QUARTERLY STATEMENT

OF THE

C.M. Life Insurance Company

TO THE

Insurance Department

OF THE

STATE OF

FOR THE QUARTER ENDED JUNE 30, 2014

LIFE AND ACCIDENT AND HEALTH

2014



LIFE AND ACCIDENT AND HEALTH COMPANIES - ASSOCIATION EDITION

QUARTERLY STATEMENT

AS OF JUNE 30, 2014 OF THE CONDITION AND AFFAIRS OF THE

NAIC Group Code 0435 0435 NAIC Company Code 93432 Employer's ID Number 06-1041383

Organized under the Law	(Current) s of Conr	(Prior) necticut ,	State of Domicile or Port of E	Entry Connecticut		
Country of Domicile		United States of	America			
Incorporated/Organized _	04/25/1980		Commenced Business	05/12/1981		
Statutory Home Office	100 Bright Meado			Enfield , CT, US 06082		
	(Street and N	lumber)	(City or	Town, State, Country and Zip Code)		
Main Administrative Office	e	1295 State S (Street and N				
	Springfield , MA, US 01111	(Street and N	/	413-788-8411		
(Ci	ty or Town, State, Country and Zip			rea Code) (Telephone Number)		
Mail Address	1295 State Stree	et ,		Springfield , MA, US 01111		
	(Street and Number or F	P.O. Box)	(City or	Town, State, Country and Zip Code)		
Primary Location of Books	s and Records	1295 State	Street			
•		(Street and N	umber)			
(Ci	Springfield , MA, US 01111 ty or Town, State, Country and Zip	Code)	(Δ	413-788-8411 rea Code) (Telephone Number)		
Internet Website Address		www.massmut	•	(Telephone Number)		
			addi.com			
Statutory Statement Cont	act Tamm	y A. Peatman (Name)	;	413-744-6327 (Area Code) (Telephone Number)		
	tpeatman@massmutual.com	,,		413-226-4086		
	(E-mail Address)			(FAX Number)		
		OFFICE	RS			
President and Ch		m Crandall	Tropouror	Todd Carett Diekon		
	cer Roger Willia ary Christine Car			Todd Garett Picken Isadore Jermyn		
	gs Executive Vice President and Financial Officer	OTHEI Mark Douglas Roellig Exec General Co	utive Vice President and	Michael Robert Fanning Executive	· Vice President	
	bett Executive Vice President					
	m Crandall - Chairman Douglas Roellig	DIRECTORS OR Michael Rober				
State of	Massachusetts Hampden	SS:				
all of the herein describe statement, together with rondition and affairs of the in accordance with the N rules or regulations requespectively. Furthermore exact copy (except for for to the enclosed statement of the enclosed s	d assets were the absolute proper elated exhibits, schedules and exp e said reporting entity as of the rep AIC Annual Statement Instructions uire differences in reporting not reporting to the statement instruction of the statement in the statem	ry of the said reporting entity, frice the said reporting entity, frice and forting period stated above, and counting Practices and Felated to accounting practices the described officers also include the said report of the said reporting practices.	ee and clear from any liens exed or referred to, is a full a procedures manual except to and procedures, according les the related corresponding may be Peaslee	orting entity, and that on the reporting per or claims thereon, except as herein st not true statement of all the assets and litherefrom for the period ended, and have the extent that: (1) state law may differ to the best of their information, known greater of their information, who have requested by various regulators in life and Garett Pick Treasurer Todd Garett Pick Treasurer Yes [X] N	ated, and that this iabilities and of the ve been completed or; or, (2) that state whedge and belief, required, that is an eu of or in addition	
Subscribed and sworn to da			b. If no, 1. State the amendm 2. Date filed	ent number	1	

ASSETS

		<u></u>	Current Statement Date	`	4
		1	2	3 Net Admitted Assets	December 31 Prior Year Net
		Assets	Nonadmitted Assets	(Cols. 1 - 2)	Admitted Assets
	Bonds	4,281,160,331		4,281,160,331	4,695,111,925
	Stocks:	07 000 070		07 000 070	00 500 005
	2.1 Preferred stocks			27,303,876	
	2.2 Common stocks	215,445,520		215,445,520	204,249,194
	Mortgage loans on real estate:	000 004 000		000 004 000	004 400 400
	3.1 First liens			899,804,629	
	3.2 Other than first liens				
	Real estate:				
	4.1 Properties occupied by the company (less \$				
	encumbrances)				
	4.2 Properties held for the production of income (less	00 005 101		00 005 404	00 004 000
	\$6,605,000 encumbrances)	29,223, 161		29,225,161	20,991,002
	4.3 Properties held for sale (less \$				
	encumbrances)				
5.	Cash (\$744,522), cash equivalents				
	(\$261,361,426) and short-term				
	investments (\$43,941,006)			306,046,955	214,670,238
6.	Contract loans (including \$ premium notes)	143,132,551	·		178,511,352
7.	Derivatives	399,032,304		399,032,304	
8.	Other invested assets			239,415,485	
9.	Receivables for securities	136,473,686		136,473,686	106,115,018
10.	Securities lending reinvested collateral assets				
11.	Aggregate write-ins for invested assets				
12.	Subtotals, cash and invested assets (Lines 1 to 11)	6,682,275,916	5,242,513	6,677,033,403	6,982,774,951
13.	Title plants less \$ charged off (for Title insurers				
	only)				
14.	Investment income due and accrued	83,503,510	334,276	83,169,234	93,657,432
	Premiums and considerations:				
	15.1 Uncollected premiums and agents' balances in the course of collection	52,474	1,618	50,856	513,508
	15.2 Deferred premiums, agents' balances and installments booked but				
	deferred and not yet due (including \$				
	earned but unbilled premiums)	(24,917,047)		(24,917,047)	(26, 145, 083)
	15.3 Accrued retrospective premiums				
	Reinsurance:				
	16.1 Amounts recoverable from reinsurers	13,053,366		13,053,366	5,087,536
	16.2 Funds held by or deposited with reinsured companies				
	16.3 Other amounts receivable under reinsurance contracts	10,980,535		10,980,535	8,706,844
17.	Amounts receivable relating to uninsured plans				
	Current federal and foreign income tax recoverable and interest thereon				
	Net deferred tax asset			49,008,067	45,445,360
19.	Guaranty funds receivable or on deposit	3,380,691		3,380,691	1,936,449
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	1,040		1,040	
23.	Receivables from parent, subsidiaries and affiliates	313,868		313,868	319,625
	Health care (\$) and other amounts receivable				
25.	Aggregate write-ins for other than invested assets	831,654	760,464	71,190	66,232
26.	Total assets excluding Separate Accounts, Segregated Accounts and	0 004 070 074	100 100 000	0 040 445 000	7 440 000 040
	Protected Cell Accounts (Lines 12 to 25)	6,921,278,071	109,132,868	6,812,145,203	7,112,362,910
27.	From Separate Accounts, Segregated Accounts and Protected Cell Accounts	1.889.431.780		1,889,431,780	1,871,660,569
28.	Total (Lines 26 and 27)	8,810,709,851	109,132,868	8,701,576,983	8,984,023,479
	DETAILS OF WRITE-INS	-,,,	,,	-,,	-,,
1101.	DETAILS OF WHITE INC				
1101.					
1103.	Summary of remaining write-ins for Line 11 from overflow page				
	Summary of remaining write-ins for Line 11 from overflow page		 		
1199.	Totals (Lines 1101 through 1103 plus 1198)(Line 11 above)	00E 7F4	204 EC4		66 000
	Miscellaneous		,	,	•
	Commissions and expenses on long term lease				
	Cash advanced to agents				
	Summary of remaining write-ins for Line 25 from overflow page				
2599.	Totals (Lines 2501 through 2503 plus 2598)(Line 25 above)	831,654	760,464	71,190	66,232

LIABILITIES, SURPLUS AND OTHER FUNDS

	EIABIEITIES, SOITI EOS AND OTTIETT O	1	2
	Appropriate vectors for life contracts (f) 4 599 611 014 Jacob (included in Line C.)	Current Statement Date	December 31 Prior Year
	Aggregate reserve for life contracts \$4,588,611,014 less \$		
3.	Liability for deposit-type contracts (including \$		
4.	Contract claims: 4.1 Life		
5.	4.2 Accident and health and coupons \$ due and unpaid		
	Provision for policyholders' dividends and coupons payable in following calendar year - estimated amounts:		
	6.1 Dividends apportioned for payment (including \$		
	6.2 Dividends not yet apportioned (including \$ Modco)		
7.	Amount provisionally held for deferred dividend policies not included in Line 6		
8.	Premiums and annuity considerations for life and accident and health contracts received in advance less \$	20 727	11 650
9.	\$ accident and nealth premiums	39,727	11,000
	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		
	9.3 Other amounts payable on reinsurance, including \$ assumed and \$1,282,996		
	ceded	1,282,996 [5,308,464
10.		20,000,000	
	\$ and deposit-type contract funds \$		
	Commissions and expense allowances payable on reinsurance assumed		
	General expenses due or accrued	45,732	31,111
	allowances recognized in reserves, net of reinsured allowances)	(9, 188, 005)	(9,031,777)
14.	Taxes, licenses and fees due or accrued, excluding federal income taxes	3,947,876	2,340,143
	Current federal and foreign income taxes, including \$		
16.	Unearned investment income	19,472	12,264
	Amounts withheld or retained by company as agent or trustee		
18. 19.	Amounts held for agents' account, including \$ agents' credit balances	(179 164 473)	18 070 741
20.	Net adjustment in assets and liabilities due to foreign exchange rates		
21.	Liability for benefits for employees and agents if not included above		
22. 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 and certified (\$) companies		
	24.04 Payable to parent, subsidiaries and affiliates		
	24.05 Drafts outstanding		
	24.06 Liability for amounts held under uninsured plans		
	24.08 Derivatives	397,989,030	403,968,631
	24.09 Payable for securities		
	24.10 Payable for securities lending		
25.	Aggregate write-ins for liabilities	558,713,068	370,174,525
26.	Total liabilities excluding Separate Accounts business (Lines 1 to 25)	5,634,267,252	6,041,158,715
	From Separate Accounts Statement Total liabilities (Lines 26 and 27)	1,889,431,780 7,523,699,032	1,871,660,569 7,912,819,284
29.	Common capital stock		2,500,000
30.	Preferred capital stock		
31. 32.	Aggregate write-ins for other than special surplus funds		
	Gross paid in and contributed surplus		
34.	Aggregate write-ins for special surplus funds		
35. 36.	Unassigned funds (surplus) Less treasury stock, at cost:	725,101,743	618,427,987
00.	36.1shares common (value included in Line 29 \$		
	36.2 shares preferred (value included in Line 30 \$		
37. 38.	Surplus (Total Lines 31+32+33+34+35-36) (including \$	1,175,377,951 1,177,877,951	1,068,704,195 1,071,204,195
39.	Totals of Lines 28 and 38 (Page 2, Line 28, Col. 3)	8,701,576,983	8,984,023,479
	DETAILS OF WRITE-INS	101 270 005	100 000 000
2501. 2502.	Repurchase agreements and interest expense		186,398,309
2503.	Derivative interest expense	60,233,323	68,065,555
2598.	Summary of remaining write-ins for Line 25 from overflow page	1,680,864	
2599. 3101.	Totals (Lines 2501 through 2503 plus 2598)(Line 25 above)	558,713,068	370, 174, 525
3101.			
3103.			
3198.	Summary of remaining write-ins for Line 31 from overflow page		
3199. 3401.	Totals (Lines 3101 through 3103 plus 3198)(Line 31 above)		
3402.			
3403.	Cummany of rampining with ing fay Ling 24 from quarillaw page		
3498. 3499.	Summary of remaining write-ins for Line 34 from overflow page		
	, , , , , , , , , , , , , , , , , , , ,	L	

SUMMARY OF OPERATIONS

		1 1	2	3
		Current Year	Prior Year	Prior Year Ended
		To Date	To Date	December 31
1.	Premiums and annuity considerations for life and accident and health contracts	169,551,498	180,439,547	355,588,737
2.	Considerations for supplementary contracts with life contingencies	896,981	250,869	620,257
3.	Net investment income	163,459,429	164,999,054	342,249,277
4.	Amortization of Interest Maintenance Reserve (IMR)	11,110,685	3,671,669	8,898,183
5.	Separate Accounts net gain from operations excluding unrealized gains or losses			
6.	Commissions and expense allowances on reinsurance ceded	3,593,727	9,527,359	18,542,547
7.	Reserve adjustments on reinsurance ceded		(10,425,206)	(21,993,585)
8.	Miscellaneous Income:			1
	8.1 Income from fees associated with investment management, administration and contract			I
	guarantees from Separate Accounts.	20,861,396	20,701,841	41,709,819
	8.2 Charges and fees for deposit-type contracts			ļ
	8.3 Aggregate write-ins for miscellaneous income	1,119,321	994,224	2,074,205
9.	Totals (Lines 1 to 8.3)	370,593,037	370,159,357	747,689,440
	Death benefits	59.847.335	32,130,021	69,604,100
11.	Matured endowments (excluding guaranteed annual pure endowments)			
12.	Annuity benefits		48,376,053	95,062,313
13.	Disability benefits and benefits under accident and health contracts	224 375		1,070,289
14.	Coupons, guaranteed annual pure endowments and similar benefits			1,070,200
15.	Surrender benefits and withdrawals for life contracts		234 . 799 . 145	487,083,985
16.	Group conversions			
			657 607	2,056,090
17.	Interest and adjustments on contract or deposit-type contract funds	1,820,100	037,7007	
18.	Payments on supplementary contracts with life contingencies		310,153	702,522
	Increase in aggregate reserves for life and accident and health contracts		(14,155,870)	(67,414,323)
20.	Totals (Lines 10 to 19)	300,851,810	302,765,529	588, 164,976
21.	Commissions on premiums, annuity considerations, and deposit-type contract funds (direct	44 000 711	44 000 010	00 707 70
	business only)	ļ1,392,711 <u> </u>	11,933,012	23,765,594
22.	Commissions and expense allowances on reinsurance assumed			
23.	General insurance expenses	18,814,947	18,314,448	36,358,345
24.	Insurance taxes, licenses and fees, excluding federal income taxes	5,561,741	3,961,756	9,798,398
25.	Increase in loading on deferred and uncollected premiums	(162,830)	(106,942)	92,633
26.	Net transfers to or (from) Separate Accounts net of reinsurance			(142,285,644)
27.	Aggregate write-ins for deductions	20,566,007	(21,722)	241,599
28.	Totals (Lines 20 to 27)		272,940,089	516, 135, 901
29.	Net gain from operations before dividends to policyholders and federal income taxes (Line 9 minus	, ,	, , ,	, , , , , , , , , , , , , , , , , , , ,
	Line 28)	69,126,629	97,219,268	231,553,539
30.	Dividends to policyholders		, , , , , , , , , , , , , , , , , , , ,	
31.	Net gain from operations after dividends to policyholders and before federal income taxes (Line 29			
01.	minus Line 30)	69,126,629	97,219,268	231,553,539
32.	Federal and foreign income taxes incurred (excluding tax on capital gains)		28,343,347	49,881,521
33.	Net gain from operations after dividends to policyholders and federal income taxes and before	10, 104,000	20,040,041	70,001,021
33.	realized capital gains or (losses) (Line 31 minus Line 32)	55,942,539	68,875,921	181,672,018
34.	Net realized capital gains (losses) (excluding gains (losses) transferred to the IMR) less capital			
34.	gains tax of \$(897,570) (excluding taxes of \$10,668,766			I
		(6,547,771)	(250,308)	(11,054,679)
0.5	transferred to the IMR)		. , ,	
35.	Net income (Line 33 plus Line 34)	49,394,768	68,625,613	170,617,339
	CAPITAL AND SURPLUS ACCOUNT			I
36.	Capital and surplus, December 31, prior year		960,839,247	960,839,247
37.	Net income (Line 35)		68,625,613	170,617,339
	Change in net unrealized capital gains (losses) less capital gains tax of \$(283,786)			
39.	Change in net unrealized foreign exchange capital gain (loss)	1,100,585	(4,786,088)	2,980,291
40.	Change in net deferred income tax	(28,307,050)	27,608,317	30,300,183
41.	Change in nonadmitted assets	40.904.573	(32,229,058)	
	Change in liability for reinsurance in unauthorized and certified companies			
43.	Change in reserve on account of change in valuation basis, (increase) or decrease			(4,209,123)
	Change in asset valuation reserve			
44.				
45.	Change in treasury stock			
46.	Surplus (contributed to) withdrawn from Separate Accounts during period			
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:			Ì
	50.1 Paid in			
	50.2 Transferred from surplus (Stock Dividend)			
	50.3 Transferred to surplus			ļ
51.	Surplus adjustment:			Ì
1	51.1 Paid in			
				I
	51.3 Transferred from capital			
	51.4 Change in surplus as a result of reinsurance			
52.	Dividends to stockholders			
	Aggregate write-ins for gains and losses in surplus		(2,820,000)	(6,483,426)
	Net change in capital and surplus for the year (Lines 37 through 53)		48,930,415	110,364,948
			, ,	
55.	Capital and surplus, as of statement date (Lines 36 + 54)	1,177,877,951	1,009,769,662	1,071,204,195
00	DETAILS OF WRITE-INS	1 110 001	001 001	0.071.00
	Administrative fee and other income		,	2,074,205
				[
				[
	Totals (Lines 08.301 through 08.303 plus 08.398) (Line 8.3 above)	1,119,321	994,224	2,074,205
2701.	Miscellaneous charges to operations	20,566,007	(21,722)	241,599
				·
	Summary of remaining write-ins for Line 27 from overflow page			
	Totals (Lines 2701 through 2703 plus 2798)(Line 27 above)	20,566,007	(21.722)	241,599
	Other changes in surplus		` ' '	(6,483,426)
	Other changes in surprus		(2,020,000)	(0,400,420)
	Cummany of romaining write ine for Line E2 from quartless nage			
	Summary of remaining write-ins for Line 53 from overflow page		/0.000.000	/0.400.400
5399.	Totals (Lines 5301 through 5303 plus 5398)(Line 53 above)	44,642,487	(2,820,000)	(6,483,426)

CASH FLOW

	CASH FLOW			
		1 Current Year To Date	2 Prior Year To Date	3 Prior Year Ended December 31
	Cash from Operations	10 Date	10 Date	December 31
1.	·	168,907,563	178,327,123	359,297,409
2.	Net investment income		164,463,317	342,229,704
3.	Miscellaneous income	26,289,943	19,429,813	39,860,33
4.	Total (Lines 1 to 3)	355,376,522	362,220,253	741,387,450
5.	Benefit and loss related payments	, ,	, ,	658,990,756
6.	Net transfers to Separate Accounts, Segregated Accounts and Protected Cell Accounts			
7.	Commissions, expenses paid and aggregate write-ins for deductions		40,929,983	74,688,79
8.	Dividends paid to policyholders			
9.	Federal and foreign income taxes paid (recovered) net of \$			
	gains (losses)	(15,543,827)	1,626,330	44,914,06
10.	Total (Lines 5 through 9)	401.398.520	294,915,725	638,936,67
11.	Net cash from operations (Line 4 minus Line 10)	(46,021,998)	67,304,528	102,450,77
	TVEL CASH HOTH OPERATIONS (Line + Hillings Line TO)	(40,021,000)	07,004,020	102,400,77
	Cash from Investments			
12.	Proceeds from investments sold, matured or repaid:			
	12.1 Bonds	907 431 360	627 390 284	1 318 587 14
	12.2 Stocks			
	12.3 Mortgage loans			
	12.4 Real estate			
	12.5 Other invested assets			
	12.6 Net gains or (losses) on cash, cash equivalents and short-term investments		(255,019)	
	12.7 Miscellaneous proceeds	25,035,736	(66,751,068)	(165,697,99
	12.8 Total investment proceeds (Lines 12.1 to 12.7)			, , , ,
13.	Cost of investments acquired (long-term only):	1,014,700,000	902,043,021	1,000,700,00
13.		450 012 720	972 209 045	1 260 707 47
	13.1 Bonds			
	13.2 Stocks			
	13.3 Mortgage loans 13.4 Real estate		1,065,076	1,286,47
	13.5 Other invested assets	3,474,606		
	13.6 Miscellaneous applications	, ,	(36,301,872)	(19,108,57
	13.7 Total investments acquired (Lines 13.1 to 13.6)	563,887,033	1,017,318,046	1,709,532,01
14.	Net increase (or decrease) in contract loans and premium notes	(36, 176, 880)	(3,647,553)	137,54
15.	Net cash from investments (Line 12.8 minus Line 13.7 and Line 14)	487,026,206	(331,625,472)	(318,881,46
	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	3,601,671	(467,732)	(5,619,80
	16.5 Dividends to stockholders			
	16.6 Other cash provided (applied)	(353,229,162)	(52,473,681)	(67,717,20
17.	Net cash from financing and miscellaneous sources (Line 16.1 through Line 16.4 minus Line 16.5	(349,627,491)	(52,941,413)	(73,337,00
	plus Line 16.6)	(043,021,431)	(32,341,413)	(73,337,000
	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)	91,376,717	(317,262,357)	(289,767,69
19.	Cash, cash equivalents and short-term investments:			
	19.1 Beginning of year	214,670,238	504,437,935	504,437,93
	19.2 End of period (Line 18 plus Line 19.1)	306,046,955	187, 175, 578	214,670,23
sto: O	unplamental disclosures of each flow information for the season transcription			
20.00	upplemental disclosures of cash flow information for non-cash transactions: D1. Policyholders' reserves transferred for reinsurance agreement			
20.00	D2. Bonds transferred for reinsurance agreement	304,271,091		
20.00	D4. Bond conversions and refinancing	26,729,023	23,012,351	39,414,44
	D5. Other invested assets transferred for reinsurance agreement		134,610,368	207.821.70
20.00	07. Other liabilities transferred for reinsurance agreement	2,621,318		
	D8. Interest capitalization for long-term debt			143,61 452,57
	10. Dividend reinvestment			

EXHIBIT 1

DIRECT PREMIUMS AND DEPOSIT-TYPE CONTRACTS

	DIRECT PREMIUMS AND DEPOSIT-TYPE (JUNINACIS	2	3
		Current Year To Date	Prior Year To Date	Prior Year Ended December 31
1.	Industrial life			
2.	Ordinary life insurance	113,748,232	116,489,421	236,035,834
3.	Ordinary individual annuities	129,972,965	135,929,190	269, 140, 278
4.	Credit life (group and individual)			
5.	Group life insurance	(2,143)	(7,244)	1,334,364
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	243,719,054	252,411,367	506,510,477
12.	Deposit-type contracts			
13.	Total	243,719,054	252,411,367	506,510,477
	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 28 Health Care Receivables
- Note 29 Participating Policies
- Note 30 Premium Deficiency Reserves
- Note 31 Reserves for Life Contracts and Annuity Contracts
- Note 32 Analysis of Annuity Actuarial Reserves and Deposit Liabilities by Withdrawal Characteristics
- Note 33 Premium and Annuity Considerations Deferred and Uncollected
- Note 34 Separate Accounts
- Note 35 Loss/Claim Adjustment Expenses
- Note 36 Impairment Listing for Loan-Backed and Structured Securities

Note 1 - Summary of Significant Accounting Policies

a. Accounting practices:

The accompanying financial statements of C.M. Life Insurance Company (the Company) have been prepared in conformity with accounting practices of the Accounting Practices and Procedures Manual as issued by the National Association of Insurance Commissioners (NAIC SAP) and the accounting practices prescribed or permitted by the State of Connecticut Insurance Department (the Department).

	State of			
	Domicile		2014	2013
		(lı	n Millions)	
NET INCOME				
(1) State basis (Page 4, Line 35, Columns 1 & 3)	CT	\$	49	\$ 171
(2) State prescribed practices that increase (decrease) NAIC S	SAP -		-	-
(3) State permitted practices that increase (decrease) NAIC S.	AP -		-	-
(4) NAIC SAP (1-2-3=4)	CT	\$	49	\$ 171
SURPLUS				
(5) State basis (Page 3, Line 38, Columns 1 & 2)	CT	\$	1,178	\$ 1,071
(6) State prescribed practices that increase (decrease) NAIC S	SAP -		-	-
(7) State permitted practices that increase (decrease) NAIC S.	AP -			
(8) NAIC SAP (5-6-7=8)	CT	\$	1,178	\$ 1,071

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

Note 2 - Accounting Changes and Corrections of Errors

- a. 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. For the six months ended June 30, 2014, the Company recorded an increase of \$11 million related to other liabilities. For the six months ended June 30, 2013, the Company recorded a decrease of \$3 million related to premium income (ceded).
- b. Adoption of new accounting standards:

In December 2013, the NAIC issued Statement of Statutory Accounting Principles (SSAP) No. 105, "Working Capital Finance Investments," which establishes statutory accounting principles for working capital finance investments. This statement also amends SSAP No. 20, "Nonadmitted Assets," to allow working capital finance investments as admitted assets to the extent they conform to the requirements of SSAP No. 105. This new guidance was effective January 1, 2014, and did not have an impact on the Company's financial statements.

