLIC	
0000			04-1590850				Mezzco LLC	DE	NIA	Babson Capital Management LLC	Ownership	100.000	MMLIC	
0000			02-0767001				Mezzco II LLC	DE	NIA	Babson Capital Management LLC	Ownership	98.400	MMLIC	
0000			41-2280126				Mezzco III LLC	DE	NIA	Babson Capital Management LLC	Ownership	99.300	MMLIC	
0000			90-0666326				Mezzco Australia LLC	DE	NIA	Babson Capital Management LLC	Ownership	100.000	MMLIC	
							Babson Capital Cornerstone Managing							
0000			51-0504477				Director Asia LLC	DE	NIA	Babson Capital Management LLC	Ownership	100.000	_ MMLIC	
0000			04 1500050				Somerset Special Opportunities	P.E.	N/A	Debese Cositel Manager to 110	O	100 000	100 10	1
0000			04-1590850 04-1590850				Management LLC	DE	NIA NIA	Babson Capital Management LLC Babson Capital Management LLC	Ownership	100.000	MMLICMMLIC	
0000			84-1149206	2897101			Oppenheimer Acquisition Corp.	DE DE	NIA	MassMutual Holding LLC	Ownership	99.500	MMLIC	-
0000			13-2527171	2679183	0000820031		OppenheimerFunds. Inc.	CO	NIA	Oppenheimer Acquisition Corp	Ownership	100.000	MMLIC	
0000			13-2953455		0000276541		OppenheimerFunds Distributor, Inc	NY	NIA	Oppenheimer Acquisition corp.	Ownership	100.000	MMLIC	
							Oppenheimer Real Asset Management				1			
0000			84-1106295				Inc.	DE	NIA	OppenheimerFunds, Inc.	Ownership	100.000	MMLIC	
							OFI Institutional Asset Management,							
0000			13–4160541	3458125	0001179479		Inc	NY	NIA	OppenheimerFunds, Inc.	Ownership	100.000	MMLIC	.
0000			10 0450700	0014075			OF LT THE A CONTROL	A 10.7		OFI Institutional Asset	0	100 000	188 10	1
0000			. 13–3459790	2914875			OFI Trust Company	NY	NIA	Management, Inc.	Ownership	100.000	_MMLIC	
0000			22-2697140				HarbourView Asset Management Corporation	NY	NIA	OFI Institutional Asset Management, Inc.	Ownership	100.000	MMLIC	
טטטע			22-203/ 140				Trinity Investment Management	111		OFI Institutional Asset	Outlet stith	100.000	. WINIL I O	
0000			25-1951632	l	0000099782	l	Corporation	PA	NIA	Management. Inc.	Ownership	100.000	MMLIC	[
0000			84-1128397		0000857468		Shareholder Financial Services, Inc.	CO	NIA	OppenheimerFunds, Inc.	Ownership	100.000	MMLIC	.
0000			84-1066811		0000276398		Shareholder Services, Inc.	CO	NIA	OppenheimerFunds, Inc.	Ownership	100.000	MMLIC	
							Centennial Asset Management		1					1
0000			84-0765063		0001041674		Corporation	DE	NIA	OppenheimerFunds, Inc	Ownership	_100.000	MMLIC	[

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

				PAKI	1A - I	DETAIL OF IN	SURANCE HOL	חוט.	G CON	IPANY SYST	LIVI			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
											Type	If		
											of Control	Control		
											(Ownership,	is		
											Board,	Owner-		
		NIAIO				N (0); F (N	ъ.	Relationship		Management,	ship		
Craun		NAIC	Fodoval ID	Federal		Name of Securities Exchange if Publicly Traded	Names of	Domi-	to Reporting	Directly Controlled by	Attorney-in-Fact,	Provide	Lillimata Cantrallina	
Group Code	Group Name	Company Code	Federal ID Number	RSSD	CIK	(U.S. or International)	Parent, Subsidiaries Or Affiliates	ciliary Location	Entity	Directly Controlled by (Name of Entity/Person)	Influence, Other)	Percen- tage	Ultimate Controlling Entity(ies)/Person(s)	*
0000	Group Name	Code	91-2036414	กออบ	0001179480	(U.S. Of International)	OFI Private Investments, Inc.	NY	NIA	OppenheimerFunds. Inc.	Ownership	100.000	MMLIC	
0000			31 2000414		0001173400		OppenheimerFunds International, Ltd.	IE	NIA	OppenheimerFunds, Inc.	Ownership	100.000	MMLIC	
0000			62-1210532				Tremont Group Holdings, Inc.	NY	NIA	Oppenheimer Acquisition Corp.	Ownership.	100.000	MMLIC	
0000			06-1121864		0000764139		Tremont Partners, Inc.	CT	NIA	Tremont Group Holdings, Inc.	Ownership	100.000	MMLIC	
							Tremont Capital Management (Ireland)				·			
0000							Limited	IE	NIA	Tremont Group Holdings, Inc	Ownership	100.000	MMLIC	
0000			20-8215352				Tremont GP, Inc.	DE	NIA	Tremont Group Holdings, Inc	Ownership	100.000	MMLIC	
0000							Settlement Agent LLC	DE	NIA	Tremont Group Holdings, Inc	Ownership	100.000	_ MMLIC	
0000							Tremont (Bermuda) Limited	BM	NIA	Tremont Group Holdings, Inc	Ownership	100.000	. MMLIC	
0000			00 0044005				MassMutual Baring Holding LLC	DE	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC	
0000			98-0241935	2363071			Baring Asset Management LLC MassMutual Holdings (Bermuda) Limited	MA	NIA	MassMutual Baring Holding LLC	Ownership	100.000	MMLIC	
0000							massmutual Holdings (Bermuda) Limited	BM	NIA	MassMutual Baring Holding LLC	Ownership	100.000	MMLIC	
0000								DIVI	NIA	MassMutual Holdings (Bermuda)	. Owner Strip	100.000		
0000			98-0241935				Baring Asset Management Limited	GB	NIA	Limited	Ownership	_100.000	MMLIC	
5000			00 0211000				Baring International Investment			211111100	Owner our p			
0000			98-0457328				Limited	GB	NIA	Baring Asset Management Limited	Ownership	100.000	MMLIC	
							Baring International Investment							
0000			98-0457587				Management Holdings	GB	NIA	Baring Asset Management Limited	Ownership	100.000	MMLIC	
							Baring Asset Management UK Holdings			Baring International Investment				
0000			98-0457576				Limited	GB	NIA	Management Holdings	Ownership	100.000	. MMLIC	
										Baring Asset Management UK				
0000			. 98-0465031				Baring Asset Management GmbH	Germany	NIA	Holdings Limited	Ownership	100.000	MMLIC	
0000			00 0504074				Baring Asset Management (Asia)	1.117		Baring Asset Management UK		400 000	188 10	
0000			98-0524271				Holdings Limited Baring International Fund Managers	HK	NIA	Holdings Limited Baring Asset Management (Asia)	Ownership	100.000	MMLIC	
0000			98-0457465				(Bermuda) Limited	BM	NIA	Holdings Limited	Ownership	100.000	MMLIC	
0000			. 30-043/403				Baring Asset Management (Asia)	IVI	NIA	Baring Asset Management (Asia)	Owner Sirrp	100.000	. IVIMLIO	
0000			98-0457463				Limited	HK	NIA	Holdings Limited	Ownership	100.000	MMLIC	
			00 0 101 100 1111				Baring Asset Management (Japan)			Baring Asset Management (Asia)	VIII 0111 p			
0000			98-0236449				Limited	JP	NIA	Holdings Limited	Ownership	100.000	. MMLIC	
			ĺ				Baring Asset Management (Australia)			Baring Asset Management (Asia)				
0000			98-0457456				Pty Limited	AU	NIA	Holdings Limited	Ownership	100.000	_ MMLIC	
							Baring International Fund Managers			Baring Asset Management UK			l	
0000			98-0524272				(Ireland) Limited	IE	NIA	Holdings Limited	Ownership	100.000	_ MMLIC	
0000			98-0524275				Baring Asset Management (CI) Limited	GG	NIA	Baring Asset Management UK	Ownership.	100.000	MMLIC	
0000			90-00242/5						NIA	Holdings Limited Baring Asset Management UK	ownership	100.000	. WINILIU	
0000			98-0457707				Baring SICE (Taiwan) Limited	TW	NIA	Holdings Limited	Ownership.	100.000	MMLIC	
0000							Dailing GIOL (Talwall) Limited			Baring Asset Management UK	omiloi airip	100.000	. mmL1V	
0000			98-0497550				Baring France SAS	FR	NIA	Holdings Limited	Ownership	100.000	MMLIC	
			1				3			Baring Asset Management UK	p			
0000							Baring Korea Limited	KR	NIA	Holdings Limited	Ownership	100.000	MMLIC	
0000			98-0457586				Baring Fund Managers Limited	GB	NIA	Baring Asset Management Limited	Ownership	100.000	MMLIC	
0000			98-0457574				Baring Pension Trustees Limited	GB	NIA	Baring Asset Management Limited	Ownership	100.000	_ MMLIC	
0000			98-0457578				Baring Investment Services Limited	GB	NIA	Baring Asset Management Limited	Ownership	100.000	MMLIC	
0000			04.0546444				MassMutual International Holding MSC,		No. 4	W W. A	0	100 000	188 10	
0000			04-3548444	1160004	0001050664		Inc.	MA TN	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC	
0000			62-0951563 04-3324233	1160004	0001259664		First Mercantile Trust Company	IN DE	NIANIA	MassMutual Holding LLC MassMutual Holding LLC	Ownership	100.000	MMLIC	
0000			04-3324233				MML Realty Management Corporation	DE MA	NIANIA.	MassMutual Holding LLC MassMutual Holding LLC	Ownership	100.000	MMLIC	
0000			U4-244024U				wwi nearty management corporation	NM	NIA	IMASSMULUAT FOTUTTY LLC	_ ownerstrip	100.000	. WINL I U	

