

LIFE AND ACCIDENT AND HEALTH COMPANIES - ASSOCIATION EDITION

QUARTERLY STATEMENT

AS OF MARCH 31, 2014 OF THE CONDITION AND AFFAIRS OF THE

C.M. Life Insurance Company

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

Organized under the Laws of		Prior)	State of Domicile or Port of I	Entry Connecticut							
Country of Domicile		United States of	America								
Incorporated/Organized	04/25/1980		Commenced Business	05/12/1981							
Statutory Home Office	100 Bright Meadow	Boulevard .	Enfield , CT, US 06082								
<u></u>	(Street and Nu		(City or	Town, State, Country and Zip Code)							
Main Administrative Office		1295 State S	Street								
	Covingfield MA LIC 01111	(Street and N	umber)	412 700 0411							
(City o	Springfield , MA, US 01111 or Town, State, Country and Zip 0	Code)	(A	413-788-8411 urea Code) (Telephone Number)							
, ,		,	,	, , ,							
Mail Address	1295 State Street (Street and Number or P.		(City or	Springfield , MA, US 01111 Town, State, Country and Zip Code)							
	·	,	, ,	Town, State, Southly and Zip Soute							
Primary Location of Books a	nd Records	1295 State									
	Springfield , MA, US 01111	(Street and N	umber)	413-788-8411							
(City o	or Town, State, Country and Zip C	Code)	(A	rea Code) (Telephone Number)							
Internet Website Address		www.massmu	tual.com								
	_										
Statutory Statement Contact		A. Peatman (Name)	,	413-744-6327 (Area Code) (Telephone Number)							
	tpeatman@massmutual.com	(Name)		413-226-4086							
	(E-mail Address)			(FAX Number)							
		OFFICE	RS								
President and Chief		00_									
Executive Officer	Roger Willian		Treasurer	Todd Garett Picken							
Secretary	Christine Caro	le Peaslee	Actuary	Isadore Jermyn							
Chief Fin	Executive Vice President and ancial Officer t Executive Vice President	OTHE Mark Douglas Roellig Exec General Co	utive Vice President and	Michael Robert Fanning Executive Vice President							
weivin Timothy Corbet	Executive vice Fresident										
D W:	0	DIRECTORS OR		M. I. I.T.I. D. III							
	Crandall - Chairman uglas Roellig	Michael Robe	rt Fanning	Michael Thomas Rollings							
State of	Massachusetts	00									
County of	Hampden	SS:									
all of the herein described a statement, together with rela condition and affairs of the s in accordance with the NAIC rules or regulations require respectively. Furthermore, t	ssets were the absolute propertited exhibits, schedules and explaid reporting entity as of the reporting and Statement Instructions adifferences in reporting not rehe scope of this attestation by the	of the said reporting entity, from the said reporting entity, from the period stated above, and and Accounting Practices and I lated to accounting practices e described officers also include	ee and clear from any liens exed or referred to, is a full a of its income and deductions Procedures manual except to and procedures, according tes the related corresponding	orting entity, and that on the reporting period stated above for claims thereon, except as herein stated, and that thi and true statement of all the assets and liabilities and of the therefrom for the period ended, and have been complete to the extent that: (1) state law may differ; or, (2) that state to the best of their information, knowledge and belieg electronic filing with the NAIC, when required, that is a be requested by various regulators in lieu of or in addition							
Roger William President and Chief E		Christine Carole Secreta		Todd Garett Picken Treasurer							
Subscribed and sworn to bef			a. Is this an original filing b. If no, 1. State the amendm 2. Date filed	ent number							

ASSETS

		<u> </u>	Current Statement Date		4
		1	2	3 Net Admitted Assets	December 31 Prior Year Net
	D	Assets	Nonadmitted Assets	(Cols. 1 - 2)	Admitted Assets
	Bonds	4,418,315,368		4,418,315,368	4,695,111,925
	Stocks: 2.1 Preferred stocks	26 000 012		26 000 012	26 500 025
				26,889,013 210,501,839	
	2.2 Common stocks	210,501,639		210,501,839	204,249,194
	Mortgage loans on real estate:	075 660 500		075 660 500	061 100 460
	3.1 First liens			875,663,528	861, 133,468
4	3.2 Other than first liens				
4.	Real estate:				
	4.1 Properties occupied by the company (less \$				
	encumbrances)				
	4.2 Properties held for the production of income (less \$	00 046 040		23,946,342	26 004 662
	·	23,940,342		23,940,342	20,991,002
	4.3 Properties held for sale (less \$				
	encumbrances)				
5.	Cash (\$31,434,384), cash equivalents				
	(\$141,228,590) and short-term				
	investments (\$22,473,907)			195, 136, 882	
6.	Contract loans (including \$ premium notes)	142,445,507	12,643	142,432,864	178,511,352
7.	Derivatives	387, 160,378		387, 160,378	
8.	Other invested assets			239,868,358	
9.	Receivables for securities	123 , 134 , 286		123 , 134 , 286	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)	6,649,047,483	5,998,625	6,643,048,858	6,982,774,951
13.	Title plants less \$ charged off (for Title insurers				
	only)				
14.	Investment income due and accrued	88,221,985	439,814	87,782,171	93,657,432
15.	Premiums and considerations:				
	15.1 Uncollected premiums and agents' balances in the course of collection	111,735	183	111,552	513,508
	15.2 Deferred premiums, agents' balances and installments booked but				
	deferred and not yet due (including \$				
	earned but unbilled premiums)	(26,983,668)		(26,983,668)	(26, 145, 083)
	15.3 Accrued retrospective premiums				
16.	Reinsurance:				
	16.1 Amounts recoverable from reinsurers	11, 165, 126		11, 165, 126	5,087,536
	16.2 Funds held by or deposited with reinsured companies				
	16.3 Other amounts receivable under reinsurance contracts	10,191,721		10,191,721	8,706,844
17.	Amounts receivable relating to uninsured plans				
18.1	Current federal and foreign income tax recoverable and interest thereon				
18.2	Net deferred tax asset	164,076,952	115, 121,090	48,955,862	45,445,360
19.	Guaranty funds receivable or on deposit	1,929,739		1,929,739	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	(819)		(819)	56
23.	Receivables from parent, subsidiaries and affiliates	315,210		315,210	319,625
24.	Health care (\$) and other amounts receivable				
25.	Aggregate write-ins for other than invested assets	839,331	770,790	68,541	66,232
26.	Total assets excluding Separate Accounts, Segregated Accounts and	a aaa a			- ::
	Protected Cell Accounts (Lines 12 to 25)	6,898,914,795	122,330,502	6,776,584,293	7,112,362,910
27.	From Separate Accounts, Segregated Accounts and Protected Cell Accounts	1 860 381 504		1,860,381,504	1,871,660,569
28.	Total (Lines 26 and 27)	8,759,296,299	122,330,502	8,636,965,797	8,984,023,479
20.	DETAILS OF WRITE-INS	0,700,200,200	122,000,002	0,000,000,101	0,004,020,470
1101					
1101.					
1102.					
1103.	Common of complete units in fact time 11 from configuration				
	Summary of remaining write-ins for Line 11 from overflow page				L
1199.	Totals (Lines 1101 through 1103 plus 1198)(Line 11 above)	202 22-	200 277		22 22-
	Miscellaneous		,	68,541	•
	Commissions and expenses on long term lease				
2503.	Cash advanced to agents	22,821	22,821		
2598.	Summary of remaining write-ins for Line 25 from overflow page				
2599.	Totals (Lines 2501 through 2503 plus 2598)(Line 25 above)	839,331	770,790	68,541	66,232

LIABILITIES, SURPLUS AND OTHER FUNDS

_	LIADILITIES, SUNPLUS AND OTHER FU	1100	•
		1 Current	2 December 31
		Statement Date	Prior Year
1.	Aggregate reserve for life contracts \$	4 054 400 000	E 0E4 400 700
2	(including \$		
2. 3.	Liability for deposit-type contracts (including \$		
4.	Contract claims:		
	4.1 Life	24,704,997	15,018,646
	4.2 Accident and health		
5.	Policyholders' dividends \$ and coupons \$ due and unpaid		
6.	Provision for policyholders' dividends and coupons payable in following calendar year - estimated amounts:		
	6.1 Dividends apportioned for payment (including \$		
	6.3 Coupons and similar benefits (including \$ Modco)		
7.	Amount provisionally held for deferred dividend policies not included in Line 6		
	Premiums and annuity considerations for life and accident and health contracts received in advance less		
	\$ discount; including \$ accident and health premiums	49 , 127	11,650
9.	Contract liabilities not included elsewhere:		
	9.1 Surrender values on canceled contracts		
	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 \$		
	ceded	337,511	5,308,464
	9.4 Interest Maintenance Reserve	13,045,299	
10.	· · · · · · · · · · · · · · · · · · ·		
	\$ and deposit-type contract funds \$		
11. 12.	Commissions and expense allowances payable on reinsurance assumed		31 111
12. 13.	Transfers to Separate Accounts due or accrued (net) (including \$(8,347,637) accrued for expense		ااا ,الاالا
13.	allowances recognized in reserves, net of reinsured allowances)	(9,537.147)	(9,031.777)
14.	Taxes, licenses and fees due or accrued, excluding federal income taxes	2,316,567	2,340,143
15.1	Current federal and foreign income taxes, including \$	17,935,752	25,783,878
	Net deferred tax liability		
16.	Unearned investment income	17,670	12,264
17. 18.	Amounts withheld or retained by company as agent or trustee		
19.	Remittances and items not allocated agents credit balances		
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.	Borrowed money \$and interest thereon \$		
23.	Dividends to stockholders declared and unpaid		
24.	Miscellaneous liabilities:	74 000 004	67 001 501
	24.01 Asset valuation reserve		
	24.03 Funds held under reinsurance treaties with unauthorized and certified (\$		
	24.04 Payable to parent, subsidiaries and affiliates		
	24.05 Drafts outstanding		
	24.06 Liability for amounts held under uninsured plans		
	24.07 Funds held under coinsurance		
	24.08 Derivatives		
	24.09 Payable for securities		
	24.11 Capital notes \$		
25.	Aggregate write-ins for liabilities		370,174,525
26.	Total liabilities excluding Separate Accounts business (Lines 1 to 25)	5,665,990,139	6,041,158,715
27.	From Separate Accounts Statement		1,871,660,569
28.	Total liabilities (Lines 26 and 27)	7,526,371,643	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		
33.	Gross paid in and contributed surplus		
34.	Aggregate write-ins for special surplus funds		
35.	Unassigned funds (surplus)		
36.	Less treasury stock, at cost:		
	36.1 shares common (value included in Line 29 \$		
	36.2 shares preferred (value included in Line 30 \$		
37.	Surplus (Total Lines 31+32+33+34+35-36) (including \$ in Separate Accounts Statement)		1,068,704,195
38. 39.	Totals of Lines 29, 30 and 37	1,110,594,154 8,636,965,797	1,071,204,195 8,984,023,479
J3.	DETAILS OF WRITE-INS	0,000,000,101	0,007,020,473
2501.	Repurchase agreements and interest expense	242,268,877	186,398,309
2502.	Derivative interest expense		68,065,555
2503.	Derivative collateral		114,303,364
2598.	Summary of remaining write-ins for Line 25 from overflow page		
2599.	Totals (Lines 2501 through 2503 plus 2598)(Line 25 above)	379,790,400	370,174,525
3101. 3102.			
3102.			
3198.	Summary of remaining write-ins for Line 31 from overflow page		
3199.	Totals (Lines 3101 through 3103 plus 3198)(Line 31 above)		
3401.			
3402.			
3403.			
3498.	Summary of remaining write-ins for Line 34 from overflow page		
3499.	Totals (Lines 3401 through 3403 plus 3498)(Line 34 above)		

SUMMARY OF OPERATIONS

		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	85,778,457	91,720,867	355,588,737
2.	Considerations for supplementary contracts with life contingencies	466,071	157,915	620,257
3.		72,256,042	82,680,930	342,249,277
4.	Amortization of Interest Maintenance Reserve (IMR)	8,862,771	1,654,468	8,898,183
5.	Separate Accounts net gain from operations excluding unrealized gains or losses			
6.	Commissions and expense allowances on reinsurance ceded	(1,391,556)	4,818,479	18,542,547
7.			(5,498,200)	(21,993,585)
8.	Miscellaneous Income:			
	8.1 Income from fees associated with investment management, administration and contract			
	guarantees from Separate Accounts	10,390,129	10,366,701	41,709,819
	8.2 Charges and fees for deposit-type contracts			
	8.3 Aggregate write-ins for miscellaneous income	555, 154	483,341	2,074,205
9.	Totals (Lines 1 to 8.3)	176,917,068	186,384,501	747,689,440
10.	Death benefits	48.856.079	14,314,656	69,604,100
11.	Matured endowments (excluding guaranteed annual pure endowments)			
12.	Annuity benefits			95,062,313
13.	Disability benefits and benefits under accident and health contracts	117 023	348 361	1,070,289
14.	Coupons, guaranteed annual pure endowments and similar benefits			
15.	Surrender benefits and withdrawals for life contracts			487,083,985
16.	Group conversions			,,
	Group conversions	1 224 560	1 116 010	2,056,090
17.	Interest and adjustments on contract or deposit-type contract funds	1,324,300	1,110,010	
18.	Payments on supplementary contracts with life contingencies		152,364	702,522
	Increase in aggregate reserves for life and accident and health contracts		(4,626,199)	(67,414,323)
20.	Totals (Lines 10 to 19)	176,941,672	150,967,127	588, 164,976
21.	Commissions on premiums, annuity considerations, and deposit-type contract funds (direct	5 740 000	E 05: 10:	00 707 70
	business only)	5,740,206	5,951,193	23,765,594
22.	Commissions and expense allowances on reinsurance assumed			
23.	General insurance expenses			36,358,345
24.	Insurance taxes, licenses and fees, excluding federal income taxes	3,037,993	2,565,998	9,798,398
25.	Increase in loading on deferred and uncollected premiums		(226,988)	92,633
26.	Net transfers to or (from) Separate Accounts net of reinsurance	(28,612,155)	(32,882,278)	(142,285,644)
27.	Aggregate write-ins for deductions		15,248	241,599
28.	Totals (Lines 20 to 27)		135,994,166	516, 135, 901
29.	Net gain from operations before dividends to policyholders and federal income taxes (Line 9 minus	,,,,,	,,	, , , , , , , , , , , , , , , , , , , ,
	Line 28)	(8,993,942)	50,390,335	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)	(8,993,942)	50 390 335	231,553,539
32.	Federal and foreign income taxes incurred (excluding tax on capital gains)		13,612,233	49,881,521
33.	Net gain from operations after dividends to policyholders and federal income taxes and before	(10,022,000)	10,012,200	70,001,021
33.	realized capital gains or (losses) (Line 31 minus Line 32)	6.328.138	36,778,102	181,672,018
34.	Net realized capital gains (losses) (excluding gains (losses) transferred to the IMR) less capital	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
34.	gains tax of \$			
	transferred to the IMP)	(5,084,867)	(8.109)	(11,054,679)
0.5	transferred to the IMR)		() - /	
35.	Net income (Line 33 plus Line 34)	1,243,271	36,769,993	170,617,339
	CAPITAL AND SURPLUS ACCOUNT			
36.	Capital and surplus, December 31, prior year		960,839,247	960,839,247
37.	Net income (Line 35)		36,769,993	170,617,339
38.	Change in net unrealized capital gains (losses) less capital gains tax of \$(2,299,956)	1,582,491	3,454,480	(29,750,638)
39.	Change in net unrealized foreign exchange capital gain (loss)	(577,308)	(3,776,194)	2,980,291
40.	Change in net deferred income tax	(18,951,814)	6,029,573	30,300,183
41.	Change in nonadmitted assets	27.706.938	919.998	(50,448,138)
	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			(2,641,540)
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:			
	50.1 Paid in	ļ		
	50.2 Transferred from surplus (Stock Dividend)			
	50.3 Transferred to surplus			
51.	Surplus adjustment:			
	51.1 Paid in			
	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)		42,326,370	110,364,948
55.	Capital and surplus, as of statement date (Lines 36 + 54)	1,110,594,154	1,003,165,617	1,071,204,195
	DETAILS OF WRITE-INS			<u> </u>
	Administrative fee and other income	,	,	2,074,205
08.398.	Summary of remaining write-ins for Line 8.3 from overflow page			
	Totals (Lines 08.301 through 08.303 plus 08.398) (Line 8.3 above)	555, 154	483,341	2,074,205
		20,015,711	15,248	241,599
		' '	· · · · · · · · · · · · · · · · · · ·	
	Summary of remaining write-ins for Line 27 from overflow page			
	Totals (Lines 2701 through 2703 plus 2798)(Line 27 above)	20,015,711	15,248	241,599
	Other changes in surplus			(6,483,426)
	· ·			
	0			
	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)	34,615,034	(2,820,000)	(6,483,426)

CASH FLOW

		Current Year To Date	Prior Year To Date	Prior Year Ended December 31
	Cash from Operations			
1.	Premiums collected net of reinsurance	87,281,279	92,129,900	359,297,409
2.	Net investment income	83,754,029	90 , 274 , 580	342,229,704
3.	Miscellaneous income	10,653,377	9,188,200	39,860,337
4.	Total (Lines 1 to 3)	181,688,685	191,592,680	741,387,450
5.	Benefit and loss related payments	208,301,414	169,625,075	658,990,756
6.	Net transfers to Separate Accounts, Segregated Accounts and Protected Cell Accounts	(28, 106, 785)	(32,408,264)	(139 , 656 , 937
7.	Commissions, expenses paid and aggregate write-ins for deductions	38,149,089	22,853,230	74,688,793
8.	Dividends paid to policyholders			
9.	Federal and foreign income taxes paid (recovered) net of \$907,456 tax on capital			
	gains (losses)	2,784,803	(11,526,832)	44,914,060
10.	Total (Lines 5 through 9)	221,128,521	148,543,209	638,936,672
11.	Net cash from operations (Line 4 minus Line 10)	(39,439,836)	43,049,471	102,450,778
	Cash from Investments			
12.	Proceeds from investments sold, matured or repaid:			
	12.1 Bonds	603,337,520	363,377,095	1,318,587,145
	12.2 Stocks		5,972,890	13, 174, 523
	12.3 Mortgage loans	14,074,695	45,982,042	165,047,805
	12.4 Real estate		·	
	12.5 Other invested assets	22,804,333	16,100,283	57,387,488
	12.6 Net gains or (losses) on cash, cash equivalents and short-term investments		(366,652)	
	12.7 Miscellaneous proceeds	12,725,197	(705,568)	(165,697,995
	12.8 Total investment proceeds (Lines 12.1 to 12.7)	654,852,420	430,360,090	1,390,788,088
	Cost of investments acquired (long-term only):			
	13.1 Bonds	290,699,583	428 , 171 , 259	1,369,707,47
	13.2 Stocks		8,251,130	
	13.3 Mortgage loans	*	84,752,833	, ,
	13.4 Real estate			1,286,477
	13.5 Other invested assets	9.606.613	11.288.080	80.749.181
	13.6 Miscellaneous applications	(2,958,339)	(17,480,496)	(19,108,578
	13.7 Total investments acquired (Lines 13.1 to 13.6)	327,945,699	515,059,453	1,709,532,014
	· · ·	(36.881.803)	(2,261,973)	137,543
	Net increase (or decrease) in contract loans and premium notes	, , , , , ,		
15.	Net cash from investments (Line 12.8 minus Line 13.7 and Line 14)	363,788,524	(82,437,390)	(318,881,469
	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		(7,249,804)	(5,619,804
	16.5 Dividends to stockholders 16.6 Other cash provided (applied)	(343,495,153)	(52,516,252)	(67,717,202
	Net cash from financing and miscellaneous sources (Line 16.1 through Line 16.4 minus Line 16.5			
	plus Line 16.6)	(343,882,044)	(59,766,056)	(73,337,006
	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)	(19,533,356)	(99, 153, 975)	(289,767,697
19.	Cash, cash equivalents and short-term investments:			
	19.1 Beginning of year	214,670,238	504,437,935	504,437,935
	19.2 End of period (Line 18 plus Line 19.1)	195,136,882	405,283,960	214,670,238
	oplemental disclosures of cash flow information for non-cash transactions:			
	1. Policyholders' reserves transferred for reinsurance agreement			
0.000	3. Policy loans transferred for reinsurance agreement	37,505,862		
	4. Other invested assets transferred for reinsurance agreement		10,332,411	39,414,44
0.000	6. Other liabilities transferred for reinsurance agreement	2,621,318		
	7. Bank loan rollovers		80,023,448 10,870	207,821,704
20.000	9. Dividend reinvestment	55,135		58,94
	O. Net investment income payment in-kind bonds		219,738	452,57