In December 2013, the NAIC adopted modifications to SSAP No. 26, "Bonds, Excluding Loan-Backed and Structured Securities," to clarify the amortization requirements for bonds with make-whole call provisions and bonds that are continuously callable. These revisions do not allow insurers to consider make-whole call provisions in determining the timeframe for amortizing bond premium or discount unless information is known by the reporting entity indicating that the issuer is expected to invoke the provision. These clarifying changes were effective January 1, 2014, and did not have a significant impact on the Company's financial statements.

$\underline{\textbf{Note 3-Business Combinations and Goodwill}} \text{ - No significant changes}$

Note 4 - Discontinued Operations - No significant changes

Note 5 - Investments

- a. Mortgage loans, including mezzanine real estate loans No significant changes
- b. Debt restructuring No significant changes
- c. Reverse mortgages No significant changes
- d. Loan-backed and structured securities:
 - (1) No significant changes

(2) The following contains loan-backed and structured securities that recognized other-than-temporary impairments (OTTI) classified on the following bases for recognizing OTTI:

	(1)		(3)	
	Amortized		OTTI ognized	
	Cost Basis	in	Loss	
	Before	(2a)	(2b)	Fair Value
	OTTI	Interest	1-(2a+2b)	
		(In I	Millions)	
OTTI recognized in the first quarter	_	_	•	•
a. Intent to sell	\$ -	\$ -	\$ -	\$ -
b. Inability or lack of intent to retain the investme	nt			
in the security for a period of time sufficient to recover the amortized cost basis	11		2	0
c. Total first quarter	<u>11</u> \$ 11	\$ -	\$ 2	\$ 9
C. Total first quarter	Ψ 11	Ψ -	Ψ	ψ
OTTI recognized in the second quarter				
d. Intent to sell	\$ -	\$ -	\$ -	\$ -
e. Inability or lack of intent to retain the investme	nt	•	•	•
in the security for a period of time sufficient to				
recover the amortized cost basis	7	-	-	7
f. Total second quarter	\$ 7	\$ -	\$ -	\$ 7
OTTI recognized in the third quarter				
g. Intent to sell	\$ -	\$ -	\$ -	\$ -
h. Inability or lack of intent to retain the investme	nt			
in the security for a period of time sufficient to				
recover the amortized cost basis		. <u> </u>	<u> </u>	
i. Total third quarter	<u>\$</u> -	<u>\$ -</u>	\$ -	<u>\$ -</u>
OTTI recognized in the fourth quarter				
j. Intent to sell	\$ -	\$ -	\$ -	\$ -
k. Inability or lack of intent to retain the investme	nt			
in the security for a period of time sufficient to				
recover the amortized cost basis		. <u> </u>	. 	
I. Total fourth quarter	<u>\$ -</u>	\$ -	\$ -	<u> </u>
m. Annual Aggregate Total		\$ -	\$ 2	
, anidar , aggregate rotar		Ψ -	Ψ 2	

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

- (3) Refer to Note 36. "Impairment Listing for Loan-Backed and Structured Securities" for a CUSIP detail list of impaired structured securities where the present value of cash flows expected to be collected is less than the amortized cost basis.
- (4) As of June 30, 2014, the gross unrealized losses and fair values for investments in structured and loanbacked securities for which an OTTI has not been recognized in earnings follow (in millions):
 - The aggregate amount of unrealized losses:

1. Less than 12 months	\$	(2)
2. 12 months or longer	\$	(4)
The aggregate related fair value of securities with unrealized l	osses:	
1. Less than 12 months	\$	113
2. 12 months or longer	\$	115

- 2. 12 months or longer
- Repurchase agreements No significant changes

(5) No significant changes

f. Real estate - No significant changes

b.

e.

- Low income housing tax credit properties No significant changes g.
- Restricted assets No significant changes
- Working capital finance investments The Company does not invest in working capital finance investments.

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

Note 7 - Investment Income - No significant changes

Note 8 - Derivative Instruments - No significant changes

Note 9 - Income Taxes - No significant changes

Note 10 - Information Concerning Parent, Subsidiaries and Affiliates

a-d. No significant changes

e. Effective January 1, 2014, the Company recaptured certain life insurance policies that were ceded to the Massachusetts Mutual Life Insurance Company (MassMutual) under a modified coinsurance (Modco) reinsurance arrangement. The Company incurred a \$25 million loss to recapture the business.

Prior to January 1, 2014, the Company had a Modco quota-share reinsurance agreement with MassMutual where the Company ceded 75% of the premium on certain universal life policies. MassMutual had funded the Company a stipulated expense allowance, death and surrender benefits, and a Modco adjustment based on experience. The Company retained the assets and related reserves for payment of future benefits on the ceded policies. The Modco adjustment was the mechanism by which MassMutual funded the reserve on the reinsured portion of the risk. It was needed to adjust for the financial effect of the Company holding the reserves on the ceded coverage rather than MassMutual.

The Company has reinsurance agreements with MassMutual including coinsurance and a stop-loss agreement. With respect to the coinsurance agreement with MassMutual, MassMutual assumes substantially the entire premium on certain universal life policies issued by the Company.

f-I. No significant changes

Note 11 - Debt

- a. No significant changes
- b. The Company is not a member of the Federal Home Loan Bank (FHLB) therefore it has no FHLB funding agreements.

Note 12 – Retirement Plans, Deferred Compensation, Postemployment Benefits and Compensated Absences and Other Postretirement Benefit Plans - No significant changes

<u>Note 13 - Capital and Surplus, Shareholders' Dividend Restrictions and Quasi-Reorganizations</u> - No significant changes

Note 14 - Contingencies

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

The Company is involved from time to time in litigation arising in and out of the normal course of business, which seeks both compensatory and punitive damages. While the Company is not aware of any actions or allegations that should reasonably 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 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.

Note 15 - Leases - No significant changes

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

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

- a. Transfers of receivables reported as sales No significant changes
- b. Transfer and servicing of financial assets:
 - (1) The Company did not participate in securities lending as of June 30, 2014 or December 31, 2013.
 - (2) The Company did not have any servicing assets or liabilities in 2014 or 2013.
 - (3) The Company did not have any servicing assets or liabilities in 2014 or 2013.

- (4) The Company did not have interests that continue to be held by a transferor in securitized financial assets in 2014 or 2013.
- (5) The Company did not have any transfers of financial assets accounted for as secured borrowing in 2014 or 2013.
- (6) The Company did not have any transfers of receivables with recourse in 2014 or 2013.
- (7) Repurchase agreements no significant changes

c. Wash sales:

- (1) In the course of the Company's investment management activities, securities may be sold and reacquired within 30 days of the sale date.
- (2) The Company did not sell any securities with the NAIC Designation 3 or below through the second quarter ended June 30, 2014 that were reacquired within 30 days of the sale date.

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

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

Note 20 - Fair Value Measurements

- a. Fair value as defined and unique level descriptions No significant changes
 - 1. The following presents the Company's fair value hierarchy for assets and liabilities that are carried at fair

luno 20, 2014

June 30, 2014								
							Total	
			(In Mi	llions)				
\$	-	\$	-	\$	1	\$	2	
	-		10		-		10	
	1		-		-		1	
	-		-		2		2	
	6		-		-		6	
	1,889		-		-		1,889	
	-		366		-		366	
	-		32		-		32	
	-		1		-		1	
	-		1		-		1	
	-		-		-			
\$	1,896	\$	411	\$	3	\$	2,310	
\$	-	\$	431	\$	-	\$	431	
	-		384		-		384	
	-		13		-		13	
	-		1		-		1	
	-		-		-			
_		_	000	_		_	000	
\$	-	\$	829	\$	-	\$	829	
	\$	\$ - 1 - 6 1,889 - - - - - \$ 1,896	\$ - \$	Level 1 Level 2 (In Mi)	Level 1 Level 2 Level 2 (In Millions) \$ - \$ 1 \$ 1 - 10 1 - - - 6 -	Level 1 Level 2 Level 3 (In Millions) \$ - \$ 1 \$ 1 - 10 - - - - - - - 1,889 - - - 366 - - 1 - - 1 - - 1 - - 411 \$ 3 \$ 1,896 \$ 411 \$ 3	Level 1 Level 2 Level 3 (In Millions) \$ - \$ 1 \$ 1 \$ - 10 -	

For the six months ended June 30, 2014 there were no significant transfers between Level 1 and Level 2.

	December 31, 2013									
	Le	evel 1	Le	vel 2	Lev	el 3		Total		
				(In Mi	llions)					
Financial assets:										
Bonds:								0		
Industrial and miscellaneous	\$	-	\$	1	\$	1	\$	2		
Parent, subsidiaries and affiliates		-		18		-		18		
Preferred stocks		1		-		-		1		
Common stock - unaffiliated		-		-		2		2		
Common stock - affiliated		6		-		-		6		
Separate account assets		1,872		-		-		1,872		
Derivatives:										
Interest rate swaps		-		387		-		387		
Options		-		31		-		31		
Currency swaps		-		1		-		1		
Forward contracts		-		-		-		-		
Credit default swaps		-		-		-		-		
Total financial assets carried										
at fair value	\$	1,879	\$	438	\$	3	\$	2,320		
Financial liabilities:										
Repurchase agreements	\$	-	\$	186	\$	-	\$	186		
Derivatives:										
Interest rate swaps		-		391		-		391		
Currency swaps		-		10		-		10		
Forward contracts		-		2		-		2		
Credit default swaps		-		1		-		1		
Total financial liabilities carried										
at fair value	\$	-	\$	590	\$		\$	590		

For the year ended December 31, 2013 there were no significant transfers between Level 1 and Level 2.

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

	Balan	ce													Bala	nce	
	as of 01/01/2014		Tran	sfers ⁽¹⁾	Losses i	n	Gains	in							as	as of	
			ln	Out	Net Incon	ne	Surplu	ıs	Purch	ases	Issuan	Issuances		Settlements	06/30/2014		
								(In N	(lillions								
Financial assets:																	
Bonds:																	
Industrial and miscellaneous	\$	1	\$ -	\$ -	\$-		\$	-	\$	-	\$	-	\$ -	\$ -	\$	1	
Common stocks - unaffiliated		2	-	-	((1)		1		-		-	-	-		2	
Total financial assets	\$	3	\$ -	\$ -	\$ ((1)	\$	1	\$	-	\$	_	\$ -	\$ -	\$	3	

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

	Balan as o		Tran	sfers ⁽¹⁾	Gair (Losse:		Losses in	า							Balar as o	
	01/01/2	013	In	Out	Net Inc	ome	Surplus		Purchas	ses	Issuan	ces	Sales	Settlements	12/31/2	2013
							(In	n Mill	ions)							
Financial assets:																
Bonds:																
Industrial and miscellaneous	\$	4	\$ 2	\$ -	\$	(1)	\$	-	\$	-	\$	-	\$ -	\$ (4)	\$	1
Common stock - unaffiliated		2	-	-		-		1		-		-	(1)	-		2
Total financial assets	\$	6	\$ 2	\$ -	\$	(1)	\$	1	\$	-	\$-		\$ (1)	\$ (4)	\$	3

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

- 3. Fair value hierarchy classifications No significant changes
- 4. Valuation techniques and inputs No significant changes

- 5. Derivative assets and liabilities fair value disclosures No significant changes
- b. The Company provides additional fair value information in Notes 1, 5, 8, 21, 32 and 34 on an annual basis.
- c. The following presents a summary of the carrying values and fair values of the Company's financial instruments:

	June 30, 2014											
	_	gregate ir Value		mitted ssets	Le	evel 1 (In M		evel 2	L	evel 3	(0	Not acticable Carrying Value)
Financial assets:						(111 171	IIIOII	5)				
Bonds:												
U. S. government and agencies	\$	301	\$	275	\$	_	\$	300	\$	1	\$	_
All other governments	Ψ	3	·	3	,	_	•	3		_	·	_
States, territories and possessions		88		83		_		88		_		_
Special revenue		95		84		_		95		_		_
Industrial and miscellaneous		3,783		3,545		_		2,322		1,461		_
Parent, subsidiaries and affiliates		318		291		_		141		177		_
Preferred stocks		29		27		14		1		14		_
Common stock - unaffiliated		2		2		_		_		2		_
Common stock - affiliated		6		6		6		_		_		_
Mortgage loans - commercial		692		677		-		-		692		-
Mortgage loans - residential		217		223		-		-		217		-
Cash, cash equivalents and												
short-term investments		306		306		1		305		-		-
Separate account assets		1,889		1,889		1,889		-		-		-
Derivatives:												
Interest rate swaps		366		366		-		366		-		-
Options .		32		32		-		32		-		-
Currency swaps		1		1		-		1		-		-
Forward contracts		1		1		-		1		-		-
Financial liabilities:												
Repurchase agreements		431		431		-		431		-		-
Individual annuity contracts		3,392		3,280		-		-		3,392		-
Supplementary contracts		49		48		-		-		49		-
Derivatives:												
Interest rate swaps		384		384		-		384		-		-
Currency swaps		13		13		-		13		-		-
Forward contracts		1		1		-		1		-		=

December 31, 2013	

	_	gregate		dmitted							Not Practicable (Carrying
	Fa	ir Value	Α	ssets	L	evel 1		evel 2	L	evel 3	Value)
						(In M	illior	าร)			
Financial assets:											
Bonds:	_	200	Φ	207	Φ		Φ	205	Φ.	4	•
U. S. government and agencies	\$	366	\$	337	\$	-	\$	365	\$	1	\$ -
All other governments		2 97		3		-		2 97		-	-
States, territories and possessions				97		-				-	-
Special revenue		131		120		-		131		4 400	-
Industrial and miscellaneous		3,909		3,776		-		2,500		1,409	-
Parent, subsidiaries and affiliates		384		362		-		154		230	_
Preferred stocks		27		27		12		1		14	-
Common stock - unaffiliated		2		2		-		-		2	=
Common stock - subsidiary and affiliate		6		6		6		-		-	-
Mortgage loans - commercial		662		661		-		-		662	-
Mortgage loans - residential		194		200		-		-		194	-
Cash, cash equivalents and											
short-term investments		215		215		(32)		247		-	-
Separate account assets		1,872		1,872		1,872		-		-	-
Derivatives:											
Interest rate swaps		387		387		-		387		-	-
Options		31		31		-		31		-	-
Currency swaps		1		1		-		1		-	-
Forward contracts		-		-		-		-		-	-
Financial liabilities:											
Repurchase agreements		186		186		-		186		-	-
Individual annuity contracts		3,484		3,368		-		-		3,484	-
Supplementary contracts		45		45		-		-		45	-
Derivatives:											
Interest rate swaps		391		391		-		391		-	-
Currency swaps		10		10		-		10		-	-
Forward contracts		2		2		-		2		-	-
Credit default swaps		1		1		-		1		-	-

d. For the six months ended June 30, 2014, the Company had no investments where it was not practicable to estimate fair value.

Note 21 - Other Items

- a. Extraordinary items No significant changes
- b. Troubled debt restructuring No significant changes
- c. Other disclosures and unusual items No significant changes

Business risks

The Company operates in a business environment subject to various risks and uncertainties. Such risks and uncertainties include, but are not limited to, currency exchange risk, interest rate risk and credit risk. Interest rate risk is the potential for interest rates to change, which can cause fluctuations in the value of investments and amounts due to policyholders. To the extent that fluctuations in interest rates cause the duration of assets and liabilities to differ, the Company manages its exposure to this risk by, among other things, asset/liability management techniques that account for the cash flow characteristics of the assets and liabilities. This quarterly risks and uncertainties disclosure should be read in conjunction with the statutory disclosure in the Company's 2013 year end annual financial statements.

Currency exchange risk

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

Investment and interest rate risks

As interest rates increase, certain debt securities may experience slower amortization or prepayment speeds than assumed at purchase, impacting the expected maturity of these securities and the ability to reinvest the proceeds at the higher yields. Rising interest rates may also result in a decrease in the fair value of the investment portfolio. As interest rates decline, certain debt securities may experience accelerated amortization and prepayment speeds than assumed at purchase. During such periods, the Company is at risk of lower net investment income as it may not be able to reinvest the proceeds at comparable yields. Declining interest rates may also increase the fair value of the investment portfolio.

- d. Business interruption insurance recoveries No significant changes
- e. State transferrable tax credits No significant changes

- Subprime mortgage related risk exposure: (1) No significant changes

 - (2) No significant changes
 - 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:

							Six Months	Ende	ed
			June 3	30, 2014	1		June 30,	2014	
	Ad	ctual	Carry	/ing	F	air			
Alt-A:	C	Cost	Valu	ue	Va	alue	OTT	I	
				(Ir	n Millio	ns)			
a. Residential mortgage-backed securities	\$	57	\$	38	\$	47	9	\$	-
b. Commercial mortgage-backed securities		-		-		-			-
c. Collateralized debt obligations		-		-		-			-
d. Structured securities		-		-		-			-
e. Equity investments in SCAs *		5		4		4			-
f. Other assets		-		-		-			
g. Total	\$	62	\$	42	\$	51	9	\$	-

							Six Months	Ended
			June 3	30, 2014	1		June 30, 2	2014
	Ac	ctual	Carry	/ing	F	air		
Subprime:		Cost		Value		alue	OTTI	
				(In	Millior	ns)		
a. Residential mortgage-backed securities	\$	28	\$	22	\$	24	\$	-
b. Commercial mortgage-backed securities		-		-		-		-
c. Collateralized debt obligations		-		-		-		-
d. Structured securities		-		-		-		-
e. Equity investments in SCAs *		5		2		3		-
f. Other assets		-		-		-		
g. Total	\$	33	\$	24	\$	27	\$	

^{*} The Company's SCA, MML Bay State, has investments in Alt-A and subprime mortgages. These investments comprise less than 1% of the Company's invested assets.

		D	ecembe	er 31, 20)13		Year Ende December 3 2013	
	Α	ctual	Carry	ring	F	air		
Alt-A:		Cost	Valu	ıe	V	alue	OTTI	
				(In N	/lillions)		
a. Residential mortgage-backed securities	\$	74	\$	50	\$	59	\$	-
b. Commercial mortgage-backed securities		-		-		-		-
c. Collateralized debt obligations		-		-		-		-
d. Structured securities		-		-		-		-
e. Equity investments in SCAs *		6		4		5		-
f. Other assets		-		-		-		
g. Total	\$	80	\$	54	\$	64	\$	

		D	ecembe	er 31, 20	13		Year Ende December 2013	
	A	ctual	Carry	ring	ı	-air		
Subprime:		ost	Valu	ıe	V	alue	OTTI	
				(In M	lillions)			
a. Residential mortgage-backed securities	\$	30	\$	24	\$	25	\$	-
b. Commercial mortgage-backed securities		-		-		-		-
c. Collateralized debt obligations		-		-		-		-
d. Structured securities		-		-		-		-
e. Equity investments in SCAs *		5		2		3		-
f. Other assets		-		-		-		
g. Total	\$	35	\$	26	\$	28	\$	

^{*} The Company's SCA, MML Bay State, has investments in Alt-A and subprime mortgages. These investments comprise less than 1% of the Company's invested assets.

- (4) The Company has no underwriting exposure to subprime mortgage risk through Mortgage Guaranty or Financial Guaranty insurance coverage.
- g. Retained asset accounts No significant changes
- Offsetting and netting of assets and liabilities:

The following summarizer gross and net information of derivatives assets and liabilities, along with collateral posted in connection with master netting agreements:

	 June 30, 2014											
				(Gross							
		[Due &	Α	mounts			Co	ollateral		Net	
	Gross	Α	ccrued	(Offset		Net	F	Posted	Α	mount	
					(In I	Milli	ons)					
Derivative assets Derivative liabilities	\$ 399 398	\$	33 60	\$	(453) (453)	\$	(21) 5	\$	(132) (160)	\$	(153) (155)	
Net	\$ 1	\$	(27)	\$	-	\$	(26)	\$	28	\$	2	
	 _				December		24 0040	•	_			

Derivative assets
Derivative liabilities
Net

				Decemi	Jei (31, 2013				
			(Gross						
	[Due &	Α	mounts			С	ollateral		Net
Gross	Α	ccrued	(Offset		Net	F	Posted	Α	mount
				(In I	Milli	ons)				
\$ 419	\$	41	\$	(231)	\$	229	\$	(133)	\$	96
 404		68		(231)		241		(146)		95
\$ 15	\$	(27)	\$	-	\$	(12)	\$	13	\$	1

Note 22 – Events Subsequent

The Company has evaluated subsequent events through August 6, 2014, the date the financial statements were available to be issued, and no events have occurred subsequent to the balance sheet date and before the date of evaluation that would require disclosure.

Note 23 - Reinsurance

- a. Ceded Reinsurance Report:
 - Section 1 General Interrogatories No significant changes
 - Section 2 Ceded Reinsurance Report Part A No significant changes
 - Section 3 Ceded Reinsurance Report Part B:
 - (1) No significant changes
 - (2) Effective January 1, 2014, the Company entered into an indemnity coinsurance agreement to cede 100% of certain universal life policies to an unaffiliated insurance company. As part of the coinsurance agreement, the Company transferred investments of \$317 million, and ceded reserves net of policy loans, of approximately \$324 million.
- b-d. No significant changes
- Note 24 Retrospectively Rated Contracts and Contracts Subject to Redetermination No significant changes
- Note 25 Change in Incurred Losses and Loss Adjustment Expenses No significant changes
- Note 26 Intercompany Pooling Arrangements No significant changes
- Note 27 Structured Settlements No significant changes
- Note 28 Health Care Receivables No significant changes
- Note 29 Participating Policies No significant changes
- Note 30 Premium Deficiency Reserves No significant changes
- Note 31 Reserves for Life Contracts and Annuity Contracts No significant changes
- Note 32 Analysis of Annuity Actuarial Reserves and Deposit Liabilities by Withdrawal Characteristics No significant changes
- Note 33 Premium and Annuity Considerations Deferred and Uncollected No significant changes
- Note 34 Separate Accounts No significant changes
- Note 35 Loss/Claim Adjustment Expenses No significant changes

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
June 30, 2014	\$ 6,799,823.11	\$ -	\$ 6,799,823.11	\$ 6,410,214.05	\$ (389,609.06)	\$ 6,410,214.05	\$ 8,821,202.53
March 31, 2014	10,842,786.00	-	10,842,786.00	9,332,953.14	(1,509,832.86)	9,332,953.14	11,545,155.67
December 31, 2013	13,068,728.02	-	13,068,728.02	12,446,802.54	(621,925.48)	12,446,802.54	13,075,121.87
September 30, 2013	8,777,769.26	-	8,777,769.26	8,640,444.44	(137,324.82)	8,640,444.44	8,226,635.01
June 30, 2013	11,479,347.45	-	11,479,347.45	11,079,157.68	(400,189.77)	11,079,157.68	10,139,599.32
March 31, 2013	15,334,535.05	-	15,334,535.05	14,970,375.96	(364,159.09)	14,970,375.96	14,135,121.66
December 31, 2012	31,785,329.35	-	31,785,329.35	30,443,342.37	(1,341,986.98)	30,443,342.37	27,669,976.79
September 30, 2012	67,270,430.45	-	67,270,430.45	65,265,347.34	(2,005,083.11)	65,265,347.34	57,019,261.58
June 30, 2012	70,455,899.87	-	70,455,899.87	69,041,733.13	(1,414,166.74)	69,041,733.13	55,143,333.36
March 31, 2012	87,853,178.35	-	87,853,178.35	85,053,001.11	(2,800,177.24)	85,053,001.11	67,243,938.01
December 31, 2011	90,342,741.95	-	90,342,741.95	87,759,853.27	(2,582,888.68)	87,759,853.27	61,663,658.75
September 30, 2011	62,166,554.35	-	62,166,554.35	60,544,908.62	(1,621,645.73)	60,544,908.62	45,284,653.78
June 30, 2011	80,582,826.88	-	80,582,826.88	76,857,392.88	(3,725,434.00)	76,857,392.88	60,286,999.44
March 31, 2011	87,925,923.39	-	87,925,923.39	85,768,903.43	(2,157,019.96)	85,768,903.43	65,285,429.38
December 31, 2010	78,922,236.87	-	78,922,236.87	77,329,040.51	(1,593,196.36)	77,329,040.51	57,284,607.12
September 30, 2010	75,579,157.67	-	75,579,157.67	73,844,794.15	(1,734,363.52)	73,844,794.15	53,531,682.15
June 30, 2010	106,701,990.11	-	106,701,990.11	104,920,573.41	(1,781,416.70)	104,920,573.41	77,297,240.58
March 31, 2010	117,247,144.97	-	117,247,144.97	110,848,178.13	(6,398,966.84)	110,848,178.13	81,512,592.53
December 31, 2009	94,759,892.12	-	94,759,892.12	91,319,792.71	(3,440,099.41)	91,319,792.71	61,154,481.79
September 30, 2009	203,672,078.15	(2,299,536.69)	201,372,541.46	193,090,827.77	(8,281,713.69)	193,090,827.77	124,234,344.38
Totals		\$ (2,299,536.69)			\$ (44,301,200.04)		