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

Name of Securities Exchange Names of Company Federal Code Number RSSD CIK Name of Securities Exchange Portion Ownership	13 If Control is Owner- ship Provide Percen- tage	Ultimate Controlling Entity(ies)/Person(s)	*	
NAIC Company Federal ID Code Company Federal ID Code Number Code Number Code Number Code (U.S. or International) Number Code of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other) Ownership	Control is Owner- ship Provide Percen- tage	Ultimate Controlling Entity(ies)/Person(s)	*	
Code Group Name Federal ID Code Number RSSD CIK (IL.S. or International) Names of Parent, Subsidiaries Ciliary English Eng	of Control (Ownership, Board, Management, Attorney-in-Fact, Influence, Other) Ownership	is Owner- ship Provide Percen- tage	Ultimate Controlling Entity(ies)/Person(s)	*
Code Group Name Federal D Code Number Federal Pederal Pedera	Board, Management, Attorney-in-Fact, Influence, Other) Ownership Ownership Ownership	Owner- ship Provide Percen- tage	Ultimate Controlling Entity(ies)/Person(s)	*
Croup Company Federal ID Code Number RSSD CIK (IJ.S. or International) Code Number RSSD CIK (IJ.S. or International) Code City City Code City Code City Code City Code City City Code City Code City City Code City Management, Attorney-in-Fact, Influence, Other) Ownership Ownership Ownership Ownership	ship Provide Percen- tage	Ultimate Controlling Entity(ies)/Person(s)	*	
Code Group Name Federal ID Code Number RSSD CIK (IL.S. or International) Names of Parent, Subsidiaries Ciliary English Eng	Attorney-in-Fact, Influence, Other) Ownership Ownership Ownership Ownership	Provide Percentage	Ultimate Controlling Entity(ies)/Person(s)	*
Group Group Name Code Number Rederal D Federal Code Number RSSD CIK (U.S. or International) Or Affiliates Location Entity (Name of Entity)	by Influence, Other) Ownership	Percentage	Ultimate Controlling Entity(ies)/Person(s)	*
Group Group Name Code Number Rederal D Federal Code Number RSSD CIK (U.S. or International) Or Affiliates Location Entity (Name of Entity)	by Influence, Other) Ownership	Percentage	Ultimate Controlling Entity(ies)/Person(s)	*
Code Group Name Code Number RSSD CIK (U.S. or Infernational) Or Affiliates Location Entity Name of EntityP	Ownership	tage	Entity(ies)/Person(s)	*
D000	Ownership	100.000		
DOCO	Ownership		MMLIC	
	Ownership		WINE TO	
D000	Ownership	100.000		
Masshutal External Benefits Group Masshutal External Benefits Group LC DE NIA Masschasetts Mutual Li Insurance Corpany Masshutal External Benefits Group LC DE NIA Masschasetts Mutual Li Insurance Corpany Masschasetts Mutual Li Insurance Corpany Masschasetts Mutual Li Masschasetts Masschasetts Mutual Li Massch	Ownership			
December December	Ownership	1	WINLIO	
		100.000	MMLIC	
	Ownership		WINILTO	
MML Re Finance LLC		_100.000	MML1C	
		100.000	MMLIC	
MP-Apts LLC		400.000	188 10	
,0000	Ownership	100.000	MMLIC	
Description		400 000	188 10	
	Ownership	100.000	MMLIC	
D000	Ownership	50.000	MMLIC	
Decompany				
DE	Ownership	20.900	MMLIC	
DE NIA Insurance Company Jefferies Finance LLC DE NIA Babson Capital Management MML Private Equity Fund Investor LLC DE NIA Babson Capital Management MMSasachusetts Mutual Li Insurance Company Massachusetts Mutual Li Insurance Company Massachusetts Mutual Li Insurance Company Almack Mezzanine Fund I LP GB NIA Insurance Company Almack Mezzanine Fund I LP GB NIA C.M. Life Insurance Company Almack Mezzanine Fund I LP GB NIA C.M. Life Insurance Company Almack Mezzanine Fund I Unleveraged LP GB NIA Babson Capital Europe L Massachusetts Mutual Li Insurance Company Almack Mezzanine Fund II Unleveraged LP GB NIA Babson Capital Europe L Massachusetts Mutual Li Almack Mezzanine Fund II Unleveraged LP GB NIA Babson Capital Europe L Massachusetts Mutual Li Insurance Company Almack Mezzanine Fund II Unleveraged LP GB NIA Babson Capital Europe L Massachusetts Mutual Li Insurance Company Almack Mezzanine Fund II Unleveraged LP GB NIA Babson Capital Europe L Massachusetts Mutual Li Insurance Company				
DE	Ownership	45.000	MMLIC	
DE				
MML Private Equity Fund Investor LLC	Ownership	45.000	MMLIC	1
	LLCOwnership	5.000	MMLIC	
	· ·			
Almack Mezzanine Fund I LP GB NIA Insurance Company Almack Mezzanine Fund I LP GB NIA C.M. Life Insurance Company Almack Mezzanine Fund I LP GB NIA C.M. Life Insurance Company Almack Mezzanine Fund I Unleveraged LP GB NIA Insurance Company Almack Mezzanine Fund II Unleveraged LP GB NIA Babson Capital Europe L Insurance Company Almack Mezzanine Fund II Unleveraged LP GB NIA Babson Capital Europe L Massachusetts Mutual Li Almack Mezzanine Fund III LP GB NIA Insurance Company	Ownership	100.000	MMLIC	
Almack Mezzanine Fund LP GB NIA Insurance Company				
## Almack Mezzanine Fund LP	Ownership	41.100	MMLIC	
		4.800	MMLIC	
Almack Mezzanine Fund II Unleveraged LP GB NIA Insurance Company Almack Mezzanine Fund II Unleveraged LP GB NIA Babson Capital Europe L Massachusetts Mutual Li Almack Mezzanine Fund III LP GB NIA Insurance Company Almack Mezzanine Fund III LP GB NIA Insurance Company			MMLIC	
Almack Mezzanine Fund II Unleveraged LP GB NIA Babson Capital Europe L Massachusetts Mutual Li Almack Mezzanine Fund III LP GB NIA Insurance Company		72.900	MMLIC	
	owner strip	2.000	IIIILI O	
Massachusetts Mutual Li 	ited Management		MMLIC	
	Ownership	35.400	MMLIC	
Laiman Marzanina Fund III IV GR MIA IC M Lita Indurance Come		2.600	MMLIC	
Almack Mezzanine Fund III LP GB NIA Babson Capital Europe L		2.000	MMLIC	
Massachusetts Mutual Li			IVIIIILIV	
Massachusetts Mutual L1	Ownership.	53.400	MMLIC	
55-0886109 0001321302 Babson Capital High Yield LLC		6.400	MMLIC	
0000 Babson Capital High Yield LLC		0.400	MMLIC	
Babson Capital High Yield LLC NIA Babson Capital Managemei			IVIMIL I U	
		100 000	MMLIC	
	Ownership	100.000	IMMLIC	
Babson Capital Core Fixed Income Fund			188 10	
			MMLIC	
Babson Capital Floating Rate Income Massachusetts Mutual Li				
	Ownership	29.800	MMLIC	
Babson Capital Floating Rate Income				
	·		MMLIC	
Cayman Massachusetts Mutual Li	LLC Management			
	LLC Management	100.000	MMLIC	
Cayman	LLC Management	1		
Babson Capital Loan Partners I, L.P. IslandsNIABabson Capital Managemen	LLC Management	1	IMMLIC	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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											of Control (Ownership,	Control is		
											Board,	Owner-		
									Relationship		Management,	ship		
		NAIC				Name of Securities Exchange	Names of	Domi-	to		Attorney-in-Fact,	Provide		
Group		Company	Federal ID	Federal		if Publicly Traded	Parent, Subsidiaries	ciliary	Reporting	Directly Controlled by	Influence,	Percen-	Ultimate Controlling	
Code	Group Name	Code	Number	RSSD	CIK	(U.S. or International)	Or Affiliates	Location	Entity	(Name of Entity/Person) Massachusetts Mutual Life	Other)	tage	Entity(ies)/Person(s)	
0000			37-1506417				Babson Capital Loan Strategies Fund,	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	78.500	MMLIC	2
9000			07 1000417				Babson Capital Loan Strategies Fund,			Trisur under Company	. Owner strip	0.000	- WINE 10	