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

-	Note: Supplemental disclosures of cash now information for non-cash transactions.		
ĺ	20.0011. Bond conversions to other invested assets		27,863,684
	20.0012. Mortgages converted to other invested assets	 	8,207,028
	20.0013. Stock conversion		2,011,712
	20.0014. Other invested assets stock distributions		1,443
			·

EXHIBIT 1

DIRECT PREMIUMS AND DEPOSIT-TYPE CONTRACTS

	DIRECT PREMIUMS AND DEPOSIT-TYPE C	ONTRACTS	2	3
		Current Year	∠ Prior Year	Prior Year Ended
		To Date	To Date	December 31
		10 Bato	10 Bato	Boocinibol of
	1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
1.	Industrial life			
2.	Ordinary life insurance	57,835,685	59,900,161	236,035,834
3.	Ordinary individual annuities	64 654 782	67 921 508	269 140 278
-				
	Credit life (every and individual)			
4.	Credit life (group and individual)			
			(0.000)	
5.	Group life insurance	27,320	(3,009)	1,334,364
6.	Group annuities			
7.	A & H - group			
	3 - 1			
8.	A & H - credit (group and individual)			
0.	A & TT - Great (group and individual)			
	A O LL			
9.	A & H - other			
10.	Aggregate of all other lines of business			
11.	Subtotal	122,517,787	127,818,660	506,510,477
12.	Deposit-type contracts			
	7			
13.	Total	122,517,787	127,818,660	506,510,477
13.	Total	122,517,707	121,010,000	300,010,477
	DETAIL O OF MIDITE INO			
	DETAILS OF WRITE-INS			
1001.				
1002.				
1003.				
1000	Summary of remaining write-ins for Line 10 from overflow page			
1098.	outilitiary of remaining write-ins for Line to nonitovernow page			
4000	T.			
1099.	Totals (Lines 1001 through 1003 plus 1098)(Line 10 above)			

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Note 1 - Summary of Significant Accounting Policies

- a. C.M. Life Insurance Company (the Company) recognizes statutory accounting practices prescribed or permitted by the State of Connecticut Insurance Department (the Department) for determining and reporting the financial condition and results of operations of an insurance company. The National Association of Insurance Commissioners (NAIC) Accounting Practices and Procedures Manual (NAIC SAP) has been adopted as a component of prescribed or permitted practices by the Department. The Company has adopted certain procedures that differ from NAIC SAP; however, such deviations are not believed to have a material impact on income, statutory surplus or Risk Based Capital.
- 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 three months ended March 31, 2014, the Company did not record any prior year errors. For the three months ended March 31, 2013, the Company recorded a decrease of \$3 million related to premium income (ceded). Certain prior year amounts within these financial statements have been reclassified to conform to the current year presentation.
- b. Adoption of new accounting standards:

In December 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 held by reporting entities. 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 are not expected to have a significant impact on the Company's financial statements.

Note 3 - Business Combinations and Goodwill - 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)	((2) DTTI	(3))
		Amortized Cost Basis	Rec	ognized Loss		
		Before	(2a)	(2b)	Fair V	alue
		OTTI	Interest	Non-interest	1-(2a-	
			(In N	Millions)	,	
OTT	ΓI recognized in the first quarter					
a.	Intent to sell	\$ -	\$ -	\$ -	\$	-
b.	Inability or lack of intent to retain the investment					
	in the security for a period of time sufficient to recover the amortized cost basis	11	_	2		9
C.	Total first quarter	\$ 11	\$ -	\$ 2	\$	9
٠.	. State mot quality	*	*	<u> </u>	*	<u> </u>
OTT	I recognized in the second quarter					
d.	Intent to sell	\$ -	\$ -	\$ -	\$	-
e.	Inability or lack of intent to retain the investment					
	in the security for a period of time sufficient to recover the amortized cost basis					
f.	Total second quarter	\$ -	\$ -	\$ -	\$	<u> </u>
١.	Total second quarter	Ψ -	Ψ -	Ψ -	Ψ	<u> </u>
OTT	I recognized in the third quarter					
g.	Intent to sell	\$ -	\$ -	\$ -	\$	_
h.	Inability or lack of intent to retain the investment		·	·	·	
	in the security for a period of time sufficient to					
	recover the amortized cost basis		. <u>-</u>	<u> </u>		
i.	Total third quarter	<u> </u>	\$ -	\$ -	\$	
	I recognized in the fourth quarter	•	•	•	•	
j. k.	Intent to sell Inability or lack of intent to retain the investment	\$ -	\$ -	\$ -	\$	-
κ.	in the security for a period of time sufficient to					
	recover the amortized cost basis	_	-	-		_
I.	Total fourth quarter	\$ -	\$ -	\$ -	\$	
m.	Annual Aggregate Total		\$ -	\$ 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 March 31, 2014, the gross unrealized losses and fair values for investments in structured and loan-backed securities for which an OTTI has not been recognized in earnings follow (in millions):
 - a. The aggregate amount of unrealized losses:

 1. Less than 12 months
 \$ (5)

 2. 12 months or longer
 \$ (3)

b. The aggregate related fair value of securities with unrealized losses:

 1. Less than 12 months
 \$ 208

 2. 12 months or longer
 \$ 72

- (5) No significant changes
- e. Repurchase agreements No significant changes
- f. Real estate No significant changes
- g. Low income housing tax credit properties No significant changes $% \left(\frac{1}{2}\right) =0$
- h. Restricted assets No significant changes
- i. 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 funds 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

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

- Transfers of receivables reported as sales No significant changes
- Transfer and servicing of financial assets: b.
 - The Company did not participate in securities lending as of March 31, 2014 or December 31, 2013. (1)
 - (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.
 - The Company did not have interests that continue to be held by a transferor in securitized financial (4) 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

Wash sales:

- In the course of the Company's investment management activities, securities may be sold and (1) reacquired within 30 days of the sale date.
- The Company did not sell any securities with the NAIC Designation 3 or below through the first quarter (2) ended March 31, 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
 - The following presents the Company's fair value hierarchy for assets and liabilities that are carried at fair

	March 31, 2014 Level 1 Level 2 Level 3 Total													
	Le		Total											
				(In Mi)									
Financial assets:														
Bonds:														
Industrial and miscellaneous	\$	-	\$	2	\$	1	\$	3						
Parent, subsidiaries and affiliates		-		12		-		12						
Preferred stocks		1		-		-		1						
Common stock - unaffiliated		-		-		2		2						
Common stock - affiliated		6		-		-		6						
Separate account assets		1,860		-		-		1,860						
Derivatives:														
Interest rate swaps		-		356		-		356						
Options		-		30		-		30						
Currency swaps		_		1		_		1						
Forward contracts		-		-		-		-						
Credit default swaps		-		1		-		1						
Total financial assets carried														
at fair value	\$	1,867	\$	402	\$	3	\$	2,272						
Financial liabilities:														
Repurchase agreements	\$	-	\$	242	\$	-	\$	242						
Derivatives:														
Interest rate swaps		-		377		-		377						
Currency swaps		-		11		-		11						
Forward contracts		-		-		-		-						
Credit default swaps		-		1		-		1						
Total financial liabilities carried	æ		¢.	621	ď		Φ	621						
at fair value	D		\$	631	\$	-	\$	631						

For the three months ended March 31, 2014 there were no significant transfers between Level 1 and Level 2.

	December 31, 2013												
	Level 1 Level 2 Level 3 T												
				(In Mi	llions)								
Financial assets:													
Bonds:													
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:

	Baland	ce																В	alance	:
	as of	as of			as of			s of Transfers ⁽¹⁾ Losses in Gains in											as of	
	01/01/2	01/01/2014			Οι	ıt	Net Inc	ome	Surplus		Purcha	ises	Issuan	ces	Sales	Settlen	nents	03/	/31/201	14
									(Ir	n Mi	illions)									
Financial assets:																				
Bonds:																				
Industrial and miscellaneous	\$	1	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -	\$	-	5	5	1
Preferred stocks		-		-		-		-		-		-		-	-		-			-
Common stocks - unaffiliated		2		-		-		-		-		-		-	-		-			2
Total financial assets	\$	3	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -	\$	-	\$	5	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.

	Baland	ce					Gair	ıs										Bala	nce
	as of	f	Т	Transfers ⁽¹⁾			(Losse	s) in	Losses in									as	of
	01/01/2	01/01/2013 li		1	Οι	ut Net Income		Surplus	Purchases		Issuances		Sales	Settlements		12/31/2013			
									(In	Millio	ons)								
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
		<u> </u>	<u> </u>	-		-		\./_				-			+ (· /		\ '/_		<u> </u>

⁽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:

					1	March 3	31, 2	2014				
	_	Aggregate Fair Value		Imitted ssets	Le	vel 1 (In Mi		evel 2	L	evel 3	(C	Not acticable arrying /alue)
Financial assets:						(,				
Bonds:												
U. S. government and agencies	\$	296	\$	273	\$	-	\$	296	\$	1	\$	-
All other governments		2		3		-		2		-		-
States, territories and possessions		85		83		-		85		-		-
Special revenue		94		85		-		94		-		-
Industrial and miscellaneous		3,822		3,641		-		2,371		1,451		-
Parent, subsidiaries and affiliates		359		333		-		151		209		-
Preferred stocks		28		27		13		1		14		-
Common stock - unaffiliated		2		2		-		-		2		-
Common stock - affiliated		6		6		6		-		-		-
Mortgage loans - commercial		694		684		-		-		694		-
Mortgage loans - residential		186		192		-		-		186		-
Cash, cash equivalents and												
short-term investments		195		195		31		164		-		-
Separate account assets		1,860		1,860		1,860		-		-		-
Derivatives:												
Interest rate swaps		356		356		-		356		-		-
Options		30		30		-		30		-		-
Currency swaps		1		1		-		1		-		-
Forward contracts		-		-		-		-		-		-
Credit default swaps		1		1		-		1		-		-
Financial liabilities:												
Repurchase agreements		242		242		-		242		-		-
Individual annuity contracts		3,446		3,332		-		-		3,446		-
Supplementary contracts		46		45		-		-		46		-
Derivatives:												
Interest rate swaps		377		377		-		377		-		-
Currency swaps		11		11		-		11		-		-
Forward contracts		-		-		-		-		-		-
Credit default swaps		1		1		-		1		-		-

December 31, 2013

	Ag	gregate	Ac	Imitted							Not Practicable (Carrying	
	Fai	r Value	A	ssets	L	evel 1	L	evel 2	Level 3		Value)	
						(In M	illior	ns)				
Financial assets:												
Bonds:												
U. S. government and agencies	\$	366	\$	337	\$	-	\$	365	\$	1	\$ -	
All other governments		2		3		-		2		-	-	
States, territories and possessions		97		97		-		97		-	-	
Special revenue		131		120		-		131		-	-	
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		-	-	

For the three months ended March 31, 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
 - 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 along. 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 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
- State transferrable tax credits No significant changes

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

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

							Three M End		S
	March 31, 2014						March 3	1, 201	4
	Ad	ctual	Carrying		F	air			
Alt-A:	Cost		Value		V	alue	OTTI		
		(In Millions)							
a. Residential mortgage-backed securities	\$	64	\$	44	\$	52		\$	-
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	\$	70	\$	48	\$	57		\$	-

				Three Month Ended					
	March 31, 2014						March 31, 2014		
	Actual		Carrying		F	air			
ubprime:		Cost	Valu	Value		alue	OTTI		
	(In			Millior	ns)				
a. Residential mortgage-backed securities	\$	29	\$	23	\$	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	\$	34	\$	25	\$	27	\$		

 $^{^{\}star}$ 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	Year Ende December 2013					
	Ac	tual	Carry	ing	F	air		
Alt-A:	Cost		Value		Value		OTTI	
	(In Milli)		
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	\$	

	December 31, 2013						Year Ende December 3 2013	
	Ac	ctual	Carrying			Fair		
Subprime:	C	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
- h. 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:

						March	31,	, 2014				
					G	Gross						
			Due &		An	nounts			Co	llateral		Net
		Gross	Accrue	d	Offset Ne			Net	Р	osted	Α	mount
	_					(In I	Millio	ons)				
Derivative assets	\$	388		38	\$	(469)	\$	(43)	\$	(104)	\$	(147)
Derivative liabilities		389		77		(469)		(3)		(161)		(164)
Net	\$	(1)	\$ (3	39)	\$	-	\$	(40)	\$	57	\$	17
			December 31,					31, 2013				
					G	Gross						
			Due &		An	nounts			Co	llateral		Net
		Gross	Accrue	d	C)ffset		Net	Ρ	osted	Α	mount
				(In Millions)								
Derivative assets	\$	419	•	11	\$	(231)	\$	229	\$	(133)	\$	96
Derivative liabilities		404		86		(231)		241		(146)		95
Net	\$	15	\$ (2	27)	\$	-	\$	(12)	\$	13	\$	1

Note 22 - Events Subsequent

The Company has evaluated subsequent events through May 7, 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
- $\underline{\textbf{Note 26 Intercompany Pooling Arrangements}} \text{ No significant changes}$
- 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
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)		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)			\$ (43,911,590.98)		

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	-	154,503.00	154,385.46	(117.54)	154,385.46	147,227.23
36290PAK3	499,666.34	-	499,666.34	1	(499,666.34)	-	481,043.92
59024UAB7	61,813.86	-	61,813.86	59,139.93	(2,673.93)	59,139.93	59,862.55
61750MAB1	1,924.37	-	1,924.37	1,743.84	(180.53)	1,743.84	1,660.15
65106FAG7	4,199.59	-	4,199.59	4,103.57	(96.02)	4,103.57	5,477.40
77277LAF4	3,924,425.95	-	3,924,425.95	3,358,617.01	(565,808.94)	3,358,617.01	4,460,750.80
77277LAH0	195,500.98	-	195,500.98	167,925.80	(27,575.18)	167,925.80	429,686.40
77277LAJ6	2,768,562.09	-	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	Did the reporting entity experience any material transactions requirin Domicile, as required by the Model Act?	of	Yes [] No [X]			
1.2	If yes, has the report been filed with the domiciliary state?				Yes [] No []	
2.1	Has any change been made during the year of this statement in the 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	Have there been any substantial changes in the organizational chart	since the prior quarter end?			Yes [] No [X]	
3.3	If the response to 3.2 is yes, provide a brief description of those char	nges.					
4.1	Has the reporting entity been a party to a merger or consolidation do	uring the period covered by this statemen	t?		Yes [] No [X]	
4.2	If yes, provide the name of the entity, NAIC Company Code, and state ceased to exist as a result of the merger or consolidation.	te of domicile (use two letter state abbrev	iation) for any entity th	at 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 changer of the second significant changer o	ng third-party administrator(s), managing les regarding the terms of the agreement	general agent(s), atto or principals involved	rney- ? Yes	[] 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			12/3	31/2009	
6.2	State the as of date that the latest financial examination report becardate should be the date of the examined balance sheet and not the				12/3	31/2009	
6.3	State as of what date the latest financial examination report became the reporting entity. This is the release date or completion date of the date).	ne examination report and not the date of	the examination (bala	ince sheet		20/2010	
6.4	By what department or departments? State of Connecticut Insurance Department						
6.5	Have all financial statement adjustments within the latest financial exstatement filed with Departments?				[X] No [] N/A []
6.6	Have all of the recommendations within the latest financial examinat	ion report been complied with?		Yes	[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?] 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 locating regulatory services agency [i.e. the Federal Reserve Board (FRB), Insurance Corporation (FDIC) and the Securities Exchange Committee (FRB), Insurance Corporation (FDIC) and the Securities Exchange Committee (FRB), Insurance Corporation (FDIC) and the Securities Exchange Committee (FRB), Insurance (FRB), Insu	the Office of the Comptroller of the Currer	ncy (OCC), the Federa	al Deposit			
	1 Affiliate Name	2 Location (City, State)	3 FRB		5 6 DIC SEC		
	The MassMutual Trust Company, FSB	Enfield, CT		YES			
	MML Distributors, LLC	Springfield, MASpringfield, MA			YES		
	OppenheimerFunds Distributor, Inc.				\/ F 0		
	Babson Capital Securities, LLC	Boston, MA			VEO		
	MMLISI Financial Alliances, LLC	Springfield, MA					
	Baring Asset Management (Asia) Limited	Hong Kong			YES		
	Baring International Investment Limited	London, UK Springfield, MA		l l	YES YES		
	INNIE STRATEGIC DISTIBUTORS, LLC	opinignera, wa			159		

GENERAL INTERROGATORIES

9.1	Are the senior officers (principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions) of the reporting entity subject to a code of ethics, which includes the following standards? (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. If the response to 9.1 is No, please explain:	Yes [X] No []
9.2	Has the code of ethics for senior managers been amended?	V [] N- [V]
9.21	If the response to 9.2 is Yes, provide information related to amendment(s).	Yes [] No [X]
9.3 9.31	Have any provisions of the code of ethics been waived for any of the specified officers? If the response to 9.3 is Yes, provide the nature of any waiver(s).	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	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:	97 206 784
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:	100 [X] 110 []
	1 Prior Year-End Book/Adjusted Carrying Value Bonds	2 Current Quarter Book/Adjusted Carrying Value
		\$333,461,304
	Preferred Stock \$ Common Stock \$ 196,021,269	\$201,734,577
	Short-Term Investments \$	\$201,734,377
	Mortgage Loans on Real Estate\$	Φ \$
	All Other\$146,066,803	\$147,087,455
	Total Investment in Parent, Subsidiaries and Affiliates (Subtotal Lines 14.21 to 14.26)	\$682.283.336
	Total Investment in Parent included in Lines 14.21 to 14.26 above\$	\$
15.1 15.2	Has the reporting entity entered into any hedging transactions reported on Schedule DB?	Yes [X] No [] Yes [X] No []
	If no, attach a description with this statement.	