The following is the impairment listing for loan-backed and structured securities for the three months ended June 30, 2014:

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
124860CB1	\$ 617,818.59	\$ -	\$ 617,818.59	\$ 398,646.43	\$ (219,172.16)	\$ 398,646.43	\$ 613,175.05
36228FU38	1,268.88	-	1,268.88	ı	(1,268.88)	ı	3,293.78
61750MAB1	1,263.62	-	1,263.62	1,006.74	(256.88)	1,006.74	1,098.84
77277LAF4	3,358,617.01	-	3,358,617.01	3,262,065.62	(96,551.39)	3,262,065.62	4,602,578.00
77277LAH0	167,925.80	-	167,925.80	163,215.97	(4,709.83)	163,215.97	443,556.00
77277LAJ6	2,377,767.25	-	2,377,767.25	2,311,086.91	(66,680.34)	2,311,086.91	2,896,256.40
939336KZ5	275,161.96	-	275,161.96	274,192.38	(969.58)	274,192.38	261,244.46
Totals	\$ 6,799,823.11	\$ -	\$ 6,799,823.11	\$ 6,410,214.05	\$ (389,609.06)	\$ 6,410,214.05	\$ 8,821,202.53

The following is the impairment listing for loan-backed and structured securities for the three months ended March 31, 2014:

CUSIP	Amortized Cost before Cumulative Adjustment	Cumulative Adjustment	Amortized Cost before OTTI	Projected Cash Flow	Recognized OTTI	Amortized Cost after OTTI	Fair Value
05948JAA0	\$ 23,391.51	\$ -	\$ 23,391.51	\$ 22,406.28	\$ (985.23)	\$ 22,406.28	\$ 22,442.30
125435AA5	154,503.00	ı	154,503.00	154,385.46	(117.54)	154,385.46	147,227.23
36290PAK3	499,666.34	ı	499,666.34	-	(499,666.34)	1	481,043.92
59024UAB7	61,813.86	ı	61,813.86	59,139.93	(2,673.93)	59,139.93	59,862.55
61750MAB1	1,924.37	ı	1,924.37	1,743.84	(180.53)	1,743.84	1,660.15
65106FAG7	4,199.59	ı	4,199.59	4,103.57	(96.02)	4,103.57	5,477.40
77277LAF4	3,924,425.95	ı	3,924,425.95	3,358,617.01	(565,808.94)	3,358,617.01	4,460,750.80
77277LAH0	195,500.98	ı	195,500.98	167,925.80	(27,575.18)	167,925.80	429,686.40
77277LAJ6	2,768,562.09	ı	2,768,562.09	2,377,767.25	(390,794.84)	2,377,767.25	2,807,009.04
86359DMC8	2,928,699.27		2,928,699.27	2,907,486.04	(21,213.23)	2,907,486.04	2,863,661.92
939336KZ5	280,099.04		280,099.04	279,377.96	(721.08)	279,377.96	266,333.96
Totals	\$ 10,842,786.00	\$	\$ 10,842,786.00	9,332,953.14	\$ (1,509,832.86)	\$ 9,332,953.14	\$ 11,545,155.67

GENERAL INTERROGATORIES

PART 1 - COMMON INTERROGATORIES

GENERAL

1.1	1.1 Did the reporting entity experience any material transactions requiring the filing of Disclosure of Material Transactions with the State of Domicile, as required by the Model Act?						No [X]
1.2	.2 If yes, has the report been filed with the domiciliary state?						No []
2.1	Has any change been made during the year of this statement in the reporting entity?					Yes [No [X]
2.2	If yes, date of change:							
3.1	Is the reporting entity a member of an Insurance Holding Company S is an insurer? If yes, complete Schedule Y, Parts 1 and 1A.					Yes [X]	No []
3.2	.2 Have there been any substantial changes in the organizational chart since the prior quarter end?							
3.3	If the response to 3.2 is yes, provide a brief description of those char	nges.						
4.1	Has the reporting entity been a party to a merger or consolidation d	uring the period covered by this statement	?			Yes [No [X]
4.2	If yes, provide the name of the entity, NAIC Company Code, and staceased to exist as a result of the merger or consolidation.	te of domicile (use two letter state abbrevi	ation) for any entity	hat has				
	1 Name of Entity	2 NAIC Company Code	3 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 change if yes, attach an explanation.	ng third-party administrator(s), managing ges regarding the terms of the agreement	general agent(s), att or principals involve	orney- d? Ye	es [] No []	X] N/A	[]
6.1	State as of what date the latest financial examination of the reporting	g entity was made or is being made			<u>-</u>	12/3	1/2009	
6.2	State the as of date that the latest financial examination report beca date should be the date of the examined balance sheet and not the					12/3	1/2009	
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 t date).	he examination report and not the date of	the examination (ba	lance she	et	12/2	0/2010	
6.4 6.5	By what department or departments? State of Connecticut Insurance Department Have all financial statement adjustments within the latest financial estatement filed with Departments?	xamination report been accounted for in a	subsequent financia	ul Ye	es[X] No [] N/A	[]
6.6	Have all of the recommendations within the latest financial examinat	ion report been complied with?		Ye	es [X] 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?	registrations (including corporate registra	ation, if applicable) s	uspended	or	Yes [No [X]
7.2	If yes, give full information:							
8.1	Is the company a subsidiary of a bank holding company regulated by	the Federal Reserve Board?				Yes [No [X]
8.2	If response to 8.1 is yes, please identify the name of the bank holding	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 locati regulatory services agency [i.e. the Federal Reserve Board (FRB), Insurance Corporation (FDIC) and the Securities Exchange Comm	the Office of the Comptroller of the Curren	ncy (OCC), the Fede	ral Depos	ral it			
	1 Affiliate Name	2 Location (City, State)	3 FRB	4 OCC I	5 FDIC	6 SEC		
	Babson Capital Securities, LLC	Boston, MA				YES		
	Baring Asset Management (Asia) Limited	Hong Kong				YES		
	Baring International Investment Limited	London, UK Springfield, MA				YES YES		
	MML Investment Advisers	Enfield, CT				YES		
	MML Investors Services, LLC	Springfield, MA			· -	YES		
	MML Strategic Distributors, LLC	Springfield, MA				YES		
	MMLISI Financial Alliances, LLC	Springfield, MA				YES		
	OppenheimerFunds Distributor, Inc.	New York, NY				YES		
	The MassMutual Trust Company, FSB	Enfield, CT		6⊒1		ļ		

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 other use by another person? (Exclude securities under securities lending agreements.)		Yes [X] No []				
12.	Amount of real estate and mortgages held in other invested assets in Schedule BA:	\$	100 064 430				
13.	Amount of real estate and mortgages held in short-term investments:	\$					
14.1	Does the reporting entity have any investments in parent, subsidiaries and affiliates?						
14.2	If yes, please complete the following:						
		1 Prior Year-End Book/Adjusted	2 Current Quarter Book/Adjusted				
		Carrying Value	Carrying Value				
14.21	Bonds\$	361,962,288	\$296,091,164				
14.22	Preferred Stock \$, , ,	\$				
14.23	Common Stock\$	196,021,269	\$206,044,827				
	Short-Term Investments		\$				
	Mortgage Loans on Real Estate		\$				
14.26	All Other\$	146,066,803	\$153,024,645				
	Total Investment in Parent, Subsidiaries and Affiliates (Subtotal Lines 14.21 to 14.26)		\$655, 160, 636 \$				
15.1 15.2	Has the reporting entity entered into any hedging transactions reported on Schedule DB?		Yes [X] No [] Yes [X] No []				

GENERAL INTERROGATORIES

10.		iding program, state the amount of the	•			•	
	16.1 Total fair value	e of reinvested collateral assets report	ed on Sched	ule DL, Parts 1 and	2	\$	
					ule DL, Parts 1 and 2		
	16.3 Total payable	for securities lending reported on the I	iability page.			\$	
17. 17.1	offices, vaults or safety deposit box custodial agreement with a qualifie Outsourcing of Critical Functions, (t 3 - Special Deposits, real estate, mo tes, were all stocks, bonds and other s d bank or trust company in accordant custodial or Safekeeping Agreements the requirements of the NAIC Financi	securities, ow ce with Section of the NAIC	med throughout the on 1, III - General E Financial Condition	current year held pursuant to a xamination Considerations, F. Examiners Handbook?	Yes [X]	No []
		1			2		
	Name of 0	Custodian(s)		Cus	todian Address		
	Citibank, N.A.		333 West 34	th Street, New Yor	k, NY 10001		
	JP Chase Manhattan Bank		1 Chase Mar	hattan Plaza, 19th	n Floor, New York, NY 10005		
17.2	location and a complete explanation	oly with the requirements of the NAIC In: 2 Location(s)	Financial Cor		landbook, provide the name, 3 splete Explanation(s)		
	Name(s)	Location(s)		Con	ipietė Explanation(s)		
17.3 17.4	If yes, give full information relating the	2		3	4	Yes []	No [X]
	Old Custodian	New Custodian	Date of Change Reason		Reason		
17.5		kers/dealers or individuals acting on but ty to make investments on behalf of th			·		
	Control Designation Descritory	2 Name(s)			3 Address		
	Central Registration Depository	Name(s)		1500 Main Chanat	Address Springfield, MA 01115		
	106006	Babson Capital Management, LLC		1500 Main Street	Springileid, MA UIIIS		
18.1 18.2	If no, list exceptions: At 06/30/2014, 33 issues for 23 issue Purposes and Procedures Manual.	ers of Babson Capital managed assets The majority of these issues currently lexecuted legal documentation. These	s did not mee lack one or n	et the filing requirem	: Valid	Yes []	No [X]

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	\$	
	1.12 Residential Mortgages	\$	222,321,017
	1.13 Commercial Mortgages	\$	677,483,612
	1.14 Total Mortgages in Good Standing	\$	899,804,629
	1.2 Long-Term Mortgages In Good Standing with Restructured Terms		
	1.21 Total Mortgages in Good Standing with Restructured Terms	\$	
	1.3 Long-Term Mortgage Loans Upon which Interest is Overdue more than Three Months		
	1.31 Farm Mortgages	\$	
	1.32 Residential Mortgages	\$	
	1.33 Commercial Mortgages	\$	
	1.34 Total Mortgages with Interest Overdue more than Three Months	\$	
	1.4 Long-Term Mortgage Loans in Process of Foreclosure		
	1.41 Farm Mortgages	\$	
	1.42 Residential Mortgages	\$	
	1.43 Commercial Mortgages	\$	
	1.44 Total Mortgages in Process of Foreclosure	\$	
1.5	Total Mortgage Loans (Lines 1.14 + 1.21 + 1.34 + 1.44) (Page 2, Column 3, Lines 3.1 + 3.2)	\$	899,804,629
1.6	Long-Term Mortgages Foreclosed, Properties Transferred to Real Estate in Current Quarter		
	1.61 Farm Mortgages	\$	
	1.62 Residential Mortgages	\$	
	1.63 Commercial Mortgages		
	1.64 Total Mortgages Foreclosed and Transferred to Real Estate		
2.	Operating Percentages:		
	2.1 A&H loss percent		%
	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?		/es [] No [X]
3.2	If yes, please provide the amount of custodial funds held as of the reporting date		
3.3	Do you act as an administrator for health savings accounts?		/es [] No [X]
3.4	If yes, please provide the balance of the funds administered as of the reporting date		
J.4	ii yoo, pioaso provide trie balarioe of trie lunds administered as of trie reporting date	Ф	

SCHEDULE S - CEDED REINSURANCE

Showing All New Reinsurance Treaties - Current Year to Date

1	2	3	4	5	6	7	8	9
NAIC					Type of		Certified Reinsurer	Effective Date of Certified
Company	ID	Effective		Domiciliary	Reinsurance		Rating	Reinsurer
Code	Number	Date	Name of Reinsurer	Jurisdiction	Ceded	Type of Reinsurer	(1 through 6)	Rating
66133	41-1760577	01/01/2014	Wilton Reassurance Co. (WR14)	MN	CO/I	Author i zed.		

SCHEDULE T - PREMIUMS AND ANNUITY CONSIDERATIONS

Current Year To Date - Allocated by States and Territories

		urrent Year	To Date - Alloca	ated by States a	nd Territories	inoce Only		
		1	Life Co	ontracts	Direct Bus 4	iness Only 5	6	7
		'	2	3	Accident and	5	, o	'
					Health Insurance			
					Premiums, Including Policy,		Total	
		Active	Life Insurance	Annuity	Membership	Other	Columns	Deposit-Type Contracts
	States, Etc.	Status	Premiums	Considerations	and Other Fees	Considerations	2 Through 5	Contracts
1.	AlabamaAL	LL	881,891	1,702,889			2,584,780	
2.	Alaska AK	L	25,354	4,200			29,554	
3.	Arizona AZ	L	1,550,521	1,594,093			3, 144, 614	
4.	Arkansas AR	L	178,095	111, 166			289,261	
5.	California CA	L	13,291,946	11,277,357			24,569,303	
6.	ColoradoCO	<u>L</u>	1,596,843	1,650,647			3,247,490	
7.	Connecticut		5, 105, 116	3,925,182			9,030,298	
8.	Delaware	<u>-</u>	300,715	125,309			426,024	····
9.	District of Columbia	<u>-</u>	1,074,942	22,018			1,096,960	
10.	FloridaFL		13,304,878	9, 127, 456			22,432,334	
11.	Georgia GA Hawaii HI	L	2,832,796	1,011,899 965,269			3,844,695	ļ
12. 13.	IdahoID		1,290,003 225,839				2,255,272 381,821	
14.	IllinoisIL	L	3,569,778	3,821,308			7,391,086	
15.	Indiana IN	L	1.261.001	1,409,219			2,670,220	
16.	lowaIA	I	809,863	284,863			1,094,726	
17.	Kansas KS	L	864,387	2,116,973			2,981,360	
18.	Kentucky KY	I	578,350	396, 174			974.524	
19.	Louisiana LA	L	707,325	4,058,443			4,765,768	
20.	Maine ME	L	320.026	398.442			718,468	
21.	Maryland MD	L	4.583.123	1,361,360			5,944,483	<u></u>
22.	Massachusetts	L	3,032,473	10,681,719			13,714,192	
23.	Michigan MI	L	2,684,410	10,268,145			12,952,555	
24.	Minnesota MN	L	1,838,998	4,592,526			6,431,524	
25.	Mississippi MS	Ī	1, 161, 316	100,269			1,261,585	
26.	Missouri MO	L	1,509,294	4,953,592			6,462,886	
27.	Montana MT	L	226,590	679,670			906,260	
28.	Nebraska NE	L	991,889	1,361,301			2,353,190	
29.	Nevada NV	L	615,311	4,050			619,361	ļ
30.	New HampshireNH	L	600,362	1,984,230			2,584,592	
31.	New Jersey NJ	L	5,851,961	5,650,369			11,502,330	
32.	New MexicoNM	L	201, 140	260,995			462 , 135	
33.	New York NY	N	3,060,987	776,643			3,837,630	
34.	North CarolinaNC	L	4,233,771	1,811,599			6,045,370	
35.	North DakotaND	L	8,995	44,672			53,667	
36.	Ohio OH	L	2,797,534	4,263,063			7,060,597	
37.	Oklahoma OK	L	1, 169, 381	637,706			1,807,087	
38.	Oregon OR	L	643,598	1, 170, 110			1,813,708	
39.	Pennsylvania	<u>-</u>	5,060,789	11,531,196			16,591,985	
40.	Rhode Island	L	652,851	2,562,838			3,215,689	
41.	South Carolina	L	1,976,282	375,081			, ,	·
42.	South Dakota	<u>-</u>	31, 160	45,987			77 , 147	
43.	Tennessee	<u>-</u>	2,541,705	2,873,826			5,415,531	·
44.	Texas		6,485,006	8,445,365			14,930,371	
45.	Utah UT Vermont VT	 	1,055,494	1,304,552			2,360,046	<u> </u>
46.	VirginiaVI		236,764	504,780 2,508,464			741,544 7.251.979	
47.	Washington WA		4,743,515				2,408,399	
48. 49.	West Virginia WV		1,710,798 369,273	300.841				
50.	Wisconsin WI		994,078	3,824,481			4,818,559	
51.	Wyoming WY	I	100,289	37,800			138,089	
52.	American Samoa	N	100,209					
53.	Guam GU	N	100				100	
54.	Puerto Rico	1	2,534,503	199,245			2,733,748	
55.	U.S. Virgin Islands	N	1,562				1,562	
56.	Northern Mariana IslandsMP	N	1,002				1,002	
57.	Canada CAN	N	9,917				9,917	<u></u>
58.	Aggregate Other Aliens OT	XXX	158,945				158,945	
59.	Subtotal	(a)51	113,643,833	129,972,965			243,616,798	
90.	Reporting entity contributions for employee benefits			, , , , , , , , , , , , , , , , , , , ,			12,5.3,700	
	plans	xxx						
91.	Dividends or refunds applied to purchase paid-up							
	additions and annuities	XXX		ļ	ļ		ļ	
92.	Dividends or refunds applied to shorten endowmen							
	or premium paying period	XXX						
93.	Premium or annuity considerations waived under	VVV	040 400				040 400	
0.4	disability or other contract provisions	XXX	612,130				612,130	
94.	Aggregate or other amounts not allocable by State	XXX	114 055 060	100 070 005	L		244 220 020	
95.	Totals (Direct Business)	XXX	114,255,963	129,972,965			244,228,928	
96. 97	Plus Reinsurance Assumed		114,255,963	120 072 065			244 228 028	
97	Totals (All Business)	XXX	, ,	129,972,965			244,228,928	
98. oo	Less Reinsurance Ceded	XXX	75,321,365	129,972,965			75,321,365	
99.	Totals (All Business) less Reinsurance Ceded	^^^	38,934,598	129,9/2,905			168,907,563	
F000 1	DETAILS OF WRITE-INS	VAA.	450 0/5				450 0/5	
	Other Foreign	XXXXXX	158,945				158,945	
		XXX						
				<u> </u>	L		<u> </u>	
58998.	Summary of remaining write-ins for Line 58 from overflow page	XXX						
58000	Totals (Lines 58001 through 58003 plus							
J0333.	58998)(Line 58 above)	XXX	158,945				158,945	
9401.	30330)(Line 30 above)	XXX	100,040				100,040	
		XXX						
9402.		XXX		<u></u>			I	
	Summary of remaining write-ins for Line 94 from							
	overflow page	xxx						
9499.	Totals (Lines 9401 through 9403 plus 9498)(Line							
	94 above)	XXX						
(L) Licens	sed or Chartered - Licensed Insurance Carrier or Do	miciled RRG; (F	R) Registered - Non	-domiciled RRGs; (Q) Qualified - Quali	fied or Accredited F	Reinsurer; (E) Eligib	ole - Reportina

⁽L) Licensed or Chartered - Licensed Insurance Carrier or Domiciled RRG; (R) Registered - Non-domiciled RRGs; (Q) Qualified - Qualified or Accredited Reinsurer; (E) Eligible - Reporting Entities eligible or approved to write Surplus Lines in the state; (N) None of the above - Not allowed to write business in the state.

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

	Federal Tax ID	NAIC Co Code	State of Domicile
MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY	04-1590850	65935	Massachusetts
Direct & Indirect Owned Subsidiaries:	0.10,0000	00,50	1114004011400110
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
Berkshire Way LLC	04-1590850		Delaware
WP-SC, LLC*	26-4441097		Delaware
MSP-SC, LLC	04-1590850		Delaware
Country Club Office Plaza LLC*	27-1435692		Delaware
Fern Street LLC	37-1732913		Delaware
Haven Life Insurance Agency, Inc.	46-2252944		Delaware
MassMutual Retirement Services, LLC	04-1590850		Delaware
MML Distributors LLC*	04-3356880		Massachusetts
MML Investment Advisers, LLC	None		Delaware
MML Mezzanine Investor, LLC	04-1590850		Delaware
MML Strategic Distributors, LLC	46-3238013		Delaware
The MassMutual Trust Company, FSB	06-1563535		United States
MMC Equipment Finance LLC	04-1590850		Delaware
MassMutual Asset Finance LLC*	26-0073611		Delaware
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	04-1590850		Delaware
MSC Holding Company, LLC	45-4376777		Delaware
MassMutual Holding MSC, Inc.	04-3341767		Massachusetts
MassMutual Holding LLC	04-2854319		Delaware
MassMutual Assignment Company	06-1597528		North Carolina
MassMutual Capital Partners LLC	04-1590850		Delaware
MassMutual Ventures LLC	47-1296410		Delaware
MM Caerulus Holdco US LLC	None		Delaware
MM Rothesay Holdco US LLC	04-1590850		Delaware
MML Investors Services, LLC	04-1590850		Massachusetts
MML Insurance Agency, LLC	04-1590850		Massachusetts
MMLISI Financial Alliances, LLC	41-2011634		Delaware
MassMutual International LLC	04-3313782		Delaware
MassMutual Asia Limited	None		Hong Kong
MassMutual Asia Investors Ltd.	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 Guardian Limited	None		Hong Kong
MassMutual Insurance Consultants Limited	None		Hong Kong
MassMutual Services Limited	None		Hong Kong
MassMutual Trustees Limited	None		Hong Kong
Protective Capital (International) Limited	None		Hong Kong
MassMutual Life Insurance Company	None		Japan
MassMutual Internacional (Chile) SpA	None		Chile
MassMutual (Chile) Limitada	None		Chile
Compañía de Seguros CorpVida S.A.	None		Chile
MM Asset Management Holding LLC	45-4000072		Delaware
Babson Capital Management LLC	51-0504477		Delaware
Babson Capital Finance LLC	80-0875475		Delaware
BCF Europe Funding Limited	None		Ireland
Babson Capital Securities LLC	04-3238351		Delaware
Babson Capital Guernsey Limited	98-0437588		Guernsey
Babson Capital Europe Limited	98-0432153		United Kingdom
Almack Mezzanine GP III Limited	None		United Kingdom
Almack Holding Partnership GP Limited	None		United Kingdom
Almack Mezzanine Fund Limited	None		United Kingdom
Almack Mezzanine Fund II Limited	None		United Kingdom
Babson Capital Global Advisors Limited	None		United Kingdom
Babson Capital Japan KK	None		Japan
Cornerstone Real Estate Advisers LLC	55-0878489		Delaware
Cornerstone Real Estate Advisers Inc.	04-3238351		California
Cornerstone Real Estate Advisers Japan K.K.	None		Japan
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
Babson Capital Asia Limited	None		Hong Kong
Babson Capital Australia Holding Company Pty Ltd.	None		Australia
Babson Capital Australia Pty Ltd.	None		Australia
Babson Capital Cornerstone Asia Limited	None		Hong Kong
Wood Creek Capital Management LLC	04-1590850		Delaware
Wood Creek Index Company, LLC	26-3115362		Delaware
Ceres Farms Holdings W, LLC	45-4848428		Delaware
CERES WCMAF Farms, LLC	45-3914146		Delaware
Eighth Note, Inc.	46-2198442		Delaware
GFL Holdings, LLC	46-5205078		Delaware
U.S. WIG Holdings, LP	46-1500495		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.