000Q			37-1506417				L.P	DE	NIA	C.M. Life Insurance Company	Ownership	3.800	MMLIC	2
							Babson Capital Loan Strategies Fund,							
0000			37-1506417				L.PBabson Capital Total Return Fund L.P.	DE	NIA	Babson Capital Management LLC Massachusetts Mutual Life	. Management		MMLIC	2
0000			27-3524290				babson capital lotal neturn runu L.r.	DE	NIA	Insurance Company	Ownership	99.900	MMLIC	
							Babson Capital Total Return Fund L.P.						1	
0000			27-3524290					DE	NIA	Babson Capital Management LLC	_ Management		MMLIC	
								Cayman	l				l	
0000							Babson CLO Ltd. 2004-I	Islands		Babson Capital Management LLC	. Influence		MMLIC	
0000							Babson CLO Ltd. 2004-II	Cayman Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
0000							Dabson 020 214. 2004 11	Cayman		Babson Sapriar management ELS	. IIII I delice		I MINE TO	
0000							Babson CLO Ltd. 2005-I	Islands	NIA	Babson Capital Management LLC	. Influence		MMLIC	
								Cayman						
0000							Babson CLO Ltd. 2005-II	Islands	NIA	Babson Capital Management LLC	. Influence		MMLIC	
0000							Babson CLO Ltd. 2005-III	Cayman Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	3
0000							Dabson OLO Etu. 2000 TTT	Cayman		Dabson Capital management LLC	. IIII Iuciice		I WINE TO	
0000							Babson CLO Ltd. 2005-III	Islands	NIA	MassMutual Holding LLC	Influence		MMLIC	3
								Cayman						
0000							Babson CLO Ltd. 2006-I	Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
0000							Babson CLO Ltd. 2006-II	Cayman Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
0000							Dabson 020 214. 2000 11	Cayman		Babson Sapriar management ELS	- IIII I delice		- MINIETO	
0000							Babson CLO Ltd. 2007-I	Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
								Cayman						
0000							Babson CLO Ltd. 2008-II	Islands		Babson Capital Management LLC	. Influence		MMLIC	
0000							Babson CLO Ltd. 2011-I	Cayman Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
5000				***************************************	***************************************		545501 0E0 E10. E011 1	.0141143		Massachusetts Mutual Life				
0000			83-0476803				Babson Credit Strategies Fund, L.P	DE	NIA	Insurance Company	Ownership	2.500	MMLIC	
0000			83-0476803				Babson Credit Strategies Fund, L.P	DE	NIA	C.M. Life Insurance Company	Ownership	0.500	MMLIC	
0000			83-0476803				Babson Credit Strategies Fund, L.P	DE Cayman	NIA	Babson Capital Management LLC	. Management	-	MMLIC	
0000							Babson Loan Opportunity CLO, Ltd	Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
								Cayman]					
0000							Babson Mid-Market CLO Ltd. 2007-II	Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
0000			00 0500000					Cayman				00.000	188.10	1.
0000			98-0536233				Benton Street Partners I, L.P.	Islands	NIA	MassMutual Holding LLC	Ownership	93.200	MMLIC	4
0000			98-0536233				Benton Street Partners I, L.P.	Cayman Islands	NIA	Babson Capital Management LLC	_ Management		MMLIC	4
5000					***************************************		South of our rai files 1, Ed.	Cayman		Massachusetts Mutual Life	- managomon t			
0000			98-0536233				Benton Street Partners I, L.P.	Islands	NIA	Insurance Company	Ownership	2.200	MMLIC	4
								Cayman						
0000			98-0536199				Benton Street Partners II, L.P.	Islands		Babson Capital Management LLC Massachusetts Mutual Life	Ownership	98.800	MMLIC	5
0000			74-3182902				Blue Chip Multi-Strategy Fund L.P	DE	NIA	Insurance Company	Ownership	93.500	MML I C	
0000			74-3182902				Blue Chip Multi-Strategy Fund L.P	DE	NIA	C.M. Life Insurance Company	Ownership	6.300	MMLIC	
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											Type	If		
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Group		Company	Federal ID	Federal		if Publicly Traded	Parent, Subsidiaries	ciliary	Reporting	Directly Controlled by	Influence,	Percen-	Ultimate Controlling	
Code	Group Name	Code	Number	RSSD	CIK	(U.S. or International)	Or Affiliates	Location	Entity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	*
0000			74-3182902				Blue Chip Multi-Strategy Fund L.P	DE	NIA	Babson Capital Management LLC	Management		MMLIC	
								Cayman						
0000							Clear Lake CLO, Ltd.	. Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
0000							Connecticut Valley Structured Credit	Cayman	NIA	Babson Capital Management LLC	Influence		MMLIC	
0000							Connecticut Valley Structured Credit	Cayman		Babson Capital Management LLC	Intruence		MINILI C	
0000							CDO III, Ltd.	Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
							,	Cayman		Japon oup tur management 220				
0000							Connecticut Valley CLO Fund IV, Ltd.		NIA	Babson Capital Management LLC	Influence		MMLIC	
								Cayman						
0000							Diamond Lake CLO, Ltd	. 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 GB	NIA NIA	Babson Capital Management LLC 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				
0000			80-0691253 80-0691253		0001517196		Gateway Mezzanine Partners I, L.P.	DE	NIA	Insurance Company	Ownership	12.000	MMLIC	
0000			80-0691253		0001517196		Gateway Mezzanine Partners I, L.P Gateway Mezzanine Partners I, L.P	. DE DE	NIA NIA	C.M. Life Insurance Company Babson Capital Management LLC	Management	12.000	MMLIC	
0000			. 00-0091233		0001317130		dateway mezzaiiile raitileis i, L.r	DE	NIA	Massachusetts Mutual Life	management		WINIL TO	
0000			71-1018134				Great Lakes II LLC	DE	NIA	Insurance Company	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				
0000			56-2505390				Great Lakes LLC	DE	NIA	Insurance Company	Ownership	4.400	MMLIC	
0000			. 56-2505390				Great Lakes LLC	DE Cayman	NIA	.C.M. Life Insurance Company	Ownership	0.500	MMLIC	
0000							Hampden CBO Ltd	Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
0000							Trampuer Obo Etu			Massachusetts Mutual Life	IIII Iuciice		WINE 10	
0000			56-2574568				Invicta Holdings LLC	MA	NIA	Insurance Company	Ownership	87.000	MMLIC	
								Cayman						
0000							Loan Strategies Funding LLC	Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	2
0000							Malin CLO B.V.	GB	NIA	Babson Capital Management LLC	Influence		MMLIC	
0000							Newton CDO Ltd	Cayman	NIA	Babson Capital Management LLC	Influence		MML1C	
0000							Newton ODO Ltd	Cayman		Danson Capital Management LLC	IIII Tuence			-
0000]				Osprey CDO 2006-1	Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
0000							Rockall CLO B.V.	GB	NIA	Babson Capital Management LLC	Influence		MMLIC	
								Cayman						
0000							Saint James River CDO, Ltd	. Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
0000							Calaman Trust 2004 MM	DE	NI A	Cornerstone Real Estate Advisers	Influence		MARILO	
0000							Salomon Trust 2001-MM	DE Cayman	NIA	- LLC	Influence		MML1C	
0000							Sapphire Valley CDO I, Ltd	. Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
000							Somerset Special Opportunities Fund	. 13141143		Massachusetts Mutual Life				
0000			20-8856877		0001409910		L.P.	DE	NIA	Insurance Company	Ownership	33.200	MMLIC	
							Somerset Special Opportunities Fund							
0000			20-8856877		0001409910		L.P	DE	NIA	C.M. Life Insurance Company	Ownership	2.300	MMLIC	