GENERAL INTERROGATORIES

16.	For the reporting entity's security le	nding program, state the amount of the	e rollowing as	or the current st	atement date:			
	16.1 Total fair valu	e of reinvested collateral assets report	ted on Sched	ule DL, Parts 1 a	nd 2	\$		
	16.2 Total book ac	ljusted/carrying value of reinvested col	lateral assets	reported on Sch	edule DL, Parts 1 and 2	\$		
	10.0 10.0 10.0	Tot coodinates for all groups to a critical				Ψ		
17. 17.1	offices, vaults or safety deposit be custodial agreement with a qualifie Outsourcing of Critical Functions,	xes, were all stocks, bonds and other sed bank or trust company in accordance	securities, ow ce with Section of the NAIC	ned throughout t on 1, III - General Financial Conditi	Examination Considerations, F. on Examiners Handbook?		Yes [X] No []
17.1	- an agreements that comply with	The requirements of the NAIO I mand	iai condition	LXAIIIIIIEIS HAIIGI	book, complete the following.			
		1			2			
		Custodian(s)	.		Custodian Address			
	Citibank, N.A.		333 West 34	th Street, New \	/ork, NY 10001			
	JP Chase Manhattan Bank	JP Chase Manhattan Bank						
17.2	For all agreements that do not com location and a complete explanation	ply with the requirements of the NAIC on:	Financial Co	ndition Examiners	s Handbook, provide the name,		\neg	
	Name(s)	Location(s)		C	omplete Explanation(s)			
	· tamo(o)	2000(0)			omproto Expranation(o)			
17.3 17.4	Have there been any changes, inclining the second of the s	hereto:	(s) identified i		current quarter?	Ye	es [] No [X]	J
	1	2		3	4			
	Old Custodian	New Custodian	Dat	e of Change	Reason		_	
17.5		ity to make investments on behalf of the 2 Name(s)	ne reporting e	ntity:	ve access to the investment accounts, 3 Address et, Springfield, MA 01115		_	
	100000	baboon oup rear managomone, LEO		Toos marri sero	or, opinigriora, iiii orrio			
	If no, list exceptions: At 03/31/2014, 24 issues for 17 issu The majority of these issues current	the Purposes and Procedures Manual of ers did not meet the filing requirement by lack one or more of the following: V se exceptions totaled \$905,703 or 0.02	s of the Purp	oses and Proced N, audited financ		\	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	S
	1.12 Residential Mortgages	191,439,462
	1.13 Commercial Mortgages	684,224,066
	1.14 Total Mortgages in Good Standing	875,663,528
	1.2 Long-Term Mortgages In Good Standing with Restructured Terms	
	1.21 Total Mortgages in Good Standing with Restructured Terms	<u> </u>
	1.3 Long-Term Mortgage Loans Upon which Interest is Overdue more than Three Months	
	1.31 Farm Mortgages	S
	1.32 Residential Mortgages	S
	1.33 Commercial Mortgages	S
	1.34 Total Mortgages with Interest Overdue more than Three Months	<u> </u>
	1.4 Long-Term Mortgage Loans in Process of Foreclosure	
	1.41 Farm Mortgages	S
	1.42 Residential Mortgages	S
	1.43 Commercial Mortgages	S
	1.44 Total Mortgages in Process of Foreclosure	S
1.5	Total Mortgage Loans (Lines 1.14 + 1.21 + 1.34 + 1.44) (Page 2, Column 3, Lines 3.1 + 3.2)	875,663,528
1.6	Long-Term Mortgages Foreclosed, Properties Transferred to Real Estate in Current Quarter	
	1.61 Farm Mortgages	S
	1.62 Residential Mortgages	S
	1.63 Commercial Mortgages	S
	1.64 Total Mortgages Foreclosed and Transferred to Real Estate	3
2.	Operating Percentages:	
	2.1 A&H loss percent	%
	2.2 A&H cost containment percent	%
	2.3 A&H expense percent excluding cost containment expenses	%
3.1	Do you act as a custodian for health savings accounts?	Yes [] No [X]
3.2	If yes, please provide the amount of custodial funds held as of the reporting date	S
3.3	Do you act as an administrator for health savings accounts?	Yes [] No [X]

3.4 If yes, please provide the balance of the funds administered as of the reporting date _______\$ ______

SCHEDULE S - CEDED REINSURANCE

Showing All New Reinsurance Treaties - Current Year to Date

1	2	3	4	5	6	7	8	9
								Effective
							Certified	Date of
NAIC					Type of		Reinsurer	Certified
Company	ID	Effective		Domiciliary	Reinsurance		Rating	Reinsurer
NAIC Company 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		Authorized		

SCHEDULE T - PREMIUMS AND ANNUITY CONSIDERATIONS

Current Year To Date - Allocated by States and Territories

		Currer	nt Year	To Date - Alloca	ated by States a		iness Only		
			1	Life Co	ontracts	4	iness Only 5	6	7
				2	3	Accident and		-	-
						Health Insurance Premiums,			
						Including Policy		Total	
			ctive	Life Insurance	Annuity	Including Policy, Membership	Other	Columns	Deposit-Type
	States, Etc.		status	Premiums	Considerations	and Other Fees	Considerations	2 Through 5	Contracts
1.	AlabamaA		<u>L</u>	546,857	408,269			955, 126	<u> </u>
2.	Alaska A		L	11,932	2,100			14,032	
3.	Arizona A		L	756,746	605,772			1,362,518	
4.	Arkansas A California O		<u>L</u>	87,052	80,728 5,691,140			167,780	
5.	Colorado		L	6,743,703 858.120	5,691,140			12,434,843	
6.	Connecticut	_	L	2,147,389	2,035,223			1,655,748 4,182,612	<u> </u>
7. 8.	Delaware		L	179, 123	60,081			4, 162, 612	
9.	District of Columbia		<u>L</u>	583,285	14,735			598,020	
10.	Florida F	_	<u>L</u>	6,951,108	2,715,337			9,666,445	
11.	GeorgiaG		L	1,516,172	479,887			1,996,059	
12.	Hawaii		<u>L</u>	622,394	505, 116			1,127,510	
13.	IdahoII		<u>L</u>	106,221	2,991			109.212	
14.	IllinoisIL		I	1,947,731	2,145,332			4,093,063	
15.	Indiana		L	676.924	429,602			1, 106, 526	
16.	lowa	Α	L	410,956	174,365			585,321	
17.	Kansas K	S	L	423,948	810,302			1,234,250	
18.	Kentucky K	Υ	L	320,024	250,663			570,687	
19.	Louisiana L		L	348 , 138	1,455,819			1,803,957	
20.	Maine N	1E	L	168,928	216,270			385, 198	
21.	Maryland N	1D	L	2,283,964	833,769			3, 117, 733	
22.	Massachusetts N		L	1,461,803	5 , 497 , 123			6,958,926	ļ
23.	Michigan N		L	1, 194, 418	5 , 159 , 325			6,353,743	
24.	Minnesota N		L	1,244,620	2,060,521			3,305,141	
25.	Mississippi N		L	565,094	45 , 164			610,258	
26.	Missouri N		L	716,571	3, 196, 452			3,913,023	
27.	Montana		<u>L</u>	156,004	289,566	 		445,570	
28.	Nebraska N		<u>L</u>	623,665	980,685			1,604,350	
29.	Nevada		<u>L</u>	312,989	2,025			315,014	
30.	New Hampshire N		<u>L</u>	338,668	799,414			1, 138, 082	
31.	New Jersey		<u>.</u>	2,717,818	3,072,677			5,790,495	
32.	New Mexico		L	102,604	186,341			288,945	
33.	New York		N	1,581,591	720,304			2,301,895	
34.	North Carolina		L	2,061,288	1,001,772			3,063,060	
35. 36.	North Dakota N		L	6, 164 1, 371, 766	2,800,388			6,164	
36.	Oklahoma		L	634, 136	439, 124			4, 172, 154 1, 073, 260	
37.	Oregon		L	353,098	542,543			1,073,260	
39.	Pennsylvania P		L	2,444,738	5. 179. 400			7,624,138	
40.	Rhode Island		L	346,099	1.078.861			1.424.960	
41.	South Carolina S		L	1,093,636	130 , 184			1,223,820	
42.	South Dakota	_	<u>L</u>	18,036	31,787			49,823	
43.		N	<u>L</u>	1.201.162	2.334.028			3,535,190	
44.	Texas T		<u>L</u>	3,598,416	4.090.872			7.689.288	
45.	Utah		I	501.507	1,081,095			1.582.602	
46.	Vermont V		I	152.714	192 , 162			344,876	
47.	VirginiaV		L	2,399,121	1,212,655			3,611,776	
48.	WashingtonV		L	1,013,837	197,333			1,211,170	
49.	West VirginiaV	/V	L	184,565	83,403			267,968	
50.	Wisconsin V		L	541,362	2,422,968			2,964,330	
51.	WyomingV	/Y	L	37,916	30,400			68,316	
52.	American Samoa A	.s	N						
53.	Guam G	iU	N	60				60	
54.	Puerto RicoP	R	L	1,214,077	81,081			1,295,158	
55.	U.S. Virgin Islands V	Ί	N	781				781	
56.	Northern Mariana IslandsN		N						
57.	Canada C		N	4,398				4,398	
58.	Aggregate Other Aliens		XXX	83,644				83,644	
59.	Subtotal	. ,	51	57,969,081	64,654,782	 		122,623,863	
90.	Reporting entity contributions for employee ben		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\						
~1	plans		XXX	·					
91.	Dividends or refunds applied to purchase paid-uadditions and annuities		XXX						
92.	Dividends or refunds applied to shorten endown		^^^	·					[
5∠.	or premium paying period		XXX	L	L	L		L	L
93.	Premium or annuity considerations waived under								
00.	disability or other contract provisions		XXX	338,457				338,457	
94.	Aggregate or other amounts not allocable by St		XXX					, ,	
95.	Totals (Direct Business)		XXX	58,307,538	64,654,782	<u></u>		122,962,320	<u></u>
96.	Plus Reinsurance Assumed		XXX		, , ,			, , , ,	ļ
97	Totals (All Business)		XXX	58,307,538	64,654,782	 		122,962,320	
98.	Less Reinsurance Ceded		XXX	35,681,041				35,681,041	
99.	Totals (All Business) less Reinsurance Ceded		XXX	22,626,497	64,654,782			87,281,279	
	DETAILS OF WRITE-INS								
	Other foreign		XXX	83,644				83,644	
58002.			XXX	ļ	 	ļ		ļ	
			XXX	ļ	}	 		ļ	
58998.	Summary of remaining write-ins for Line 58 from								
	overflow page		XXX					·	
58999.	Totals (Lines 58001 through 58003 plus		VVV	00 041				00.041	
0.40.4	58998)(Line 58 above)		XXX	83,644				83,644	
9401.			XXX						
			XXX XXX						
9403.	Summary of remaining write-ins for Line 94 fron		^^*						
3498.	overflow page		XXX						
9499.	Totals (Lines 9401 through 9403 plus 9498)(Lin								
5 100.	94 above)		XXX						
(L) Licens	sed or Chartered - Licensed Insurance Carrier or			R) Registered - Non	-domiciled RRGs; (Q) Qualified - Qual	fied or Accredited F	Reinsurer; (E) Eligit	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.

	<u>Federal Tax II</u>	NAIC Co Code	State of Domicile
MASSACHUSETTS MUTUAL LIFE INSURANCE COMPANY	04-1590850	65935	Massachusetts
Direct & Indirect Owned Subsidiaries:			
C.M. Life Insurance Company	06-1041383	93432	Connecticut
MML Bay State Life Insurance Company	43-0581430	70416	Connecticut
CML Mezzanine Investor, LLC	06-1041383		Delaware
CML Mezzanine Investor L, LLC	06-1041383		Delaware
CML Mezzanine Investor III, LLC	06-1041383		Delaware
CML Re Finance LLC	06-1041383		Delaware
MML Mezzanine Investor L, LLC	04-1590850		Delaware
Berkshire Way LLC	04-1590850		Delaware
CB-Apts, LLC	04-1590850		Delaware
WP-SC, LLC*	26-4441097		Delaware
MSP-SC, LLC	04-1590850		Delaware
Country Club Office Plaza LLC*	27-1435692		Delaware
Fern Street LLC	37-1732913		Delaware
MassMutual Retirement Services, LLC	04-1590850		Delaware
MML Distributors LLC*	04-3356880		Massachusetts
MML Investment Advisers, LLC	None		Delaware
MML Mezzanine Investor, LLC	04-1590850		Delaware
MML Strategic Distributors, LLC	46-3238013		Delaware
The MassMutual Trust Company, FSB	06-1563535		United States
MMC Equipment Finance LLC	04-1590850		Delaware
MassMutual Asset Finance LLC*	26-0073611		Delaware
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
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
MassMutual Guardian Limited	None		Hong Kong
MassMutual Insurance Consultants Limited	None		Hong Kong

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

	Federal Tax ID	NAIC Co Code	State of Domicile
MassMutual 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
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

^{*}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
Mezzco LLC	04-1590850		Delaware
Mezzoo II LLC	02-0767001		Delaware
Mezzco III LLC	41-2280126		Delaware
Mezzco IV LLC	80-0920285		Delaware
Mezzco Australia LLC	90-0666326		Delaware
Babson Capital Cornerstone Managing Director ASIA LLC	51-0504477		Delaware
Somerset Special Opportunities Management LLC	04-1590850		Delaware
Winterset Management LLC	04-1590850		Delaware
Oppenheimer Acquisition Corp.	84-1149206		Delaware
OppenheimerFunds, Inc.	13-2527171		Colorado
OppenheimerFunds Distributor, Inc.	13-2953455		New York
Oppenheimer Real Asset Management, Inc.	84-1106295		Delaware
OFI 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
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

^{*}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 Asset Management Switzerland Sàrl	None		Switzerland
Baring SICE (Taiwan) Limited	98-0457707		Taiwan ROC
Baring France SAS	98-0497550		France
Baring Fund Managers Limited	98-0457586		United Kingdom
Baring Pension Trustees Limited	98-0457574		United Kingdom
Baring Investment Services Limited	98-0457578		United Kingdom
MassMutual International Holding MSC, Inc.	04-3548444		Massachusetts
First Mercantile Trust Company	62-0951563		Tennessee
HYP Management LLC	04-3324233		Delaware
MML Realty Management Corporation	04-2443240		Massachusetts
WW-Apts, LLC	27-0607263		Delaware
MML Mezzanine Investor II, LLC	04-1590850		Delaware
MML Mezzanine Investor III, LLC	04-1590850		Delaware
MassMutual External Benefits Group LLC	27-3576835		Delaware
MML Re Finance LLC	04-1590850		Delaware
MP-Apts, LLC	04-1590850		Delaware
Other Affiliates:			
580 Walnut Cincinnati LLC	27-4349154		Delaware
C A F I, Inc.	52-2274685		Maryland
Eighth Note, Inc.	None		Delaware
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
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 Babson CLO Ltd. 2006-I	None None		Cayman Islands
Babson CLO Ltd. 2006-1 Babson CLO Ltd. 2006-II	None None		Cayman Islands
Babson CLO Ltd. 2006-11 Babson CLO Ltd. 2007-I			Cayman Islands
	None		Cayman Islands
Babson CLO Ltd. 2011-I	None		Cayman Islands