	Federal Tax ID	NAIC Co Code	State of Domicile
US Trailer Holdings LLC	90-0841497		Delaware
WC Aircraft Holdings US II, LLC	46-3378584		Delaware
Wood Creek Aircraft Holding I, LP	None		Cayman Islands
Babson Capital Floating Rate Income Fund Management, LLC	04-1590850		Delaware
Babson Capital Core Fixed Income Management LLC	27-3523916		Delaware
Babson Capital Total Return Management LLC	27-3524203		Delaware
Benton Street Advisors, Inc.	98-0536233		Cayman Islands
SDCOS Management LLC	04-1590850		Delaware
Credit Strategies Management LLC	04-1590850		Delaware
Great Lakes III GP, LLC	04-1590850		Delaware
Loan Strategies Management LLC	04-1590850		Delaware
Mezzco LLC	04-1590850		Delaware
Mezzco II LLC	02-0767001		Delaware
Mezzco III LLC	41-2280126		Delaware
Mezzco IV LLC	80-0920285		Delaware
Mezzco Australia LLC	90-0666326		Delaware
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 Global Institutional, Inc.	13-4160541		New York
OFI Global Trust Company	13-3459790		New York
HarbourView Asset Management Corporation	22-2697140		New York
Trinity Investment Management Corporation	25-1951632		Pennsylvania
OFI SteelPath, Inc.	84-1128397		Delaware
Shareholder Services, Inc.	84-1066811		Colorado
OFI Global Asset Management, Inc.	84-0765063		Delaware
OFI Private Investments Inc.	91-2036414		New York
Tremont Group Holdings, Inc.	62-1210532		New York
Tremont Partners, Inc.	06-1121864		Connecticut
Tremont Capital Management (Ireland) Limited	None		Ireland
Tremont GP, Inc.	20-8215352		Delaware
Settlement Agent LLC	90-0874510		Delaware
Tremont (Bermuda) Limited	None		Bermuda
MassMutual Baring Holding LLC	04-1590850		Delaware
Baring North America LLC	98-0241935		Massachusetts
MassMutual Holdings (Bermuda) Limited	None		Bermuda
Baring Asset Management Limited	98-0241935		United Kingdom
Baring International Investment Limited	98-0457328		United Kingdom

^{*}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 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 Korea Limited	None		Korea
	Baring Asset Management (Japan) Limited	98-0236449		Japan
	Baring Asset Management (Australia) Pty Limited	98-0457456		Australia
	Baring International Fund Managers (Ireland) Limited	98-0524272		Ireland
	Baring Asset Management Switzerland Sarl	None		Switzerland
	Baring SICE (Taiwan) Limited	98-0457707		Taiwan ROC
	Baring France SAS	98-0497550		France
	Baring Fund Managers Limited	98-0457586		United Kingdom
	Baring Pension Trustees Limited	98-0457574		United Kingdom
	Baring Investment Services Limited	98-0457578		United Kingdom
	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
	Society of Grownups, LLC	47-1466022		Massachusetts
/	MML Mezzanine Investor II, LLC	04-1590850		Delaware
	MML Mezzanine Investor III, LLC	04-1590850		Delaware
	MassMutual External Benefits Group LLC	27-3576835		Delaware
	MML Re Finance LLC	04-1590850		Delaware
	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
	MM Private Equity Intercontinental LLC	04-1590850		Delaware
	Babson Affiliates & Funds:			
	Almack Mezzanine Fund I LP*	None		United Kingdom
	Almack Mezzanine Fund II Unleveraged LP	None		United Kingdom
	Almack Mezzanine Fund III LP*	None		United Kingdom
	Babson Capital High Yield LLC*	55-0886109		Delaware
	Babson Capital Floating Rate Income Fund, L.P.	27-3330830		Delaware
	Babson Capital Global Investment Funds plc	None		United Kingdom
	Babson Capital Global Umbrella Fund plc	None		United Kingdom

^{*}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
Babson Capital Global Investment Fund 2 plc	None		Ireland
Babson Capital Loan Strategies Fund, L.P.*	37-1506417		Delaware
Babson CLO Ltd. 2005-I	None		Cayman Islands
Babson CLO Ltd. 2005-II	None		Cayman Islands
Babson CLO Ltd. 2005-III	None		Cayman Islands
Babson CLO Ltd. 2006-I	None		Cayman Islands
Babson CLO Ltd. 2006-II	None		Cayman Islands
Babson CLO Ltd. 2007-I	None		Cayman Islands
Babson CLO Ltd. 2011-I	None		Cayman Islands
Babson CLO Ltd. 2012-I	None		Cayman Islands
Babson CLO Ltd. 2012-II	None		Cayman Islands
Babson CLO Ltd. 2013-I	None		Cayman Islands
Babson CLO Ltd. 2013-II	98-1128827		Cayman Islands
Babson CLO Ltd. 2014-I	None		Cayman Islands
Babson Euro CLO 2014-I BV	None		Netherlands
Babson Global Floating Rate Fund	46-3133952		Massachusetts
Babson Global Income Opportunities Credit Fund	46-3119764		Massachusetts
Babson Mid-Market CLO Ltd. 2007-II	None		Cayman Islands
Benton Street Partners I, L.P.*	98-0536233		Cayman Islands
Benton Street Partners II, L.P.	98-0536199		Cayman Islands
Clear Lake CLO, Ltd.	None		Cayman Islands
Connecticut Valley Structured Credit CDO II, Ltd.	None		Cayman Islands
Connecticut Valley Structured Credit CDO III, Ltd.	None None		Cayman Islands
Diamond Lake CLO, Ltd. Duchess I CDO S.A.			Cayman Islands
Duchess III CDO S.A.	None None		United Kingdom
Duchess IV CDO S.A.	None		United Kingdom United Kingdom
Duchess V CDO S.A. Duchess V CDO S.A.	None		United Kingdom United Kingdom
Duchess VI CLO B.V.	None		United Kingdom
Duchess VII CLO B.V.	None		United Kingdom
Fugu CLO B.V.	None		United Kingdom
Fugu Credit Plc	None		United Kingdom
Gateway Mezzanine Partners I, L.P.*	80-0691253		Delaware
Gateway Mezzanine Partners I Trust	None		Cayman Islands
Gateway Mezzanine Partners II LP*	90-0991195		Delaware
Great Lakes II LLC*	71-1018134		Delaware
Great Lakes III, L.P.	37-1708623		Delaware
Great Lakes LLC*	56-2505390		Delaware
Intermodal Holding II LLC	46-2344300		Delaware
Invicta Holdings LLC	56-2574568		Massachusetts
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^{*}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
	Malin CLO B.V.	None		United Kingdom
	Newton CDO Ltd	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
	SDCOS L.P.	74-3182902		Delaware
	Somerset Special Opportunities Fund L.P.*	20-8856877		Delaware
	Suffield CLO, Limited	None		Cayman Islands
	Summit Lake CLO, Ltd.	None		Cayman Islands
	Sweet Tree Holding 1 LLC	46-3123110		Delaware
	Tower Square Capital Partners, L.P.*	04-3722906		Delaware
	Tower Square Capital Partners II, L.P.*	30-0336246		Delaware
	Tower Square Capital Partners II-A, L.P.*	32-0160190		Delaware
	Tower Square Capital Partners III, L.P.*	41-2280127		Delaware
	Tower Square Capital Partners IIIA, L.P.	41-2280129		Delaware
	Tower Square Capital Partners IV, L.P.	80-0920340		Delaware
	Tower Square Capital Partners IV-A, L.P.	80-0920367		Delaware
	U.S. Trailer Holdings II LLC	46-2104352		Delaware
	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 A	Affiliates & Funds:	45 4104061		D 1
	Baring All Country World ex US Equity Fund	45-4184261		Delaware
	Baring Emerging Market Corp Debt Fund	None		Ireland
	Baring Focused EAFE Equity Fund	11-3789446		Delaware
	Baring Global Dynamic Asset Allocation Fund	30-0607379 39-2059577		Delaware
	Baring International Equity Fund	39-2059577 26-4142796		Delaware Delaware
	Baring International Small Cap Equity Fund Baring World Equity Fund	46-1197222		Delaware
	Multi-Employer Global Aggregate Diversified Portfolio	26-1896226		Delaware
Corners	tone Affiliates & Funds:	20-1890220		Delaware
Corners	12-18 West 55th Street Predevelopment, LLC*	20-2548283		Delaware
	2 Harbor Shore Member LLC*	46-4803557		Delaware
	21 West 86 LLC*	45-5257904		Delaware
	Ygnatio Valley Funding	20-5481477		Delaware
	AT Mid-Atlantic Office Portfolio LLC*	45-2779931		Delaware
	Babson Mezzanine Realty Investors I*	20-4570515		Delaware
	Davidi Intellatine really investors I	20 13/0313		Doiawaic

^{*}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
Babson Mezzanine Realty Investors II	24-1446970		Delaware
CHC/RFP VI Core LLC	04-1590850		Delaware
Cornerstone Apartment Fund I, LLC	06-1595820		Delaware
Cornerstone Apartment Venture III, LLC	20-5786329		Delaware
Cornerstone Austin Park Central I LP*	56-2639862		Delaware
Cornerstone Core Mortgage Fund I LP	27-1701733		Delaware
Cornerstone Core Mortgage Venture I LP	27-1701622		Delaware
Cornerstone Enhanced Mortgage Fund I LP	45-3751572		Delaware
Cornerstone Fort Pierce Development LLC*	56-2630592		Delaware
Cornerstone Global Real Estate LP*	20-8730826		Delaware
Cornerstone High Yield Venture LP	36-4770946		Delaware
Cornerstone Holding LP	20-5578165		Delaware
Cornerstone Hotel Income & Equity Fund II LP	26-1528817		Delaware
Cornerstone Hotel Income and Equity Fund II (PF) LP	26-1528817		Delaware
Cornerstone Real Estate Fund VIII (PF) LP	27-5209432		Delaware
Cornerstone Real Estate Fund VIII LP	27-0547156		Delaware
Cornerstone Non-REIT Holding LLC	20-5567494		Delaware
CREA/LYON West Gateway, LLC*	26-2399532		Delaware
CREA/Nexus Anaheim Corners Holdings LLC	27-2934589		Delaware
CREA/PPC Venture LLC*	20-0348173		Delaware
Fallon Cornerstone One MPD LLC*	26-1611591		Delaware
Farringdon London Holdings LLC*	46-3880526		Delaware
Fan Pier Development LLC*	20-3347091		Delaware
Gracechurch London Holdings LLC*	46-1586427		Delaware
Hanover Preferred Facility LLC*	20-8298948		Delaware
Infinity SCD Ltd.	None		United Kingdom
Johnston Groves LLC	20-4819358		Delaware
Metropolitan At Lorton*	20-5984759		Delaware
MM Greenhill Office LLC*	46-3317841		Delaware
MMI/Hines Harrison LLC*	46-5347643		Delaware
MM Woodfield Martingale LLC*	46-4077059		Delaware
PO Parsippany Office Portfolio LLC*	46-0808569		Delaware
Red Lake Ventures LLC	46-5460309		Delaware
Riva Portland LLC	30-0713071		Delaware
Sawgrass Village Shopping Center LLC*	27-2977720		Delaware
Turnpike Executive Park LLC	46-0606690		Delaware
Twenty Two Liberty LLC*	35-2484550		Massachusetts
UK LIW Manager LLC	45-4606547		Delaware
UK LIW Member LLC	45-4606547		Delaware
Washington Gateway Apartments Venture LLC*	45-5401109		Delaware

^{*}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
Waterford Development Associates	20-2970495		Delaware
WeHo Domain LLC*	46-3122029		Delaware
Wesley Chapel Theaters LLC*	26-2384708		Delaware
MassMutual Premier Funds:			
MassMutual Barings Dynamic Allocation Fund	45-3168892		Massachusetts
MassMutual Premier Balanced Fund	04-3212054		Massachusetts
MassMutual Premier Core Bond Fund	04-3277549		Massachusetts
MassMutual Premier Disciplined Growth Fund	04-3539084		Massachusetts
MassMutual Premier Disciplined Value Fund	04-3539084		Massachusetts
MassMutual Premier Diversified Bond Fund	04-3464165		Massachusetts
MassMutual Premier Focused International Fund	02-0754273		Massachusetts
MassMutual Premier Global Fund	51-0529334		Massachusetts
MassMutual Premier High Yield Fund	04-3520009		Massachusetts
MassMutual Premier Inflation-Protected and Income Fund	03-0532475		Massachusetts
MassMutual Premier International Equity Fund	04-3212044		Massachusetts
MassMutual Premier Main Street Fund	51-0529328		Massachusetts
MassMutual Premier Short-Duration Bond Fund	04-3212057		Massachusetts
MassMutual Premier Small/Mid Cap Opportunities Fund	04-3224705		Massachusetts
MassMutual Premier Strategic Emerging Markets Fund	26-3229251		Massachusetts
MassMutual Premier Value Fund	04-3277550		Massachusetts
MassMutual Select Funds:			
MassMutual Select Blackrock Global Allocation Fund	27-1028263		Massachusetts
MassMutual Select Blue Chip Growth Fund	04-3556992		Massachusetts
MassMutual Select Diversified International Fund	14-1980900		Massachusetts
MassMutual Select Diversified Value Fund	01-0821120		Massachusetts
MassMutual Select Focused Value Fund	04-3512590		Massachusetts
MassMutual Select Fundamental Growth Fund	04-3512593		Massachusetts
MassMutual Select Fundamental Value Fund	04-3584138		Massachusetts
MassMutual Select Growth Opportunities Fund	04-3512589		Massachusetts
MassMutual Select Large Cap Value Fund	04-3513019		Massachusetts
MassMutual Select Mid Cap Growth Equity II Fund	04-3512596		Massachusetts
MassMutual Select Mid-Cap Value Fund	42-1710935		Massachusetts
MassMutual Select MSCI EAFE International Index Fund	45-5357167		Massachusetts
MassMutual Select Overseas Fund	04-3557000		Massachusetts
MassMutual Select PIMCO Total Return Fund	27-2377446		Massachusetts
MassMutual Select Russell 2000 Small Cap Index Fund	45-5366542		Massachusetts
MassMutual Select S&P 500 Index Fund	04-3410047		Massachusetts
MassMutual Select Small Cap Growth Equity Fund	04-3464205		Massachusetts
MassMutual Select Small Capital Value Equity Fund	02-0769954		Massachusetts
MassMutual Select Small Company Growth Fund	04-3584141		Massachusetts

^{*}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.

	<u>Federal Tax ID</u>	NAIC Co Code State of Domicile
MassMutual Select Small Company Value Fund	04-3584140	Massachusetts
MassMutual Select S&P Mid Cap Index Fund	45-5349772	Massachusetts
MassMutual Select Strategic Bond Fund	26-0099965	Massachusetts
MML Series Investment Funds:		
MML International Equity Fund	46-4257056	Massachusetts
MassMutual RetireSMART Funds:		
MassMutual RetireSMART 2010 Fund	03-0532456	Massachusetts
MassMutual RetireSMART 2015 Fund	27-1933828	Massachusetts
MassMutual RetireSMART 2020 Fund	03-0532467	Massachusetts
MassMutual RetireSMART 2025 Fund	27-1933753	Massachusetts
MassMutual RetireSMART 2030 Fund	03-0532468	Massachusetts
MassMutual RetireSMART 2035 Fund	27-1933389	Massachusetts
MassMutual RetireSMART 2040 Fund	03-0532471	Massachusetts
MassMutual RetireSMART 2045 Fund	27-1932769	Massachusetts
MassMutual RetireSMART 2050 Fund	26-1345332	Massachusetts
MassMutual RetireSMART 2055 Fund	46-3289207	Massachusetts
MassMutual RetireSMART Conservative Fund	45-1618155	Massachusetts
MassMutual RetireSMART Growth Fund	45-1618222	Massachusetts
MassMutual RetireSMART In Retirement Fund	03-0532464	Massachusetts
MassMutual RetireSMART Moderate Fund	45-1618262	Massachusetts
MassMutual RetireSMART Moderate Growth Fund	45-1618046	Massachusetts
Oppenheimer Funds:		
HarbourView CLO 2006-1 Limited	None	Cayman Islands
Oppenheimer Global High Yield Fund	45-3417590	Delaware
Oppenheimer Global Real Estate Fund*	46-1604428	Delaware
Oppenheimer International Growth Fund	13-3867060	Massachusetts
Oppenheimer Main Street Fund	84-1073463	Massachusetts
Oppenheimer Real Estate Fund	22-3849391	Massachusetts

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

SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

				PAI	71 I <i>F</i>	I - DE I AIL	LOF INSURANCE	. П	<i>J</i> LDI	ING COMPAINT S				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
											Type	If		ı
											of Control	Control		I
											(Ownership,	is		I
						Name of Securities			Relation-		Board,	Owner-		I
						Exchange		Domi-	ship		Management,	ship		I
		NAIC	Federal			if Publicly Traded	Names of	ciliary	to		Attorney-in-Fact,	Provide		I
Group		Company	ID	Federal		(U.S. or	Parent, Subsidiaries	Loca-	Reporting		Influence,	Percen-	Ultimate Controlling	I
Code	Group Name	Code	Number	RSSD	CIK	International)	Or Affiliates	tion	Entity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	*
							Massachusetts Mutual Life Insurance			Massachusetts Mutual Life Insurance				· · · · · ·
0435	Massachusetts Mut Life Ins Co	65935	04-1590850	3848388	0000225602		Company (MMLIC)	MA	UDP	Company	Ownership	100.000	MMLIC	
										Massachusetts Mutual Life Insurance				I
0435	. CM Life Ins Co	93432	06-1041383 .				C.M. Life Insurance Company	CT	RE	Company	Ownership	100.000	. MML I C	
0435	MML Baystate Life Ins Co	70416	43-0581430		. 0000924777		MML Bay State Life Insurance Company	CT	NIA	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	MMLIC	
0000			06-1041383				CML Mezzanine Investor L, LLC	DE	NIA	C.M. Life Insurance Company	Ownership	100.000	MMLIC	
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	MMLIC	
										Massachusetts Mutual Life Insurance				I
0000			. 04-1590850 .				MML Mezzanine Investor L, LLC	DE	NIA	Company	Ownership	100.000		
										Massachusetts Mutual Life Insurance				I
0000			04-1590850 .				Berkshire Way LLC	DE	NIA	Company	Ownership	100.000	MMLIC	
										Massachusetts Mutual Life Insurance	·			I
0000			26-4441097				WP-SC, LLC	DE	NIA	Company	Ownership	81.400	MMLIC	
0000			26-4441097				WP-SC, LLC	DE	NIA	C.M. Life Insurance Company	Ownership	18.600	MMLIC	
										Massachusetts Mutual Life Insurance				I
0000			04-1590850				MSP-SC, LLC	DE	NIA	Company	Ownership	100.000	MML1C	
							·			Massachusetts Mutual Life Insurance	·			I
0000			27-1435692				Country Club Office Plaza LLC	DE	NIA	Company	Ownership	88.100	.MML1C	
0000			27-1435692				Country Club Office Plaza LLC	DE	NIA	C.M. Life Insurance Company	Ownership	11.900	MMLIC	
										Massachusetts Mutual Life Insurance				I
0000			37-1732913				Fern Street LLC	DE	NIA	Company	Ownership	100.000	MMLIC	
										Massachusetts Mutual Life Insurance				I
0000			46-2252944				Haven Life Insurance Agency, Inc	DE	NIA	Company	Ownership	100.000	MMLIC	
										Massachusetts Mutual Life Insurance				I
0000			. 04-1590850 .				MassMutual Retirement Services, LLC	DE	NIA	Company	Ownership	100.000	MMLIC	
										Massachusetts Mutual Life Insurance				I
0000			. 04-3356880 .		. 0000943903		MML Distributors LLC	MA	NIA	Company	Ownership	99.000	MMLIC	
0000			04-3356880 .		. 0000943903		MML Distributors LLC	MA	NIA	MassMutual Holding LLC	Ownership	1.000	MMLIC	
										Massachusetts Mutual Life Insurance				I
0000							MML Investment Advisers, LLC	DE	NIA	Company	Ownership	100.000	MMLIC	
										Massachusetts Mutual Life Insurance				I
0000			04-1590850		-		MML Mezzanine Investor, LLC	DE	NIA	Company	Ownership	100.000	MMLIC	1
										Massachusetts Mutual Life Insurance				I
0000			46-3238013		-		MML Strategic Distributors, LLC	DE	NIA	Company	Ownership	100.000	MMLIC	
										Massachusetts Mutual Life Insurance				I
0000			. 06-1563535 .	2881445	0001103653		The MassMutual Trust Company, FSB	US	NIA	Company	Ownership	100.000	MMLIC	
0000			04 4500050				1840 E : 1 E: 110	DE.		Massachusetts Mutual Life Insurance		100 000		I
0000			04-1590850		-		MMC Equipment Finance LLC	DE	NIA	Company	Ownership	100.000	MMLIC	1
0000			26-0073611		-		MassMutual Asset Finance LLC	DE	NIA	MMC Equipment Finance LLC	Ownership	99.600	MMLIC	1
0000			26-0073611		-		MassMutual Asset Finance LLC	DE	NIA	C.M. Life Insurance Company	Ownership	0.400	MMLIC	
0000			20-1217159		-		Winmark Limited Funding, LLC	DE	NIA	MassMutual Asset Finance LLC	Ownership	100.000	MMLIC	
0000			27-1379258		-		MMAF Equipment Finance LLC 2009-A	DE	NIA	MassMutual Asset Finance LLC	Ownership	100.000	MMLIC	
0000			45-2589019		-		MMAF Equipment Finance LLC 2011-A	DE	NIA	MassMutual Asset Finance LLC	Ownership	100.000	MMLIC	
0000			04 4500050				MML Private Placement Investment Company I,	DE	MILA	Massachusetts Mutual Life Insurance	0	400 000	184 10	I
0000			04-1590850				LLC	DE	NIA	Company	Ownership	100.000	MMLIC	1
0000			45 4070777				MOO III I I I I I I I I I I I I I I I I	DE	MILA	Massachusetts Mutual Life Insurance	0	400 000	184 10	I
0000			45-4376777		-		MSC Holding Company, LLC	DE	NIA	Company	Ownership	100.000	MMLIC	
0000			04-3341767	.l	.	1	MassMutual Holding MSC, Inc.	MA	NIA	MSC Holding Company, LLC	Ownership	_100.000	MMLIC	1

SCHEDULE Y

PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM

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		_									Type	If		
											of Control	Control		
											(Ownership,	is		
						Name of Securities			Relation-		Board,	Owner-		
						Exchange		Domi-	ship		Management,	ship		
		NAIC	Federal			if Publicly Traded	Names of	ciliary	to		Attorney-in-Fact,	Provide		
Group		Company	ID	Federal		(U.S. or	Parent, Subsidiaries	Loca-	Reporting	Directly Controlled by	Influence,	Percen-	Ultimate Controlling	
Code	Group Name	Code	Number	RSSD	CIK	International)	Or Affiliates	tion	Entity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	*
										Massachusetts Mutual Life Insurance				
0000			. 04-2854319 .	2392316			MassMutual Holding LLC	DE	NIA	Company	Ownership	100.000	MMLIC	
0000			. 06-1597528 .				MassMutual Assignment Company	NC	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC	
0000			. 04-1590850 .		0001399869		MassMutual Capital Partners LLC	DE	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC	
0000			47-1296410 .				MassMutual Ventures LLC	DE	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC	
0000							MM Caerulus Holdco US LLC	DE	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC	
0000			. 04-1590850 .		0000704050		MM Rothesay Holdco US LLC	DE	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC	
0000			04-1590850		0000701059		MML Investors Services, LLC	MA	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC	
0000			. 04-1590850 .		0001456663		MML Insurance Agency, LLC	MA DE	NIA NIA	MML Investors Services, LLC	Ownership	100.000	MMLIC	
0000			. 41-2011634 . . 04-3313782 .		0001400003		MMLISI Financial Alliances, LLC	DE	NIA	MassMutual Holding LLC	Ownership	51.000	MMLIC	
0000			. 04-00 10/82 .				MassMutual Asia Limited	HKG	NIA	MassMutual International LLC	Ownership	100.000	MMLIC	
0000							MassMutual Asia Investors Ltd.	HKG	NIA	MassMutual Asia Limited	Ownership	100.000	MMLIC	
0000							MassMutual Guardian Limited	HKG	NIA	MassMutual Asia Limited	Ownership.	. 100.000	MMLIC	
0000							MassMutual Insurance Consultants Limited	HKG	NIA	MassMutual Asia Limited	Ownership	100.000	MMLIC	
0000							MassMutual Services Limited	HKG	NIA	MassMutual Asia Limited	Ownership	100.000	MMLIC	
0000							MassMutual Trustees Limited	_HKG	NIA	MassMutual Asia Limited	Ownership	80.000	MMLIC	
							Protective Capital (International) Limited							
0000								HKG	NIA	MassMutual Asia Limited	Ownership	100.000	MMLIC	
0000							MassMutual Life Insurance Company	JPN	IA	MassMutual International LLC	Ownership	100.000	MMLIC	
0000							MassMutual Internacional (Chile) SpA	CHL	NIA	MassMutual International LLC	Ownership	100.000	MMLIC	
0000							MassMutual (Chile) Limitada	CHL	NIA	MassMutual International LLC	Ownership	100.000	MMLIC	
0000							Compania de Seguros CorpVida S.A	CHL	NIA	MassMutual International LLC	Ownership	27.900	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 Asset Management Holding LLC .	Ownership	100.000	MMLIC	
0000			80-0875475				Babson Capital Finance LLC	DE	NIA	Babson Capital Management LLC	Ownership	100.000	MMLIC	
0000			-				BCF Europe Funding Limited	JRL	NIA	Babson Capital Finance 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	GGY	NIA	Babson Capital Management LLC	Ownership	100.000	MMLIC	
0000			. 98-0432153 .				Babson Capital Europe Limited	GBR GBR	NIA	Babson Capital Guernsey Limited	Ownership	100.000	MMLIC	
0000							Almack Mezzanine GP III Limited	GBR	NIA	Babson Capital Europe Limited Babson Capital Europe Limited	Ownership	100.000	MMLIC	
0000							Almack Holding Partnership GP Limited	GBR	NIA NIA	Babson Capital Europe Limited Babson Capital Europe Limited	Ownership	100.000	MMLIC	
0000							Almack Mezzanine Fund II Limited	GBR	NIA	Babson Capital Europe Limited Babson Capital Europe Limited	Ownership	100.000	MMLIC	
0000							Babson Capital Global Advisors Limited	GBR	NIA	Babson Capital Europe Limited Babson Capital Europe Limited	Ownership	100.000	MMLIC	
0000			1				Babson Capital Japan KK	JPN	NIA	Babson Capital Management LLC	Ownership	100.000	MLIC	
0000			55-0878489	3456895	0001379495		Cornerstone Real Estate Advisers LLC	DE	NIA	Babson Capital Management LLC	Ownership.		MMLIC	
0000			04-3238351	3456895	0001073433		Cornerstone Real Estate Advisers Inc.	CA	NIA	Cornerstone Real Estate Advisers LLC	Ownership.	100.000	MMLIC	
					1		Cornerstone Real Estate Advisers Japan			The state of the s				
0000			l				K.K.	JPN	NIA	Cornerstone Real Estate Advisers LLC	Ownership	100.000	MMLIC	
							Cornerstone Real Estate UK Holdings				,			
0000							Limited	DE	NIA	Cornerstone Real Estate Advisers LLC	Ownership	100.000	MMLIC	
1		1			1	1	Cornerstone Real Estate UK (No. 2) Limited]	Cornerstone Real Estate UK Holdings				
0000			. 98-0654401 .					GBR	NIA	Limited	Ownership	100.000		
		1			1	1	Cornerstone Real Estate Advisers Europe			Cornerstone Real Estate UK Holdings				
0000			. 98-0654388 .				LLP	GBR	NIA	Limited	Ownership	100.000	MMLIC	
		1			1		Cornerstone Real Estate Advisers Europe			Cornerstone Real Estate UK Holdings				
0000			98-0654412 .				Finance LLP	GBR	NIA	Limited	Ownership	100.000	MMLIC	
0000							Babson Capital Asia Limited	HKG	NIA	Babson Capital Management LLC	Ownership	100.000	MMLIC	
					1		Babson Capital Australia Holding Company	l						
0000							Pty Ltd	AUS	NIA	Babson Capital Management LLC	Ownership	100.000	MMLIC	