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									Relationship		Management,	ship		
		NAIC				Name of Securities Exchange	Names of	Domi-	to		Attorney-in-Fact,	Provide		
Group		Company	Federal ID	Federal		if Publicly Traded	Parent, Subsidiaries	ciliary	Reporting	Directly Controlled by	Influence,	Percen-	Ultimate Controlling	
Code	Group Name	Code	Number	RSSD	CIK	(U.S. or International)	Or Affiliates	Location	Entity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	*
							Somerset Special Opportunities Fund			L				
0000			20-8856877		0001409910		L.P	DE Cavman	NIA	Babson Capital Management LLC	Management		MMLIC	
0000							Suffield CLO, Limited	Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
0000							Suffred OLO, Ellinted	Cayman		Dabson Capital management LLC	IIII Iuciicc		WINETO	
0000							Summit Lake CLO, Ltd.	Islands	NIA	Babson Capital Management LLC	Influence		MML1C	
							,			Massachusetts Mutual Life				
0000			04-3722906		0001228752		Tower Square Capital Partners, L.P	DE	NIA	Insurance Company	Ownership	28.300	MMLIC	
0000			04-3722906		0001228752		Tower Square Capital Partners, L.P.	DE	NIA	C.M. Life Insurance Company	Ownership	0.100	MMLIC	
0000			04-3722906		0001228752 0001228752		Tower Square Capital Partners, L.P Tower Square Capital Partners, L.P	DE	NIANIA	Babson Capital Management LLC MassMutual Holding LLC	Management Ownership	3.700	MMLIC	
טטטע			. 04-3/22900		000 1228/32		Tower Square Capital Partners, L.P Tower Square Capital Partners II, L.P.		NIA	Massachusetts Mutual Life	owner strip		, WINIL TO	
0000			30-0336246		0001345379	1		DE	NIA	Insurance Company	Ownership	28.700	MML1C	
							Tower Square Capital Partners II, L.P.			,,				
0000			30-0336246		0001345379			DE	NIA	C.M. Life Insurance Company	Ownership	3.900	MMLIC	
							Tower Square Capital Partners II, L.P.							
0000			30-0336246		0001345379			DE	NIA	Babson Capital Management LLC	Management		MMLIC	
0000			30-0336246		0001345379		Tower Square Capital Partners II, L.P.	DE	NIA	MassMutual Holding LLC	Ownership	0.100	MMLIC	
0000			. 30-0330240		0001343379		Tower Square Capital Partners II-A,	µ⊏	NIA	Massachusetts Mutual Life	Owner Strip	0.100	MINIETO	
0000			32-0160190				L.P.	DE	NIA	Insurance Company	Ownership	75.400	MMLIC	
							Tower Square Capital Partners II-A,			, , , , , , , , , , , , , , , , , , , ,				
0000			32-0160190				L.P	DE	NIA	C.M. Life Insurance Company	Ownership	15.000	MMLIC	
							Tower Square Capital Partners II-A,							
000Q			32-0160190				L.P.	DE	NIA	Babson Capital Management LLC	Management		MMLIC	
0000			41-2280127		0001447547		Tower Square Capital Partners III,	DE	NIA	Babson Capital Management LLC	Management		MMLIC	
0000			41-2200127		000 1447 347		Tower Square Capital Partners III,	DL	NIA	Dabson Capital Management LLC	manayement		WINE TO	
0000			41-2280127		0001447547		L.P.	DE	NIA	MassMutual Holding LLC	Ownership	0.100	MMLIC	
							Tower Square Capital Partners IIIA,			Massachusetts Mutual Life	·			
0000			41-2280129		0001447548		L.P	DE	NIA	Insurance Company	Ownership	88.300	MMLIC	
0000			44 0000400		0001447540		Tower Square Capital Partners IIIA,	DE	NII A	Daham Casidal Maranasid II C	M		104 10	
0000			41-2280129		0001447548		L.r	Cayman	NIA	Babson Capital Management LLC	Management		MMLIC	
0000							Victoria Falls CLO. Ltd.	Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
,								Cavman		Daboon Capital management 220				
0000							Vinacasa CLO, Ltd.	Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
1								Cayman						
0000							Whately CDO, Ltd	Islands	NIA	Babson Capital Management LLC	Influence		MMLIC	
0000							Winterest Conital Dantons I D	Cayman	NII A	Massachusetts Mutual Life	O	75 700	MM 10	
0000							Winterset Capital Partners, L.P	Cayman	NIA	Insurance Company	Ownership	75.700	MMLIC	
0000							Winterset Capital Partners, L.P	Islands	NIA	C.M. Life Insurance Company	Ownership	2.300	MMLIC	
							and the same of th	Cayman		2.10 modianos company				
000Ω							Winterset Capital Partners, L.P	Islands	NIA	Babson Capital Management LLC	Management		MMLIC	
										Massachusetts Mutual Life	-			
0000			20-4981369		0001371601		Wood Creek Multi Asset Fund, L.P	DE	NIA	Insurance Company	Ownership	100.000	MMLIC	
0000			20-4981369		0001371601		Wood Creek Multi Asset Fund, L.P	DE	NIA	Babson Capital Management LLC	Management		MMLIC	
0000			04-1590850				Wood Creek Venture Fund LLC	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	60.000	MML1C	
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Cough Cough Cough Federal D Fede										Relationship		Management,	ship		
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Code Code	Group		Company	Federal ID	Federal			Parent, Subsidiaries		Reporting	Directly Controlled by			Ultimate Controlling	
Second S		Group Name			RSSD	CIK		Or Affiliates							*
		•					,							1, , , , ,	
	0000			11-3789446				Baring Focused EAFE Equity Fund	DE	NIA	Insurance Company	Ownership	15.600	MMLIC	
1.00	0000			11-3789446					DE	NIA	Baring Asset Management Limited			MMLIC	
Description Description								Baring Focused International Equity			-				
1000 1000	0000			01-0850479		0001443715		Fund	DE	NIA	Baring Asset Management Limited	Management		MMLIC	
Second S								Baring Global Dynamic Asset			Massachusetts Mutual Life				
Decomposition Decompositio	0000			30-0607379		0001497049		Allocation Fund	DE	NIA	Insurance Company	. Ownership	31.100	MMLIC	
								Baring Global Dynamic Asset							
Second S															
200 20 4197796 50 50 50 50 50 50 50 5	0000			39-2059577		0001491482			DE	NIA		Management		MMLIC	
Barriag International Staff Dec Early DE NA Barriag datast Management Limited Management Male				ĺ											
	0000			26-4142796					DE	NIA	Insurance Company	Ownership	100.000	MMLIC	
Multi-Epology Clearly Agreegate Note Multi-Epology Clearly Agreegate Note No				ĺ											
Diversified Particle Diversified Particle	0000			26-4142796					DE	NIA	Baring Asset Management Limited	Management		MMLIC	
1															
1 Fair Pier Bouleard Mehrer LLC	0000			26-1896226				Diversified Portfolio	DE	NIA	Baring Asset Management Limited	Management		MMLIC	
12-18 Vest 55th Street															
1000 20-254828 Predevolopment, LLC CT NIA Insurance Corpany Omerable 20-200 Mal C	0000			90-0728785					CT	NIA		Ownership	100.000	_ MMLIC	
12-18 Next 12-															
December Profession Profession Profession December LLC	0000			20-2548283					CT	NIA	Insurance Company	. Ownership	92.000	MMLIC	
000															
SOURCE S	0000			20-2548283				Predevelopment, LLC	CT	NIA		Ownership	8.000	MMLIC	
Description Description															
1000 10000 10000 10000 10000 10000 10000 10000 10000	0000			80-0729557				50 Northern Avenue Member LLC	CT	NIA		Ownership	100.000	_MMLIC	
AT Mid-Atlantic Office Portfolio LLC DE Missachusetts Mutual Life Onership 20,000 Mal. C															
	0000			20-54814//					CI	NIA		. Ownership	100.000	MMLIC	
AT Mid-Atlantic Office Portfolio LLC	0000			45 0770004				Al Mid-Atlantic Office Portfolio LLC	DE.				00 000	100	
	0000			45-27/9931					DE	NIA	Insurance Company	Ownership	90.000	MMLIC	
20-4570515 0001362970 Babson Mezzanine Real ty Investors DE NIA Insurance Company Ownership 35.800 MM.I.C	0000			45 0770004				Al Mid-Atlantic Office Portfolio LLC	DE.				40.000	100	
20.4570515 0001362870 Babson Mezzanine Real ty Investors DE NIA Insurance Company Ownership 35.800 MALC	0000			45-2779931					DE	NIA		. Uwnersnip	10.000	_ MML1C	
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D000 D001862970 Babson Mezzanine Real ty Investors I DE NIA LC Management MMLIC DE NIA LC Massachusetts Mutual Life DE NIA LC Massachusetts Mutual Life DE NIA LC Massachusetts Mutual Life DE NIA LC DE NIA DE DE NIA DE DE DE DE DE DE DE D	0000			20-40/0010		. 000 1302970		Danson wezzamme nearty investors I	VE	N1A		Owner Strip	1.900	WINE IC	
Babson Mezzanine Realty Investors II	0000			20_4570515		0001362070		Rahean Mazzanina Realty Invastora	DE	NI A		Management		IMM IC	
DE	0000			. 20-43/03/13		. 000 1002870			₽⊑	NIA	LLO	manayement		. IVIIVIL I U	
December December	0000			24_1446970		0001362070		Danson wezzanine nearty investors in	DE	NIA		Ownership	80 000	IMM IC	
DE	0000			1170310		000 1002810		Rahson Mazzanina Realty Investors II	µL			- OHIIGI SIII P	00.000	. mm_10	
ChC/RFP VI Core LLC	0000			24-1446070		0001362070		Danson wezzamne nearty mivestors in	DE	NΙΔ		Management		IMM IC	
	0000								DL	NI/		. manayement			
	0000							CHC/REP VI Core II C	CT	NIA		Ownershin	100 000	MMLIC	
	0000							VIII VI 0010 LE0	ا ت			. Omioi oni p			
Cornerstone Apartment Venture III, DE NIA LLC Influence MMLIC DE Massachusetts Mutual Life De Museum De De De De De De De D	0000			06-1595820				Cornerstone Apartment Fund I IIC	CT	NIA		Influence		MMLIC	
	0000		.	20-5786329	l	0001386622			DE	NIA	LLC	Influence.	l	MMLIC	
				1							Massachusetts Mutual Life				
	0000		.	56-2639862	l	.		Cornerstone Austin Industrial LP	TX	NIA		Ownership	65.000	IMMLIC	
Cornerstone Austin Park Central LP Massachusetts Mutual Life	0000			56-2639862				Cornerstone Austin Industrial LP	TX	NIA		Ownership	_100.000	MMLIC	
	0000			56-2639862					TX	NIA	Insurance Company	Ownership	32.000	MMLIC	