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

Babson CLO 16d. 2012-1 Babson CLO 16d. 2012-1 Babson CLO 16d. 2012-1 Babson CLO 16d. 2012-1 Babson CLO 16d. 2014-1 Babson Elevation CLO 2014-1 BV Babson Elevation CLO 2014-1 BV Babson Elevation CLO 2014-1 BV Babson Global Fleating Rate Fund		Federal Tax ID	NAIC Co Code	State of Domicile
Babson CI O I Id. 2013-11 None Cayman Islands Babson CI O I Id. 2013-11 Short CI O I Id. 2013-11 Short CI O I Id. 2013-11 Short CI O I Id. 2014-14 Short CI O I I Id. 2014-14 Short CI O I Id. 2014-14 Short CI O I I I I I I I I I I I I I I I I I	Babson CLO Ltd. 2012-I	None		Cavman Islands
Babson CLO 1Ld. 2013-1 None Cayman Islands Babson CLO 1Ld. 2014-1 None Cayman Islands Babson CLO 1Ld. 2014-1 None Cayman Islands Babson Global Floating Rate Fund 46-313952 Missachusetts Babson Global Floating Rate Fund 46-313952 Missachusetts Babson Global Floating Rate Fund None Cayman Islands Babson Mid-Market CLO Ld. 2007-11 None Cayman Islands Benton Street Partners I, L.P. 98-0536233 Cayman Islands Benton Street Partners I, L.P. 98-0536199 Cayman Islands Cent Lake CLO, Ind. None Cayman Islands Connecticut Valley Structured Credit CDO II, Ltd. None Cayman Islands Connecticut Valley Structured Credit CDO III, Ltd. None Cayman Islands Connecticut Valley Structured Credit CDO III, Ltd. None Cayman Islands Duches LCO D. S.A. None Cayman Islands Duches LCO D. S.A. None United Kingdom Duches SI VCLO S.A. None United Kingdom Duches SI VCLO S.A. None United Ki				
Babson CLO LID. 2014-11 None Cayman Islands Babson CLO LID. 2014-12 None Netherlands Babson Global Income Opportunities Credit Fund 46-313952 Massachusetts Babson Global Income Opportunities Credit Fund None Cayman Islands Babson Mich Arthet CLO Lid. 2007-11 None Cayman Islands Benton Streed Partners I, L.P.* 98-0536233 Cayman Islands Benton Streed Partners II, L.P. 98-0536233 Cayman Islands Clear Lake CLO, Lid. None Cayman Islands Connecticut Valley Structured Credit CDO II, Lid. None Cayman Islands Connecticut Valley Structured Credit CDO III, Lid. None Cayman Islands Connecticut Valley Structured Credit CDO III, Lid. None Cayman Islands Connecticut Valley Structured Credit CDO III, Lid. None Cayman Islands Duchess II CDO S.A. None Cayman Islands Duchess II CDO S.A. None United Kingdom Duchess IV CDO S.A. None United Kingdom Duchess V CDO S.A. None United Kingdom Duchess VI CLO B.V.				2
Babson CLO Lid. 2014-1 None Cayman Islands None Netherlands Babson Euror CLO 2014-1 BV None Netherlands Babson Global Floating Rate Fund 46-3133952 Massachusetts Babson Global Income Opportunities Credit Fund 46-3119764 Massachusetts Babson Global Income Opportunities Credit Fund 46-3119764 Massachusetts Babson Global Income Opportunities Credit Fund 80-8036233 Cayman Islands Cayman Islands Renton Street Partners I, I, P.* 98-0356233 Cayman Islands Cayman Islands Renton Street Partners I, I, P.* None Cayman Islands Cayman Islands Carl Late CLO, Lid. None Cayman Islands Connecticut Valley Structured Credit CDO II, Ltd. None Cayman Islands Connecticut Valley Structured Credit CDO III, Ltd. None Cayman Islands Connecticut Valley CLO Fund IV, Ltd. None Cayman Islands Connecticut Valley CLO Fund IV, Ltd. None Cayman Islands Connecticut Valley CLO Fund IV, Ltd. None Cayman Islands Connecticut Valley CLO Fund IV, Ltd. None Cayman Islands Connecticut Valley CLO Fund IV, Ltd. None Cayman Islands Connecticut Valley CLO Fund IV, Ltd. None Cayman Islands Connecticut Valley CLO Fund IV, Ltd. None Cayman Islands Connecticut Valley CLO Fund IV, Ltd. None Cayman Islands C				
Babson Euro CLO 2014-1 BV None Netherlands Babson Global Income Opportunities Credit Fund 46-3119764 Massachusetts Babson Brick LO 2014-1 None Cayman Islands Benton Street Partners I, L.P.* 98-0536233 Cayman Islands Benton Street Partners II, L.P.* 98-0536199 Cayman Islands Clear Lake CLO, Ltd. None Cayman Islands Connecticut Valley Structured Credit CDO II, Ltd. None Cayman Islands Connecticut Valley Structured Credit CDO III, Ltd. None Cayman Islands Connecticut Valley Structured Credit CDO III, Ltd. None Cayman Islands Connecticut Valley Structured Credit CDO III, Ltd. None Cayman Islands Connecticut Valley Structured Credit CDO III, Ltd. None Cayman Islands Connecticut Valley Structured Credit CDO III, Ltd. None Cayman Islands Duches Structured Credit CDO III, Ltd. None Cayman Islands Duches Structured Credit CDO III, Ltd. None United Kingdom Duchess V CDO S.A. None United Kingdom Duchess V CDO S.A. None United Kingdom <td></td> <td></td> <td></td> <td></td>				
Babson Global Income Opportunities Credit Fund 46-3119764 Massachusetts Babson Mid-Market CLO Ltd 2007-II Mone Cayman Islands Benton Street Partuers I, L.P.* 98-0356233 Cayman Islands Cayman Islands Partuer Partuers II, L.P. 98-0356199 Cayman Islands Cayman Islands Partuer II, L.P. None Cayman Islands Cayman Islands Connecticut Valley Structured Credit CDO II, Ltd. None Cayman Islands Cayman Islands Connecticut Valley Structured Credit CDO III, Ltd. None Cayman Islands Cayman Islands Connecticut Valley Structured Credit CDO III, Ltd. None Cayman Islands Cayman Islands Connecticut Valley Structured Credit CDO III, Ltd. None Cayman Islands Cayman Islands Connecticut Valley Structured Credit CDO III, Ltd. None Cayman Islands Cayman Islands Connecticut Valley Structured Credit CDO III, Ltd. None Cayman Islands Cayman Islands Connecticut Valley CLO III, Ltd. None Cayman Islands Cayman Islands Cayman Islands Connecticut Valley CLO III, Ltd. None Cayman Islands Cayman Islands Connecticut Valley CLO III, Ltd. None United Kingdom Cayman Islands	Babson Euro CLO 2014-I BV	None		
Babson Global Income Opportunities Credit Fund 46-3119764 Massachusetts Babson Mid-Market CLO Ltd 2007-II Mone Cayman Islands Benton Street Partuers I, L.P.* 98-0356233 Cayman Islands Cayman Islands Partuer Partuers II, L.P. 98-0356199 Cayman Islands Cayman Islands Partuer II, L.P. None Cayman Islands Cayman Islands Connecticut Valley Structured Credit CDO II, Ltd. None Cayman Islands Cayman Islands Connecticut Valley Structured Credit CDO III, Ltd. None Cayman Islands Cayman Islands Connecticut Valley Structured Credit CDO III, Ltd. None Cayman Islands Cayman Islands Connecticut Valley Structured Credit CDO III, Ltd. None Cayman Islands Cayman Islands Connecticut Valley Structured Credit CDO III, Ltd. None Cayman Islands Cayman Islands Connecticut Valley Structured Credit CDO III, Ltd. None Cayman Islands Cayman Islands Connecticut Valley CLO III, Ltd. None Cayman Islands Cayman Islands Cayman Islands Connecticut Valley CLO III, Ltd. None Cayman Islands Cayman Islands Connecticut Valley CLO III, Ltd. None United Kingdom Cayman Islands	Babson Global Floating Rate Fund	46-3133952		Massachusetts
Benton Street Partners I, L.P.* 98-0536319 Cayman Islands Benton Street Partners II, L.P. 98-0536199 Cayman Islands Cleat Lake CLO, Ltd. None Cayman Islands Connecticut Valley Structured Credit CDO III, Ltd. None Cayman Islands Connecticut Valley Structured Credit CDO III, Ltd. None Cayman Islands Connecticut Valley CLO Fund IV, Ltd. None Cayman Islands Duchos ST CDO SA. None United Kingdom Duchess IV CDO S.A. None United Kingdom Duchess VI CDO S.A. None United Kingdom Duchess VI CLO B.V. None United Kingdom Duchess VI CLO B.V. None United Kingdom Pugus Credit Ple None United Kingdom Fugus Credit Ple None United Kingdom Gateway Mezzanine Partners I, L.P.* Sol. Oseph 253 Delaware Gateway Mezzanine Partners I I I I I P* None Cayman Islands Great Lakes III I L.C.* 37-1708623 Delaware Great Lakes III I L.P.* 56-2573568 Massechusetts		46-3119764		Massachusetts
Benton Street Partners II, L.P. Second Street Partners II, L.P. Cayman Islands Clear Lake CLO, Ltd. None Cayman Islands Connecticul Valley Structured Credit CDO III, Ltd. None Cayman Islands Connecticul Valley Structured Credit CDO III, Ltd. None Cayman Islands Connecticul Valley CLO Fund IV, Ltd. None Cayman Islands Diamond Lake CLO, Ltd. None United Kingdom Duchess II CDO S.A. None United Kingdom Duchess IV CDO S.A. None United Kingdom Duchess VLO DS A. None United Kingdom Duchess VI CLO B.V. None United Kingdom Duchess VI CLO B.V. None United Kingdom Duchess VI CLO B.V. None United Kingdom Pugu 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.* None United Kingdom Gateway Mezzanine Partners II L.P.* None Cayman Islands Great Lakes III,	Babson Mid-Market CLO Ltd. 2007-II	None		Cayman Islands
Clear Lake CLO, Ltd. None Cayman Islands Connecticut Valley Structured Credit CDO III, Ltd. None Cayman Islands Connecticut Valley Structured Credit CDO III, Ltd. None Cayman Islands Diamond Lake CLO, Ltd. None Cayman Islands Diamond Lake CLO, Ltd. None United Kingdom Duchess II CDO S.A. None United Kingdom Duchess IV CDO S.A. None United Kingdom Duchess VI CLO B.V. None United Kingdom Duchess VI CLO B.V. None United Kingdom Duchess VI CLO B.V. None United Kingdom Fugu CLO B.V. None United Kingdom Gateway Mezzanine Partners I, L.P.* 80-0691253 Delaware Gateway Mezzanine Partners II L.P.* 71-1018134 Delaware Great Lakes III L.C.* 71-1018134 Delaware Great Lakes III L.C.* 56-2505390 Delawar	Benton Street Partners I, L.P.*	98-0536233		Cayman Islands
Connecticut Valley Structured Credit CDO II, Ltd. None Cayman Islands Connecticut Valley Structured Credit CDO III, Ltd. None Cayman Islands Diamond Lake CLO, Ltd. None Cayman Islands Duchess I CDO S.A. None United Kingdom Duchess III CDO S.A. None United Kingdom Duchess V CDO S.A. None United Kingdom Duchess V CDO S.A. None United Kingdom Duchess VI CLO B.V. None United Kingdom Duchess VI CLO B.V. None United Kingdom Fugu Credit Plc None United Kingdom Gateway Mezzanine Partners I, L.P.* None United Kingdom Gateway Mezzanine Partners I, L.P.* 80-0691253 Delaware Gateway Mezzanine Partners I Tinst 80-0691253 Delaware Great Lakes III L.L.* 71-1018134 Delaware Great Lakes III, L.P. 56-257365 Delaware Great Lakes III, L.P. 56-2573623 Delaware Intermodal Holding II LLC 46-2344300 Delaware Intermodal Holding II LLC	Benton Street Partners II, L.P.	98-0536199		Cayman Islands
Connecticut Valley Structured Credit CDO III, Ltd. None Cayman Islands Connecticut Valley CLO Fund IV, Ltd. None Cayman Islands Diamond Lake CLO, Ltd. None United Kingdom Duchess I CDO S.A. None United Kingdom Duchess IV CDO S.A. None United Kingdom Duchess V CDO S.A. None United Kingdom Duchess VI CLO B.V. None United Kingdom Duchess VII CLO B.V. None United Kingdom Fugu CLO B.V. None United Kingdom Fugu Credit Ple None United Kingdom Gatevay Mezzanine Partners I, L.P.* None United Kingdom Gatevay Mezzanine Partners I Trust 80-0691253 Delaware Gatevay Mezzanine Partners II L.P.* 71-1018134 Delaware Great Lakes III L.P.* 37-1708623 Delaware Great Lakes III L.P. 37-1708623 Delaware Intermodal Holding I LLC 46-2344300 Delaware Intermodal Holding I LLC None Cayman Islands Newton CDO Ltd None <td< td=""><td></td><td></td><td></td><td></td></td<>				
Connecticut Valley CLO Fund IV, Ltd. None Cayman Islands Diamond Lake CLO, Ltd. None Cayman Islands Duchess ICDO S.A. None United Kingdom Duchess IV CDO S.A. None United Kingdom Duchess V CDO S.A. None United Kingdom Duchess V CDO S.A. None United Kingdom Duchess VI CLO B.V. None United Kingdom Pught 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 III, L.P. 71-1018134 Delaware Great Lakes III, L.P. 56-2505390 Delaware Intermodal Holding II LLC 56-2505390 Delaware Intermodal Holding II LLC 56-2574568 Massachusetts Malin CLO B.V. None Cayman Islands Newton CDO Ltd None Cayman Islands				
Diamond Lake CLO, Ltd. None Cayman Islands Duchess IC CDO S.A. None United Kingdom Duchess IV CDO S.A. None United Kingdom Duchess V CDO S.A. None United Kingdom Duchess V CDO S.A. None United Kingdom Duchess VI CLO B.V. None United Kingdom Duchess VI CLO B.V. None United Kingdom Fugu CLO B.V. None United Kingdom Fugu CLO B.V. None United Kingdom Fugu Credit Plc None United Kingdom Gateway Mezzanine Partners I, L.P.* 80-0691253 Delaware Gateway Mezzanine Partners II LP* None Cayman Islands Gateway Mezzanine Partners II LP* 90-0991195 Delaware Great Lakes III, L.P. 37-1708623 Delaware Great Lakes III, L.P. 56-2505390 Delaware Intermodal Holding II LLC 56-2505390 Delaware Invicta Holdings LLC 56-2574568 Massachusetts Nalin CLO B.V. None Cayman Islands Non	· · · · · · · · · · · · · · · · · · ·			
Duchess I ICDO S.A. None United Kingdom Duchess III CDO S.A. None United Kingdom Duchess V CDO S.A. None United Kingdom Duchess V CLO B.V. None United Kingdom Duchess VII CLO B.V. None United Kingdom Pugu Credit Plc 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 II LIP* None Cayman Islands Gateway Mezzanine Partners II LIP* 90-0991195 Delaware Great Lakes II LLC* 37-1708623 Delaware Great Lakes II LLC* 37-1708623 Delaware Great Lakes ILC.* 46-2344300 Delaware Intermodal Holding II LLC 56-2505390 Delaware Invicta Holdings LLC None Cayman Islands Newton CDO Ltd None Cayman Islands Rockall CLO B.V. None Cayman Islands Salomon Trust				
Duchess III CDO S.A. None United Kingdom Duchess IV CDO S.A. None United Kingdom Duchess V CDO S.A. None United Kingdom Duchess VI CLO B.V. None United Kingdom Duchess VII CLO B.V. None United Kingdom Fugu CLO B.V. None United Kingdom Fugu Credit Ple None United Kingdom Gateway Mezzanine Partners I, L.P.* 80-069123 Delaware Gateway Mezzanine Partners II Trust None Cayman Islands Gateway Mezzanine Partners II L.P.* 90-0991195 Delaware Great Lakes II I.L.P. 71-1018134 Delaware Great Lakes III, L.P. 37-1708623 Delaware Great Lakes III, L.P. 56-2505390 Delaware Intermodal Holding II LLC 46-2344300 Delaware Invicta Holdings I.L.C None United Kingdom Newton CDO Ltd None United Kingdom Newton CDO Ltd None Cayman Islands Saint James River CDO, Ltd. None Cayman Islands				
Duchess IV CDO S.A. None United Kingdom Duchess V CDO S.A. None United Kingdom Duchess VI CLO B.V. None United Kingdom Duchess VII CLO B.V. None United Kingdom Fugu CLO B.V. None United Kingdom Fugu Credit Ple None United Kingdom Gateway Mezzanine Partners I, L.P.* 80-0691253 Delaware Gateway Mezzanine Partners IT ITrust None Cayman Islands Gateway Mezzanine Partners II L.P.* 71-1018134 Delaware Great Lakes II L.L.* 71-1018134 Delaware Great Lakes II L.L.* 71-1018134 Delaware Great Lakes IL.L.* 71-1018134 Delaware Great Lakes IL.L.* 71-1018134 Delaware Great Lakes IL.L.* 71-1018134 Delaware Internodal Holding II LLC 46-234300 Delaware Internodal Holding II LLC 56-2574568 Massachusetts Malin CLO B.V. None United Kingdom Newton CDO Ltd None Cayman Islands <td< td=""><td></td><td></td><td></td><td></td></td<>				
Duchess V CDO S.A. None United Kingdom Duchess VI CLO B.V. None United Kingdom Fugu CLO B.V. None United Kingdom Fugu CLO B.V. None United Kingdom Fugu Credit Ple None United Kingdom Gateway Mezzanine Partners I, L.P.* 80-0691253 Delaware Gateway Mezzanine Partners II LP* None Cayman Islands Great Lakes II LLC* 71-1018134 Delaware Great Lakes III, L.P. 37-1708623 Delaware Great Lakes III, L.P. 56-2503390 Delaware Intermodal Holding II LLC 46-2344300 Delaware Invicta Holdings ILC None Massachusetts 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 Cayman Islands Sapphire Valley CDO I, Ltd. None Cayman Islands SDCOS L.P.				
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 II LP* None Cayman Islands Gateway Mezzanine Partners II LP* 90-0991195 Delaware Great Lakes III, L.P. 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 I LLC None United Kingdom Newton CDO Ltd None Cayman Islands Rockall CLO B.V. None Cayman Islands Saint James River CDO, Ltd. None Cayman Islands Salomon Trust 2001-MM None Cayman Islands Sapphire Valley CDO I, Ltd. None Cayman Islands SDCOS L.P. 74-3182902 Delaware				
Duchess VII 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 L.P.* 90-0991195 Delaware Great Lakes III L.C.* 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 None United Kingdom Newton CDD Ltd None United Kingdom Rockall CLO B.V. None United Kingdom Saint James River CDO, Ltd. None United Kingdom Saint James River CDO, Ltd. None Cayman Islands Salomon Trust 2001-MM None Cayman Islands Sapphire Valley CDO I, Ltd. None Cayman Islands SDCOS L.P. 74-3182902 Delaware				
Fugu CLO B.V. None United Kingdom Fugu Credit Ple None United Kingdom Gateway Mezzanine Partners I, L.P.* 80-0691253 Delaware Gateway Mezzanine Partners IT Trust None Cayman Islands Gateway Mezzanine Partners II LP* 90-0991195 Delaware Great Lakes III, L.P. 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 Malin CLO B.V. None Cayman Islands Rockall CLO B.V. None Cayman Islands Rockall CLO B.V. None Cayman Islands Salomon Trust 2001-MM None Cayman Islands Salomon Trust 2001-MM None Cayman Islands SDCOS L.P. 74-3182902 Delaware				
Fugu Credit Plc None United Kingdom Gateway Mezzanine Partners I, L.P.* 80-0691253 Delaware Gateway Mezzanine Partners IT rust None Cayman Islands Gateway Mezzanine Partners II L.P* 90-0991195 Delaware Great Lakes III LLC* 71-1018134 Delaware Great Lakes III, L.P. 37-1708623 Delaware Great Lakes III, L.P. 56-2505390 Delaware Intermodal Holding II LLC 56-2505390 Delaware Invicta Holdings LLC None United Kingdom Main 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				
Gateway Mezzanine Partners I, L.P.*80-0691253DelawareGateway Mezzanine Partners I TrustNoneCayman IslandsGateway Mezzanine Partners II L.P*90-0991195DelawareGreat Lakes II L.C.*71-1018134DelawareGreat Lakes III, L.P.37-1708623DelawareGreat Lakes LL.C.*56-2505390DelawareIntermodal Holding II LLC46-2344300DelawareInvicta Holdings LLC56-2574568MassachusettsMalin CLO B.V.NoneUnited KingdomNewton CDO LtdNoneCayman IslandsRockall CLO B.V.NoneUnited KingdomSaint James River CDO, Ltd.NoneCayman IslandsSalomon Trust 2001-MMNoneDelawareSapphire Valley CDO I, Ltd.NoneCayman IslandsSapphire Valley CDO I, Ltd.NoneCayman IslandsSDCOS L.P.74-3182902Delaware				
Gateway Mezzanine Partners I Trust Gateway Mezzanine Partners II LP* Great Lakes II LLC* Great Lakes III, LP. Great Lakes III, LP. Great Lakes LLC* Intermodal Holding II LLC Intermodal Holding II LC Intermodal Holding				
Gateway Mezzanine Partners II LP* Great Lakes II LLC* Great Lakes III, L.P. Great Lakes III, L.P. Great Lakes LIC* Great Lakes LLC* Intermodal Holding II LLC Invicta Holdings LLC Malin CLO B.V. None Newton CDO Ltd Rockall CLO B.V. None None Vunited Kingdom None None Vunited Kingdom None Saint James River CDO, Ltd. Salomon Trust 2001-MM Salomon Trust 2001-MM Sapphire Valley CDO I, Ltd. SDCOS L.P. Delaware None Spleate				
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Great Lakes III, L.P.37-1708623DelawareGreat Lakes LLC*56-2505390DelawareIntermodal Holding II LLC46-2344300DelawareInvicta Holdings LLC56-2574568MassachusettsMalin CLO B.V.NoneUnited KingdomNewton CDO LtdNoneCayman IslandsRockall CLO B.V.NoneUnited KingdomSaint James River CDO, Ltd.NoneCayman IslandsSalomon Trust 2001-MMNoneDelawareSapphire Valley CDO I, Ltd.NoneCayman IslandsSDCOS L.P.74-3182902Delaware				
Great Lakes LLC* Intermodal Holding II LLC Invicta Holdings LLC Invicta Holdings LLC Invicta Holdings LLC Malin CLO B.V. None United Kingdom Newton CDO Ltd Rockall CLO B.V. None Cayman Islands Rockall CLO B.V. None United Kingdom None Saint James River CDO, Ltd. Salomon Trust 2001-MM Sapphire Valley CDO I, Ltd. Sapphire Valley CDO I, Ltd. SDCOS L.P.				
Intermodal Holding II LLC46-2344300DelawareInvicta Holdings LLC56-2574568MassachusettsMalin CLO B.V.NoneUnited KingdomNewton CDO LtdNoneCayman IslandsRockall CLO B.V.NoneUnited KingdomSaint James River CDO, Ltd.NoneCayman IslandsSalomon Trust 2001-MMNoneDelawareSapphire Valley CDO I, Ltd.NoneCayman IslandsSDCOS L.P.74-3182902Delaware				
Invicta Holdings LLC Malin CLO B.V. None United Kingdom Newton CDO Ltd Rockall CLO B.V. None Cayman Islands Rockall CLO B.V. None United Kingdom Vone Vone Vone Cayman Islands Cayman Islands None Cayman Islands Salomon Trust 2001-MM Salomon Trust 2001-MM Sapphire Valley CDO I, Ltd. Sapphire Valley CDO I, Ltd. SDCOS L.P. None Cayman Islands Cayman Islands Delaware Cayman Islands Delaware				
Malin CLO B.V.NoneUnited KingdomNewton CDO LtdNoneCayman IslandsRockall CLO B.V.NoneUnited KingdomSaint James River CDO, Ltd.NoneCayman IslandsSalomon Trust 2001-MMNoneDelawareSapphire Valley CDO I, Ltd.NoneCayman IslandsSDCOS L.P.74-3182902Delaware				
Newton CDO LtdNoneCayman IslandsRockall CLO B.V.NoneUnited KingdomSaint James River CDO, Ltd.NoneCayman IslandsSalomon Trust 2001-MMNoneDelawareSapphire Valley CDO I, Ltd.NoneCayman IslandsSDCOS L.P.74-3182902Delaware				
Rockall CLO B.V.NoneUnited KingdomSaint James River CDO, Ltd.NoneCayman IslandsSalomon Trust 2001-MMNoneDelawareSapphire Valley CDO I, Ltd.NoneCayman IslandsSDCOS L.P.74-3182902Delaware				
Saint James River CDO, Ltd. Salomon Trust 2001-MM Sapphire Valley CDO I, Ltd. SDCOS L.P. None Cayman Islands Delaware Cayman Islands None Cayman Islands Polaware Cayman Islands Cayman Islands Delaware				
Salomon Trust 2001-MM Sapphire Valley CDO I, Ltd. SDCOS L.P. None Cayman Islands SDCOS L.P. 74-3182902 Delaware				
Sapphire Valley CDO I, Ltd. SDCOS L.P. None Cayman Islands Pelaware Cayman Islands Delaware				
SDCOS L.P. 74-3182902 Delaware		None		Cayman Islands
Somerset Special Opportunities Fund L.P.* 20-8856877 Delaware		74-3182902		
	Somerset Special Opportunities Fund L.P.*	20-8856877		Delaware
Suffield CLO, Limited None Cayman Islands		None		Cayman Islands

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

	<u>Federal Tax ID</u>	NAIC Co Code	State of Domicile
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
U.S. WIG Holding L.P.	46-1500495		Delaware
Vinacasa CLO, Ltd.	None		Cayman Islands
Whately CDO, Ltd.	None		Cayman Islands
Winterset Capital Partners, L.P.*	None		Cayman Islands
WC Aircraft Holdings US II, LLC	46-3378584		Delaware
Wood Creek Multi Asset Fund, L.P.	20-4981369		Delaware
Wood Creek Venture Fund LLC	04-1590850		Massachusetts
Baring Affiliates & Funds:			
Baring All Country World ex US Equity Fund	45-4184261		Delaware
Baring Emerging Market Corp Debt Fund	None		Ireland
Baring Focused EAFE Equity Fund	11-3789446		Delaware
Baring Global Dynamic Asset Allocation Fund	30-0607379		Delaware
Baring International Equity Fund	39-2059577		Delaware
Baring International Small Cap Equity Fund	26-4142796		Delaware
Baring World Equity Fund	46-1197222		Delaware
Multi-Employer Global Aggregate Diversified Portfolio	26-1896226		Delaware
Cornerstone Affiliates & Funds:	00.050505		D 1
11 Fan Pier Boulevard Member LLC	90-0728785		Delaware
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
50 Northern Avenue Member LLC	80-0729557		Delaware
Ygnatio Valley Funding	20-5481477		Delaware
AT Mid-Atlantic Office Portfolio LLC*	45-2779931 20-4570515		Delaware Delaware
Babson Mezzanine Realty Investors I*	20-4370313 24-1446970		
Babson Mezzanine Realty Investors II CHC/RFP VI Core LLC	24-1446970 04-1590850		Delaware Delaware
Cornerstone Apartment Fund I, LLC	04-1390830 06-1595820		Delaware Delaware
Cornerstone Apartment Fund 1, LLC Cornerstone Apartment Venture III, LLC	20-5786329		Delaware
Cornerstone Austin Park Central I LP*	56-2639862		Delaware
Cornerstone Austin Park Central I LP* Cornerstone Core Mortgage Fund I LP	27-1701733		Delaware Delaware
Cornersione Core wrongage rund i Er	2/-1/01/33		Delawale

^{*}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
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
Gallery Place Equity LLC	11-3677334		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
MM Woodfield Martingale LLC*	46-4077059		Delaware
PO Parsippany Office Portfolio LLC*	46-0808569		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
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 Capital Appreciation Fund	51-0529336		Massachusetts
MassMutual Premier Core Bond Fund	04-3277549		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.