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						Name of Securities			Dalation		(Ownership, Board,	is Owner-		
						Exchange		Domi-	Relation- ship		Management,	ship		
		NAIC	Federal			if Publicly Traded	Names of	ciliary	to		Attorney-in-Fact,	Provide		
Group		Company	ID	Federal		(U.S. or	Parent, Subsidiaries	Loca-	Reporting	Directly Controlled by	Influence,	Percen-	Ultimate Controlling	
Code	Group Name	Code	Number	RSSD	CIK	International)	Or Affiliates	tion	Entity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	*
					_					Babson Capital Australia Holding Company			1 3 (- 2) (-)	
0000							Babson Capital Australia Pty Ltd	AUS	NIA	Pty Ltd	Ownership	100.000		
0000							Babson Capital Cornerstone Asia Limited	HKG	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	
0000			. 26-3115362 .				Wood Creek Index Company, LLC	DE	NIA	Wood Creek Capital Management LLC	Ownership	100.000	MMLIC	
0000			45-4848428 .				Ceres Farms Holdings W, LLC	DE	NIA	Company	Ownership	41.700	MMLIC	
0000			45-4848428		-		Ceres Farms Holdings W, LLC	DE	NIA	Wood Creek Capital Management LLC	Management		MMLIC	
0000			. 45-3914146 .				CERES WCMAF Farms, LLC	DE	NIA	Wood Creek Capital Management LLC Massachusetts Mutual Life Insurance	Management			
0000			. 46-2198442 .		. 0001574089 .		Eighth Note, Inc.	DE	NI A	Company	Ownership	15.300	MMLIC	
0000			. 46-2198442 . 46-5205078		. 0001574089 .		Eighth Note, Inc.	DE DE	NI A	Wood Creek Capital Management LLC	Management		MMLIC	
0000			. 46-5205078 .				GFL Holdings, LLC	UE	NIA	Wood Creek Capital Management LLC	Management		MMLIC	
0000			46-5205078				GFL Holdings, LLC	DE	NIA	Company	Ownership	12.500	MMLIC	
0000			140 0200070 1				are norumgs, ees			Massachusetts Mutual Life Insurance	omici sirip.	12.000	WILL TO	
0000			46-1500495		.		U.S. WIG Holdings, LP	DE	NIA	Company	Ownership	11.700	MMLIC	
0000			46-1500495 .				U.S. WIG Holdings, LP	DE	NIA	Wood Creek Capital Management LLC	Management		MMLIC	
0000			. 46-1500495 .				U.S. WIG Holdings, LP	DE	NIA	Babson Capital Management LLC	Influence		MMLIC	
										Massachusetts Mutual Life Insurance				
0000			90-0841497				US Trailer Holdings LLC	DE	NIA	Company	Ownership	19.200	MMLIC	
0000			. 90-0841497 .				US Trailer Holdings LLC	DE	NIA	Wood Creek Capital Management LLC	Management		MMLIC	
0000			46-3378584				WC Aircraft Holdings US II, LLC	DE	NIA	Company	Ownership	17.900	MMLIC	
0000			46-3378584				WC Aircraft Holdings US II, LLC	DE	NIA	Wood Creek Capital Management LLC	Management		MMLIC	
0000			. 46–3378584 .		-		WC Aircraft Holdings US II, LLC	DE	NI A	Babson Capital Management LLC	Influence		MML1C	
0000							Wood Creek Aircraft Holding I, LP	CYM	NIA	Company	Ownership	12. 100	MMLIC	
0000							Wood Creek Aircraft Holding I, LP	CYML	NIA	Wood Creek Capital Management LLC	Management	12. 100	MMLIC	
0000			04-1590850		0001501011		Babson Capital Floating Rate Income Fund Management, LLC	DE	NIA	Babson Capital Management LLC	Ownership	100,000	MMLIC	
0000			1000000 .		. 0001001011 .		Babson Capital Core Fixed Income			Dabson oup tu management LLo	owner strip		- INNETO	
0000			27-3523916		. 0001503878 .		Management LLC	DE	NIA	Babson Capital Management LLC	Ownership	100.000		
0000			27-3524203		0001503879		Danson Sapital Istal netuli management LLO	DE	NIA	Babson Capital Management LLC	Ownership	100.000	MMLIC	
0000			98-0536233				Benton Street Advisors, Inc.	CYM	NIA	Babson Capital Management LLC	Ownership.	100.000	MMLIC	
0000			. 04-1590850 .				SDCOS Management LLC	DE	NIA	Babson Capital Management LLC	Ownership.	100.000	MMLIC	
0000			. 04-1590850 .				Credit Strategies Management LLC	DE	NIA	Babson Capital Management LLC	Ownership	100.000	MMLIC	
0000			. 04-1590850 .				Great Lakes III GP, LLC	DE	NIA	Babson Capital Management LLC	Ownership	100.000	MMLIC	
0000			. 04-1590850 .				Loan Strategies Management LLC	DE	NIA	Babson Capital Management LLC	Ownership	100.000	MMLIC	
0000			04-1590850		-		Mezzco LLC	DE	NIA	Babson Capital Management LLC	Ownership	100.000		
0000		-	02-0767001		-		Mezzco II LLC	DE	NIA	Babson Capital Management LLC	Ownership	98.400		
0000			. 41-2280126 . . 80-0920285 .		-		Mezzco III LLC	DE	NIA NIA	Babson Capital Management LLCBabson Capital Management LLC	Ownership		MMLIC	
0000		-	. 80-0920283 . . 90-0666326 .				Mezzco Australia LLC	DE	NIA NIA	Babson Capital Management LLCBabson Capital Management LLC	Ownership	72.000	MMLIC	
0000			. 00-000020 .				Somerset Special Opportunities Management			Dabson capital management LLC	οπιοι σπτρ	2.000		
0000			04-1590850 .				LLC	DE	NIA	Babson Capital Management LLC	Ownership.	100.000	MMLIC	
0000			04-1590850				Winterset Management LLC	DE	NIA	Babson Capital Management LLC	Ownership	100.000	MMLIC	
0000			84-1149206 .	2897101			Oppenheimer Acquisition Corp.	DE	NIA	MassMutual Asset Management Holding LLC .	Ownership	96.600	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	NI A	OppenheimerFunds, Inc.	Ownership	100.000	MMLIC	

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											Type	If	
											of Control	Control	
											(Ownership,	is	
						Name of Securities			Relation	-	Board,	Owner-	
						Exchange		Domi-	ship		Management,	ship	
		NAIC	Federal			if Publicly Traded	Names of	ciliary	to		Attorney-in-Fact,	Provide	
Group		Company	ID	Federal		(U.S. or	Parent, Subsidiaries	Loca-	Reportin		Influence,	Percen-	Ultimate Controlling
Code	Group Name	Code	Number	RSSD	CIK	International)	Or Affiliates	tion	Entity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s) *
0000			84-1106295				Oppenheimer Real Asset Management, Inc	DE	NI A	OppenheimerFunds, Inc.	Ownership	100.000	_ MML1C
0000			13-4160541	. 3458125	. 0001179479		OFI Global Institutional, Inc	NY	NI A	OppenheimerFunds, Inc.	Ownership	100.000	MMLIC
										OFI Institutional Asset Management, Inc.			
0000			. 13-3459790	2914875			OFI Global Trust Company	NY	NIA		Ownership	100.000	MMLIC
0000			00 0007440					A.D./		OFI Institutional Asset Management, Inc.	2	100 000	188 10
0000			22-2697140				HarbourView Asset Management Corporation	NY	NIA	OFI 1 4 14 4 1 1 4 4 1 1 4 4 1 1 4 1 4 1 1 4 1 4 1 1 4	Ownership	100.000	MMLIC
0000			OF 1051600		0000099782		Taiait. Investment Messages Commention	DΛ	MIA	OFI Institutional Asset Management, Inc.	O	_100.000	MMLIC
0000			25-1951632		0000099782		Trinity Investment Management Corporation	PA	NIA NIA	0	Ownership	100.000	MMLIC
0000			84-1128397 84-1066811	1	0000276398		OFI SteelPath, Inc.	DE	NIA	OppenheimerFunds, Inc.	Ownership	100.000	MMLIC
0000			. 84-0765063		0001041674		OFI Global Asset Management, Inc.	DE	NIA	OppenheimerFunds, Inc.	Ownership	100.000	MMLIC
0000			91-2036414		0001041674		OFI Private Investments Inc.	NY	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
			100 1121001				Tremont Capital Management (Ireland)			Tromont droup nordingo, mo.	- Carrier Griff		
0000							Limited	IRL	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			90-0874510				Settlement Agent LLC	DE	NIA	Tremont Group Holdings, Inc.	Ownership	100.000	MMLIC
0000							Tremont (Bermuda) Limited	BMU	NIA	Tremont Group Holdings, Inc.	Ownership	100.000	MMLIC
0000			04-1590850				MassMutual Baring Holding LLC	DE	NIA	MassMutual Asset Management Holding LLC .	Ownership	100.000	MML1C
0000			98-0241935	2363071	0000932463		Baring North America LLC	MA	NIA	MassMutual Baring Holding LLC	Ownership	100.000	MMLIC
0000							MassMutual Holdings (Bermuda) Limited	BMU	NIA	MassMutual Baring Holding LLC	Ownership	100.000	MMLIC
0000			98-0241935				Baring Asset Management Limited	GBR	NIA	MassMutual Holdings (Bermuda) Limited	Ownership	100.000	MMLIC
0000			98-0457328		0001568131		Baring International Investment Limited	GBR	NIA	Baring Asset Management Limited	Ownership	100.000	MMLIC
							Baring International Investment Management						
0000			98-0457587	-			Holdings	GBR	NIA	Baring Asset Management Limited	Ownership	100.000	_MMLIC
							Baring Asset Management UK Holdings			Baring International Investment			
0000			. 98-0457576				Limited	GBR	NI A		Ownership	100.000	MMLIC
										Baring Asset Management UK Holdings			
0000			. 98-0465031				Baring Asset Management GmbH	DEU	NIA	Limited	Ownership	100.000	MMLIC
0000			98-0524271				Baring Asset Management (Asia) Holdings Limited	HKG	NIA	Baring Asset Management UK Holdings Limited	Ownership	100.000	MML1C
0000			98-0524271				Baring International Fund Managers	nru	NIA	Baring Asset Management (Asia) Holdings	Owner Sn Tp		_ MMLIC
0000		1	98-0457465				(Bermuda) Limited	BMU	NIA	Limited	Ownership	100.000	MMLIC
0000			. 20-0401400				(Definida) Limited	VWU	N I M	Baring Asset Management (Asia) Holdings	Omitet 9111b		
0000		1	98-0457463				Baring Asset Management (Asia) Limited	HKG	NIA	Limited	Ownership	100.000	MMLIC
0000			. 00 0701700				Baring Asset Management Korea Limited	KOR	NIA	Baring Asset Management (Asia) Limited	Ownership.	100.000	MMLIC
							Salving Associating Management Relief Cod Elimited			Baring Asset Management (Asia) Holdings	оо. ор.		
0000		l	98-0236449				Baring Asset Management (Japan) Limited	JPN	NIA	Limited	Ownership.	100.000	MMLIC
							Baring Asset Management (Australia) Pty			Baring Asset Management (Asia) Holdings	1		
0000			98-0457456	.	. [Limited	AUS	NIA	Limited	Ownership	100.000	MMLIC
		1					Baring International Fund Managers			Baring Asset Management UK Holdings	·		
0000			98-0524272		. [(Ireland) Limited	JRL	NIA	Limited	Ownership	100.000	MMLIC
		1								Baring Asset Management UK Holdings			
0000							Baring Asset Management Switzerland Sàrl	CHE	NIA	Limited	Ownership	100.000	MMLIC
		1								Baring Asset Management UK Holdings			
0000			. 98-0457707				Baring SICE (Taiwan) Limited	TWN	NIA	Limited	Ownership	100.000	MMLIC
		1						l		Baring Asset Management UK Holdings		1	
0000			98-0497550		.		Baring France SAS	FRA	NIA	Limited	Ownership	100.000	MMLIC
0000			98-0457586				Baring Fund Managers Limited	GBR	NIA	Baring Asset Management Limited	Ownership	100.000	MMLIC
0000			98-0457574	.	.		Baring Pension Trustees Limited	GBR	NIA	Baring Asset Management Limited	Ownership	100.000	MMLIC

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1	2	3	4	5	6	7	8	9	10	11	12 Type of Control (Ownership,	13 If Control is	14	15
						Name of Securities			Relation-		Board,	Owner-		
						Exchange		Domi-	ship		Management,	ship		
		NAIC	Federal			if Publicly Traded	Names of	ciliary	to		Attorney-in-Fact,	Provide		
Group		Company	ID	Federal		(U.S. or	Parent, Subsidiaries	Loca-	Reporting	Directly Controlled by	Influence,	Percen-	Ultimate Controlling	
Code	Group Name	Code	Number	RSSD	CIK	International)	Or Affiliates	tion	Entity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	*
0000			98-0457578				Baring Investment Services Limited	GBR	NIA	Baring Asset Management Limited	Ownership	100.000	MMLIC	
							MassMutual International Holding MSC, Inc.							
0000			04-3548444 .					MA	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC	
0000			62-0951563 .	1160004	. 0001259664		First Mercantile Trust Company	TN	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC	
0000			. 04-3324233 .				HYP Management LLC	DE	NIA	MassMutual Holding LLC	Ownership	100.000	MMLIC	
0000			04-2443240 .				MML Realty Management Corporation	MA	NIA	MassMutual Holding LLC	Ownership	100.000		
0000			47-1466022 .				Society of Grownups, LLC	MA	NIA	MassMutual Holding LLC	Ownership	100.000	. MMLIC	
										Massachusetts Mutual Life Insurance				
0000			04-1590850				MML Mezzanine Investor II, LLC	DE	NIA	Company	Ownership	100.000	MMLIC	
0000		1	04 4500050					DE		Massachusetts Mutual Life Insurance		400.000	144 10	
0000			. 04-1590850 .				MML Mezzanine Investor III, LLC	DE	NIA	Company	Ownership	100.000	MMLIC	
0000			07 0570005				No. of the American Inc. of the Constitution	DE	NILA	Massachusetts Mutual Life Insurance	0h :	100 000	MMLIC	
0000			27-3576835 .				MassMutual External Benefits Group LLC	DE	NIA	Company	Ownership	100.000	MMLIC	
0000			04-1590850				MML Re Finance LLC	DE	NIA		Ownership	100.000	MMLIC	
0000			. 04-1590850 .				MINL RE FINANCE LLC	DE	NIA	Company	Ownership	100.000	MMLIC	
0000			04-1590850				MP-Apts, LLC	DE	NIA	Company	Ownership	.100.000	MMLIC	
0000			04-1090600 .				MF-Apts, LLC	VE	NIA	Massachusetts Mutual Life Insurance	Owner Strip			
0000			27-4349154				580 Walnut Cincinnati LLC	DE	NIA	Company	Ownership	50.000		
0000			. 21-4348134 .				Joo warnut ornermati ELC	UE	NI A	Massachusetts Mutual Life Insurance	Owner Sirrp			
0000			52-2274685 .				C A F I, Inc.	MD	NIA	Company	Ownership.	69.900	MMLIC	
0000			. 02 22/4000 .				0 X 1 1, 1116.	IND		Massachusetts Mutual Life Insurance	Owner Sirry		WINE TO	
0000			56-2574604				Invicta Advisors LLC	DE	NIA	Company	Ownership.	89.000	MMLIC	
										Massachusetts Mutual Life Insurance				
0000			27-0105644				Jefferies Finance LLC	DE	NIA	Company	Ownership	45.000	MMLIC	1
0000			27-0105644				Jefferies Finance LLC	DE	NIA	Babson Capital Management LLC	Ownership	5.000	MMLIC	
										Massachusetts Mutual Life Insurance				
0000			04-1590850 .		0000067160		MML Private Equity Fund Investor LLC	DE	NIA	Company	Ownership	100.000	MMLIC	
0000			04-1590850 .				MM Private Equity Intercontinental LLC	DE	NIA	MML Private Equity Fund Investor LLC	Ownership	100.000	MMLIC	
										Massachusetts Mutual Life Insurance				
0000							Almack Mezzanine Fund LP	GBR	NIA	Company	Ownership	35.600	MMLIC	
0000							Almack Mezzanine Fund LP	GBR	NIA	C.M. Life Insurance Company	Ownership	4.000	MMLIC	
0000							Almack Mezzanine Fund LP	GBR	NIA	Babson Capital Europe Limited	Management		MMLIC	
										Massachusetts Mutual Life Insurance			l	
0000							Almack Mezzanine Fund II Unleveraged LP	GBR	NIA	Company	Ownership	71.300	MMLIC	
0000							Almack Mezzanine Fund II Unleveraged LP	GBR	NIA	Babson Capital Europe Limited	Management		MMLIC	
0000		1						000		Massachusetts Mutual Life Insurance		00.000		
0000							Almack Mezzanine Fund III LP	GBR	NIA	Company	Ownership	33.000	MMLIC	
0000							Almack Mezzanine Fund III LP	GBR	NIA	C.M. Life Insurance Company	Ownership	4.100	MMLIC	
0000							Almack Mezzanine Fund III LP	GBR	NIA	Babson Capital Europe Limited	Management		MMLIC	
0000		1	55-0886109		0001321302		Babson Capital High Yield LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	88.200	MMLIC	
0000			55-0886109 .		0001321302		Babson Capital High Yield LLCBabson Capital High Yield LLC	DE	NIA	C.M. Life Insurance Company	Ownership		MMLIC	
0000		l	55-0886109 .		0001321302		Babson Capital High Yield LLC	DE	NIA	Babson Capital Management LLC	Management	11.000	MMLIC	
0000			. 601 0000-0		000 132 1302		Babson Capital Floating Rate Income Fund,	VE	N I M		manayement		WITHLIV	
0000		1	27-3330830		0001521404		P	DE	NIA	MassMutual Holding LLC	Ownership	7.100	MMLIC	
0000					000 102 1704		Babson Capital Floating Rate Income Fund,			massmatual notating LLO	- Ισπιοι σιτιρ	100		
0000		1	27-3330830		0001521404		I P	DE	NIA	Babson Capital Management LLC	Management		MMLIC	
5000					102 102 1704		Babson Capital Global Investment Funds plc			Massachusetts Mutual Life Insurance	- managomont			

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						Name of Securities			Relation-		Board,	Owner-		
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		NAIC	Federal			if Publicly Traded	Names of	ciliary	to		Attorney-in-Fact,	Provide		
Group		Company	ID	Federal		(U.S. or	Parent, Subsidiaries	Loca-	Reporting	Directly Controlled by	Influence,	Percen-	Ultimate Controlling	
Code	Group Name	Code	Number	RSSD	CIK	International)	Or Affiliates	tion	Entity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	*
							Babson Capital Global Investment Fund 2			Massachusetts Mutual Life Insurance				,
0000					. 0001582591		plc	JRL	NIA	Company	Ownership	21.800		
0000					0001582591		Babson Capital Global Investment Fund 2	IRL	NIA	Dibara Or ital Managara 110	W		MMLIC	
0000					. 0001582591		plc	JKL	NIA	Babson Capital Management LLC Massachusetts Mutual Life Insurance	Management		- MMLIC	
0000					0001515694		Babson Capital Global Umbrella Fund plc	GBR	NIA	Company Company	Ownership	52.900	MMLIC	
0000					. 0001313034		Dabson Capital Global Gibbletta Fullu pic	nubn	NIA	Massachusetts Mutual Life Insurance	owner strip			
0000			37-1506417				Babson Capital Loan Strategies Fund, L.P.	DE	NIA	Company	Ownership	78.400	MMLIC	
0000			37-1506417				Babson Capital Loan Strategies Fund, L.P.	DE	NIA	C.M. Life Insurance Company	Ownership	3.900	MMLIC	
0000			37-1506417				Babson Capital Loan Strategies Fund, L.P.	DE	NIA	Babson Capital Management LLC	Management		MMLIC	-
0000							Babson CLO Ltd. 2005-I	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	7
0000							Babson CLO Ltd. 2005-II	CYM	NIA	Babson Capital Management LLC	Influence.		MMLIC	8
0000							Babson CLO Ltd. 2005-III	CYM	NIA	Babson Capital Management LLC	Influence		. MMLIC	3
0000							Babson CLO Ltd. 2006-I	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	9
0000							Babson CLO Ltd. 2006-II	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	10
0000							Babson CLO Ltd. 2007-I	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	11
0000							Babson CLO Ltd. 2011-I	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	
0000							Babson CLO Ltd. 2012-I	CYM	NIA	Babson Capital Management LLC	Influence		. MMLIC	
0000				-			Babson CLO Ltd. 2012-II	CYM	NIA	Babson Capital Management LLC	Influence		. MMLIC	
0000							Babson CLO Ltd. 2013-I	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	14
0000			98-1128827 .				Babson CLO Ltd. 2013-II	CYM	NIA	Babson Capital Management LLC	Influence		. MMLIC	15
0000							Babson CLO Ltd. 2014-I	CYM	NIA	Babson Capital Management LLC	Influence		. MMLIC	
0000			46-3133952				Babson Euro CLO 2014-1 BV	NLD MA	NIA NIA	Babson Capital Management LLC	Influence	45.400	MMLIC	
0000			. 40-3 133932 .				Babson Global Floating Rate Fund Babson Global Income Opportunities Credit	MA	NIA	Babson Capital Management LLC	Ownership	43.400	- MMLIC	
0000			46-3119764				Fund	MA	NIA	Babson Capital Management LLC	Ownership	84.300	MMLIC	
0000			. 40-3119704				Babson Mid-Market CLO Ltd. 2007-II	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	2
0000			98-0536233				Benton Street Partners I. L.P.	CYM	NIA	MassMutual Capital Partners LLC	Ownership.	95.900	MMLIC	
0000			98-0536233				Benton Street Partners I, L.P.	CYM	NIA	Babson Capital Management LLC	Management		MMLIC	-
0000			98-0536233				Benton Street Partners I. L.P.	CYM		C.M. Life Insurance Company	Ownership	0.100	MMLIC	
							,			Massachusetts Mutual Life Insurance	'			
0000			98-0536233				Benton Street Partners I, L.P.	CYM	NIA	Company	Ownership	4.000	MMLIC	
0000			98-0536199				Benton Street Partners II, L.P.	CYM	NIA	Babson Capital Management LLC	Ownership	98.800	MMLIC	5
0000							Clear Lake CLO, Ltd.	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	
							Connecticut Valley Structured Credit CDO							
0000				-			II, Ltd	CYM	NIA	Babson Capital Management LLC	Influence		. MMLIC	12
							Connecticut Valley Structured Credit CDO							
0000							III, Ltd	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	
0000				4007440			Diamond Lake CLO, Ltd.	CYM	NIA	Babson Capital Management LLC	Influence		. MMLIC	4
0000				4007418			Duchess I CDO S.A	GBR GBR	NIA NIA	Babson Capital Management LLC	Influence		MMLICMMLIC	
0000				400/445			Duchess IV CDO S.A.	GBR	NIANIA.	Babson Capital Management LLCBabson Capital Management LLC	Influence		MMLIC	
0000					-		Duchess V CDO S.A.	GBR	NIA	Babson Capital Management LLC	Influence		MMLIC	
0000				3981641			Duchess VI CLO B.V.	GBR	NIA	Babson Capital Management LLC Babson Capital Management LLC	Influence		MMLIC	
0000				4007502			Duchess VII CLO B.V.		NIA	Babson Capital Management LLC	Influence		MMLIC	
0000							Fugu CLO B.V.	GBR	NIA	Babson Capital Management LLC	Influence		MMLIC	6
0000							Fugu Credit Plc	GBR	NIA	Babson Capital Management LLC	Influence		MMLIC	6
										Massachusetts Mutual Life Insurance				
0000			80-0691253		0001517196		Gateway Mezzanine Partners I, L.P.	DE	NIA	Company	Ownership	74.900	MMLIC	
0000			80-0691253		0001517196		Gateway Mezzanine Partners I, L.P.	DE	NIA	C.M. Life Insurance Company	Ownership	9.300	MMLIC	
0000			80-0691253	.	. 0001517196		Gateway Mezzanine Partners I, L.P.	DE	NIA	Babson Capital Management LLC	Management		. MML IC	