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											Board,	Owner-		
									Relationship		Management,	ship		
		NAIC				Name of Securities Exchange	Names of	Domi-	to		Attorney-in-Fact,	Provide		
0			FIIID	Fadanal						Diversity Os esteralle el levi	Altorney-In-Fact,		I litimo et e Cometano liimon	
Group		Company	Federal ID	Federal	0114	if Publicly Traded	Parent, Subsidiaries	ciliary	Reporting	Directly Controlled by	Influence,	Percen-	Ultimate Controlling	_
Code	Group Name	Code	Number	RSSD	CIK	(U.S. or International)	Or Affiliates	Location	Entity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	
										Cornerstone Real Estate Advisers				
0000			. 27-1701733				Cornerstone Core Mortgage Fund LP	DE	NIA	LLC	Management		MMLIC	
							Cornerstone Core Mortgage Venture I			Cornerstone Real Estate Advisers				
0000			27-1701622				LP	DE		LLC	Ownership	50.000	MMLIC	
										Massachusetts Mutual Life	,			
0000			26-1244346				Cornerstone Eldridge Park II LP	TX	NIA	Insurance Company	Ownership	50.000	MMLIC	
							Cornerstone Fort Pierce Development			Massachusetts Mutual Life	O III O I I I P		mile 10	
0000			56-2630592				IIC	CT	NIA	Insurance Company	Ownership	11.000	MMLIC	
			. 30 2030332				LLU			Massachusetts Mutual Life	_ Owner Sirip	11.000	WIME TO	
0000			20-8730751				0	DE	NII A		0	92.300	MMLIC	
							Cornerstone Global REIT Corporation	DE	NIA	Insurance Company	Ownership			
0000			20-8730751				Cornerstone Global REIT Corporation	DE	NIA	C.M. Life Insurance Company	Ownership	7.600	MMLIC	
										Massachusetts Mutual Life				
0000			. 20-5578165				Cornerstone Holding LP	CT	NIA	Insurance Company	Ownership	47.000	MMLIC	
							Cornerstone Hotel Income and Equity			Cornerstone Real Estate Advisers				
0000			26-1528817		0001423638		Fund II (PF) LP	DE	NIA	LLC	Management		MMLIC	
							Cornerstone Patriot Non-REIT Holding			Massachusetts Mutual Life				
0000			20-5567494				LLC	CT	NIA	Insurance Company	Ownership	46.000	MMLIC	
							Cornerstone Real Estate Fund VIII			Cornerstone Real Estate Advisers				
0000			27-5209432				(PF) LP	DE	NIA	II C	Management		MML1C	
0000			. 21-3209432				Cornerstone Real Estate Fund VIII LP	DL	NIA	Cornerstone Real Estate Advisers	. management		WINILIU	
0000			07 0547450				Cornerstone Real Estate Fund VIII LP	DE	NII A	Cornerstone Heal Estate Advisers	I. Ohmon		MMLIC	
0000			27-0547156					DE	NIA	LLC	Influence		MMLIC	
										Massachusetts Mutual Life				
0000			. 20-4224383				CREA Juanita Village LLC	CT	NIA	Insurance Company	Ownership	96.000	MMLIC	
0000			20-4224383				CREA Juanita Village LLC	CT	NIA	C.M. Life Insurance Company	Ownership	4.000	MMLIC	
										Massachusetts Mutual Life				
0000			26-1816861				CREA/Legacy Federal Way LLC	CT	NIA	Insurance Company	Ownership	_100.000	MML I C	
							,			Massachusetts Mutual Life	,			
0000			26-2399532				CREA/LYON West Gateway, LLC	CT	NIA	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	
			20 2000002				CREA/Nexus Anaheim Corners Holdings			Massachusetts Mutual Life	. United Strip	10.000	WINETO	
0000			07 0004500				II C	OT	NII A		O	CE 000	10.0 10	
טטטע			27-2934589				LLV	CT	NIA		Ownership	65.000	MMLIC	
										Massachusetts Mutual Life				
0000			20-0348173				CREA/PPC Venture LLC	CT	NIA	Insurance Company	Ownership	93.000	MMLIC	
										Massachusetts Mutual Life				1
0000			20-4087568				CREA/Windstar Dublin-Pleasanton LLC	CT	NIA	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	
										Massachusetts Mutual Life				
0000			90-0789078	l			CREA/XISC Torrance Industrial LLC	CT	NIA	Insurance Company	Ownership	88.000	MMLIC	
0000			90-0789078				CREA/XISC Torrance Industrial LLC	CT	NIA	C.M. Life Insurance Company	Ownership.		MMLIC	
							XIOO IOITANOO INGGOTTAT ELO			Massachusetts Mutual Life				
			26-1611591	3956836			Fallon Cornerstone One MPD LLC	CT	NIA	Insurance Company	Ownership	91.000	MML1C	1
			26-1611591	3956836			Fallon Cornerstone One MPD LLC	CT					MMLIC	
0000				J900050			ration cornerstone one MPD LLC	انا	NIA	C.M. Life Insurance Company	Ownership	9.000	WINIL I U	
										Massachusetts Mutual Life				1
0000			20-3347091				Fan Pier Development LLC	CT	NIA	Insurance Company	Ownership	100.000	MMLIC	
										Massachusetts Mutual Life				1
0000			20-4834392				Flower Mound Warehouse	TX	NIA	Insurance Company	Ownership	88.500	MMLIC	
0000			20-4834392				Flower Mound Warehouse	TX	NIA	C.M. Life Insurance Company	Ownership	11.500	MMLIC	
										Massachusetts Mutual Life				
0000			11-3677334				Gallery Place Equity LLC	CT	NIA	Insurance Company	Ownership	50.000	MMLIC	1
							darrory riddo Equity LEO			Massachusetts Mutual Life			mm=10	
0000			54-2029484				C+ O-1: A++- 110	CT	NILA		O	77 000	MMLIC	1
			54-2029484				Great Oak Apartments LLC	U	NIA	Insurance Company	Ownership	77.000	WINLIU	