Federal Tax ID NAIC Co Code State of Domicile

	Tederal Tura ID	State of Bonnene
MassMutual Premier Disciplined Value Fund	04-3539084	Massachusetts
MassMutual Premier High Yield Fund	04-3520009	Massachusetts
MassMutual Premier Inflation-Protected and Income Fund	03-0532475	Massachusetts
MassMutual Premier International Equity Fund	04-3212044	Massachusetts
MassMutual Premier 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 Blue Chip Growth Fund	04-3556992	Massachusetts
MassMutual Select Diversified Value Fund	01-0821120	Massachusetts
MassMutual Select Focused Value Fund	04-3512590	Massachusetts
MassMutual Select Fundamental Value Fund	04-3584138	Massachusetts
MassMutual Select Growth Opportunities Fund	04-3512589	Massachusetts
MassMutual Select Large Cap Value Fund	04-3513019	Massachusetts
MassMutual Select Mid Cap Growth Equity II Fund	04-3512596	Massachusetts
MassMutual Select Mid-Cap Value Fund	42-1710935	Massachusetts
MassMutual Select Overseas Fund	04-3557000	Massachusetts
MassMutual Select Small Cap Growth Equity Fund	04-3464205	Massachusetts
MassMutual Select Small Company Value Fund	04-3584140	Massachusetts
MassMutual Select S&P Mid Cap Index Fund	45-5349772	Massachusetts
MassMutual Select Russell 2000 Small Cap Index Fund	45-5366542	Massachusetts
MassMutual Select MSCI EAFE International Index Fund	45-5357167	Massachusetts
MML Series Investment Funds:		
MML China Fund	26-2997893	Massachusetts
MassMutual RetireSMART Funds:		
MassMutual RetireSMART 2015 Fund	27-1933828	Massachusetts
MassMutual RetireSMART 2025 Fund	27-1933753	Massachusetts
MassMutual RetireSMART 2045 Fund	27-1932769	Massachusetts
MassMutual RetireSMART 2055 Fund	46-3289207	Massachusetts
MassMutual RetireSMART In Retirement Fund	03-0532464	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.

	PART 1A - DETAIL OF INSURANCE HOLDING COMPANY SYSTEM													
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	_				_	·	_				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)	*
Code	Group Name	Code	Number	nood	OIN	international)	Massachusetts Mutual Life Insurance	tion	Littly	Massachusetts Mutual Life Insurance	Other)	lage	Littity(les)/Ferson(s)	
0435	Massachusetts Mut Life Ins Co	65935	04-1590850	3848388	0000225602		Company (MMLIC)	MA	UDP	Company	Ownership		MML1C	
9435	massachusetts mut Life ins co	65869	04-1590850 .	3040300	. 0000223602		Company (WMLTC)	MA		Massachusetts Mutual Life Insurance	Owner sn i p	100.000	MMLIU	
0435	CM Life Ins Co	93432	06-1041383				C.M. Life Insurance Company	CT	RE	Company	Ownership.		MMLIC	
		70416	43-0581430 .		0000924777		MML Bay State Life Insurance Company			C.M. Life Insurance Company	Ownership	100.000	MMLIC	
0435	MML Baystate Life Ins Co	/0416	. 06-1041383		0000924777		CML Mezzanine Investor, LLC		NIA	C.M. Life Insurance Company	Ownership	100.000	MMLIC	
0000			06-1041383				CML Mezzanine Investor, LLC	DE	NIA NIA	C.M. Life Insurance Company	Ownership	100.000	MMLIC	
0000			06-1041383					DE			Ownership	100.000	MMLIC	
0000			06-1041383				CML Mezzanine Investor III, LLC	DE	NIA NIA	C.M. Life Insurance Company	Ownership	100.000	MMLIC	
			. 00-1041383 .				UNL HE FINANCE LLU	. VE	NIA	C.M. Life Insurance Company	_ Uwnership	100.000	WML I U	
0000			04 4500050				MM Managina Investor I II O	DE	MIL A	Massachusetts Mutual Life Insurance	O-manah i-	100 000	MA 10	
0000			. 04–1590850 .				MML Mezzanine Investor L, LLC	UE	NI A	Company Massachusetts Mutual Life Insurance	Ownership		MMLIC	
0000			04 4500050				Destruction We IIIO	DE	ALL A		0	100,000	18/1/10	
0000			. 04–1590850 .				Berkshire Way LLC	DE	NIA	Company Massachusetts Mutual Life Insurance	Ownership		MMLIC	
0000			04 4500050				00 4 4- 110	DE	ALL A		0	100,000	18/1/10	
0000			. 04-1590850 .				CB-Apts, LLC	DE	NIA	Company	Ownership	100.000	. MMLIC	
0000			00 4444007				WD 00 110	DE		Massachusetts Mutual Life Insurance		04 400	188.10	
0000			26-4441097				WP-SC, LLC		NIA	Company	Ownership	81.400		
0000			26-4441097				WP-SC, LLC	DE	NI A	C.M. Life Insurance Company	Ownership	18.600	MMLIC	
										Massachusetts Mutual Life Insurance				
0000			. 04-1590850 .				MSP-SC, LLC	DE	NIA	Company	Ownership		MMLIC	
										Massachusetts Mutual Life Insurance				
0000			27-1435692 .				Country Club Office Plaza LLC	DE	NIA	Company	Ownership	88100		
0000			27-1435692 .				Country Club Office Plaza LLC	DE	NIA	C.M. Life Insurance Company	Ownership	11.900	MMLIC	
										Massachusetts Mutual Life Insurance				
0000			37-1732913				Fern Street LLC	DE	NIA	Company	Ownership		MMLIC	
										Massachusetts Mutual Life Insurance				
0000			. 04-1590850 .				MassMutual Retirement Services, LLC	DE	NI A	Company	Ownership		MMLIC	
										Massachusetts Mutual Life Insurance				
0000			. 04-3356880 .		0000943903		MML Distributors LLC	MA	NIA	Company	Ownership	99.000		
0000			. 04-3356880 .		0000943903		MML Distributors LLC	MA	NIA	MassMutual Holding LLC	Ownership	1.000	MMLIC	
										Massachusetts Mutual Life Insurance				
0000							MML Investment Advisers, LLC	DE	NIA	Company	Ownership		MMLIC	
0000			04 4500055					D=		Massachusetts Mutual Life Insurance		400 000	144 10	
0000			04-1590850 .				MML Mezzanine Investor, LLC	DE	NIA	Company	Ownership	100.000	MMLIC	
0000			40.0000015					D=		Massachusetts Mutual Life Insurance		400 000	144 10	
0000			46-3238013 .				MML Strategic Distributors, LLC	DE	NI A	Company	Ownership	100.000	MMLIC	
0000			00 4500505	0004445	0004400055		T. H. H. I. T. I.O. 500	1		Massachusetts Mutual Life Insurance		400.000	144 10	
0000			. 06-1563535 .	2881445	0001103653		The MassMutual Trust Company, FSB	US	NI A	Company	Ownership	100.000	. MMLIC	
0000			04 4500050				MIO F Figure 110	DE	ALL A	Massachusetts Mutual Life Insurance	0	400 000	100	
0000			04-1590850 .				MMC Equipment Finance LLC	. DE	NIA	Company	Ownership	100.000	. MMLIC	
0000			26-0073611 .				MassMutual Asset Finance LLC	DE	NIA	MMC Equipment Finance LLC	Ownership	99.600	MMLIC	
0000			26-0073611				MassMutual Asset Finance LLC	DE	NIA	C.M. Life Insurance Company	Ownership	0.400		
0000			20-1217159 .				Winmark Limited Funding, LLC	DE	NI A	MassMutual Asset Finance LLC	Ownership	100.000	- MMLIC	
0000			27-1379258 .				MMAF Equipment Finance LLC 2009-A	DE	NI A	MassMutual Asset Finance LLC	Ownership	100.000		
0000			45-2589019 .				MMAF Equipment Finance LLC 2011-A	DE	NI A	MassMutual Asset Finance LLC	Ownership	100.000	MMLIC	
0000			04 4500055				MML Private Placement Investment Company I	, ,		Massachusetts Mutual Life Insurance		400 000	144 10	
0000			. 04-1590850 .				LLC	DE	NIA	Company	Ownership	100.000	. MMLIC	
0000			45 40				1100 11 11: 0	D=		Massachusetts Mutual Life Insurance		400 000	144 10	
0000			45-4376777				MSC Holding Company, LLC	DE	NIA	Company	Ownership		MMLIC	
0000			04-3341767		l		MassMutual Holding MSC, Inc.	MA	NIA	MSC Holding Company, LLC	Ownership	100.000	MMLIC	

				PAF	11 I <i>H</i>	- DE I AIL	. OF INSURANCE	. 111	JLDI	ING COMPAINT 3			
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											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	
0000			. 04-1590850 .		0001399869		MassMutual Capital Partners LLC	DE	NIA	MassMutual Holding LLC	Ownership	100.000	
0000			04-1590850				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				MML Insurance Agency, LLC	MA	NIA	MML Investors Services, LLC	Ownership	100.000	MMLIC
0000			41-2011634		0001456663		MMLISI Financial Alliances, LLC	DE	NIA	MML Investors Services, LLC	Ownership	51.000	MMLIC
0000			. 04-3313782				MassMutual International LLC	DE	NIA	MassMutual Holding LLC	Ownership	100.000	
0000							MassMutual Asia Limited	HKG	IA	MassMutual International LLC	Ownership	100.000	
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	
0000							MassMutual Insurance Consultants Limited	HKG	NIA	MassMutual Asia Limited	Ownership	100.000	
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	
							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	
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	
0000							Compania de Seguros CorpVida S.A	CHL	NIA	MassMutual International LLC	Ownership	27.900	
0000			. 45-4000072 .				MM Asset Management Holding LLC	DE	NIA	MassMutual Holding LLC	Ownership	100.000	
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	
0000			. 98-0437588 .				Babson Capital Guernsey Limited	GGY	NIA	Babson Capital Management LLC	Ownership	100.000	
0000			. 98-0432153 .				Babson Capital Europe Limited	GBR	NIA	Babson Capital Guernsey Limited	Ownership	100.000	MMLIC
0000							Almack Mezzanine GP III Limited	GBR	NIA	Babson Capital Europe Limited	Ownership	100.000	MMLIC
0000							Almack Holding Partnership GP Limited	GBR	NIA	Babson Capital Europe Limited	Ownership	100.000	
0000							Almack Mezzanine Fund Limited	GBR GBR	NIA	Babson Capital Europe Limited	Ownership	100.000	MMLIC
0000							Almack Mezzanine Fund II Limited	GBR	NIA NIA	Babson Capital Europe Limited	Ownership	100.000	MMLIC
0000							Babson Capital Global Advisors Limited	JPN	NIA	Babson Capital Europe Limited Babson Capital Management LLC	Ownership	100.000	MMLIC
0000			55-0878489	3456895	0001379495		Babson Capital Japan KK Cornerstone Real Estate Advisers LLC	DE	NIA	Babson Capital Management LLCBabson Capital Management LLC	Ownership	100.000	MMLIC
0000			04-3238351 .	3456895	. 0001379495		Cornerstone Real Estate Advisers LLC	CA	NIA	Cornerstone Real Estate Advisers LLC	Ownership	100.000	MMLIC
0000			04-3230331 .		000 10 1 1 148		Cornerstone Real Estate Advisers Inc.	UA	IN I A	Contret stolle near estate Muvisers LLC	Owner 2016		
0000					1		K.K.	JPN	NIA	Cornerstone Real Estate Advisers LLC	Ownership.	100.000	MMLIC
0000							Cornerstone Real Estate UK Holdings	JF IV	NIA	OUTHER STORE HEAT ESTATE MUVISEIS LLC	οπισι στι Ιμ		
0000					1		Limited	DE	NIA	Cornerstone Real Estate Advisers LLC	Ownership.	100.000	MMLIC
0000							Cornerstone Real Estate UK (No. 2) Limited		INI /\	Cornerstone Real Estate WK Holdings	οπιοι στιτρ		
0000			98-0654401		1		Some stone hear Estate on (No. 2) Elimited	_GBR	NIA	Limited	Ownership	_100.000	MMLIC
							Cornerstone Real Estate Advisers Europe	ا احاد		Cornerstone Real Estate UK Holdings			
0000			98-0654388		1		LLP	GBR	NIA	Limited	Ownership	100.000	MMLIC
							Cornerstone Real Estate Advisers Europe			Cornerstone Real Estate UK Holdings	σιποι σπιρ	1100.000	- IIIIE 10
0000			98-0654412		1		Finance LLP	GBR	NIA	Limited	Ownership.	100.000	MMLIC
0000							Babson Capital Asia Limited	HKG	NIA	Babson Capital Management LLC	Ownership	100.000	MMLIC
							Babson Capital Australia Holding Company						
0000					1		Pty Ltd.	AUS	NIA	Babson Capital Management LLC	Ownership	100.000	MMLIC
				1			, =	1.00		Babson Capital Australia Holding Company			
0000					1		Babson Capital Australia Pty Ltd	AUS	NIA	Ptv Ltd.	Ownership	100.000	MMLIC
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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)	*
0000			-				Babson Capital Cornerstone Asia Limited	HKG	NIA		nership	100.000	MMLIC	
0000			. 04-1590850 .				Wood Creek Capital Management LLC	DE			nership	100.000		
0000			. 26-3115362 .				Wood Creek Index Company, LLC	DE	NIA	Wood Creek Capital Management LLC Own	nership	100.000	MMLIC	
0000			. 04-1590850		0001501011		Babson Capital Floating Rate Income Fund Management, LLC	DE	NIA	Babson Capital Management LLC Owr	nership	.100.000	MMLIC	
0000			. 04-1390630 .		0001301011		Babson Capital Core Fixed Income	UE	NIA	Dabson Capital Management LLC	let Sittp	100.000		
0000			27-3523916		0001503878		Management LLC	DE	NIA	Babson Capital Management LLC Own	nership	100.000	MMLIC	
0000			27 0020310		0001000070		Babson Capital Total Return Management LLC			babson oup rear management LEO	ici 3iii p	100.000	WILL TO	
0000			27-3524203		0001503879		Daboti capital rotal notali management 220	DE	NIA	Babson Capital Management LLC Owr	nership	100.000	MMLIC	
0000			98-0536233				Benton Street Advisors. Inc.	CYM			nership	100.000	MMLIC	
0000			04-1590850				SDCOS Management LLC	DE			nership	100.000	MMLIC	
0000			. 04-1590850 .				Credit Strategies Management LLC	DE	NIA	Babson Capital Management LLC Owr	nership	100.000	MMLIC	
0000			. 04-1590850 .				Great Lakes III GP, LLC	DE			nership	100.000	MMLIC	
0000			. 04-1590850 .				Loan Strategies Management LLC	DE			nership	100.000	MMLIC	
0000			. 04-1590850 .				Mezzco LLC	DE			nership	100.000	MMLIC	
0000			. 02-0767001 .				Mezzco II LLC	DE			nership	98.400	MMLIC	
0000			41-2280126				Mezzco III LLC	DE			nership	99.300	MMLIC	
0000			80-0920285				Mezzco IV LLC	DE			nership	99.300	MMLIC	
0000			. 90-0666326 .				Mezzco Australia LLC	DE	NIA	Babson Capital Management LLC Owr	nership	72.000		.
0000			E4 0E04477				Babson Capital Cornerstone Managing	סר	ALL A	Debase Oc. Hall Management 110	and t	100 000	MMLIC	
0000			. 51-0504477				Director ASIA LLC	DE	NIA	Babson Capital Management LLC Owr	nership	100.000	MMLIC	
0000			04-1590850				LLC	DE	NIA	Babson Capital Management LLC Owr	nership	100.000	MMLIC	
0000			04-1590850				Winterset Management LLC	DE			nership	100.000	MMLIC	
0000			84-1149206	2897101			Oppenheimer Acquisition Corp.	DE	NIA		nership	96.600	MMLIC	
0000			13-2527171	2679183	0000820031		OppenheimerFunds. Inc.	CO	NIA		nership	.100.000	MMLIC	
0000			13-2953455	20.0.00	0000276541		OppenheimerFunds Distributor, Inc.	NY	NIA		nership	100.000	MMLIC	
0000			84-1106295				Oppenheimer Real Asset Management, Inc.	DE	NIA	OppenheimerFunds, Inc Owr	nership	100.000	MMLIC	
0000			. 13-4160541	3458125	0001179479		OFI Global Institutional, Inc.	NY	NIA	OppenheimerFunds, Inc Owr	nership	100.000	MMLIC	
							·			OFI Institutional Asset Management, Inc.	•			
0000			13-3459790	2914875			OFI Global Trust Company	NY	NIA		nership	100.000	MMLIC	
										OFI Institutional Asset Management, Inc.				
0000			22-2697140				HarbourView Asset Management Corporation	NY	NIA		nership	100.000	MMLIC	
										OFI Institutional Asset Management, Inc.				
0000			25-1951632		0000099782		Trinity Investment Management Corporation	PA	NIA		nership	100.000		
0000			84-1128397		0000857468 0000276398		OFI SteelPath, Inc.	DE	NIA		nership	100.000	MMLIC	
0000			. 84-1066811 . 84-0765063 .		0000276398		Shareholder Services, Inc.	CO DE	NIA NIA		nership	100.000	MMLICMMLIC	
0000			91-2036414		0001041674		OFI Global Asset Management, Inc OFI Private Investments Inc	NY			nership	100.000	MMLIC	
0000			62-1210532		00011/8400		Tremont Group Holdings, Inc.	NY	NIA		nership	.100.000	MMLIC	
0000			06-1121864		0000764139		Tremont Partners, Inc.	CT	NIA		nership	100.000	MMLIC	
0000			. 00 1121004		60104109		Tremont Capital Management (Ireland)	01		Tromont aroup norunings, mo	101 011 P		- IIII-1V	
0000		1			1		Limited	JRL	NIA	Tremont Group Holdings, Inc	nership	100.000	MMLIC	
0000			20-8215352				Tremont GP, Inc.	DE	NIA		nership	100.000	MMLIC	
0000			90-0874510				Settlement Agent LLC	DE	NIA		nership	100.000	MMLIC	
0000							Tremont (Bermuda) Limited	BMU	NIA	Tremont Group Holdings, Inc Owr	nership	100.000	MMLIC	
0000			. 04-1590850 .				MassMutual Baring Holding LLC	DE	NIA		nership	100.000	MMLIC	
0000			98-0241935	2363071	0000932463		Baring North America LLC	MA	NIA		nership	100.000	MMLIC	
0000							MassMutual Holdings (Bermuda) Limited	BMU	NIA		nership	100.000	MMLIC	
0000			98-0241935				Baring Asset Management Limited	GBR			nership	100.000	MMLIC	.
0000			98-0457328		0001568131		Baring International Investment Limited	GBR	NIA	Baring Asset Management Limited Own	nership	100.000	MMLIC	.