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						Name of Securities			Relation	1-	Board,	Owner-			
						Exchange		Domi-	ship		Management,	ship			
		NAIC	Federal			if Publicly Traded	Names of	ciliary	to		Attorney-in-Fact,	Provide			
Group		Company	ID	Federal		(U.S. or	Parent, Subsidiaries	Loca-	Reportin	Directly Controlled by	Influence,	Percen-		Ultimate Controlling	
Code	Group Name	Code	Number	RSSD	CIK	International)	Or Affiliates	tion	Entity	(Name of Entity/Person)	Other)	tage		Entity(ies)/Person(s)	*
0000	Group Harrie	0000	80-0691253	11005	0001517196	intornational)	Gateway Mezzanine Partners I, L.P.	DE	NIA	MassMutual Holding LLC	Ownership	10.900	MML10		+
0000			00 000 1200 .		0001017100		Gateway Mezzanine Partners I Trust	CYM	NIA	Babson Capital Management LLC	Influence	. 10.000	MML I		
0000							dateway wezzaiiiie i ai theis i iiust	VIWL		Massachusetts Mutual Life Insurance	TITI Tuerice		IVIVIL I V	,	
0000			90-0991195		0001597511		Gateway Mezzanine Partners II LP	DE	NIA	Company	Ownership	85.500	MMLI	`	
0000			90-0991195		0001597511		Gateway Mezzanine Partners II LP	DE	NIA	C.M. Life Insurance Company	Ownership.	12.800	MMLI		
0000			90-0991195		0001597511		Gateway Mezzanine Partners II LP	DE	NIA	Babson Capital Management LLC	Management	12.000	MML I		
0000			. 30 0331133 .		0001037311		dateway wezzaiiiie i ai theis ii Li			Massachusetts Mutual Life Insurance	management		WWW.L.1	,	
0000			71-1018134				Great Lakes II LLC	DE	NIA	Company	Ownership	11.200	MMLI	•	
0000			71-1018134 .				Great Lakes II LLC	DE	NIA	C.M. Life Insurance Company	Ownership	1.000	MML I		.
0000			. 1-1010134 .	1			UI CAL LANCO II LLU			Massachusetts Mutual Life Insurance	Omitet 9111b	1.000	INML I	<i>,</i>	.
0000			37-1708623		0001565779		Great Lakes III. L.P.	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	35.700	MMLI	•	
0000			. 37-1708623 . . 37-1708623 .		0001565779		Great Lakes III, L.P.	. DE	NIA	Babson Capital Management LLC	Management		MMLI		.
0000			. 37-1700023 .		0001363779		Great Lakes III, L.F.	VE	NIA	Massachusetts Mutual Life Insurance	Mariagement		INIVIL I	<i>,</i>	
0000			56-2505390	1			Great Lakes LLC	DE	NIA	Company	Ownership	4.400	MMLI	•	
0000			56-2505390				Great Lakes LLC	DE	NIA	C.M. Life Insurance Company	Ownership	0.500	MML I		
0000			46-2344300				Intermodal Holdings II LLC	DE	NIA	Babson Capital Management LLC	Influence	0.300	MML I		
0000			. 40-2344300 .				Intermodal Holdings II LLC	VE	NIA	Massachusetts Mutual Life Insurance	Influence		INIML I	·	-
0000			FO 0F74F00				Look A. H. Like and I. O.	MA	ALLA		0	05 000	MML I		
0000			. 56-2574568 .				Invicta Holdings LLC		NIA	Company	Ownership	85.600			
0000							Malin CLO B.V.	GBR	NIA	Babson Capital Management LLC	InfluenceInfluence		MML10		
0000									NIA	Babson Capital Management LLC			MML I		
							Rockall CLO B.V.	GBR	NIA	Babson Capital Management LLC	Influence				
0000							Saint James River CDO, Ltd.	CYM	NIA	Babson Capital Management LLC	Influence		MML10		
0000							Salomon Trust 2001-MM	DE	NIA	Cornerstone Real Estate Advisers LLC	Influence		MML10		13
0000							Sapphire Valley CDO I, Ltd.	VYM	NIA	Babson Capital Management LLC	Influence		MML I	,	13
0000			74 0400000				00000 L D	DE				400 000			
0000			74-3182902 ₋ 74-3182902				SDCOS L.P.	DE	NIA	Company	Ownership	100.000	MML I		
0000			. 74-3182902 .				SDCOS L.P.	DE	NIA	Babson Capital Management LLC	Management		MML I	<i>;</i>	
0000			00 0050077		0004400040			DE		Massachusetts Mutual Life Insurance		04 000			
0000			. 20-8856877 .		0001409910		Somerset Special Opportunities Fund L.P.	DE	NIA	Company	Ownership	31.600	MML I		
0000			20-8856877 .		0001409910		Somerset Special Opportunities Fund L.P.	DE	NIA	C.M. Life Insurance Company	Ownership	1.500	MMLI		
0000			20-8856877 .		0001409910		Somerset Special Opportunities Fund L.P.	DE	NIA	Babson Capital Management LLC	Management		MML I		
0000							Suffield CLO, Limited	CYM	NIA	Babson Capital Management LLC	Influence		MML I		
0000		-	40.0400446				Summit Lake CLO, Ltd.	CYM	NIA	Babson Capital Management LLC	Influence	-	MML I		-
0000		-	46-3123110 .				Sweet Tree Holding 1 LLC	DE	NIA	Babson Capital Management LLC	Influence	-	MML I	<i>;</i>	-
0000			40 0400446				O and Torre Halding 4 11 C	D-		Massachusetts Mutual Life Insurance	0	74 500	100		
0000			46-3123110 .				Sweet Tree Holding 1 LLC	DE	NIA	Company	Ownership	74.500	MML I	<i>j</i>	-
0000			04 0700000		0004000750		T 0 0. :t-1 5 1 5	D-		Massachusetts Mutual Life Insurance	0	44 000	100		
0000			. 04-3722906 .		0001228752		Tower Square Capital Partners, L.P.	DE	NIA	Company	Ownership	41.200	MML I		-
0000			04-3722906 .		0001228752		Tower Square Capital Partners, L.P.	DE	NIA	C.M. Life Insurance Company	Ownership	0.600	MMLI		
0000			04-3722906 .		0001228752		Tower Square Capital Partners, L.P.	DE	NIA	Babson Capital Management LLC	Management		MML I		-
0000		-	04-3722906 .		0001228752		Tower Square Capital Partners, L.P.	DE	NIA	MassMutual Holding LLC	Ownership	6.100	MML I	<i>;</i>	-
0000			00 0000015	1	0004045070		T 0 0 11 1 D 1 11 1 2	DE		Massachusetts Mutual Life Insurance		00.400			
0000		-	30-0336246 .		0001345379		Tower Square Capital Partners II, L.P	DE	NIA	Company	Ownership	22.400	MML I		-
0000		-	30-0336246 .		0001345379		Tower Square Capital Partners II, L.P	DE	NIA	C.M. Life Insurance Company	Ownership	4.000	MMLI		-
0000			30-0336246 .		0001345379		Tower Square Capital Partners II, L.P.	DE	NIA	Babson Capital Management LLC	Management		MML I		-
0000			. 30-0336246 .		0001345379		Tower Square Capital Partners II, L.P	DE	NIA	MassMutual Holding LLC	Ownership	6.100	MML I	;	-
0000			00 0400400	1			T 0 0 11 1 D 1 11 1 1 2	DE		Massachusetts Mutual Life Insurance		70.000			
0000			32-0160190 .				Tower Square Capital Partners II-A, L.P.	DE	NIA	Company	Ownership	76.800	MML I		-
0000			32-0160190 .				Tower Square Capital Partners II-A, L.P.	DE	NIA	C.M. Life Insurance Company	Ownership	13.600	MML I		-
0000			32-0160190 .				Tower Square Capital Partners II-A, L.P.	DE	NIA	Babson Capital Management LLC	Management	-	MML I		-
0000		.	41-2280127 .		0001447547		Tower Square Capital Partners III, L.P	DE	NIA	Babson Capital Management LLC	Management	.	MML I	/	.

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						Name of Securities			Relation-		Board,	Owner-		
						Exchange		Domi-	ship		Management,	ship		
		NAIC	Federal			if Publicly Traded	Names of	ciliary	to		Attorney-in-Fact,	Provide		
Group		Company	ID	Federal		(U.Ś. or	Parent, Subsidiaries	Loca-	Reporting	Directly Controlled by	Influence,	Percen-	Ultimate Controlling	
Code	Group Name	Code	Number	RSSD	CIK	International)	Or Affiliates	tion	Entity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	*
0000			41-2280127		0001447547		Tower Square Capital Partners III, L.P	DE	NIA	MassMutual Holding LLC	Ownership	5.000	MMLIC	
										Massachusetts Mutual Life Insurance	·			
0000			41-2280127 .		0001447547 .		Tower Square Capital Partners III, L.P	DE	NIA	Company	Ownership	16.200	MMLIC	
										Massachusetts Mutual Life Insurance				
0000			41-2280129 .		0001447548 .		Tower Square Capital Partners IIIA, L.P	DE	NIA	Company	Ownership	86.500	MMLIC	
0000			41-2280129 .		0001447548 .		Tower Square Capital Partners IIIA, L.P	DE	NIA	Babson Capital Management LLC	Management		MMLIC	
0000			80-0920340 .		0001597019 _		Tower Square Capital Partners IV, L.P	DE	NIA	Babson Capital Management LLC	Management		MMLIC	
0000			80-0920367 _		0001598727		Tower Square Capital Partners IV-A, L.P	DE	NIA	MassMutual Holding LLC	Ownership	21.300	MMLIC	
0000		.	80-0920367 .		0001598727		Tower Square Capital Partners IV-A, L.P	DE	NIA	Babson Capital Management LLC	Management		MMLIC	
0000			46-2104352 .		.		U.S. Trailer Holdings II LLC	DE	NIA	Babson Capital Management LLC	Influence		MMLIC	
0000							Whately CDO, Ltd	CYM	NI A	Babson Capital Management LLC	Influence		MMLIC	
					1					Massachusetts Mutual Life Insurance				
0000					0001324680 .		Winterset Capital Partners, L.P	CYM	NIA	Company	Ownership	75.800	MMLIC	
0000					0001324680 .		Winterset Capital Partners, L.P	CYM	NIA	C.M. Life Insurance Company	Ownership	2.400	MMLIC	
0000					0001324680 _		Winterset Capital Partners, L.P.	CYM	NIA	Babson Capital Management LLC	Management		MMLIC	
										Massachusetts Mutual Life Insurance				
0000		-	20-4981369		0001371601 .		Wood Creek Multi Asset Fund, L.P	DE	NIA	Company	Ownership	100.000	MMLIC	
0000		-	20-4981369 .		0001371601 .		Wood Creek Multi Asset Fund, L.P	DE	NIA	Babson Capital Management LLC	Management		MMLIC	
										Massachusetts Mutual Life Insurance				
0000			. 04-1590850 .				Wood Creek Venture Fund LLC	MA	NIA	Company	Ownership	60.000	MMLIC	
							Baring All Country World ex US Equity Fund							
0000			45-4184261 .		0001547286 .			DE	NIA	Baring Asset Management Limited	Influence		MMLIC	
										Massachusetts Mutual Life Insurance				
0000							Baring Emerging Market Corp Debt Fund	JRL	NIA	Company	Ownership	65.900	MMLIC	
0000							Baring Emerging Market Corp Debt Fund	JRL	NIA	Baring Asset Management Limited	Management		MMLIC	
0000			44 0700440					DE.		Massachusetts Mutual Life Insurance		44 000		
0000			. 11–3789446 . . 11–3789446 .				Baring Focused EAFE Equity Fund	DE	NIA	Company Baring Asset Management Limited	Ownership	14.300	MMLIC	
0000			. 11-3/89446 .				Baring Focused EAFE Equity Fund	∪⊏	NI A	Massachusetts Mutual Life Insurance	Management		MINILIO	
0000			30-0607379		0001497049		Baring Global Dynamic Asset Allocation Fund	DE	NIA	Company	Ownership.	50.300	MMLIC	
0000		-	. 50-000/3/9 .		10001497049 .		Baring Global Dynamic Asset Allocation	∪⊏	NIA	- Company	Owner SITP	00.300		
0000			30-0607379		0001497049		Fund	DE	NIA	Baring Asset Management Limited	Management		MMLIC	
0000		-	39-2059577		0001497049		Baring International Equity Fund	DE	NIA	Baring Asset Management Limited	Management_		MMLIC	
0000		-			3001701702		Baring International Small Cap Equity Fund			Massachusetts Mutual Life Insurance	managomont			
0000			26-4142796		1		Daring international omail oap Equity Fund	DE	NIA	Company	Ownership		MMLIC	
							Baring International Small Cap Equity Fund			oompally	Omilot Strip			
0000			26-4142796		1		Darring International omail oup Equity runu	DE	NIA	Baring Asset Management Limited	Management		MMLIC	
0000			46-1197222				Baring World Equity Fund	DE	NIA	Baring Asset Management Limited	Management Management		MMLIC	
							Multi-Employer Global Aggregate							
0000			26-1896226				Diversified Portfolio	DE	NIA	Baring Asset Management Limited	Management		MMLIC	
							12-18 West 55th Street Predevelopment, LLC			Massachusetts Mutual Life Insurance				
0000			20-2548283				, 220	DE	NIA	Company	Ownership		MMLIC	
							12-18 West 55th Street Predevelopment, LLC				,			
0000			20-2548283 .					DE	NIA	C.M. Life Insurance Company	Ownership	7.700	MMLIC	
										Massachusetts Mutual Life Insurance	,			
0000			46-4803557 .				2 Harbor Shore Member LLC	DE	NIA	Company	Ownership	91.000	MMLIC	
0000			46-4803557				2 Harbor Shore Member LLC	DE	NIA	C.M. Life Insurance Company	Ownership	9.000	MMLIC	
										Massachusetts Mutual Life Insurance				
0000			45-5257904 .				21 West 86 LLC	DE	NIA	Company	Ownership	91.200	MMLIC	
0000		.	45-5257904	l		1	21 West 86 LLC	DE	NIA	C.M. Life Insurance Company	Ownership	4.800		

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											(Ownership,	is		
						Name of Securities			Relation-		Board,	Owner-		
						Exchange		Domi-	ship		Management,	ship		
		NAIC	Federal			if Publicly Traded	Names of	ciliary	to		Attorney-in-Fact,	Provide		
Group		Company	ID	Federal		(U.S. or	Parent, Subsidiaries	Loca-	Reporting	Directly Controlled by	Influence,	Percen-	Ultimate Controlling	
Code	Group Name	Code	Number	RSSD	CIK	International)	Or Affiliates	tion	Entity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	*
0040	a.oup.rumo			1.002	0	to:::atio::ati	O. Tacco	1.0		Massachusetts Mutual Life Insurance	0	lago		
0000			45-2779931				AT Mid-Atlantic Office Portfolio LLC	DE	NIA	Company	Ownership	90.000	MMLIC	
0000			45-2779931				AT Mid-Atlantic Office Portfolio LLC	DE	NIA	C.M. Life Insurance Company	Ownership	10.000	MMLIC	
0000			40 Z110001				AT WITH ACTUALTY OFFICE FOR COUNTY LED			Massachusetts Mutual Life Insurance	owner strip.		WINE TO	
0000			20-4570515		0001362970		Babson Mezzanine Realty Investors I	DE	NIA	Company	Ownership	35.800	MMLIC	
0000			20-4570515		0001362970		Babson Mezzanine Realty Investors I	DE	NIA	C.M. Life Insurance Company	Ownership	1.900	MMLIC	
0000			20-4570515		0001362970		Babson Mezzanine Realty Investors I	DE	NIA	Cornerstone Real Estate Advisers LLC	Management	1.500	MMLIC	
0000			20 40/00/0		. 0001002570		Dabson wczzannie nearty investors i			Massachusetts Mutual Life Insurance	management			
0000			24-1446970		0001362970		Babson Mezzanine Realty Investors II	DE	NIA	Company	Ownership	69.800	MMLIC	
0000			24-1446970		0001362970		Babson Mezzanine Realty Investors II	DE	NIA	Cornerstone Real Estate Advisers LLC	Management	000.60	MMLIC	
0000			27 1770070		. 0001002370		Dabson mczzannie nearty myestols II			Massachusetts Mutual Life Insurance	managoniont	-		
0000			04-1590850				CHC/RFP VI Core LLC	DE	NIA	Company	Ownership	100.000	MMLIC	
0000			06-1595820		-		Cornerstone Apartment Fund I, LLC	DE	NIA	Cornerstone Real Estate Advisers LLC	Influence		MMLIC	
0000			20-5786329		0001386622		Cornerstone Apartment Venture III, LLC	DE	NIA	Cornerstone Real Estate Advisers LLC	Influence		MMLIC	
0000			. 20-3/00329 .		. 0001300022		Cornerstone Apartment venture III, LLC	DE	NIA	Massachusetts Mutual Life Insurance	IIII Tuelice		INWILTO	
0000			56-2639862				Cornerstone Austin Park Central LP	DE	NIA	Company	Ownership	91.000	MMLIC	
0000			56-2639862				Cornerstone Austin Park Central LP	DE	NIA	C.M. Life Insurance Company	Ownership	9.000	MMLIC	
0000			27-1701733		0001481753		Cornerstone Core Mortgage Fund I LP	DE	NIA	Cornerstone Real Estate Advisers LLC	Management		MMLIC	
0000			21-1101133		. 0001401733		Cornerstone core mortgage rund i Er		INI A	Massachusetts Mutual Life Insurance	management		WWLIV	
0000			27-1701622		0001481752		Cornerstone Core Mortgage Venture LP	DE	NIA	Company	Ownership	50.000	MMLIC	
0000			27-1701022		. 0001481752		Cornerstone Core Mortgage Venture I LP	DE	NIA	Cornerstone Real Estate Advisers LLC	Management		MMLIC	
0000			45-3751572		0001481732		Cornerstone Enhanced Mortgage Fund LP	DE	NIA	Cornerstone Real Estate Advisers LLC	Ownership	16.000	MMLIC	
0000			45 5/5/5/2		. 0001334077		Corner stone Limanced mortgage rund i Li		NIA	Massachusetts Mutual Life Insurance	Owner strip	10.000		
0000			56-2630592				Cornerstone Fort Pierce Development LLC	DE	NIA	Company	Ownership	83.900	MMLIC	
0000			56-2630592				Cornerstone Fort Pierce Development LLC	DE	NIA	C.M. Life Insurance Company	Ownership	6.100	MMLIC	
0000			. 00 2000002				dorner atone for the refee beveropment LLO			Massachusetts Mutual Life Insurance	owner strip		INNETO	
0000			20-8730751				Cornerstone Global Real Estate LP	DE	NIA	Company	Ownership	92.300	MMLIC	
0000			20-8730751				Cornerstone Global Real Estate LP	DE	NIA	C.M. Life Insurance Company	Ownership	7.600	MMLIC	
0000			20-8730751				Cornerstone Global Real Estate LP	DE	NIA	Cornerstone Real Estate Advisers LLC	Management		MMLIC	
0000			20 0/00/01				Corner Stone Grobal fical Estate El			Massachusetts Mutual Life Insurance	management			
0000			36-4770946		0001590049		Cornerstone High Yield Venture LP	DE	NIA	Company	Ownership	49.900	MMLIC	
0000			36-4770946		0001590049		Cornerstone High Yield Venture LP	DE	NIA	Cornerstone Real Estate Advisers LLC	Management		MMLIC	
					355.5500.5		The state of the s			Massachusetts Mutual Life Insurance				
0000			20-5578165				Cornerstone Holding LP	DE	NIA	Company	Ownership	10.000	MMLIC	
							Cornerstone Hotel Income & Equity Fund II			Massachusetts Mutual Life Insurance				
0000			26-1528817		0001423638		LP	DE	NIA	Company	Ownership	16.900	MMLIC	
							Cornerstone Hotel Income and Equity Fund							
0000		1	26-1528817		0001423638		II (PF) LP	DE	NIA	Cornerstone Real Estate Advisers LLC	Management		MMLIC	
							. , =			Massachusetts Mutual Life Insurance			-	
0000			20-5567494	l	.		Cornerstone Non-REIT Holding LLC	DE	NIA	Company	Ownership	33.700	MMLIC	
0000			27-5209432				Cornerstone Real Estate Fund VIII (PF) LP	DE	NIA	Cornerstone Real Estate Advisers LLC	Management		MMLIC	
0000			27-0547156				Cornerstone Real Estate Fund VIII LP	DE	NIA	Cornerstone Real Estate Advisers LLC	Influence		MMLIC	
			1	1						Massachusetts Mutual Life Insurance				
0000			26-2399532				CREA/LYON West Gateway, LLC	DE	NIA	Company	Ownership	54.000	MMLIC	
0000			26-2399532				CREA/LYON West Gateway, LLC	DE	NIA	C.M. Life Insurance Company	Ownership	6.000	MMLIC	
							The state of the s			Massachusetts Mutual Life Insurance				
0000			27-2934589				CREA/Nexus Anaheim Corners Holdings LLC	DE	NIA	Company	Ownership	63.900	MMLIC	
							The state of the s			Massachusetts Mutual Life Insurance				
0000			20-0348173		.		CREA/PPC Venture LLC	DE	NIA	Company	Ownership	93.400	MMLIC	
0000			20-0348173				CREA/PPC Venture LLC	DE	NIA	C.M. Life Insurance Company	Ownership	6.600	MMLIC	