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											of Control	Control		
											(Ownership,	is		
									Relationship		Board,	Owner- ship		
		NAIC				Name of Securities Exchange	Names of	Domi-	to		Management, Attorney-in-Fact,	Provide		
Group		Company	Federal ID	Federal		if Publicly Traded	Parent, Subsidiaries	ciliary	Reporting	Directly Controlled by	Influence,	Percen-	Ultimate Controlling	
Code	Group Name	Code	Number	RSSD	CIK	(U.S. or International)	Or Affiliates	Location	Entity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	*
0000	G. GGP : Valle	0000	54-2029484		O	(G.G. G. International)	Great Oak Apartments LLC	CT	NIA	C.M. Life Insurance Company	Ownership	23.000	MMLIC	
										Massachusetts Mutual Life				
0000			20-8298948				Hanover Preferred Facility LLC	DE	NIA	Insurance Company	Ownership	45.000	MMLIC	
0000			20-8298948				Hanover Preferred Facility LLC	DE	NIA	C.M. Life Insurance Company	Ownership	5.000	MMLIC	
										Cornerstone Real Estate Advisers				
0000			20-8298948				Hanover Preferred Facility LLC	DE	NIA	LLC	Management		- MMLIC	
0000			20-4819358				Johnston Groves LLC	CT	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
0000			20-40 19330				Johnston Groves LLC		NIA	Massachusetts Mutual Life	Owner Strip	100.000	. WINLIC	
0000			27-4592707				Kierland AZ LLC	CT	NIA	Insurance Company	Ownership	79.000	MMLIC	
0000			27-4592707				Kierland AZ LLC	CT	NIA	C.M. Life Insurance Company	Ownership	21.000	MMLIC	
							MassMutual Boston Capital Mezzanine			Massachusetts Mutual Life				
0000			20-4570515				Partners II LP	CT	NIA	Insurance Company	Ownership	28.500	MMLIC	
							MassMutual Boston Capital Mezzanine			Massachusetts Mutual Life				
0000			20-4570515				Partners II LP	CT	NIA	Insurance Company	Ownership	28.500	MMLIC	
0000			00 5004750					ο.		Massachusetts Mutual Life		00 500	188 10	
0000			20-5984759 20-5984759				Metropolitan At Lorton	CT	NIANIA	Insurance Company	Ownership	6.500	MMLICMMLIC	
0000			20-0964709				Metropolitan At Lorton	ا با	NIA	C.M. Life Insurance Company Massachusetts Mutual Life	Ownership	0.00		
0000			30-0713071				Riva Portland LLC	CT	NIA	Insurance Company	Ownership	100.000	MMLIC	
0000			30 07 1307 1				Sawgrass Village Shopping Center LLC	ا لا		Massachusetts Mutual Life	Owner Strip	100.000	- WINE TO	
0000			27-2977720				Sangrass Tirrage Shopping Conter EEC	CT	NIA	Insurance Company	Ownership	84.000	MMLIC	
							Sawgrass Village Shopping Center LLC			, , , , , , , , , , , , , , , , , , , ,				
0000			27-2977720					CT	NIA	C.M. Life Insurance Company	Ownership	16.000	MMLIC	
										Massachusetts Mutual Life				
0000			45-4606547				UK LIW Manager LLC	CT	NIA	Insurance Company	Ownership	100.000	MMLIC	
0000			45-4606547				IIIZ I IIW Marikana I I O	CT	ALL A	Massachusetts Mutual Life	0	100 000	MH 10	
0000			45-4606547				UK LIW Member LLC		NIA	Insurance Company Massachusetts Mutual Life	Ownership	100.000	MMLIC	
0000			20-2970495				Waterford Development Associates	PA	NIA	Insurance Company	Ownership	90.000	MMLIC	
9000			20 20/0400				mater for a beveropment Associates	I //		Massachusetts Mutual Life	Owner Strip	00.000	WILL TO	
0000			45-2628608				Stonebriar Frisco MM LLC	CT	NIA	Insurance Company	Ownership	100.000	. MMLIC	
										Massachusetts Mutual Life	·			
0000			26-2384708				Wesley Chapel Theaters LLC	CT	NIA	Insurance Company	Ownership	90.000	MMLIC	
0000			26-2384708				Wesley Chapel Theaters LLC	CT	NIA	C.M. Life Insurance Company	Ownership	10.000	MMLIC	
0000			45 0400000				MassMutual Barings Dynamic Allocation			Massachusetts Mutual Life		00 000	100	
0000			45-3168892			00	Fund	MA	NIA	Insurance Company	Ownership	99.900	MMLIC	
0000			04-3212054		0000927972	00	MassMutual Premier Balanced Fund	МΔ	NIA	Massachusetts Mutual Life Insurance Company	Ownership	4.200	MMLIC	
0000			04-32 12034		0000921912	00	MassMutual Premier Capital	IVIA	NIA	Massachusetts Mutual Life	Owner Strip	4.200		
0000			51-0529336		0000927972	00	Appreciation Fund	MA	NIA	Insurance Company	Ownership	5.800	MMLIC	
,			0. 0020000				The second control of the second control of			Massachusetts Mutual Life	0p			
0000			04-3277549		0000927972	0Q	MassMutual Premier Core Bond Fund	MA	NIA	Insurance Company	Ownership	3.000		
							MassMutual Premier Disciplined Value			Massachusetts Mutual Life				
0000			04-3539084		0000927972	00	Fund	MA	NIA	Insurance Company	Ownership	0.700	MMLIC	
							<u> </u>			Massachusetts Mutual Life			l	
0000			04-3520009		0000927972	00	MassMutual Premier High Yield Fund	MA	NIA	Insurance Company	Ownership	20.800	- MMLIC	
0000			03-0532475		0000927972	00	MassMutual Premier Inflation- Protected and Income Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	9.400	MMLIC	
			00-0002410		0000321312	04	MassMutual Premier International	IVIM	NI M	Massachusetts Mutual Life	Omilet Still	J.400	WINK_10	
0000			04-3212044		0000927972	00	Equity Fund	MA	NIA	Insurance Company	Ownership	4.100	MMLIC	
										vompani,	1		·····-·-··	