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						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	G. 54p . 145	0000		1.002	0	mitorriational)	Baring International Investment Management	1		(realise of Emily): electry	040.7	lage	2) (188)/1 8.881.(8)	
0000			. 98-0457587 .				Holdings		NIA	Baring Asset Management Limited	Ownership	100.000	MMLIC	
							Baring Asset Management UK Holdings			Baring International Investment	,			
0000			. 98-0457576 .				Limited	GBR	NIA	Management Holdings	Ownership	100.000	MMLIC	
										Baring Asset Management UK Holdings				
0000			. 98-0465031 .				Baring Asset Management GmbH	DEU	NIA	Limited	Ownership	100.000	MMLIC	
							Baring Asset Management (Asia) Holdings			Baring Asset Management UK Holdings				
0000			98-0524271 .				Limited	HKG	NIA	Limited	Ownership	100.000	MMLIC	
							Baring International Fund Managers			Baring Asset Management (Asia) Holdings				
0000			. 98-0457465 .		-		(Bermuda) Limited	BMU	NIA	Limited	Ownership	100.000	MML IC	
					1					Baring Asset Management (Asia) Holdings				
0000			. 98-0457463 .		-		Baring Asset Management (Asia) Limited	HKG	NIA	Limited	Ownership	100.000		
0000					-		Baring Asset Management Korea Limited	KOR	NIA	Baring Asset Management (Asia) Limited	Ownership	100.000	MMLIC	
0000			00 0000440				Dening Asset Homography (15 cm) 1 is it is	IDV	ALL A	Baring Asset Management (Asia) Holdings	O-manah i -	100 000	MMLIC	
0000			. 98-0236449 .				Baring Asset Management (Japan) Limited	JPN	NIA	Limited	Ownership	100.000	MMLIC	
0000			98-0457456				Baring Asset Management (Australia) Pty Limited	AUS	NIA	Baring Asset Management (Asia) Holdings	0	100,000	MMLIC	
0000			. 98-043/436 .				Baring International Fund Managers	AUS	NIA	LimitedBaring Asset Management UK Holdings	Ownership	100.000	MMLIC	
0000			. 98-0524272 .				(Ireland) Limited	JRL	MILA	Baring Asset Management UK Holdings Limited	O	100.000		
0000			. 98-0524272 .				(Tretand) Limited	I KL	NIA	Baring Asset Management UK Holdings	Ownership		MMLIC	
0000							Baring Asset Management Switzerland Sàrl .	CHE	NIA	Limited	Ownership	100.000	MMLIC	
0000							Dailing Asset management Switzerland Sail .	ا الا		Baring Asset Management UK Holdings	Owner strip		I MINIETO	
0000			98-0457707				Baring SICE (Taiwan) Limited	TWN	NIA	Limited	Ownership	100.000	MMLIC	
			00 0101101 1				but mg oron (ruman) him tou			Baring Asset Management UK Holdings	011101 0111P			
0000			98-0497550				Baring France SAS	FRA	NIA	Limited	Ownership	100.000	MMLIC	
0000			98-0457586				Baring Fund Managers Limited		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		
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	MMLIC	
l			l							Massachusetts Mutual Life Insurance				
0000			. 27-0607263 .		-		WW-Apts, LLC	DE	NIA	Company	Ownership	100.000	MMLIC	
0000			04 4500050		1		MAR Manager Laurent 111 110	r-	A	Massachusetts Mutual Life Insurance	0	400 000	144 10	
0000			. 04-1590850 .		-		MML Mezzanine Investor II, LLC	DE	NIA	Company	Ownership	100.000	MMLIC	
0000			04-1590850		1		MML Mezzanine Investor III, LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership.	100.000	MMLIC	
0000			. 04-1090800 .				MINIL MEZZANINE INVESTOR III, LLC	UE	NIA	Massachusetts Mutual Life Insurance	Owner Sn Tp		MMLIC	
0000			27-3576835				MassMutual External Benefits Group LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
			. 21-0010000 .		-		massimutual External Deficits aloup LLC	UE	NIN	Massachusetts Mutual Life Insurance	OHIIG1 9111P			
0000			04-1590850		1		MML Re Finance LLC	DE	NIA	Company	Ownership	100.000		
			. 0000001				INVIE IIV I IIIQIIOC LLO		NIM	Massachusetts Mutual Life Insurance	οπιοι στιμ			
0000			. 04-1590850 .		1		MP-Apts, LLC	DE	NIA	Company	Ownership	100.000	MMLIC	
										Massachusetts Mutual Life Insurance	557 Sirip.			
0000		1	27-4349154	l	. [580 Walnut Cincinnati LLC	DE	NIA	Company	Ownership.	50.000	MMLIC	
]							Massachusetts Mutual Life Insurance				
0000			52-2274685				C A F I, Inc	MD	NIA	Company	Ownership	69.900	MMLIC	
										Massachusetts Mutual Life Insurance				
0000					. 0001574089		Eighth Note, Inc.	DE	NIA	Company	Ownership	15.800		

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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.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		10.90		
0000			56-2574604				Invicta Advisors LLC	DE	NIA	Company	Ownership	89.000	MMLIC	
			20. 100 1							Massachusetts Mutual Life Insurance				
0000			27-0105644				Jefferies Finance LLC	DE	NIA	Company	Ownership	45.000	MMLIC	11
0000			27-0105644				Jefferies Finance LLC	DE	NIA	Babson Capital Management LLC	Ownership	5.000	MMLIC	
0000			. 27 0100044 .				DOTTOTTOS I MANDO ELO			Massachusetts Mutual Life Insurance	- Office Strip.		INITE 10	
0000			04-1590850		0000067160		MML Private Equity Fund Investor LLC	DE	NIA	Company	Ownership	100.000	MMLIC	
0000			04-1590850		. 0000007 100		MM Private Equity Intercontinental LLC	DE	NIA	MML Private Equity Fund Investor LLC	Ownership	100.000	MMLIC	
0000			. 04 1000000 .				min i i i vate Equity intercontinental EEC	UL		Massachusetts Mutual Life Insurance	Owner Sirrp			
0000							Almack Mezzanine Fund LP	GBR	NIA	Company	Ownership	36.500	MMLIC	
								GBR	NIA				MMLIC	
0000			-		-		Almack Mezzanine Fund LP	GBR		C.M. Life Insurance Company	Ownership	4.100	MML1C	
0000							Almack Mezzanine Fund i LP	Hau	NIA	Babson Capital Europe Limited	Management		MMLTC	
0000								000		Massachusetts Mutual Life Insurance		70.000	188 10	
0000							Almack Mezzanine Fund II Unleveraged LP	GBR	NIA	Company	Ownership	72.900	MMLIC	
0000							Almack Mezzanine Fund II Unleveraged LP	GBR	NIA	Babson Capital Europe Limited	Management		MMLIC	
										Massachusetts Mutual Life Insurance				
0000							Almack Mezzanine Fund III LP	GBR	NIA	Company	Ownership	33.800	MMLIC	
0000							Almack Mezzanine Fund III LP	GBR	NIA	C.M. Life Insurance Company	Ownership	4.200	MMLIC	
0000			-				Almack Mezzanine Fund III LP	GBR	NI A	Babson Capital Europe Limited	Management		MMLIC	
										Massachusetts Mutual Life Insurance				
0000			. 55-0886109 .		. 0001321302		Babson Capital High Yield LLC	DE	NI A	Company	Ownership	88.200	MMLIC	
0000			. 55-0886109 .		. 0001321302		Babson Capital High Yield LLC	DE	NIA	C.M. Life Insurance Company	Ownership	11.800	MMLIC	
0000			_ 55-0886109 _		. 0001321302		Babson Capital High Yield LLC	DE	NIA	Babson Capital Management LLC	Management		MMLIC	
							Babson Capital Floating Rate Income Fund,							
0000			27-3330830		. 0001521404		L.P	DE	NIA	MassMutual Holding LLC	Ownership	9.500	MMLIC	
							Babson Capital Floating Rate Income Fund,							
0000			. 27-3330830 .		. 0001521404		L.P	DE	NI A	Babson Capital Management LLC	Management		MMLIC	
							Babson Capital Global Investment Funds plc			Massachusetts Mutual Life Insurance				
0000					. 0001502146			GBR	NIA	Company	Ownership	0.900	MMLIC	
							Babson Capital Global Investment Fund 2			Massachusetts Mutual Life Insurance				
0000					. 0001582591		plc	JRL	NIA	Company	Ownership	100.000	MMLIC	
							Babson Capital Global Investment Fund 2							
0000					0001582591		plc	JRL	NIA	Babson Capital Management LLC	Management		MMLIC	
										Massachusetts Mutual Life Insurance				
0000					. 0001515694		Babson Capital Global Umbrella Fund plc	GBR	NIA	Company	Ownership	17.800	MMLIC	
			1				·			Massachusetts Mutual Life Insurance				
0000			. 37-1506417 .				Babson Capital Loan Strategies Fund, L.P	DE	NIA	Company	Ownership	78.500	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			1				Babson CLO Ltd. 2006-1	CYM	NIA	Babson Capital Management LLC	Influence	.	MMLIC	9
0000			1	1			Babson CLO Ltd. 2006-II	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	10
0000							Babson CLO Ltd. 2007-1	CYM	NIA	Babson Capital Management LLC	Influence	-	MMLIC	11
0000			1				Babson CLO Ltd. 2007-1	CYM	NIA	Babson Capital Management LLC	Influence	-	MMLIC	
0000			1		-		Babson CLO Ltd. 2011-1	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	
0000			1		-		Babson CLO Ltd. 2012-1	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	
0000			1				Babson CLO Ltd. 2012-11	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	
0000			98-1128827		-		Babson CLO Ltd. 2013-1	CYM	NIA	Babson Capital Management LLC	Influence	-	MMLIC	
0000			100-112002/		-		Babson CLO Ltd. 2013-11	CYM	NIA		Influence	-	MMLIC	
טטטע		.		-	.	1	Dausun ULU Llu. ZU14-1	ML		Babson Capital Management LLC	. IIII IUENCE	-	WIVIL U	

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											(Ownership,	is		
						Name of Securities			Relatio	n-	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-	Reporti	ing Directly Controlled by	Influence,	Percen-	Ultimate Controlling	
Code	Group Name	Code	Number	RSSD	CIK	International)	Or Affiliates	tion	Ėntity	(Name of Entity/Person)	Other)	tage	Entity(ies)/Person(s)	*
0000	·					· · · · · · · · · · · · · · · · · · ·	Babson Euro CLO 2014-1 BV	NLD	NIA.	Babson Capital Management LLC	Influence		MMLIC	
0000			46-3133952				Babson Global Floating Rate Fund	MA	NIA		Ownership	59.900		
							Babson Global Income Opportunities Credit			·	·			
0000			46-3119764				Fund	MA	NIA	Babson Capital Management LLC	Ownership	98.200	. MMLIC	
0000							Babson Mid-Market CLO Ltd. 2007-II	CYM	NIA		Influence		MMLIC	2
0000			98-0536233				Benton Street Partners I, L.P.	CYM	NIA	MassMutual Capital Partners LLC	Ownership	98.700	MMLIC	4
0000			98-0536233				Benton Street Partners I, L.P.	CYM	NIA	Babson Capital Management LLC	Management		MMLIC	4
0000			98-0536233				Benton Street Partners I, L.P.	CYM	NIA	C.M. Life Insurance Company	Ownership	0.100	MMLIC	4
										Massachusetts Mutual Life Insurance				
0000			98-0536233	.	.		Benton Street Partners I, L.P.	CYM	NIA	Company	Ownership	1.200	. MMLIC	4
0000			98-0536199				Benton Street Partners II, L.P.	CYM	NIA	Babson Capital Management LLC	Ownership	98.800		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							Connecticut Valley CLO Fund IV, Ltd.	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	
0000							Diamond Lake CLO, Ltd.	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	
0000				4007418			Duchess I CDO S.A.	GBR	NIA	Babson Capital Management LLC	Influence		MMLIC	
0000				4007445			Duchess III CDO S.A.	GBR	NIA		Influence		MMLIC	
0000							Duchess IV CDO S.A.	GBR	NIA		Influence		MMLIC	
0000							Duchess V CDO S.A.	GBR	NIA	Babson Capital Management LLC	Influence		MMLIC	
0000				3981641			Duchess VI CLO B.V.	GBR	NIA	Babson Capital Management LLC	Influence		MMLIC	
0000				4007502			Duchess VII CLO B.V.	GBR	NIA		Influence			
0000							Fugu CLO B.V.	GBR	NIA	Babson Capital Management LLC	Influence			6
0000							Fugu Credit Plc	GBR	NIA		Influence		MMLIC	6
										Massachusetts Mutual Life Insurance				
0000			. 80-0691253 .		. 0001517196		Gateway Mezzanine Partners I, L.P	DE	NIA		Ownership	75.400	. MMLIC	
0000			. 80-0691253 .		. 0001517196		Gateway Mezzanine Partners I, L.P	DE	NIA		Ownership	9.300	. MMLIC	
0000			. 80-0691253 .		. 0001517196		Gateway Mezzanine Partners I, L.P	DE	NIA		Management		MMLIC	
0000			. 80-0691253 .		. 0001517196		Gateway Mezzanine Partners I, L.P.	DE	NIA		Ownership	10.900	MMLIC	
0000							Gateway Mezzanine Partners I Trust	CYM	NIA		Influence		MMLIC	
										Massachusetts Mutual Life Insurance				
0000			90-0991195		. 0001597511		Gateway Mezzanine Partners II LP	DE	NIA		Ownership	85.300	MMLIC	
0000			90-0991195		. 0001597511		Gateway Mezzanine Partners II LP	DE	NIA		Ownership	12.800	. MMLIC	
0000			90-0991195	-	. 0001597511		Gateway Mezzanine Partners II LP	DE	NIA		Management		MMLIC	
										Massachusetts Mutual Life Insurance				
0000			71-1018134	-			Great Lakes II LLC	DE	NIA		Ownership	11.200	MMLIC	
0000			71-1018134	-			Great Lakes II LLC	DE	NIA		Ownership	1.000	. MMLIC	
			l	1				1		Massachusetts Mutual Life Insurance				
0000			37-1708623		. 0001565779		Great Lakes III, L.P.	DE	NIA		Ownership	35.700	MMLIC	
0000			37-1708623	-	. 0001565779		Great Lakes III, L.P.	DE	NIA		Management			
				1				1		Massachusetts Mutual Life Insurance				
0000			. 56-2505390 .		-		Great Lakes LLC	DE	NIA		Ownership	4.400		
0000			. 56-2505390 .				Great Lakes LLC	DE	NIA		Ownership	0.500	. MMLIC	
0000			. 46-2344300 .	-			Intermodal Holdings II LLC	DE	NIA		Influence		MMLIC	
				1				l		Massachusetts Mutual Life Insurance				
0000			. 56-2574568 .				Invicta Holdings LLC	MA	NIA		Ownership	85.600		
0000							Malin CLO B.V.	GBR	NIA		Influence			
0000					-		Newton CDO Ltd	CYM	NIA		Influence			
0000					.		Rockall CLO B.V.	GBR	NIA	Babson Capital Management LLC	Influence	.		