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											(Ownership,	is		
						Name of Securities		ъ .	Relation-		Board,	Owner-		
		NAIG	l =			Exchange	N	Domi-	ship		Management,	ship		
Craun		NAIC	Federal ID	Fodoval		if Publicly Traded (U.S. or	Names of Parent, Subsidiaries	ciliary	to	Directly Controlled by	Attorney-in-Fact,	Provide	Liltimata Controlling	
Group Code	Group Name	Company Code	Number	Federal RSSD	CIK	International)	Or Affiliates	Loca- tion	Reporting Entity	(Name of Entity/Person)	Influence, Other)	Percen- tage	Ultimate Controlling Entity(ies)/Person(s)	*
Code	Group Name	Code	Number	nood	CIR	international)	Of Affiliates	tion	Littity	Massachusetts Mutual Life Insurance	Other)	lage	Littly(les)/Ferson(s)	+
0000			. 26-1611591	3956836			Fallon Cornerstone One MPD LLC	DE	NIA	Company	Ownership	63.100	MML1C	
0000			. 26-1611591	3956836			Fallon Cornerstone One MPD LLC	DE	NIA	C.M. Life Insurance Company	Ownership	6.200	MMLIC	
			120 1011001				Tarron cornerations one im b LEC			Massachusetts Mutual Life Insurance	OWNIOT OF TP		THE TO	
0000			20-3347091				Fan Pier Development LLC	DE	NIA	Company	Ownership	91.000	MMLIC	
0000			20-3347091				Fan Pier Development LLC	DE	NIA	C.M. Life Insurance Company	Ownership	9.000	MMLIC	
							·			Massachusetts Mutual Life İnsurance	·			
0000			46-3880526				Farringdon London Holdings LLC	DE	NIA	Company	Ownership	94.500	MMLIC	
0000			46-3880526				Farringdon London Holdings LLC	DE	NIA	C.M. Life Insurance Company	Ownership	5.500	MMLIC	
										Massachusetts Mutual Life Insurance				
0000			. 46-1586427 .				Gracechurch London Holdings LLC	DE	NI A	Company	Ownership	96.000	MMLIC	
0000			. 46-1586427 .				Gracechurch London Holdings LLC	DE	NIA	C.M. Life Insurance Company	Ownership	4.000	MMLIC	
0000			00.0000040				Harris Bartana J. C. 111	55	A/ A	Massachusetts Mutual Life Insurance	0	45 000	100	
0000			. 20-8298948 . 20-8298948				Hanover Preferred Facility LLC	DE DE	NIA	Company	Ownership		MMLIC	
0000			20-8298948				Hanover Preferred Facility LLC Hanover Preferred Facility LLC	DE	NIA NIA	C.M. Life Insurance Company	Ownership	5.000	MMLIC	
0000							nanover Preferred Facility LLC	I	NIA	Massachusetts Mutual Life Insurance	management		MMLIC	
0000							Infinity SCD Ltd	GBR	NIA	Company	Ownership	4.200	MML1C	
0000							minimity 500 Ltd	nabı	NI A	Massachusetts Mutual Life Insurance	Owner Strip	4.200	WWLTC	
0000			20-4819358				Johnston Groves LLC	DE	NIA	Company	Ownership	57.200	MML1C	
0000			. 20 4010000 .				Compton droves LLO			Massachusetts Mutual Life Insurance	- Owner Sirip		WILL TO	
0000			20-5984759				Metropolitan At Lorton	DE	NIA	Company	Ownership.	93.500	MMLIC	
0000			20-5984759				Metropolitan At Lorton	DE	NIA	C.M. Life Insurance Company	Ownership	6.500	MMLIC	
							•			Massachusetts Mutual Life Insurance	·			
0000			46-3317841				MM Greenhill Office LLC	DE	NIA	Company	Ownership	81.000	MMLIC	
0000			46-3317841				MM Greenhill Office LLC	DE	NIA	C.M. Life Insurance Company	Ownership	19.000	MMLIC	
										Massachusetts Mutual Life Insurance				
0000			46-5347643	-			MMI/Hines Harrison LLC	DE	NIA	Company	Ownership	92.000	MMLIC	
0000			46-5347643				MMI/Hines Harrison LLC	DE	NIA	C.M. Life Insurance Company	Ownership	8.000	MMLIC	
0000			40 4077050				MI W 10: 11 M 1: 1 110	DE		Massachusetts Mutual Life Insurance		00.400	188 10	
0000			. 46-4077059 . 46-4077059				MM Woodfield Martingale LLC	DE DE	NIA	Company	Ownership	80.400	MMLIC	
0000			40-40//059				MM Woodfield Martingale LLC		NIA	C.M. Life Insurance Company	Ownership	19.600	WWLIG	
0000			46-0808569				PO Parsippany Office Portfolio LLC	DE	NIA	Company	. Ownership	95.000	MMLIC	
0000			46-0808569				PO Parsippany Office Portfolio LLC	DE	NIA	C.M. Life Insurance Company	Ownership	5.000	MMLIC	
000			. 10 0000003 .				10 Tal Sippally Office Fortionic LLC			Massachusetts Mutual Life Insurance	Viii VI VIII P		L13	
0000			46-5460309	l			Red Lake Ventures LLC	DE	NIA	Company	Ownership	31.500	MMLIC	
			1							Massachusetts Mutual Life Insurance				
0000			30-0713071				Riva Portland LLC	DE	NIA	Company	Ownership	100.000	MMLIC	
		1								Massachusetts Mutual Life Insurance				
0000			27-2977720				Sawgrass Village Shopping Center LLC	DE	NIA	Company	Ownership	84.200	MMLIC	
0000			27-2977720				Sawgrass Village Shopping Center LLC .	DE	NIA	C.M. Life Insurance Company	Ownership	15.800	MMLIC	
										Massachusetts Mutual Life Insurance				
0000		ļ	. 46-0606690 .	· · · · · · · · · · · · · · · · · · ·			Turnpike Executive Park LLC	DE	NIA	Company	Ownership	100.000		
0000			05 0404550				Total Tollibora U.O.		A/ A	Massachusetts Mutual Life Insurance	0	04 000	100	
0000			. 35-2484550 . . 35-2484550 .				Twenty Two Liberty LLC	MA	NIA	Company	Ownership	91.000	MMLIC	
0000			. 33-2484550 .				Twenty Two Liberty LLC		NIA	C.M. Life Insurance Company	Ownership	9.000	MMLIC	
0000		1	45-4606547				UK LIW Manager LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	1.000	MMLIC	
0000			_ +5-400004/ .				UN LIN Manager LLU		NI M	Massachusetts Mutual Life Insurance	Omited 2011h	1.000	WINL IV	
0000			45-4606547				UK LIW Member LLC	DF	NIA	Company	Ownership	100.000	MMLIC	
0000			. +0-4000047 .				OIV FILL MICHINGLE FFO	UE	NIN	Oumpany	UIIII 0111 P	. 100.000	WIMIL I V	

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						Exchange		Domi-	ship		Management,	ship		
_		NAIC	Federal			if Publicly Traded	Names of	ciliary	_ to		Attorney-in-Fact,	Provide		
Group	<u> </u>	Company	. ID	Federal		(U.S. or	Parent, Subsidiaries	Loca-	Reporting	Directly Controlled by	Influence,	Percen-	Ultimate Controlling	*
Code	Group Name	Code	Number	RSSD	CIK	International)	Or Affiliates	tion	Entity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	*
										Massachusetts Mutual Life Insurance				
0000			45-5401109 .				Washington Gateway Apartments Venture LLC	DE	NI A	Company	Ownership	90.400	MMLIC	
0000			. 45–5401109 .				Washington Gateway Apartments Venture LLC .	DE	NIA	C.M. Life Insurance Company	Ownership	4.800	MMLIC	
0000			00 0070405				W. t. of and Donald month Association	DE	ALL A	Massachusetts Mutual Life Insurance	0	00.000	MMLIC	
0000			. 20-2970495 .				Waterford Development Associates	DE	NIA	Company	Ownership	90.000	MMLIC	
0000			46-3122029				WeHo Domain LLC	DE	NIA	Massachusetts Mutual Life Insurance	Ownership	86.000	MMLIC	
0000			46-3122029				WeHo Domain LLC	DE	NIA	Company	Ownership		MMLIC	
0000			. 70-3122029 .		-		IIGIO DOIIIA (II LLO	UE	NI /\	Massachusetts Mutual Life Insurance	Onliet 2011b	14.000	INMILIO	
0000			26-2384708				Wesley Chapel Theaters LLC	DE	NIA	Company	Ownership	90.000	MMLIC	
0000			26-2384708		-		Wesley Chapel Theaters LLC	DE	NIA	C.M. Life Insurance Company	Ownership	10.000	MMLIC	
0000			. 20-2004/00 .		-		mestey unaper ineaters LLU	UE	N I M	Massachusetts Mutual Life Insurance	omilial 2011h		. IVIVIL I U	
0000			. 20-5481477 .				Ygnatio Valley Funding	DE	NIA	Company	Ownership.	90.000	MMLIC	
0000			. 20-0401411 .		-		MassMutual Barings Dynamic Allocation Fund	UE	NIA	Massachusetts Mutual Life Insurance	omici ani p	000.00	LIV	
0000			45-3168892			00	masswatuar barrings bynamic Arrocation runu	MA	NIA	Company	Ownership	53.700	MMLIC	
0000			- 40 0 100002			OQ		W/\		Massachusetts Mutual Life Insurance	Office 3111p		WILL TO	
0000			04-3212054		0000927972	00	MassMutual Premier Balanced Fund	MA	NIA	Company	Ownership	4.200	MMLIC	
			. 01 02 12001 .		. 0000021012	ou	macomataat fromfor baranooa fana			Massachusetts Mutual Life Insurance	Owner on p			
0000			. 04-3277549 .		. 0000927972	00	MassMutual Premier Core Bond Fund	MA	NI A	Company	Ownership	2.000	MMLIC	
0000			04 02//040 .		. 00000521012	OQ	massimutuar Fremrer oore bond rund			Massachusetts Mutual Life Insurance	- Owner Sirip	2.000	WILL TO	
0000			. 04-3539083 .		. 0000927972	00	MassMutual Premier Disciplined Value Fund	MA	NIA	Company	Ownership	0.200	MMLIC	
						O4	MassMutual Premier Disciplined Growth Fund			Massachusetts Mutual Life Insurance			in Livering and the contract of the contract o	
0000			04-3539084		. 0000927972	00		MA	NIA	Company	Ownership	0.200	MMLIC	
										Massachusetts Mutual Life Insurance	-			
0000			04-3464165		0000927972	0Q	MassMutual Premier Diversified Bond Fund	MA	NIA	Company	Ownership	100.000	MMLIC	
							MassMutual Premier Focused International			Massachusetts Mutual Life Insurance	·			
0000			. 02-0754273 .		. 0000927972	00	Fund	MA	NIA	Company	Ownership	100.000	.MMLIC	
										Massachusetts Mutual Life Insurance	·			
0000			. 51-0529334 .		. 0000927972	OQ	MassMutual Premier Global Fund	MA	NIA	Company	Ownership	100.000	MMLIC	
										Massachusetts Mutual Life Insurance				
0000			. 04-3520009 .		. 0000927972	00	MassMutual Premier High Yield Fund	MA	NIA	Company	Ownership	15.500	MMLIC	
							MassMutual Premier Inflation-Protected and			Massachusetts Mutual Life Insurance				
0000			03-0532475 .		. 0000927972	00	Income Fund	MA	NIA	Company	Ownership	9.900	MMLIC	
l							MassMutual Premier International Equity	l		Massachusetts Mutual Life Insurance				
0000			. 04-3212044 .		. 0000927972	0Q	Fund	MA	NI A	Company	Ownership	3.400	MMLIC	
						l.,		l		Massachusetts Mutual Life Insurance				
0000			. 51-0529328 .		. 0000927972	0Q	MassMutual Premier Main Street Fund	MA	NI A	Company	Ownership	73.700	. MMLIC	
0000			04 0040055		0000007070	00	MassMutual Premier Short-Duration Bond		NI A	Massachusetts Mutual Life Insurance	0	100 000	188 10	
0000			. 04-3212057 .		. 0000927972	W	Fund	MA	NIA	Company	Ownership	100.000	MMLIC	
0000			04 0004705		0000007070	00	MassMutual Premier Small/Mid Cap		NI A	Massachusetts Mutual Life Insurance	O	10 100	INH IC	
0000			. 04-3224705 .		. 0000927972	UV	Opportunities Fund	MA	NIA	Company	Ownership	. 10.400	MMLIC	
0000			06 2000054		0000007070	00	MassMutual Premier Strategic Emerging	MA	NII A	Massachusetts Mutual Life Insurance	0	64 400	INH IC	
0000			. 26-3229251 .		. 0000927972	UV	Markets Fund	MA	NIA	CompanyMassachusetts Mutual Life Insurance	Ownership	. 61.400	- MML1C	
0000			. 04-3277550 .		. 0000927972	00	MassMutual Premier Value Fund	MA	NIA	Company	Ownership	98.200	.MMLIC	
0000			. 04-32//330 .		. 000092/9/2	UV	MassMutual Select Blackrock Global	NA	N I A	Massachusetts Mutual Life Insurance	Owner Strip		INMILIO	
0000			27-1028263		. 0000916053	00	Allocation Fund	MA	NIA	Company	Ownership	0.100	MMLIC	
0000			. 21-1020203 .			VV	ATTOGATION FUND	M.	NIM	Massachusetts Mutual Life Insurance	Omitet 2111h	.	IVENIL I U	
0000			04-3556992		0000916053	00	MassMutual Select Blue Chip Growth Fund	MA	NIA	Company	Ownership	3.900	MMLIC	
0000			. 04-0000002 .		_ 0000310033	OW	MassMutual Select Diversified	m.		Massachusetts Mutual Life Insurance	Omilior 3/11p			
0000			14-1980900		. 0000916053	00	International Fund	MA	NIA	Company	Ownership	0.700	MMLIC	
0000					. 00000 10000	V4	III tornational Lunu	IW/\	IVI //	- vompally	viiiiGI 3111P	. 0./00	- INTINLE V	

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						Name of Committee			Dalatian		(Ownership,	is		
						Name of Securities Exchange		Domi-	Relation- ship		Board, Management,	Owner- ship		
		NAIC	Federal			if Publicly Traded	Names of	ciliary	to		Attorney-in-Fact,	Provide		
Group		Company	ID	Federal		(U.S. or	Parent, Subsidiaries	Loca-	Reporting	Directly Controlled by	Influence,	Percen-	Ultimate Controlling	
Code	Group Name	Code	Number	RSSD	CIK	International)	Or Affiliates	tion	Entity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	*
										Massachusetts Mutual Life Insurance				
0000			01-0821120 .		0000916053	00	MassMutual Select Diversified Value Fund	MA	NIA	Company	Ownership	0.200	MMLIC	
0000			04 0540500		0000040000	00	November 1 Octob Formed Value Food		ALLA	Massachusetts Mutual Life Insurance	O manuful:	0.400	100	
0000			. 04–3512590 .		0000916053 .	. 00	MassMutual Select Focused Value Fund	MA	NIA	Company	Ownership	3.400	MMLIC	
0000			04-3512593		0000916053	00	MassMutual Select Fundamental Growth Fund	MA	NIA	Company	Ownership	0.300	MMLIC	
							and an area of the control of the co			Massachusetts Mutual Life Insurance				
0000			04-3584138		0000916053	. 00	MassMutual Select Fundamental Value Fund	MA	NIA	Company	Ownership	3.300	MMLIC	
							MassMutual Select Growth Opportunities			Massachusetts Mutual Life Insurance				
0000			04-3512589 .		0000916053	. 00	Fund	MA	NI A	Company	Ownership	1.900	MMLIC	
0000			04-3513019		0000916053	00	Nacethytical Calant Large Car Value Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	O	2.400	MMLIC	
0000			. 04-3513019 .		0000916003.	. 00	MassMutual Select Large Cap Value Fund MassMutual Select Mid Cap Growth Equity II	MA	NIA	Massachusetts Mutual Life Insurance	Ownership	2.400	MWLTC	
0000			04-3512596 .		0000916053	00	Fund	MA	NIA	Company	Ownership.	1.700	MMLIC	
										Massachusetts Mutual Life Insurance				
0000			42-1710935		0000916053	. 00	MassMutual Select Mid-Cap Value Fund	MA	NIA	Company	Ownership	100.000	MMLIC	
							MassMutual Select MSCI EAFE International			Massachusetts Mutual Life Insurance				
0000			45-5357167		0000916053	. 00	Index Fund	MA	NIA	Company	Ownership	1.000	MMLIC	
0000			04-3557000		0000916053	00	MassMutual Select Overseas Fund	MA	NIA	Massachusetts Mutual Life Insurance	O	4.700	MMLIC	
0000			. 04-3557000 .		0000916003		Massmutual Select Overseas Fund	MA	NIA	Company	Ownership	4.700	MMLTC	
0000			27-2377446		0000916053	00	MassMutual Select PIMCO Total Return Fund	MA	NIA	Company	Ownership	.99.900	MMLIC	
							MassMutual Select Russell 2000 Small Cap			Massachusetts Mutual Life Insurance				
0000			45-5366542 .		0000916053	. 00	Index Fund	MA	NIA	Company	Ownership	1.800	MMLIC	
										Massachusetts Mutual Life Insurance				
0000			04-3410047		0000916053	00	MassMutual Select S&P 500 Index Fund	MA	NI A	Company	Ownership	2.400	MMLIC	
0000			04-3464205 .		0000916053	00	MassMutual Select Small Cap Growth Equity	MA	NIA	Company	Ownership	5.000	MLIC	
0000			04 0404200 .		00000 10000 .		MassMutual Select Small Capital Value			Massachusetts Mutual Life Insurance	owner strip		WILLIO	
0000			02-0769954 .		0000916053 .	. OQ	Equity Fund	MA	NIA	Company	Ownership	0.600	MMLIC	
							MassMutual Select Small Company Growth			Massachusetts Mutual Life Insurance				
0000			04-3584141 .		0000916053	00	Fund	MA	NIA	Company	Ownership	1.900	MMLIC	
0000			04 2504440		0000046050	00	MassMutual Select Small Company Value Fund	MA	NI A	Massachusetts Mutual Life Insurance	Ownership	1 000	IMILIC	
0000			. 04–3584140 .		0000916053	. 04		MA	NIA	Company Massachusetts Mutual Life Insurance	Ownership	1.600	MML1C	
0000			45-5349772 .	l	0000916053		MassMutual Select S&P Mid Cap Index Fund	MA	NIA	Company	Ownership	4.100	MMLIC	
							and out the state of the state			Massachusetts Mutual Life Insurance			-	
0000			26-0099965 .		0000916053 .	00	MassMutual Select Strategic Bond Fund	MA	NIA	Company	Ownership	0.500	MMLIC	
			40 40							Massachusetts Mutual Life Insurance				
0000			46-4257056 .		0000067160		MML International Equity Fund	MA	NIA	Company	Ownership	0.100	MMLIC	
0000			03-0532456		0000916053		MassMutual RetireSMART 2010 Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	14 . 400	MMLIC	
0000			. 00 0002400 .		00000 10000	-	massmatuar netricomnili 2010 Funa	m/	IVI7	Massachusetts Mutual Life Insurance	- σπισι οπτρ	17.400		
0000			27-1933828 .		0000916053		MassMutual RetireSMART 2015 Fund	MA	NIA	Company	Ownership	2.200	MMLIC	
										Massachusetts Mutual Life Insurance	,			
0000			. 03-0532467 .		0000916053 .		MassMutual RetireSMART 2020 Fund	MA	NIA	Company	Ownership	2.300	MMLIC	
0000			07 4000775		00000 1005		W W L L D L: 0WFT 5555 5			Massachusetts Mutual Life Insurance		4		
0000			27-1933753		0000916053		MassMutual RetireSMART 2025 Fund	MA	NIA	CompanyMassachusetts Mutual Life Insurance	Ownership	1.300	MMLIC	
0000			03-0532468		0000916053		MassMutual RetireSMART 2030 Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	2.100	MMLIC	
0000		I	00 0002400		. CCOOL COOL	-	ייים איים וויים			_ voiiipatty	viiiti aiiip	د. ۱۷۷		

Name of Securities Name of Securities Name of Securities Name of Securities Secharings If Publicly Traded Control (Convertible, Controlled by	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Name of Securities Name of Securities Exchange Names of Control Common Control Co												Type			
NAC Company Code													Control		
NAIC Code												(Ownership.	is		
NAIC Code							Name of Securities			Relation-		Board.	Owner-		
Group Name									Domi-						
Coop Coop Company Coop Company Coop C			NAIC	Federal				Names of							
Code Group Name Code Number RSSD Cik International) O'x Affiliates tion Entity (Name of Entity/Person) Other) tage Entity(es)/Person(s)	Group				Federal						Directly Controlled by			Liltimate Controlling	
		Group Name				CIK									*
	0000	Group Hamo	0000	ramboi	11002	Oiix	intomational)	Of 7 timated	1011	Linkly		- Carony	iago	Entity (100)/1 eroen(e)	
	0000			27_1033380		0000916053		MassMutual RetireSMART 2035 Fund	МΔ	NΙΔ		Ownership	2 300	MMLIC	
0000 0-052471 000919053 Massalutual RetireSWRT 200 Fund	5000			27 1000000 .		0000010000		massimatual nethicomani 2000 i and				Owner strip.	2.000	- IIIIL10	-
	0000			03_0532471		0000016053		MassMutual RetireSMART 2010 Fund	МΔ	NΙΔ		Ownership	2 900	MMLIC	
Doop 27-1932789	5000			. 00 0002471 .		0000310033		massimutual neth esimani 2040 lunu	INI/\	NI /\		owner strip	2.300	I WILL TO	
26-134532 0000916053 Massilutual RetireSMART 2050 Fund	0000			27-1032760		0000916053		MassMutual RetireSMART 2045 Fund	МΔ	NΙΔ		Ownership	7 600	MMLIC	
0000 0.0001 0.0	0000			21-1302103 .		0000310033		massimutual netifiesimani 2045 fund	IWA	NI /\		owner strip		WWILTO	
MassMutual RetireSMAPT 2055 Fund	0000			26_13/5332		0000016053		MassMutual RetireSMART 2050 Fund	МΔ	NΙΔ		Ownership	4 800	MMLIC	
Description	0000			20 1040002 .		0000310033		massimutual neth edimant 2000 tunu		NI /\		owner strip	4.000		-
MassMutual RetireSMAT Conservative Fund	0000			46_2290207		0000016052		MassMutual PatiroSMAPT 2055 Fund	MA	NIA		Ownership	61 000	MML IC	
0000	0000			40-3203201 .		0000310033		massimutual netilesimani 2000 ruliu	IWA	INI /\		owner strip		WWLTO	-
MassMutual RetireSMART Growth Fund	0000			45_1618155		0000016053		MassMutual RetireSMART Conservative Fund	МΔ	NΙΔ		Ownership	100 000	MMLIC	
0,000	5000			40 1010100 .		0000310033		massmutual nethesman conservative fund		NI /\		owner strip		I WILLO	
0000	0000			45_1618222		0000016053		MassMutual RetireSMART Growth Fund	МΔ	NΙΔ		Ownership	100 000	MMLIC	
0000 03-0532464 0000916053 MassMutual RetiresMART In Retirement Fund MA	0000			40 1010222		0000310033		massimutual netifesimani diswini unu	IWA	NI /\		owner strip		I WWILTO	
D000	0000			03_0532464		0000016053		MassMutual RetireSMART In Retirement Fund	МΔ	NΙΔ		Ownership	0.800	MMLIC	
0000 45-1618262 0000916053 MassMutual RetireSMART Moderate Fund MA NIA Company Ownership 100.000 MMLIC	0000			00 0002404 .		0000310033		masswatuat netti eswatti ili netti ementi tunu	IN/\	NI /\		owner strip			-
MassMutual RetireSMART Moderate Growth Massachusetts Mutual Life Insurance Company Ownership .100.000 .000	0000			45_1619262		0000016052		MassMutual PatiroSMAPT Madarata Fund	MA	NIA		Ownership	100,000	MML IC	
0000 15-168046 0000916053 Fund	5000			. 40 1010202 .		0000310033				INI /\		owner strip		WWL 0	-
Multicary Massachusetts Mutual Life Insurance Multicary Mu	0000			45_1618046		0000016053			МΔ	NΙΔ		Ownership	100 000	MMLIC	
0000 45-3417590 0001530245 Oppenheimer Global High Yield Fund DE NIA OppenheimerFunds, Inc. Ownership 74.700 MLIC						00000 10000									-
Massachusetts Mutual Life Insurance				45_3417500		0001530245							74 700		-
0000 46-1604428 0001562689 0ppenheimer Global Real Estate Fund DE NIA Company 0wnership 50.200 MMLIC	0000			0 0-17000 .		000 1000240		oppositionition of obal fingin fretu fullu	UL	NI /\		omici sirip			
	0000			46-1604429		0001562689		Oppenheimer Global Real Estate Fund	DE	NΙΔ		Ownership	50, 200	IMM IC	
	0000			10020 .		6001002009		oppositionition of obal fleat Latate Fullu	^{DL}			omici 3111p		IIII V	-
	0000			13_3867060		0001005729		Opported in a International Growth Fund	МΔ	NIA		Ownership		IMILIC.	
	0000			. 10-0007000 .		000 1003/20		oppenieriner international drowth Fund	mA	IVI /\		υπισι οπτρ	-	WML10	-
	0000			84_1073463		0001116804		Oppenheimer Main Street Fund	МΔ	NIA		Ownership	1 700	IMM IC	
	0000			. 04 10/3403 .				oppenine men want otteet Fund	MA	INI /\		Office Strip		WML10	-
	0000			22_38/0301		0001163166		Opporte imar Real Estate Fund	МΔ	NIA		Ownership	1 800	IMILIC.	
Over 1 Control 1	0000			. 22 0043031 .		0001100100		oppositionition fiear Estate Fullu	IWA	NI /\	Outputty	omici sirip		. IMML 10	

Asterisk	Explanation
1 Massachusetts Mutual	Life Insurance Company owns 3.70% of the affiliated debt of Jefferies Finance LLC
2 Debt investors own 1	18% and include Connecticut Valley Structured Credit CDO IV, Ltd., Babson CLO Ltd. 2006-II, Babson CLO Ltd. 2007-I, Babson Capital Loan Strategies Fund, L.P., and Sapphire Valley CDO I, Ltd.
3 Debt investors own 2	26% and include Connecticut Valley Structured Credit CDO III, Ltd.I, Babson Capital Loan Strategies Fund, L.P., Babson CLO Ltd. 2006-II, Babson CLO Ltd. 2007-I, and Babson Mid-Market CLO Ltd. 2007-II
4 Debt investors own 1	1% and include Sapphire Valley CDO I, Ltd.
5 Partnership investor	's own 99% and include Babson Credit Strategies Fund, L.P. and Babson Credit Strategies.
6 Fugu Credit Plc owns	s 100% of the Fugu CLO B.V. assets
7 Massachusetts Mutual	Life Insurance Company owns 3.70% of the affiliated debt of Jefferies Finance LLC
8 Debt investors own 1	12% and include Connecticut Valley Structured Credit CDO III, Ltd.1 and Babson Capital Loan Strategies Fund, L.P.
9 Debt investors own 3	36% and include Connecticut Valley Structured Credit CDO III, Ltd.I, Babson Capital Loan Strategies Fund, L.P., Babson CLO Ltd. 2006-II, Babson CLO Ltd. 2007-I, and Babson Mid-Market CLO Ltd. 2007-II
10 Debt investors own 9	% and include Sapphire Valley, Babson Capital Loan Strategies Fund, L.P., Babson CLO Ltd. 2007-1, and Babson Mid-Market CLO Ltd. 2007-11
11 Debt investors own 1	11% and include Connecticut Valley CLO Fund IV, Ltd. and Babson Capital Loan Strategies Fund, L.P.
12 Debt investors own 6	55% and include Connecticut Valley Structured Credit CDO III, Ltd. and Connecticut Valley CLO Fund IV, Ltd.
13 Debt investors own 5	51% and includes only Babson Capital Loan Strategies Fund, L.P.
14 Debt investors own 6	% and include Great Lakes III, L.P. and Babson Capital Loan Strategies Fund, L.P.
15 Debt investors own 6	% and include Great Lakes III, L.P.

