

MASSMUTUAL CORPORATE INVESTORS

Form NSAR-B

February 26, 2010

PAGE 1
000 B000000 12/31/2009
000 C000000 0000275694
000 D000000 N
000 E000000 NF
000 F000000 Y
000 G000000 N
000 H000000 N
000 I000000 6.1
000 J000000 A
001 A000000 MASSMUTUAL CORPORATE INVESTORS
001 B000000 811-2183
001 C000000 4132261000
002 A000000 1500 MAIN STREET, P.O. BOX 15189
002 B000000 SPRINGFIELD
002 C000000 MA
002 D010000 01115
002 D020000 5189
003 000000 N
004 000000 N
005 000000 N
006 000000 N
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007 C010500 5
007 C010600 6
007 C010700 7
007 C010800 8
007 C010900 9
007 C011000 10
008 A000001 BABSON CAPITAL MANAGEMENT LLC
008 B000001 A
008 C000001 801-241
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008 D020001 MA
008 D030001 01115
008 D040001 5189
012 A000001 SHAREHOLDER FINANCIAL SERVICES, INC.
012 B000001 84-1817
012 C010001 CENTENNIAL
012 C020001 CO
012 C030001 80112
013 A000001 KPMG LLP
013 B010001 BOSTON
013 B020001 MA
013 B030001 02110
013 B040001 2371
014 A000001 BABSON CAPITAL SECURITIES INC
PAGE 2
014 B000001 8-47589
014 A000002 MML INVESTOR SERVICES, INC.
014 B000002 8-27250
014 A000003 OPPENHEIMER DISTRIBUTOR, INC.
014 B000003 8-22992
014 A000004 MML DISTRIBUTORS, LLC

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014 B000004 8-48203
015 A000001 CITIBANK, N.A.
015 B000001 C
015 C010001 NEW YORK
015 C020001 NY
015 C030001 10043
015 E010001 X
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019 A000000 Y
019 B000000 2
019 C000000 CIPIINVEST
020 A000001 ALLEN & CO.
020 B000001 13-4132953
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020 A000002 FIRST BOSTON CORP.
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020 C000002 3
020 A000003 JP MORGAN CHASE
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022 A000001 BA SECURITIES INC
022 B000001 23-3069627
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022 A000002 JP MORGAN CHASE
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022 C000002 19838
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022 A000003 GOLDMAN, SACHS & CO
022 B000003 13-5108880
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022 A000004 BARCLAYS CAPITAL INC.
022 C000004 19187
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022 A000005 CITIGROUP
022 B000005 13-3214963
PAGE 3
022 C000005 11833
022 D000005 586
022 A000006 FIRST BOSTON CORP
022 B000006 13-5659485
022 C000006 10788
022 D000006 1674
022 A000007 SUNTRUST CAPITAL MARKET
022 C000007 7219
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022 A000008 WACHOVIA SECURITIES LLC
022 B000008 34-1542819
022 C000008 1739
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022 A000009 WEXLER VIDEO LLC
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 PAGE 8
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080	B000000	NONE
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086 A020000 1138
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086 C010000 0
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087 A010000 COMMON SHARES
087 A020000 576292106
087 A030000 MCI
088 A000000 Y
088 B000000 N
088 C000000 N
088 D000000 Y
SIGNATURE JAMES M. ROY
TITLE V.P. AND C.F.O.

EXHIBIT INDEX TO FORM N-SAR
OF MASSMUTUAL CORPORATE INVESTORS
FOR ANNUAL PERIOD ENDED DECEMBER 31, 2009

EXHIBIT NO.	DESCRIPTION
77B	Accountant's Report on Internal Controls
770	Transactions Effected Pursuant to Rule 10f-3
77Q2	Information Called for by Item 405 of Regulation S-K