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									Relationship		Management,	ship		
		NAIC				Name of Securities Exchange	Names of	Domi-	to		Attorney-in-Fact,	Provide		
Group		Company	Federal ID	Federal		if Publicly Traded	Parent, Subsidiaries	ciliary	Reporting	Directly Controlled by	Influence,	Percen-	Ultimate Controlling	
Code	Group Name	Code	Number	RSSD	CIK	(U.S. or International)	Or Affiliates	Location	Entity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	*
							MassMutual Premier International Bond			Massachusetts Mutual Life				
0000			26-1345534		0000927972	0Q	Fund	MA	NIA	Insurance Company	Ownership	99.200	MMLIC	
0000			04 0004705		0000007070		MassMutual Premier Small/Mid Cap			Massachusetts Mutual Life		40.000	188.10	
0000			. 04-3224705		0000927972	0Q	Opportunities Fund	MA	NIA	Insurance Company Massachusetts Mutual Life	Ownership	10.800	MMLIC	
0000			26-3229251		0000927972	00	Markets Fund	МΔ	NIA	Insurance Company	Ownership	49.100	MMLIC	
0000			20 3223231		0000321312	04	markets runu	INI/		Massachusetts Mutual Life	Office strip		- WINE TO	
0000			04-3277550		0000927972	0Q	MassMutual Premier Value Fund	MA	NIA	Insurance Company	Ownership	3.200	MMLIC	
							MassMutual Select Diversified Value			Massachusetts Mutual Life	·			
0000			01-0821120		0000916053	0Q	Fund	MA		Insurance Company	Ownership	0.700	MMLIC	
							MassMutual Select Focused Value Fund		l	Massachusetts Mutual Life				
0000			. 04–3512590		0000916053	00		MA	NIA	Insurance Company	Ownership	3.000	MMLIC	
0000			04-3584138		0000916053	00	MassMutual Select Fundamental Value Fund	МΔ	NIA	Massachusetts Mutual Life Insurance Company	Ownership	1.100	MMLIC	
0000			. 04-3304 130		0000910033	04	MassMutual Select Growth	IMA	NIA	Massachusetts Mutual Life	Owner strip	1. 100	INMLIC	
0000			04-3512589		0000916053	0Q	Opportunities Fund	MA	NIA	Insurance Company	Ownership	0.100	MML1C	
							MassMutual Select Indexed Equity Fund			Massachusetts Mutual Life				
0000			. 04-3410047		0000916053	0Q		MA	NIA	Insurance Company	Ownership	1.800	MMLIC	
							MassMutual Select Large Cap Value			Massachusetts Mutual Life				
0000			. 04-3513019		0000916053	0Q	Fund	MA	NIA	Insurance Company	Ownership	2.200	MMLIC	
0000			04-3512596		0000916053	00	MassMutual Select Mid Cap Growth Equity II Fund	МΔ	NIA	Massachusetts Mutual Life Insurance Company	Ownership	1.600	MMLIC	
0000			. 04-3312390		0000910055	00	MassMutual Select Mid-Cap Value Fund	IMA		Massachusetts Mutual Life	Owner Strip	1.000	- WMLTC	
0000			42-1710935		0000916053	0Q		MA	NIA	Insurance Company	Ownership	1.400	MMLIC	
										Massachusetts Mutual Life	·			
0000			04-3557000		0000916053	0Q	MassMutual Select Overseas Fund	MA	NIA	Insurance Company	Ownership	7.600	MMLIC	
0000			04 0404005		0000040050		MassMutual Select Small Cap Growth	МА		Massachusetts Mutual Life		4 000	188.10	
0000			. 04-3464205		0000916053	00	Equity Fund	MA	NIA	Insurance Company Massachusetts Mutual Life	Ownership	1.900	MMLIC	
0000			04-3584141		0000916053	00	Growth Fund	MA	NIA	Insurance Company	Ownership	100.000	MMLIC	
0000					0000010000	O4	MassMutual Select Small Company Value	W/\		Massachusetts Mutual Life	Owner simp		- MINIETO	
0000			. 04-3584140		0000916053	0Q	Fund	MA	NIA	Insurance Company	Ownership	0.800	MMLIC	
									1	Massachusetts Mutual Life				
0000			. 04–3557001		0000916053	00	MassMutual Select Value Equity Fund	MA	NIA	Insurance Company	Ownership	96.500	MMLIC	
0000			26-2997893		0000067160		MML China Fund	МА	NI A	Massachusetts Mutual Life	Ownership	100.000	MML1C	
0000			20-299/693		0000007 100		MIVIL CITTIA FUNG	MA	NIA	Insurance Company Massachusetts Mutual Life	Ownership	100.000	- MINIL I U	
0000			04-3557005		0000067160		MML Enhanced Index Core Equity Fund	MA	NIA	Insurance Company	Ownership	14.000	MMLIC	
			1						1	Massachusetts Mutual Life]	
0000			27-1933828		0000916053		MassMutual RetireSMART 2015 Fund	MA	NIA	Insurance Company	Ownership	27.800	MMLIC	
]	Massachusetts Mutual Life				
0000			27-1933753		0000916053		MassMutual RetireSMART 2025 Fund	MA	NIA	Insurance Company	Ownership	36.700	MMLIC	
0000			27-1933389		0000916053		MassMutual RetireSMART 2035 Fund	МΔ	NIA	Massachusetts Mutual Life Insurance Company	Ownership	41.100	MMLIC	
0000							massmatuar not neomhin 2000 i unu	NI\		Massachusetts Mutual Life	omici sirip	100		
0000			27-1932769		0000916053		MassMutual RetireSMART 2045 Fund	MA	NIA	Insurance Company	Ownership	61.400	MMLIC	
										Massachusetts Mutual Life				
0000			. 26-1345332		0000916053		MassMutual RetireSMART 2050 Fund	MA	NIA	Insurance Company	Ownership	29.400	MMLIC	
0000			00 0500404		0000040050		MassMutual RetireSMART In Retirement			Massachusetts Mutual Life	0h:	00 500	100	
0000			. 03-0532464		0000916053		Fund	MA	NIA	Insurance Company	Ownership	86.500	MMLIC	

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											(Ownership,	is		
											Board,	Owner-		
									Relationship		Management,	ship		
		NAIC				Name of Securities Exchange	Names of	Domi-	to		Attorney-in-Fact,	Provide		
Group		Company	Federal ID	Federal		if Publicly Traded	Parent, Subsidiaries	ciliary	Reporting	Directly Controlled by	Influence,	Percen-	Ultimate Controlling	
Code	Group Name	Code	Number	RSSD	CIK	(U.S. or International)	Or Affiliates	Location	Entity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	*
							MassMutual RetireSMART Conservative			Massachusetts Mutual Life				
0000			45-1618155		0000916053		Fund	MA		Insurance Company	Ownership	3.600	MMLIC	
										Massachusetts Mutual Life				
0000			45-1618222		0000916053		MassMutual RetireSMART Growth Fund	MA	NIA	Insurance Company	Ownership	54.700	MMLIC	
							MassMutual RetireSMART Moderate Fund			Massachusetts Mutual Life				
0000			45-1618262		0000916053			MA	NIA	Insurance Company	Ownership	4.400	MMLIC	
							MassMutual RetireSMART Moderate			Massachusetts Mutual Life				
0000			45-1618046		0000916053		Growth Fund	MA	NIA	Insurance Company	Ownership	1.900	MMLIC	
								Cayman						
0000							HarbourView CLO 2006-1 Limited	Islands	NIA	OppenheimerFunds, Inc	Influence		MMLIC	
0000			61-1504919				Oppenheimer Absolute Return Fund	MA	NIA	OppenheimerFunds, Inc	Ownership	100.000	MMLIC	
							Oppenheimer Capital Appreciation Fun-	d		Massachusetts Mutual Life				
0000			13-3054122		0000319767			MA	NIA	Insurance Company	Ownership	0.500	MMLIC	
										Massachusetts Mutual Life				
0000			84-1073463		0001116894		Oppenheimer Main Street Fund	MA	NIA	Insurance Company	Ownership	0.300	MMLIC	
										Massachusetts Mutual Life				
0000			22-3849391		0001163166		Oppenheimer Real Estate Fund	MA	NIA	Insurance Company	Ownership	3.800	MMLIC	
0000			27-5013457				Oppenheimer Short Duration Fund	MA	NIA	OppenheimerFunds, Inc	Ownership	61.100	MMLIC	
0000			13-3949688				Rye Select Broad Market Prime	DE	NIA	Tremont Group Holdings, Inc	Influence		MMLIC	

Asterisk	Explanation
1 Massachusetts Mutual Life Insurance Company owns 9% of the d	ebt of Jefferies Finance LLC
2 Babson Capital Loan Strategies Fund, L.P. owns 65.3% of the d	ebt 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.
	ntercompany ownerships for Babson Credit Strategies Fund. L.P. for 4.3% and Blue Chip Multi-Strategy Fund L.P. for 0.9%. MassMutual Holding LLC also owns a position in Benton Street Partners I, L.P.
5 The Benton Street II, L.P. ownership percentage of 98.8% incl	udes 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.	