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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		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							Saint James River CDO, Ltd	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	
0000							Salomon Trust 2001-MM	DE	NIA	Cornerstone Real Estate Advisers LLC	Influence		MMLIC	
0000							Sapphire Valley CDO I, Ltd	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	13
										Massachusetts Mutual Life Insurance				
0000			. 74-3182902 .				SDCOS L.P.	DE	NIA	Company	Ownership	100.000		
0000			. 74–3182902 .				SDCOS L.P.	DE	NIA	Babson Capital Management LLC	Management		MMLIC	
0000			20-8856877		0001409910		Community Consists Community Communi	DE	MIA	Massachusetts Mutual Life Insurance	O	24 700	MMLIC	
0000					0001409910		Somerset Special Opportunities Fund L.P.	DE	NIA	Company	Ownership	31.700	MMLIC	
0000			. 20-8856877 . 20-8856877		0001409910		Somerset Special Opportunities Fund L.P.	DE	NIA NIA	C.M. Life Insurance Company	Ownership	1.500	MMLIC	
0000					. 1000 14099 10		Somerset Special Opportunities Fund L.P Suffield CLO. Limited	DE CYM	NIA NIA	Babson Capital Management LLC	Management Influence		MMLIC	
0000							Summit Lake CLO, Ltd.	CYM	NIA NIA	Babson Capital Management LLCBabson Capital Management LLC	Influence	-	MMLIC	
0000			46-3123110				Sweet Tree Holding 1 LLC	DE	NIA NIA	Babson Capital Management LLCBabson Capital Management LLC	Influence		MMLIC	
0000			. 40-3123110 .	-			OWEEL THEE HOTUING I LLC		NIA	Massachusetts Mutual Life Insurance	_ IIII Tuelice		WWILTO	
0000			04-3722906		0001228752		Tower Square Capital Partners, L.P.	DE	NIA	Company	Ownership	41 . 100	MMLIC	
0000			04-3722906		0001228752		Tower Square Capital Partners, L.P.	DE	NIA	C.M. Life Insurance Company	Ownership	0.600	MMLIC	
0000			04-3722906		0001228752		Tower Square Capital Partners, L.P.	DE	NIA	Babson Capital Management LLC	Management	0.000	MMLIC	
0000			04-3722906		0001228752		Tower Square Capital Partners, L.P.	DE	NIA	MassMutual Holding LLC	Ownership	6 . 200	MLIC	
0000			. 04 3/22300 .		. 10001220132		Tower Square Capital Faithers, E.F.			Massachusetts Mutual Life Insurance	Owner Strip	0.200		
0000			30-0336246		0001345379		Tower Square Capital Partners II, L.P	DE	NIA	Company	Ownership	22.400	MMLIC	
0000			30-0336246		0001345379		Tower Square Capital Partners II, L.P.	DE	NIA	C.M. Life Insurance Company	Ownership	4.000	MMLIC	
0000			30-0336246		0001345379		Tower Square Capital Partners II, L.P.	DE	NIA	Babson Capital Management LLC	Management	4.000	MMLIC	
0000			30-0336246		0001345379		Tower Square Capital Partners II, L.P.	DE	NIA	MassMutual Holding LLC	Ownership.	6.300	MMLIC	
							Total oqual oup turi united in, 2			Massachusetts Mutual Life Insurance				
0000			32-0160190				Tower Square Capital Partners II-A, L.P.	DE	NIA	Company	Ownership	76.800	MMLIC	
0000			32-0160190				Tower Square Capital Partners II-A, L.P.	DE	NIA	C.M. Life Insurance Company	Ownership	13.600	MMLIC	
0000			32-0160190				Tower Square Capital Partners II-A, L.P.	DE	NIA	Babson Capital Management LLC	Management		MMLIC	
0000			41-2280127		0001447547		Tower Square Capital Partners III, L.P	DE	NIA	Babson Capital Management LLC	Management		MMLIC	
0000			41-2280127		0001447547		Tower Square Capital Partners III, L.P	DE	NIA	MassMutual Holding LLC	Ownership.	5.300	MMLIC	
										Massachusetts Mutual Life Insurance				
0000			41-2280127		0001447547		Tower Square Capital Partners III, L.P	DE	NIA	Company	Ownership	16.400	MMLIC	
										Massachusetts Mutual Life Insurance	·			
0000			41-2280129	.	0001447548		Tower Square Capital Partners IIIA, L.P	DE	NIA	Company	Ownership	87.100	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	NI A	MassMutual Holding LLC	Ownership	60.700	MMLIC	
0000			. 80-0920367 .		0001598727		Tower Square Capital Partners IV-A, L.P	DE	NI A	Babson Capital Management LLC	Management		MMLIC	
0000			. 46-2104352 .				U.S. Trailer Holdings II LLC	DE	NIA	Babson Capital Management LLC	Influence		MMLIC	
0000			. 46-1500495 .				U.S. WIG Holding L.P.	DE	NIA	Babson Capital Management LLC	Influence		MMLIC	
0000							Vinacasa CLO, Ltd.	CYM	NIA	Babson Capital Management LLC	Influence	-	MMLIC	
0000							Whately CDO, Ltd.	CYM	NIA	Babson Capital Management LLC	Influence		MMLIC	
0000					0004001000			0.".		Massachusetts Mutual Life Insurance		75 000		
0000				1	0001324680		Winterset Capital Partners, L.P.	CYM	NIA	Company	Ownership	75.800	MLIC	
0000					0001324680		Winterset Capital Partners, L.P.	CYM CYM	NIA	C.M. Life Insurance Company	Ownership	2.400	MMLIC	
0000			46-3378584		0001324680		Winterset Capital Partners, L.P.	DE	NIA NIA	Babson Capital Management LLC	Management Influence		MMLIC	
0000			. 40-33/8584 .				WC Aircraft Holdings US II, LLC	UE	NIA	Babson Capital Management LLC	Inituence		WWLIG	
0000			20-4981369		0001371601		Wood Creek Multi Asset Fund, L.P.	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000	MMLIC	
0000			20-4981369		0001371601		Wood Creek Multi Asset Fund, L.P	DE	NIA	Babson Capital Management LLC	Management		MMLIC	
0000			. 20-4301309 .		10001371001		mood ofeek multi Asset Fullu, L.F.	∪⊏	NIA	Massachusetts Mutual Life Insurance	_ manayement			
0000			04-1590850		1	1	Wood Creek Venture Fund LLC	MA	NIA	Company	Ownership	60.000	MMLIC	
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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.S. or	Parent, Subsidiaries	Loca-	Reporting		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			45-4184261		0001547286		Baring All Country World ex US Equity	DE	NI A	Baring Asset Management Limited	Management		MMLIC	
										Massachusetts Mutual Life Insurance				
0000							Baring Emerging Market Corp Debt Fund	JRL	NIA	Company	Ownership	59.100		
0000							Baring Emerging Market Corp Debt Fund	JRL	NIA	Baring Asset Management Limited	Management		MMLTC	
0000			44 0700440				Denies Francis FAFF Fraid Food	DE	NILA	Massachusetts Mutual Life Insurance	O manuful:	44 000	104 10	
0000			. 11-3789446 .				Baring Focused EAFE Equity Fund	DE	NIA	Company	Ownership	. 14.300	MMLIC	
0000			. 11–3789446 .				Baring Focused EAFE Equity Fund	DE	NIA	Baring Asset Management Limited Massachusetts Mutual Life Insurance	Management		. MMLIC	
0000		1	. 30-0607379 .		0001497049		Baring Global Dynamic Asset Allocation	DE	MIA	Massachusetts Mutual Life Insurance Company	Ownership	50.400	MMLIC	
0000			. 30-000/3/9 .		0001497049		Baring Global Dynamic Asset Allocation	VE	NIA	- Company	Ownership		- INMILIO	
0000		1	30-0607379		0001497049		Fund	DE	NIA	Baring Asset Management Limited	Management		MMLIC	
0000		l	. 30-0607379 .		0001497049		Baring International Equity Fund	DE	NIA	Baring Asset Management Limited	Management	-	MMLIC	
		l	. 03-2003011 .		000 143 1402		Baring International Small Cap Equity Fund	UĽ	N I M	Massachusetts Mutual Life Insurance	- manayement		WINLIV	
0000		1	26-4142796				baring international onall cap Equity Fund	DE	NIA	Company	Ownership	100.000	MMLIC	
0000			20 4 142/30 .				Baring International Small Cap Equity Fund		NI /\	- Company	Owner Sirrp			
0000			26-4142796				barring international small cap Equity runu	DE	NIA	Baring Asset Management Limited	Management		MMLIC	
0000			46-1197222				Baring World Equity Fund	DE	NIA	Baring Asset Management Limited	Management		MMLIC	
			10 1107222				Multi-Employer Global Aggregate			But tilg 76660 management Etim ted	managomorre			
0000			. 26-1896226 .				Diversified Portfolio	DE	NIA	Baring Asset Management Limited	Management		MML1C	
			1000220				51101011104 101110110			Massachusetts Mutual Life Insurance	managomorra		mile 10	
0000			90-0728785				11 Fan Pier Boulevard Member LLC	DE	NIA	Company	Ownership	96.500	MMLIC	
							12-18 West 55th Street Predevelopment, LLC			Massachusetts Mutual Life Insurance				
0000			20-2548283					DE	NIA	Company	Ownership	88.200	IMMLIC	
							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 .				21 West 86 LLC	DE	NIA	C.M. Life Insurance Company	Ownership	4.800	. MMLIC	
		1								Massachusetts Mutual Life Insurance		1		
0000			80-0729557				50 Northern Avenue Member LLC	DE	NIA	Company	Ownership	96.600	MMLIC	
		1	45 05							Massachusetts Mutual Life Insurance				
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		1	00 4570545		0004000070		Dibina Hamadan Dirita Januaran 1	סר	NILA	Massachusetts Mutual Life Insurance	0	05 000	188 10	
0000			. 20-4570515 .		0001362970		Babson Mezzanine Realty Investors I	DE	NIA	Company	Ownership	35.800	MMLIC	
0000			20-4570515		0001362970 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	UE	NIA	Cornerstone Real Estate Advisers LLC Massachusetts Mutual Life Insurance	Management		NWLIC	
0000		1	24-1446970		0001362970		Babson Mezzanine Realty Investors II	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	71.000	MMLIC	
0000			24-1446970		0001362970		Babson Mezzanine Realty Investors II	DE	NIA NIA	Cornerstone Real Estate Advisers LLC	- Management		MMLIC	
0000			. 24-14409/0 .		0001302970		Danson Wezzainne nearly investors if	VE	A I VI	Massachusetts Mutual Life Insurance	- management.	-	INMILIO	
0000		1	. 04-1590850 .				CHC/RFP VI Core LLC	DE	NIA	Company	Ownership	100.000	MMLIC	
0000		l	. 06-1595820 .				Cornerstone Apartment Fund I, LLC	DE	NIA	Cornerstone Real Estate Advisers LLC	Influence.		MMLIC	
0000		l	20-5786329		0001386622		Cornerstone Apartment Venture III, LLC	DE	NIA NIA	Cornerstone Real Estate Advisers LLC	Influence		MMLIC	
0000			. 20 0100028 .		000 1000022		ournerstone apartment venture III, LLC		IVIA	Massachusetts Mutual Life Insurance	_ IIII IUGIICG		WINE IV	
0000		1	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 DE	NIA	Cornerstone Real Estate Advisers LLC	- Management		MMLIC	
0000		1		1	10001701100		corneratoric core mortigage Fully I Li		INIA	oomorotono nour Estate Auvisers LLU	- mai rayomori t	-	mm= + V	

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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)
0000			27-1701622		. 0001481752 .		Cornerstone Core Mortgage Venture LP	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	50.000	MMLIC
0000			27-1701622		. 0001481752 .		Cornerstone Core Mortgage Venture I LP	DE	NIA	Cornerstone Real Estate Advisers LLC	Management		MMLIC
0000			45-3751572		0001534877		Cornerstone Enhanced Mortgage Fund I LP	DE	NIA	Cornerstone Real Estate Advisers LLC	Ownership.	16.000	MMLIC
										Massachusetts Mutual Life Insurance			
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
										Massachusetts Mutual Life Insurance			
0000		-	20-8730751 . 20-8730751 .		-		Cornerstone Global Real Estate LP	DE	NIA NIA	Company	Ownership	7.600	MMLIC
0000		-	20-8730751				Cornerstone Global Real Estate LP	DE	NIA NIA	Cornerstone Real Estate Advisers LLC	Uwnersnip	/ .000	MMLIC
5000			. 20 0/30/31 .				Corner stone Grobal near Estate El		NI /\	Massachusetts Mutual Life Insurance	management		WILL TO
0000			36-4770946		0001590049		Cornerstone High Yield Venture LP	DE	NIA	Company	Ownership	49.800	MMLIC
0000			36-4770946		0001590049		Cornerstone High Yield Venture LP	DE	NIA	Cornerstone Real Estate Advisers LLC	Management		MMLIC
							-			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
0000			26-1528817		0001423638		Cornerstone Hotel Income and Equity Fund	DE	MILA	0	Management		MMLIC
0000			. 26-1528817 .		. 0001423638 .		(PF) LP	DE	NIA	Cornerstone Real Estate Advisers LLC Massachusetts Mutual Life Insurance	Management		MMLIC
0000			20-5567494				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
										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	NI A	C.M. Life Insurance Company	Ownership	6.000	MMLIC
										Massachusetts Mutual Life Insurance			
0000			27-2934589				CREA/Nexus Anaheim Corners Holdings LLC	DE	NIA	Company	Ownership	63.900	MMLIC
0000			20-0348173				CREA/PPC Venture LLC	DE	NIA	Massachusetts Mutual Life Insurance Company	Ownership	93.400	MMLIC
0000			20-0348173				CREA/PPC Venture LLC	DE	NIA	C.M. Life Insurance Company	Ownership	6.600	MMLIC
0000							One of the control of			Massachusetts Mutual Life Insurance			
0000		.	26-1611591	3956836			Fallon Cornerstone One MPD LLC	DE	NIA	Company	Ownership	63.100	MMLIC
0000			26-1611591	3956836			Fallon Cornerstone One MPD LLC	DE	NIA	C.M. Life Insurance Company	Ownership	6.200	MMLIC
1										Massachusetts Mutual Life İnsurance			
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
0000			46-3880526				Forringdon London Holdings 110	DE.	NII A	Massachusetts Mutual Life Insurance	Ownership	04 500	MMLIC
0000			46-3880526				Farringdon London Holdings LLCFarringdon London Holdings LLC	DE	NIA NIA	Company	Ownership	5.500	MMLIC
0000			0-0000020 .				ari mguon Lonuon norumga LLO	VE		Massachusetts Mutual Life Insurance	Owner Sill P		WILLIV
0000		1	11-3677334	l			Gallery Place Equity LLC	DE	NIA	Company	Ownership	50.000	MMLIC
			55// 557]				1		Massachusetts Mutual Life Insurance			
0000			46-1586427				Gracechurch London Holdings LLC	DE	NIA	Company	Ownership	96.000	MMLIC
0000			46-1586427				Gracechurch London Holdings LLC	DE	NIA	C.M. Life Insurance Company	Ownership.	4.000	MMLIC
										Massachusetts Mutual Life Insurance			
0000			20-8298948 .				Hanover Preferred Facility LLC	DE	NIA	Company	Ownership	45.000	MMLIC
0000		-	20-8298948				Hanover Preferred Facility LLC	DE	NIA	C.M. Life Insurance Company	Ownership	5.000	MMLIC
0000		.	20-8298948		.	1	Hanover Preferred Facility LLC	DE	NIA	Cornerstone Real Estate Advisers LLC	Management		MMLIC

		1 0							- 10	10.00111111111	12	10	1 44	
1	2	3	4	5	6	/	8	9	10	11	12	13	14	15
											Туре	_ 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)		Entity(ies)/Person(s)	*
Code	Group Name	Code	Number	กงงบ	CIN	mternational)	Of Affiliates	lion	⊏⊓ility		Other)	tage	Entity(les)/Person(s)	
										Massachusetts Mutual Life Insurance				
0000							Infinity SCD Ltd	GBR	NI A	Company	Ownership	4.200	MMLIC	
										Massachusetts Mutual Life Insurance				
0000			20-4819358 .				Johnston Groves LLC	DE	NIA	Company	Ownership	57.200	MMLIC	
										Massachusetts Mutual Life Insurance				
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	NI A	C.M. Life Insurance Company	Ownership	19.000	MMLIC	
								l		Massachusetts Mutual Life Insurance				
0000			46-4077059 .				MM Woodfield Martingale LLC	DE	NI A	Company	Ownership	80.400	MMLIC	
0000			46-4077059 .				MM Woodfield Martingale LLC	DE	NI A	C.M. Life Insurance Company	Ownership	19.600	MMLIC	
										Massachusetts Mutual Life Insurance				
0000			46-0808569				PO Parsippany Office Portfolio LLC	DE	NIA	Company	Ownership.	95.000	MMLIC	
0000			46-0808569				PO Parsippany Office Portfolio LLC	DE		C.M. Life Insurance Company	Ownership	5.000	MMLIC	
0000			40 0000000 .				To raisippany office for thorio ELO			Massachusetts Mutual Life Insurance	0#1161 3111 p			
0000			00 0740074				Diag Double of LLO	DE	NII A		0	100 000	188 10	
0000			30-0713071				Riva Portland LLC	DE	NIA	Company	Ownership	100.000	MML I C	
										Massachusetts Mutual Life Insurance				
0000			. 27-2977720 .				Sawgrass Village Shopping Center LLC	DE	NI A	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			46-0606690				Turnpike Executive Park LLC	DE	NIA	Company	Ownership	100.000	MMLIC	
										Massachusetts Mutual Life Insurance				
0000			35-2484550				Twenty Two Liberty LLC	MA	NIA	Company	Ownership	91.000	MMLIC	
0000			35-2484550					MA	NIA	C.M. Life Insurance Company		9.000	MMLIC	
0000			. 33-2484330 .				Twenty Two Liberty LLC	MA	NIA		Ownership	9.000	MML10	
										Massachusetts Mutual Life Insurance				
0000			45-4606547 .				UK LIW Manager LLC	DE	NI A	Company	Ownership	1.000	MMLIC	
										Massachusetts Mutual Life Insurance				
0000			45-4606547 .				UK LIW Member LLC	DE	NI A	Company	Ownership	100.000	MMLIC	
										Massachusetts Mutual Life Insurance				
0000			45-5401109				Washington Gateway Apartments Venture LLC .	DE	NIA	Company	Ownership	90.400	MMLIC	
0000			45-5401109				Washington Gateway Apartments Venture LLC	DE		C.M. Life Insurance Company	Ownership	4.800	MMLIC	
							gran and any input and the control of the contr			Massachusetts Mutual Life Insurance	·····			
0000			20-2970495 .				Waterford Development Associates	DE	NIA	Company	Ownership	90.000	MMLIC	
0000		-	20-23/0433 .				materioru peveropiilent ASSOCIATES	DE	N I W	Massachusetts Mutual Life Insurance	outlet 2111h		WINE IV	
0000			40 0400000				Walla Danaia IIIO	DE	NI -		0	00 000	188 10	
0000			46-3122029 .				WeHo Domain LLC	DE	NIA	Company	Ownership	86.000		
0000			46-3122029 .				WeHo Domain LLC	DE	NIA	C.M. Life Insurance Company	Ownership	14.000	MMLIC	
										Massachusetts Mutual Life Insurance				
0000			26-2384708 .				Wesley Chapel Theaters LLC	DE	NIA	Company	Ownership	90.000	MMLIC	
0000			26-2384708	l			Wesley Chapel Theaters LLC	DE	NIA	C.M. Life Insurance Company	Ownership	10.000	MMLIC	
			1				. ,			Massachusetts Mutual Life Insurance	,			
0000			20-5481477 .				Ygnatio Valley Funding	DE	NIA	Company	Ownership	90.000	MMLIC	
		-					MassMutual Barings Dynamic Allocation Fund		IVI/\	Massachusetts Mutual Life Insurance	o			
0000			4E 0400000			00	massmutual ballings byliamic Allocation Fund	MA	ALL A		O	E0 700	100 10	
0000			45-3168892 .			UQ		MA	NIA	Company	Ownership	53.700	MMLIC	
					l		[l		Massachusetts Mutual Life Insurance				
0000			04-3212054 .		0000927972	0Q	MassMutual Premier Balanced Fund	MA	NIA	Company	Ownership	3.800	MMLIC	
							MassMutual Premier Capital Appreciation			Massachusetts Mutual Life Insurance				
0000			51-0529336 .		0000927972	0Q	Fund	MA	NIA	Company	Ownership	10.700	MMLIC	
								1		Massachusetts Mutual Life Insurance				
0000			04-3277549		0000927972	00	MassMutual Premier Core Bond Fund	MA	NIA	Company	Ownership	1.900	MMLIC	
		. ,		,		1		1		1 T 'J		. ,		

						,	OF INSURANCE			10 001111 / 1111 0				
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		ciliary	to		Attorney-in-Fact,	Provide		
Group		Company	ID	Federal		(U.S. or		_oca-	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			. 04-3539084 .		0000927972	00	MassMutual Premier Disciplined Value Fund	MA	NIA	Company Massachusetts Mutual Life Insurance	Ownership	0.800	MMLIC	
0000			04-3520009 .		0000927972	00	MassMutual Premier High Yield Fund	.MA	NIA	Company	Ownership	17 . 400	MMLIC	!
0000			. 04 3320003 .		0000321312		MassMutual Premier Inflation-Protected and	IW/\		Massachusetts Mutual Life Insurance	owner sirrp	17.400	WINE TO	
0000			03-0532475		0000927972	00	Income Fund	_MA	NIA	Company	Ownership	10. 100		
							MassMutual Premier International Equity			Massachusetts Mutual Life Insurance	·			
0000			04-3212044 .		0000927972	OQ	Fund	_MA	NIA	Company	Ownership	3.600	MMLIC	
							MassMutual Premier Small/Mid Cap			Massachusetts Mutual Life Insurance				
0000			04-3224705 .		0000927972	00	Opportunities Fund	MA	NIA	Company	Ownership	9.800	MMLIC	
0000			00 0000054		0000007070	20	MassMutual Premier Strategic Emerging			Massachusetts Mutual Life Insurance		F0 400	188.10	
0000			26-3229251 .		0000927972	OQ	Markets Fund	MA	NIA	Company	Ownership	59.100	MMLIC	
0000			04-3277550		0000927972	00	MassMutual Premier Value Fund	.MA	NIA	Company	Ownership	6.000	MMLIC	
0000			04 02//000 _		0000321312		massimutuar rremiter varue runu	IN/		Massachusetts Mutual Life Insurance	- Owner Sirip	0.000	WILL TO	
0000			04-3556992		0000916053	00	MassMutual Select Blue Chip Growth Fund	MA	NIA	Company	Ownership	2.300	MMLIC	
										Massachusetts Mutual Life Insurance				
0000			01-0821120		0000916053	00	MassMutual Select Diversified Value Fund	_MA	NIA	Company	Ownership	0.600	MMLIC	
										Massachusetts Mutual Life Insurance				
0000			04-3512590 .		0000916053	00	MassMutual Select Focused Value Fund	MA	NIA	Company	Ownership	3.200	MMLIC	
										Massachusetts Mutual Life Insurance				
0000			04-3584138 .		0000916053	00	MassMutual Select Fundamental Value Fund MassMutual Select Growth Opportunities	MA	NIA	Company	Ownership	1.400	MMLIC	
0000			04-3512589		0000916053	00	Fund	MA	NIA	Company	Ownership	2.000	MMLIC	
0000			. 04-3312309 .		0000310033	Ou	runu	IWA	NIA	Massachusetts Mutual Life Insurance	Owner Sirrp	2.000	WILL TO	
0000			04-3513019		0000916053	00	MassMutual Select Large Cap Value Fund	MA	NIA	Company	Ownership	2. 100	MMLIC	
							MassMutual Select Mid Cap Growth Equity II			Massachusetts Mutual Life Insurance				
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	4.000	MMLIC	
0000			04 0557000		0000040050					Massachusetts Mutual Life Insurance		4 000	188.10	
0000			04-3557000 .		0000916053	04	MassMutual Select Overseas Fund	MA	NIA	Company	Ownership	4.000	MMLIC	
0000			04-3464205 .		0000916053	00	Fund	MA	NIA	Company	Ownership	2. 100	MLIC	
			. 04-0404200 .		00003 10003		MassMutual Select Small Company Value Fund		NIM	Massachusetts Mutual Life Insurance	Omilet 2111b	2. 100	WITHE TO	
0000			04-3584140 .	l	0000916053			.MA	NIA	Company	Ownership	1.400	MMLIC	
										Massachusetts Mutual Life Insurance			-	
0000			45-5349772 .		0000916053	OQ	MassMutual Select S&P Mid Cap Index Fund	MA	NIA	Company	Ownership	2.000	MMLIC	
							MassMutual Select Russell 2000 Small Cap			Massachusetts Mutual Life Insurance				
0000			45-5366542 .		0000916053	OQ	Index Fund	MA	NIA	Company	Ownership	1.700	MMLIC	
0000			45 5057407		0000040050	00	MassMutual Select MSCI EAFE International		ALL 4	Massachusetts Mutual Life Insurance	0	0.000	144 10	
0000			45-5357167		0000916053	👊	Index Fund	MA	NIA	Company Massachusetts Mutual Life Insurance	Ownership	0.900	MMLIC	
0000			26-2997893 .		0000067160		MML China Fund	MA	NIA	Massachusetts Mutual Life Insurance Company	Ownership	100.000		
0000					0000001 100 .		WINE OITHIA FUIIU		NIM	Massachusetts Mutual Life Insurance	Owner Strip		WITHE I V	
0000			27-1933828 .		0000916053		MassMutual RetireSMART 2015 Fund	.MA	NIA	Company	Ownership	3.400	MMLIC	
										Massachusetts Mutual Life Insurance				
0000			27-1933753 .		0000916053		MassMutual RetireSMART 2025 Fund	MA	NIA	Company	Ownership	1.500	MMLIC	
										Massachusetts Mutual Life Insurance	·			
0000			27-1932769		0000916053		MassMutual RetireSMART 2045 Fund	_MA	NIA	Company	Ownership	12.900	MMLIC	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
											Туре	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		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	,	Ŭ	, , , , , , , , , , , , , , , , , , , ,	
0000			. 46-3289207 .		0000916053		MassMutual RetireSMART 2055 Fund	MA	NIA	Company	Ownership	74.500	MMLIC	
										Massachusetts Mutual Life Insurance	·			
0000			. 03-0532464 .		0000916053		MassMutual RetireSMART In Retirement Fund .	MA	NIA	Company	Ownership	95.600	MMLIC	
0000							HarbourView CLO 2006-1 Limited	CYM	NIA	OppenheimerFunds, Inc.	Influence		MMLIC	
0000			45-3417590 .		0001530245		Oppenheimer Global High Yield Fund	DE		OppenheimerFunds, Inc.	Ownership	91.200	MMLIC	
										Massachusetts Mutual Life Insurance				
0000			46-1604428		0001562689		Oppenheimer Global Real Estate Fund	DE	NIA	Company	Ownership	55.200	MMLIC	
0000			46-1604428 .		0001562689		Oppenheimer Global Real Estate Fund	DE	NIA	C.M. Life Insurance Company	Ownership	4.500	MMLIC	
										Massachusetts Mutual Life Insurance				
0000			. 13-3867060 .		0001005728		Oppenheimer International Growth Fund	MA	NI A	Company	Ownership		MMLIC	
										Massachusetts Mutual Life Insurance				
0000			84-1073463 .		0001116894		Oppenheimer Main Street Fund	MA	NIA	Company	Ownership	1.700	MMLIC	
										Massachusetts Mutual Life Insurance				
0000			22-3849391 .		0001163166		Oppenheimer Real Estate Fund	MA	NIA	Company	Ownership	1.900	MMLIC	