SUPPLEMENTAL EXHIBITS AND SCHEDULES INTERROGATORIES

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

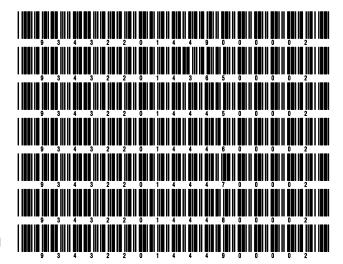
		Response
1.	Will the Trusteed Surplus Statement be filed with the state of domicile and the NAIC with this statement?	NO
2.	Will the Medicare Part D Coverage Supplement be filed with the state of domicile and the NAIC with this statement?	NO
3.	Will the Reasonableness of Assumptions Certification required by Actuarial Guideline XXXV be filed with the state of domicile and electronically with the NAIC?	NO
4.	Will the Reasonableness and Consistency of Assumptions Certification required by Actuarial Guideline XXXV be filed with the state of domicile and electronically with the NAIC?	NO
5.	Will the Reasonableness of Assumptions Certification for Implied Guaranteed Rate Method required by Actuarial Guideline XXXVI be filed with the state of domicile and electronically with the NAIC?	NO
6.		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
	Conference	

Explanation:

- 1. Not required.
- 2. This line of business is not written by the Company.
- 3. Not required.
- Not required.
- 5. Not required.
- 6. Not required.
- 7. Not required.

Bar Code:

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



OVERFLOW PAGE FOR WRITE-INS

Addition	al Write-ins for Liabilities Line 25		
		1	2
		Current	December 31
		Statement Date	Prior Year
2504.	Funds awaiting escheat	1,672,778	1,264,975
2505.	Miscellaneous liabilities	8,086	142,322
2597.	Summary of remaining write-ins for Line 25 from overflow page	1,680,864	1,407,297

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	26,991,662	28,979,851
2.	Cost of acquired:		
	2.1 Actual cost at time of acquisition	5,417,187	
	2.2 Additional investment made after acquisition		364,765
3.	Current year change in encumbrances		921,712
4.	Total gain (loss) on disposals	(1,087,579)	357,975
5.	Deduct amounts received on disposals	1,865,803	2,351,634
6.	Total foreign exchange change in book/adjusted carrying value		
7.	Deduct current year's other than temporary impairment recognized		
8.	Deduct current year's depreciation	533,354	1,281,007
9.	Book/adjusted carrying value at the end of current period (Lines 1+2+3+4-5+6-7-8)	29,225,161	26,991,662
10.	Deduct total nonadmitted amounts		
11.	Statement value at end of current period (Line 9 minus Line 10)	29,225,161	26,991,662

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	861,172,071	772,891,789
2.	Cost of acquired:		
	2.1 Actual cost at time of acquisition	82,478,467	255,320,007
	2.2 Additional investment made after acquisition	4,458,923	6,022,993
3.	2.1 Actual cost at time of acquisition 2.2 Additional investment made after acquisition Capitalized deferred interest and other	120,445	39,946
4.	Accrual of discount	110,990	424 , 144
5.	Unrealized valuation increase (decrease)		
6.	Unrealized valuation increase (decrease) Total gain (loss) on disposals Deduct amounts received on disposals	7,680	333,446
7.	Deduct amounts received on disposals	49, 100, 316	165,047,805
8.	Deduct amortization of premium and mortgage interest points and commitment fees	114,729	1, 195, 101
9.	Total foreign exchange change in book value/recorded investment excluding accrued interest	671,098	(2,871,224)
10.	Deduct current year's other than temporary impairment recognized		4,746,124
11.	Book value/recorded investment excluding accrued interest at end of current period (Lines 1+2+3+4+5+6-7-8+9-10)	899,804,629	
12.	Total valuation allowance		(38,604)
13.	Subtotal (Line 11 plus Line 12)	899,804,629	861, 133, 468
14.	Deduct total nonadmitted amounts		
15.	Statement value at end of current period (Line 13 minus Line 14)	899,804,629	861, 133, 468

SCHEDULE BA - VERIFICATION

Other Long-Term Invested Assets

		1	2
			Prior Year Ended
		Year to Date	December 31
1.	Book/adjusted carrying value, December 31 of prior year	256,538,483	237,897,374
2.	Cost of acquired:		
	2.1 Actual cost at time of acquisition	1,090,441	28,527,709
	2.2 Additional investment made after acquisition	15, 170, 743	52,221,472
3.	Capitalized deferred interest and other		
4.	Accrual of discount		
5.	Unrealized valuation increase (decrease)		
6.	Total gain (loss) on disposals	678,366	
7.	Deduct amounts received on disposals	53,285,362	82,460,814
8.	Deduct amortization of premium and depreciation	4,346	7 , 132
9.	Total foreign exchange change in book/adjusted carrying value	(259,248)	342,668
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)		256,538,483
12.	Deduct total nonadmitted amounts		
13.	Statement value at end of current period (Line 11 minus Line 12)	239,415,485	250,101,519

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	4,925,869,944	4,842,359,067
2.	Cost of bonds and stocks acquired	451,493,618	1,385,261,934
3.	Accrual of discount		
4.	Unrealized valuation increase (decrease)	12,907,029	(3,342,030)
5.	Total gain (loss) on disposals		
6.	Deduct consideration for bonds and stocks disposed of	908,015,758	1,331,761,668
7.	Deduct amortization of premium		
8.	Total foreign exchange change in book/adjusted carrying value	1,272,434	6,556,520
9.	Deduct current year's other than temporary impairment recognized	2,642,187	3,920,690
10.	Book/adjusted carrying value at end of current period (Lines 1+2+3+4+5-6-7+8-9)	4,523,909,727	4,925,869,944
11.	Deduct total nonadmitted amounts		
12.	Statement value at end of current period (Line 10 minus Line 11)	4,523,909,727	4,925,869,944

SCHEDULE D - PART 1B

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

	1	2	3	4	5	6	7	8
	Book/Adjusted		D: '''	N T P A P "	Book/Adjusted	Book/Adjusted	Book/Adjusted	Book/Adjusted
	Carrying Value Beginning	Acquisitions During	Dispositions During	Non-Trading Activity During	Carrying Value End of	Carrying Value End of	Carrying Value End of	Carrying Value December 31
NAIC Designation	of Current Quarter	Current Quarter	Current Quarter	Current Quarter	First Quarter	Second Quarter	Third Quarter	Prior Year
-								
DONDO								
BONDS								
1. NAIC 1 (a)		56,459,803	143, 162, 792	2,999,774	2,158,007,063	2,074,303,848		2,336,726,227
2. NAIC 2 (a)	1,994,501,321	1,405,334,534	1,299,716,406	(8,458,967)	1,994,501,321	2,091,660,482		2, 172, 207, 238
3. NAIC 3 (a)	200,879,165	8,774,783	24,817,695	10,692,005	200,879,165	195,528,258		204,694,935
4. NAIC 4 (a)	180,098,379	20,248,205	20,949,361	4,062,956	180,098,379	183,460,179		178,897,780
5. NAIC 5 (a)	22,413,741	1,510,092	4,531,899	1,456,615	22,413,741	20,848,549		23,747,610
6. NAIC 6 (a)	26,118,196	441,915	2,935,896	(2,962,769)	26,118,196	20,661,446		25,212,951
7. Total Bonds	4,582,017,865	1,492,769,332	1,496,114,049	7,789,614	4,582,017,865	4,586,462,762		4,941,486,741
PREFERRED STOCK								
FREI ERRED STOCK								
	10 000 740	045 000			40,000,740	40 400 054		40.044.740
8. NAIC 1	12,886,746	215,308			12,886,746	13, 102,054		12,611,746
9. NAIC 2	5, 178, 635	266,429	151,403	,	5, 178,635	5,346,115		5, 178, 635
10. NAIC 3	6,204,530	151, 197	125,000	778	6,204,530	6,231,505		6,204,530
11. NAIC 4	2,053,790	149,350	279,868	127,263	2,053,790	2,050,535		1,924,074
12. NAIC 5				9,307	505,325	514,632		518,875
13. NAIC 6	59,988			(953)	59,988	59,035		70,965
14. Total Preferred Stock	26,889,013	782,284	556,271	188,850	26,889,013	27,303,876		26,508,825
15. Total Bonds and Preferred Stock	4,608,906,878	1,493,551,616	1,496,670,320	7,978,463	4,608,906,878	4,613,766,638		4,967,995,566

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

SCHEDULE DA - PART 1

Short-Term Investments

	1	2	3	4	5 Paid for
	Book/Adjusted Carrying Value	Par Value	Actual Cost	Interest Collected Year-to-Date	Accrued Interest Year-to-Date
9199999 Totals	43,941,006	XXX	43,889,258		

SCHEDULE DA - VERIFICATION

Short-Term Investments

		1	2
		Year To Date	Prior Year Ended December 31
1.	Book/adjusted carrying value, December 31 of prior year	80,957,223	48,542,772
2.	Cost of short-term investments acquired	57,385,320	227,784,618
3.	Accrual of discount	95 , 105	425,436
4.	Unrealized valuation increase (decrease)		
5.	Total gain (loss) on disposals	793	6,562
6.	Deduct consideration received on disposals	94,497,435	195,802,165
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)	43,941,006	80,957,223
11.	Deduct total nonadmitted amounts		
12.	Statement value at end of current period (Line 10 minus Line 11)	43,941,006	80,957,223

SCHEDULE DB - PART A - VERIFICATION

Options, Caps, Floors, Collars, Swaps and Forwards

1.	Book/Adjusted Carrying Value, December 31, prior year (Line 9, prior year)	15,413,119
2.	Cost Paid/(Consideration Received) on additions	7,632,980
3.	Unrealized Valuation increase/(decrease)	(7,184,092)
4.	Total gain (loss) on termination recognized	(13,220,683)
5.	Considerations received/(paid) on terminations	1,601,557
6.	Amortization	3,507
7.	Adjustment to the Book/Adjusted Carrying Value of hedged item	
8.	Total foreign exchange change in Book/Adjusted Carrying Value	
9.	Book/Adjusted Carrying Value at End of Current Period (Lines 1+2+3+4-5+6+7+8)	1,043,274
10.	Deduct nonadmitted assets	
11.	Statement value at end of current period (Line 9 minus Line 10)	1,043,274

11.	Statement value at end of current period (Line 9 minus Line 10)				1,043,274
	SCHEDULE DB - PART Futures Cor		RIFICATIO	N	
1.	Book/Adjusted carrying value, December 31 of prior year (Line 6, prior year)				
2.	Cumulative cash change (Section 1, Broker Name/Net Cash Deposits Footnote - Cu	ımulative Cash Cha	nge column)		
3.1	Add:				
	Change in variation margin on open contracts - Highly Effective Hedges				
	3.11 Section 1, Column 15, current year to date minus				
	3.12 Section 1, Column 15, prior year				
	Change in variation margin on open contracts - All Other				
	3.13 Section 1, Column 18, current year to date minus	1,030,951			
	3.14 Section 1, Column 18, prior year	(12,556,033)	13,586,984	13,586,984	
3.2	Add:				
	Change in adjustment to basis of hedged item				
	3.21 Section 1, Column 17, current year to date minus				
	3.22 Section 1, Column 17, prior year				
	Change in amount recognized				
	3.23 Section 1, Column 19, current year to date minus	1,030,951			
	3.24 Section 1, Column 19, prior year	(12,556,033)	13,586,984	13,586,984	
3.3	Subtotal (Line 3.1 minus Line 3.2)				
4.1	Cumulative variation margin on terminated contracts during the year		50,676,320		
4.2	Less:				
	4.21 Amount used to adjust basis of hedged item				
	4.22 Amount recognized	63,232,352	63,232,352		
4.3	Subtotal (Line 4.1 minus Line 4.2)				(12,556,033)
5.	Dispositions gains (losses) on contracts terminated in prior year:				
	5.1 Total gain (loss) recognized for terminations in prior year				12,556,033
	5.2 Total gain (loss) adjusted into the hedged item(s) for terminations in prior year				
6.	Book/Adjusted carrying value at end of current period (Lines 1+2+3.3-4.3-5.1-5.2)				
7.	Deduct total nonadmitted amounts				
8.	Statement value at end of current period (Line 6 minus Line 7)				

SCHEDULE DB - PART C - SECTION 1

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

		Replication (Syr	nthetic Asset) Tra	ensactions	ricplication	on (Oynthict	ic Asset) Tre	Insactions Open as of C	dirent otatemen		of the Ren	ication (Synthetic Asset) Trans	sactions		
1 2 3 4 5						7	8	Derivative Instrument(s) Open Cash Instrument(s) Held							
•	_		'		6	•		9	10	11	12	13	14	15	16
		NAIC Designation or Other	Notional	Book/Adjusted Carrying		Effective	Maturity		Book/Adjusted Carrying				NAIC Designation or Other	Book/Adjusted Carrying	
Number	Description	Description	Amount	Value	Fair Value	Date	Date	Description	Value	Fair Value	CUSIP	Description	Description	Value	Fair Value
												Wachovia Bank Commercial Mortgage Trust/Series 2007-C33 Class A4 REID			
361448A@2	GATX Financial	2	1,650,000	1,764,858	1.937.146	03/22/2010	06/20/2015	Swap/CDS Long	14.858	14.858	92978N-AE-4	Trust/Series 2007-033 Class A4 NEID	1	1,750,000	1,922,288
												ML-CFC Commercial Mortgage			
361448A@2	GATX Financial	2	-	250,000	245,735	03/22/2010	06/20/2015	Swap/CDS Long			55312V-AD-0 .	Trust/Series 2006-4 Class A3 REID .	1	250,000	245,735
												J P Morgan Chase Coml Mtg Sec/Series 2006-CB17 Class A4 REID			
755111D*9	Raytheon Co.	1	1.650.000	1.715.529	1.686.529	03/22/2010	06/20/2015	Swap/CDS Long	15.529	15.529	46630E-AC-4 _	GEC/SELLES 2000-CD1/ CLASS A4 HELD	1	1,700,000	1,671,000
	,											GE Capital Commercial			
												Mortgage/Series 2005-C3 Class A7A			
755111D*9	Raytheon Co.	1	-	200,000	196,588	03/22/2010	06/20/2015	Swap/CDS Long			36828Q-PW-0 .	REID	1	200,000	196,588
												Certs/Series 2007-C9 Class A4 REID			
361448A#0	GATX Financial	2	1,650,000	1,564,858	1,543,174	03/22/2010	06/20/2015	Swap/CDS Long	14,858	14,858	20047R-AE-3 .		1	1,550,000	1,528,316
												Salomon Brothers Mortgage			
361448A#0	GATX Financial	3		296.786	206 547	03/22/2010	06/20/2015	Swap/CDS Long			79549A-GG-8 .	Securities VII Inc./Series 2001-MM Class E8 REID	2		296,547
30 1440A#0		2		230,700	230,347	03/22/2010	00/20/2013	Swap/ CDS Long			79049A-00-0	Bear Stearns Coml Mortgage	2	230,760	230,347
755111D@7	Raytheon Co	1	1,650,000	1,515,776	1,494,791	03/22/2010	06/20/2015	Swap/CDS Long	15,776	15,776	07388V-AE-8 .	Sec/Series 2007-T26 Class A4 REID	1	1,500,000	1,479,015
												Bear Stearns Coml Mortgage			
755111D07	Ravtheon Co.	1		300.000	205 902	03/22/2010	06/20/2015	Swap/CDS Long			07401D-BC-4 .	Sec/Series 2007-PW18 Class A4 REID		300,000	295,803
755111007	naytheon co.			,000,000	230,000	03/22/2010	00/20/2013	Swap/ CDS Long			074010-00-4	Watts Water Technologies			233,003
755111D07	Raytheon Co	1		250,000	274,613	03/22/2010	06/20/2015	Swap/CDS Long			942749-A#-9	Inc./Senior Note	1	250,000	274,613
												Bear Stearns Coml Mortgage			
666807C*1	Northrop Grumman	2	1.650.000	1,565,924	1 5// 2/0	03/22/2010	06/20/2015	Swap/CDS Long	15.924	15 02/	07388Q-AE-9 .	Sec/Series 2007-PW17 Class A4 REID	1	1,550,000	1,528,316
0000070 1	nor throp circuman		1,000,000	1,000,024	1,544,240	00/22/2010	00/20/2013	Swap/ obo Long	10,024	10,024	07000Q AL 3 .	Merrill Lynch Mortgage Trust/Series			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
666807C*1	Northrop Grumman	2		350,000	394,279	03/22/2010	06/20/2015	Swap/CDS Long			59022H-NC-2	2005-LC1 Class A4 REID	1	350,000	394,279
												LB-UBS Commercial Mortgage Trust/Series 2005-C7 Class A4 REID			
6668070@9	Northrop Grumman	2	1.500.000	1,414,476	1 390 593	03/22/2010	06/20/2015	Swap/CDS Long	14.476	14 476	52108M-AF-0 .	Trust/Series 2005-C/ Class A4 HEID	1	1,400,000	1,376,117
				,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	00/ 22/ 20 10	00, 20, 20 10	5/4p/ 555 25/19	,	,,	02100m 7m 0 2	Merrill Lynch Mortgage Trust/Series			, 0. 0, 11.
6668070@9	Northrop Grumman	2	-	350,000	394,279	03/22/2010	06/20/2015	Swap/CDS Long			59022H-NC-2	. 2005-LC1 Class A4 REID	1	350,000	394,279
6668070@9	Northrop Grumman	2		250.000	27/ 612	03/22/2010	06/20/2015	Swap/CDS Long			942749-A#-9	Watts Water Technologies Inc./Senior Note	1	250,000	274,613
000001083	Inor throp druiman	٠		230,000	Z14,013	00/ 22/ 20 10	00/20/2010	onap/ odo Long			374143-NT-8	ML-CFC Commercial Mortgage Trust	1	∠30,000	£14,013
												2007-7/Series 2007-7 Class A4 REID			
755111D#5	Raytheon Co	1	1,500,000	1,314,342	1,292,165	03/22/2010	06/20/2015	Swap/CDS Long	14,342	14,342	55313K-AE-1 .	D 01 0 1 H 1	1	1,300,000	1,277,823
755111D#5	Raytheon Co.	1		453.016	449 004	03/22/2010	06/20/2015	Swap/CDS Long			07387B-AH-6	Bear Stearns Coml Mortgage Sec/Series 2005-PWR9 CI A4A REID	1	453,016	449,994
700111010	may thous out					50, 22, 2010	00/20/2010	Grap/ 650 Long			01001D NII-0 .	Bear Stearns Coml Mortgage	1		, 554
												Sec/Series 2006-PW14 Class AM REID			
009158F#8	Air Products	1	1,500,000	984,747	1,002,565	03/22/2010	06/20/2015	Swap/CDS Long	13,989	13,989	07388P-AG-6 .	TIMA Comment Comment in Mark	1	970,758	988,576
												TIAA Seasoned Commercial Mortgage Trust 2007-C4/Series 2007-C4 Class			
009158F#8	Air Products	1		800,000	878,760	03/22/2010	06/20/2015	Swap/CDS Long			87246A-AE-8 .	AJ REID	1	800,000	878,760
												Banc of America Commercial Mortgage			, ,
418056B*7	Hasbro Inc.	2	700,000	926,574		03/22/2010	06/20/2015	Swap/CDS Long	6, 148		05952A-AE-4 _	Inc./Series 2008-1 Class A4 REID	1	920,426	899,988
9999999 - To	tais			16,266,886	16,498,550	XXX	XXX	XXX	125,900	125,900	XXX	XXX	XXX	16,140,986	16,372,650

SCHEDULE DB - PART C - SECTION 2

Replication (Synthetic Asset) Transactions Open

				ejiiaioae / leest, iia					l .	i i
	First Quarter		Second Quarter		Third Quarter		Fourth Quarter		Year To Date	
	1	2	2	4	E	T e	7	0	9	10
	'		3	T-t-l Dliti	5	Tatal Danii astian	/	O Tatal Danii astian	9	
		Total Replication		Total Replication		Total Replication		Total Replication		Total Replication
	Number	(Synthetic Asset)	Number	(Synthetic Asset)	Number	(Synthetic Asset)	Number	(Synthetic Asset)	Number	(Synthetic Asset)
	of	Transactions	of	Transactions	of	Transactions	of	Transactions	of	Transactions
	Positions	Statement Value	Positions	Statement Value	Positions	Statement Value	Positions	Statement Value	Positions	Statement Value
		10 150 000	•	40, 450, 000						40, 450, 000
Beginning Inventory	9	13,450,000	9	13,450,000					9	13,450,000
O Add Occasion Associated Transcriptions										
Add: Opened or Acquired Transactions										
3. Add: Increases in Replication (Synthetic Asset)										
	XXX		XXX		XXX		XXX		XXX	
Transactions Statement Value	XXX		XXX		XXX		XXX		XXX	
Less: Closed or Disposed of Transactions										
4. Less. Glosed of Disposed of Transactions										
5. Less: Positions Disposed of for Failing Effectiveness										
Criteria										
Onceria										
6. Less: Decreases in Replication (Synthetic Asset)										
Transactions Statement Value	XXX		XXX		XXX		XXX		XXX	
Transactions Statement Value	7000		////		////		////		////	
7. Ending Inventory	9	13,450,000	9	13,450,000					9	13,450,000
	·	,,				1	l .	1	·	7,,

SCHEDULE DB - VERIFICATION

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

		Book/Adjusted Carrying Value Check		
1.	Part A, Section 1, Column 14	1,043,274		
2.	Part B, Section 1, Column 15 plus Part B, Section 1 Footnote - Total Ending Cash Balance			
3.	Total (Line 1 plus Line 2)		1,043,274	
4.	Part D, Section 1, Column 5	399,032,304		
5.	Part D, Section 1, Column 6	(397,989,030)		
6.	Total (Line 3 minus Line 4 minus Line 5)	······		
		Fair Value Che	ck	
7.	Part A, Section 1, Column 16	1,043,274		
8.	Part B, Section 1, Column 13			
9.	Total (Line 7 plus Line 8)		1,043,274	
10.	Part D, Section 1, Column 8	399,032,304		
11.	Part D, Section 1, Column 9	(397,989,030)		
12	Total (Line 9 minus Line 10 minus Line 11)			
		Potential Exposure	Check	
13.	Part A, Section 1, Column 21	177,293,434		
14.	Part B, Section 1, Column 20	12,316,400		
15.	Part D, Section 1, Column 11	189,609,834		
16.	Total (Line 13 plus Line 14 minus Line 15)			

SCHEDULE E - VERIFICATION

(Cash Equivalents)

	, , ,	1	2
		Year To Date	Prior Year Ended December 31
1.	Book/adjusted carrying value, December 31 of prior year	165,417,592	423,794,320
2.	Cost of cash equivalents acquired	1,971,794,291	5,421,751,262
3.	Accrual of discount	204,322	751,207
4.	Unrealized valuation increase (decrease)		
5.	Total gain (loss) on disposals	713	992
6.	Deduct consideration received on disposals	1,876,055,492	5,680,880,188
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)	261,361,426	165,417,592
11.	Deduct total nonadmitted amounts		
12.	Statement value at end of current period (Line 10 minus Line 11)	261,361,426	165,417,592