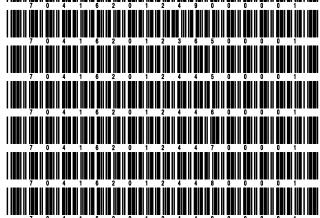
SUPPLEMENTAL EXHIBITS AND SCHEDULES INTERROGATORIES

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 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 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 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 and Consistency of Assumptions Certification required by Actuarial Guideline XXXVI [Document Identifier 448] 6.
- Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXVI (Updated Market Value) [Document Identifier 449]



NONE

SCHEDULE A - VERIFICATION

Real Estate

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

SCHEDULE B - VERIFICATION

Mortgage Loans

	* *	1	2
			Prior Year Ended
		Year to Date	December 31
1.	Book value/recorded investment excluding accrued interest, December 31 of prior year	6,068,370	6,800,884
2.	Cost of acquired:		
	2.1 Actual cost at time of acquisition		
	2.2 Additional investment made after acquisition	623	1,985
3.	Capitalized deferred interest and other		
4.			2,049
5.	Unrealized valuation increase (decrease)		
6.	Total gain (loss) on disposals Deduct amounts received on disposals		
7.	Deduct amounts received on disposals	156,952	724 , 107
8.	Deduct amortization of premium and mortgage interest points and commitment fees	2,460	12,441
9.	Total foreign exchange change in book value/recorded investment excluding accrued interest		
10.	Deduct current year's other than temporary impairment recognized		
11.	Book value/recorded investment excluding accrued interest at end of current period (Lines 1+2+3+4+5+6-7-8+9-10)	5,910,705	6,068,370
12.	Total valuation allowance		
13.	Subtotal (Line 11 plus Line 12)	5,910,705	6,068,370
14.	Deduct total nonadmitted amounts		
15.	Statement value at end of current period (Line 13 minus Line 14)	5,910,705	6,068,370

SCHEDULE BA - VERIFICATION

Other Long-Term Invested Assets

	Care Long Torm my colour scotts		
		1	2
			Prior Year Ended
		Year to Date	December 31
1.	Book/adjusted carrying value, December 31 of prior year		
2.	Cost of acquired:		
	2.1 Actual cost at time of acquisition		
	2.2 Additional investment made after acquisition		
3.	Capitalized deferred interest and other		
4.	Accrual of discount		
5.	Unrealized valuation increase (decrease)		
6.	Total gain (loss) on disposals		
7.	Deduct amounts received on disposals		
8.	Deduct amortization of premium and depreciation		
9.	Total foreign exchange change in book/adjusted carrying value		
10.	Deduct current year's other than temporary impairment recognized		
11.	Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5+6-7-8+9-10)		
12.	Deduct total nonadmitted amounts		
13.	Statement value at end of current period (Line 11 minus Line 12)		

SCHEDULE D - VERIFICATION

Bonds and Stocks

		1	2
			Prior Year Ended
		Year to Date	December 31
1.	Book/adjusted carrying value of bonds and stocks, December 31 of prior year	180,319,571	142,663,041
2.	Cost of bonds and stocks acquired	351,479	61, 177, 832
3.	Accrual of discount	377,875	1,227,447
4.	Unrealized valuation increase (decrease)	675	(75)
5.	Total gain (loss) on disposals	242,254	213,984
6.	Deduct consideration for bonds and stocks disposed of	7,578,111	24,073,943
7.	Deduct amortization of premium	73,251	282,935
8.	Total foreign exchange change in book/adjusted carrying value		
9.	Deduct current year's other than temporary impairment recognized	112,391	605,780
10.	Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5-6-7+8-9)		
11.	Deduct total nonadmitted amounts		
12.	Statement value at end of current period (Line 10 minus Line 11)	173,528,101	180,319,571

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

	Dunig	1	or all Borids and Pr	3	uing Glass	5	6	7	8
		Book/Adjusted Carrying Value Beginning of Current Quarter	Acquisitions During Current Quarter	Dispositions During Current Quarter	Non-Trading Activity During Current Quarter	Book/Adjusted Carrying Value End of First Quarter	Book/Adjusted Carrying Value End of Second Quarter	Book/Adjusted Carrying Value End of Third Quarter	Book/Adjusted Carrying Value December 31 Prior Year
BONDS									
,	(a)	116,624,292	2,499,933	8, 180,007	1,574,683	112,518,901			116,624,292
2. Class 2 ((a)	71,026,838	168,621,607	140,202,910	(599,326)	98,846,209			71,026,838
3. Class 3 ((a)	2,910,171		45,280	(225,495)	2,639,396			2,910,171
4. Class 4 ((a)	1,211,175		21,928	(132,708)	1,056,539			1,211,175
5. Class 5 ((a)	1,093,057		10,969	(149,474)	932,614			1,093,057
6. Class 6 ((a)	202,741			532	203,273			202,741
7. Total Box	onds	193,068,274	171, 121,540	148,461,094	468,212	216, 196, 932			193,068,274
PREFER	RRED STOCK								
8. Class 1									
9. Class 2.									
10. Class 3.									
11. Class 4.									
12. Class 5 .									
13. Class 6									
14. Total Pre	referred Stock								
15. Total Bo	onds and Preferred Stock	193,068,274	171, 121,540	148,461,094	468,212	216, 196, 932			193,068,274

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

SCHEDULE DA - PART 1

		Short-Te	rm Investments			
		1	2	3	4	5
	N	Boo Adjurted Carting alue	P W ue	Actual Cost	Interest Collected Year-to-Date	Paid for Accrued Interest Year-to-Date
9199999 Totals			кXX			
		V				

SCHEDULE DA - VERIFICATION

Short-Term Investments

	Short-term investments	1	2
		ı ı	2
			Prior Year Ended
		Year To Date	December 31
			- aaa .aa
1.	Book/adjusted carrying value, December 31 of prior year		5,998,162
2.	Cost of short-term investments acquired		8.865.529
3.	Accrual of discount		11, 102
4	Unrealized valuation increase (decrease)		
7.			
5.	Total gain (loss) on disposals		74
6.	Deduct consideration received on disposals		14.874.867
0.			14,074,007
7.	Deduct amortization of premium		
	Table for sing any house of the state of the		
8.	Total foreign exchange change in book/adjusted carrying value		
9.	Deduct current year's other than temporary impairment recognized		
10.	Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5-6-7+8-9)		
11	Deduct total nonadmitted amounts		
''-	bodds total northern amounts.		
12.	Statement value at end of current period (Line 10 minus Line 11)		

Schedule DB - Part A - Verification - Options, Caps, Floors, Collars, Swaps and Forwards NONE

Schedule DB - Part B - Verification - Futures Contracts $N\ O\ N\ E$

Schedule DB - Part C - Section 1 - Replication (Synthetic Asset) Transactions (RSATs) Open NONE

Schedule DB-Part C-Section 2-Reconciliation of Replication (Synthetic Asset) Transactions Open $N\ O\ N\ E$

Schedule DB - Verification - Book/Adjusted Carrying Value, Fair Value and Potential Exposure of Derivatives

NONE

SCHEDULE E - VERIFICATION

(Cash Equivalents)

	75.05 45.057	1	2
		Year To Date	Prior Year Ended December 31
1.	Book/adjusted carrying value, December 31 of prior year	12,748,702	24,697,522
2.	Cost of cash equivalents acquired	170,770,060	586,482,217
3.	Accrual of discount	33,058	114 , 130
4.	Unrealized valuation increase (decrease)		
5.	Total gain (loss) on disposals	1	148
6.	Deduct consideration received on disposals	140,882,982	598,545,315
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)	42,668,839	12,748,702
11.	Deduct total nonadmitted amounts		
12.	Statement value at end of current period (Line 10 minus Line 11)	42,668,839	12,748,702