Asterisk	Explanation
1 Massachusetts	Mutual Life Insurance Company owns 3.40% of the affiliated debt of Jefferies Finance LLC
2 Debt investors	s own 17% 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.
	s own 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 Partnership in	nvestors own 100% and include Massachusetts Mutual Life Insurance Company, C.M. Life Insurance Company, MassMutual Capital Partners LLC, Babson Loan Strategies Fund, L.P. and Winterset Capital Partners, L.P.
5Partnership in	nvestors own 99% and include Babson Credit Strategies Fund, L.P. and Babson Credit Strategies.
6 Fugu Credit PI	Ic owns 77% of the Fugu CLO B.V. assets
7 Debt investors	s own 10% and include Connecticut Valley Structured Credit CDO III, Ltd., Babson Capital Loan Strategies Fund, L.P., Babson CLO Ltd. 2006-II, Babson CLO Ltd. 2007-I, and Mid-Market CLO 2007-II
8 Debt investors	s own 10% and include Connecticut Valley Structured Credit CDO III, Ltd.1 and Babson Capital Loan Strategies Fund, L.P.
9 Debt investors	s own 30% 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	s own 8% and include Sapphire Valley, Babson Capital Loan Strategies Fund, L.P., Babson CLO Ltd. 2007-1, and Babson Mid-Market CLO Ltd. 2007-11
	s own 11% and include Connecticut Valley CLO Fund IV, Ltd. And Babson Capital Loan Strategies Fund, L.P.
	s own 60% and include Connecticut Valley Structured Credit CDO III, Ltd. and Connecticut Valley CLO Fund IV, Ltd.
13 Debt investors	s own less than 50% and include only Babson Capital Loan Strategies Fund, 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.

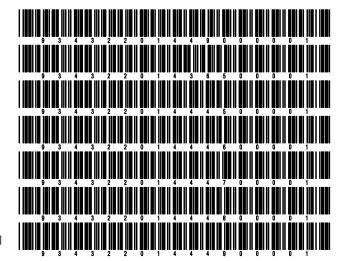
	-	Response
1.	Will the Trusteed Surplus Statement be filed with the state of domicile and the NAIC with this statement?	NO
2.	Will the Medicare Part D Coverage Supplement be filed with the state of domicile and the NAIC with this statement?	NO
3.	Will the Reasonableness of Assumptions Certification required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

Explanation:

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

Additional Write-ins for Liabilities Line 25

Addition	ai write-ins for Liabilities Line 25		
		1	2
		Current	December 31
		Statement Date	Prior Year
2504.	Funds awaiting escheat	1,435,314	1,264,975
2505.	Miscellaneous liabilities	138,845	142,322
2597.	Summary of remaining write-ins for Line 25 from overflow page	1,574,159	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		
	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	282,116	1,281,007
9.	Book/adjusted carrying value at the end of current period (Lines 1+2+3+4-5+6-7-8)	23,946,342	26,991,662
10.	Deduct total nonadmitted amounts		
11.	Statement value at end of current period (Line 9 minus Line 10)	23,946,342	26,991,662

SCHEDULE B - VERIFICATION

Mortgage Loans

		1	2
		V D	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	27,483,245	255,320,007
	2.2 Additional investment made after acquisition	2,254,979	6,022,993
3.	2.1 Actual cost at time of acquisition 2.2 Additional investment made after acquisition Capitalized deferred interest and other	48,471	39,946
4.	Accrual of discount	61,088	424 , 144
5.	Unrealized valuation increase (decrease)		
6.	Total gain (loss) on disposals	2,975	333,446
7.	Deduct amounts received on disposals	14,074,695	165,047,805
8.	Deduct amortization of premium and mortgage interest points and commitment fees	153,594	1, 195, 101
9.	Total foreign exchange change in book value/recorded investment excluding accrued interest	(1,131,012)	(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)	875,663,528	
12.	Total valuation allowance		(38,604)
13.	Subtotal (Line 11 plus Line 12)	875,663,528	861, 133, 468
14.	Deduct total nonadmitted amounts		
15.	Statement value at end of current period (Line 13 minus Line 14)	875,663,528	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	1,002,860	28,527,709
	2.2 Additional investment made after acquisition	8,603,753	52,221,472
3.	Capitalized deferred interest and other		
4.	Accrual of discount		
5.	Unrealized valuation increase (decrease)	5,555,612	20,017,205
6.	Total gain (loss) on disposals	1,303,120	
7.	Deduct amounts received on disposals	27, 141, 056	82,460,814
8.	Deduct amortization of premium and depreciation	1,868	7 , 132
9.	Deduct amortization of premium and depreciation	(6,564)	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)	245,854,340	256,538,483
12.	Deduct total nonadmitted amounts	5,985,982	6,436,964
13.	Statement value at end of current period (Line 11 minus Line 12)	239,868,358	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	291,369,023	1,385,261,934
3.	Accrual of discount		
4.	Unrealized valuation increase (decrease)	6,592,052	(3,342,030)
5.	Total gain (loss) on disposals		
6.	Deduct consideration for bonds and stocks disposed of		
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)		
11.	Deduct total nonadmitted amounts		
12.	Statement value at end of current period (Line 10 minus Line 11)	4,655,706,220	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

	During the Current Quarter for 1	2	3	4	5	6	7	8
	Book/Adjusted				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
BONDS								
1. NAIC 1 (a)		341,468,518	561,903,125	41,715,442	2,158,007,063			2,336,726,227
2. NAIC 2 (a)	2,172,207,238	587,367,501	751,312,800	(13,760,619)	1,994,501,321			2,172,207,238
3. NAIC 3 (a)	204,694,935	17,257,345	29,386,927	8,313,811	200,879,165			204,694,935
4. NAIC 4 (a)	178,897,780	29,558,647	26,611,537	(1,746,511)	180,098,379			178,897,780
5. NAIC 5 (a)	23,747,610	6,200,297	7, 194, 082	(340,083)	22,413,741			23,747,610
6. NAIC 6 (a)	25,212,951	4,571,701	5,520,853	1,854,398	26,118,196			25,212,951
7. Total Bonds	4,941,486,741	986,424,010	1,381,929,323	36,036,438	4,582,017,865			4,941,486,741
PREFERRED STOCK								
8. NAIC 1	12,611,746	275,000			12,886,746			12,611,746
9. NAIC 2	5,178,635				5, 178, 635			5, 178, 635
10. NAIC 3	6,204,530				6,204,530			6,204,530
11. NAIC 4	1,924,074			129,716	2,053,790			1,924,074
12. NAIC 5				(13,550)	505,325			518,875
13. NAIC 6	70,965			(10,977)	59,988			70,965
14. Total Preferred Stock	26,508,825	275,000		105,188	26,889,013			26,508,825
15. Total Bonds and Preferred Stock	4,967,995,566	986,699,010	1,381,929,323	36,141,627	4,608,906,878			4,967,995,566

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

SCHEDULE DA - PART 1

Short-Term Investments

	1 Book/Adjusted	2	3	4 Interest Collected	5 Paid for Accrued Interest
	Carrying Value	Par Value	Actual Cost	Year-to-Date	Year-to-Date
9199999 Totals	22,473,907	XXX	22,406,572		

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	25,962,659	227,784,618
3.	Accrual of discount	50,668	425,436
4.	Unrealized valuation increase (decrease)		
5.	Total gain (loss) on disposals	793	6,562
6.	Deduct consideration received on disposals	84,497,436	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)	22,473,907	80,957,223
11.	Deduct total nonadmitted amounts		
12.	Statement value at end of current period (Line 10 minus Line 11)	22,473,907	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)	(10,026,789)
4.	Total gain (loss) on termination recognized	(13,900,746)
5.	Considerations received/(paid) on terminations	921,494
6.	Amortization	1,744
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)	(1,801,186)
10.	Deduct nonadmitted assets	
11.	Statement value at end of current period (Line 9 minus Line 10)	(1,801,186)

	SCHEDULE DB - PAR Futures Co		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 - 0	Cumulative Cash Char	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	6,903,310			
	3.14 Section 1, Column 18, prior year	(12,556,033)	19,459,343	19,459,343	
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	6,903,310			
	3.24 Section 1, Column 19, prior year	(12,556,033)	19,459,343	19,459,343	
3.3	Subtotal (Line 3.1 minus Line 3.2)				
4.1	Cumulative variation margin on terminated contracts during the year		18 , 157 , 185		
4.2	Less:				
	4.21 Amount used to adjust basis of hedged item				
	4.22 Amount recognized	30,713,218	30,713,218		
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

					нерпсан	on (Syntheti	c Asset) Tra	Insactions Open as of C	Surrent Statemen						
			thetic Asset) Trai			-	1 0	B : ::	1 1 1/10		of the Repl	cation (Synthetic Asset) Transa			
1	2	3	4	5	6	/	8		Instrument(s) Oper				Instrument(s) Held		
		NAIC Designation or Other	Notional	Book/Adjusted Carrying		Effective	Maturity	9	10 Book/Adjusted Carrying	11	12	13	14 NAIC Designation or Other	15 Book/Adjusted Carrying	16
Number	Description	Description	Amount	Value	Fair Value	Date	Date	Description	Value	Fair Value	CUSIP	Description	Description	Value	Fair Value
361448A@2	GATX Financial	2	1,650,000	1,760,277	1.935.736	03/22/2010	06/20/2015	Swap/CDS Long	18.385	18.385	92978N-AE-4	Wachovia Bank Commercial Mortgage Trust/Series 2007-C33 Class A4 REID	1	1.741.892	1,917,35
												ML-CFC Commercial Mortgage			
361448A@2	GATX Financial	2		248 , 462	269 , 157	03/22/2010	06/20/2015	Swap/CDS Long			55312V-AD-0	Trust/Series 2006-4 Class A3 REID J P Morgan Chase Coml Mtg Sec/Series 2006-CB17 Class A4 REID	1	248,462	269, 15
755111D*9	Raytheon Co.	1	1,650,000	1,712,048	1,856,267	03/22/2010	06/20/2015	Swap/CDS Long	18,980	18,980	46630E-AC-4		1	1,693,068	1,837,28
755111D*9	Raytheon Co.	1		199.537	208.851	03/22/2010	06/20/2015	Swap/CDS Long			36828Q-PW-0	GE Capital Commercial Mortgage/Series 2005-C3 Class A7A REID	1	199,537	208,85
	.,							,,				Commercial Mtg Pass Thru			, .
361448A#0	GATX Financial	2	1.650.000	1.568.613	1 750 201	03/22/2010	06/20/2015	Swap/CDS Long	18.385	10 205	20047R-AE-3	Certs/Series 2007-C9 Class A4 REID	1	1.550.228	1.740.99
			1,050,000	, ,	,,			,	10,363	10,363		Salomon Brothers Mortgage Securities VII Inc./Series 2001-MM		, , ,	, , , , , ,
361448A#0	GATX Financial	2		280,638	329,976	03/22/2010	06/20/2015	Swap/CDS Long			79549A-GG-8	Class E8 REID	1	280,638	329,970
755111D07	Raytheon Co.	1	1,650,000	1,539,710	1,676,731	03/22/2010	06/20/2015	Swap/CDS Long	19,360	19,360	07388V-AE-8	Sec/Series 2007-T26 Class A4 REID	1	1,520,350	1,657,37
												Bear Stearns Coml Mortgage Sec/Series 2007-PW18 Class A4 REID			
755111D07	Raytheon Co.	1		298,971	336,675	03/22/2010	06/20/2015	Swap/CDS Long			07401D-BC-4		1	298,971	336,67
755111D07	Raytheon Co.	1		250.000	273 758	03/22/2010	06/20/2015	Swap/CDS Long			942749-A#-9	Watts Water Technologies Inc./Senior Note	1	250.000	273,75
	,			,	.,							Bear Stearns Coml Mortgage Sec/Series 2007-PW17 Class A4 REID	'	,	
666807C*1	Northrop Grumman	2	1,650,000	1,571,527	1,753,125	03/22/2010	06/20/2015	Swap/CDS Long	19,492	19,492	07388Q-AE-9	Merrill Lynch Mortgage Trust/Series	1	1,552,035	1,733,63
666807C*1	Northrop Grumman	2		348,804	371,379	03/22/2010	06/20/2015	Swap/CDS Long			59022H-NC-2	2005-LC1 Class A4 REID	1	348,804	371,37
				,				,				LB-UBS Commercial Mortgage Trust/Series 2005-C7 Class A4 REID		,	,
666807009	Northrop Grumman	2	1,500,000	1,418,079	1,480,482	03/22/2010	06/20/2015	Swap/CDS Long	17,720	17,720	52108M-AF-0		1	1,400,359	1,462,76
6668070@9	Northrop Grumman	2		348.804	271 270	03/22/2010	06/20/2015	Swap/CDS Long			59022H-NC-2	Merrill Lynch Mortgage Trust/Series 2005-LC1 Class A4 REID	1	348.804	371,37
000007083	Not throp draiman	2		,		00/ 22/ 2010	00/20/2010	Owap/ obo Long			3302211 NO 2	Watts Water Technologies		,	
666807009	Northrop Grumman	2		250,000	273,758	03/22/2010	06/20/2015	Swap/CDS Long			942749-A#-9	. Inc./Senior Note	1	250,000	273,75
												ML-CFC Commercial Mortgage Trust 2007-7/Series 2007-7 Class A4 REID			
755111D#5	Raytheon Co.	1	1,500,000	1,318,634	1,455,612	03/22/2010	06/20/2015	Swap/CDS Long	17,600	17,600	55313K-AE-1		1	1,301,034	1,438,01
755111D#5	Raytheon Co.	1		447 . 180	470 120	03/22/2010	06/20/2015	Swap/CDS Long			07387B-AH-6	Bear Stearns Coml Mortgage Sec/Series 2005-PWR9 CL A4A REID	1	447.180	470, 13
700111010	inay theori ou.			, 100		00, 22, 2010	00, 20, 20 10	Onup/ 600 Long			01001D NII-0	Bear Stearns Coml Mortgage	'		
009158F#8	Air Products	1	1.500.000	966.910	1, 108 . 323	03/22/2010	06/20/2015	Swap/CDS Long	17.021	17.021	07388P-AG-6	Sec/Series 2006-PW14 Class AM REID	1	949.889	1,091,30
				,					, , ,	, , ,		TIAA Seasoned Commercial Mortgage Trust 2007-C4/Series 2007-C4 Class			
009158F#8	Air Products	. 1		793,030	850,902	03/22/2010	06/20/2015	Swap/CDS Long			87246A-AE-8	AJ REID	1	793,030	850,90
418056B*7	Hasbro Inc.	2	700,000	909,323		03/22/2010	06/20/2015	Swap/CDS Long	7,249		05952A-AE-4	Inc./Series 2008-1 Class A4 REID	1	902,074	1,024,06
9999999 - To	tals			16,230,547	17,812,932	XXX	XXX	XXX	154, 192	154, 192	XXX	XXX	XXX	16,076,355	17,658,74

SCHEDULE DB - PART C - SECTION 2

Replication (Synthetic Asset) Transactions Open

				Cyntholio 71000t/ 11a						
	First C	Quarter	Second	Quarter	Third (Quarter	Fourth	Quarter	Year T	o Date
	1	2	3	4	5	6	7	8	9	10
	Number of	Total Replication (Synthetic Asset) Transactions								
	Positions	Statement Value								
Beginning Inventory	9	13,450,000							9	13,450,000
Add: Opened or Acquired Transactions										
Add: Increases in Replication (Synthetic Asset) Transactions Statement Value	XXX									
Less: Closed or Disposed of Transactions										
Less: Positions Disposed of for Failing Effectiveness Criteria										
Less: Decreases in Replication (Synthetic Asset) Transactions Statement Value	xxx									
7. Ending Inventory	9	13,450,000							9	13,450,000

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.	(1,801,186)	
2.	Part B, Section 1, Column 15 plus Part B, Section 1 Footnote - Total Ending Cash Balance		
3.	Total (Line 1 plus Line 2)		(1,801,186)
4.	Part D, Section 1, Column 5	387,160,377	
5.	Part D, Section 1, Column 6	(388,961,563)	
6.	Total (Line 3 minus Line 4 minus Line 5)	<u></u>	
		Fair Value Che	eck
7.	Part A, Section 1, Column 16	(1,801,186)	
8.	Part B, Section 1, Column 13		
9.	Total (Line 7 plus Line 8)		(1,801,186)
10.	Part D, Section 1, Column 8	387,160,377	
11.	Part D, Section 1, Column 9	(388,961,563)	
12	Total (Line 9 minus Line 10 minus Line 11)		
		Potential Exposure	Check
13.	Part A, Section 1, Column 21	173,721,503	
14.	Part B, Section 1, Column 20	14, 190, 125	
15.	Part D, Section 1, Column 11	187,911,628	
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	669,761,771	5,421,751,262
3.	Accrual of discount	83,942	751,207
4.	Unrealized valuation increase (decrease)		
5.	Total gain (loss) on disposals	557	992
6.	Deduct consideration received on disposals	694,035,272	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)	141,228,590	165,417,592
11.	Deduct total nonadmitted amounts		
12.	Statement value at end of current period (Line 10 minus Line 11)	141,228,590	165,417,592