

MASSMUTUAL CORPORATE INVESTORS

Form NSAR-B

March 01, 2011

PAGE 1
000 B000000 12/31/2010
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 C010300 3
007 C010400 4
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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
008 D010001 SPRINGFIELD
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 LLC
PAGE 2
014 B000001 8-47589
014 A000002 MML INVESTOR SERVICES, LLC
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
 018 000000 Y
 019 A000000 Y
 019 B000000 2
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 020 A000001 BASS TRADING LLC
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 020 A000002 WEEDON & CO
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 022 B000001 23-3069627
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 022 B000002 13-4994650
 022 C000002 42984
 022 D000002 5637
 022 A000003 GOLDMAN, SACHS & CO
 022 B000003 13-5108880
 022 C000003 36432
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 022 A000004 BARCLAYS CAPITAL INC.
 022 C000004 47740
 022 D000004 9803
 022 A000005 CITIGROUP
 022 B000005 13-3214963
 022 C000005 30638
 022 D000005 1926
 022 A000006 FIRST BOSTON CORP
 022 B000006 13-5659485
 PAGE 3
 022 C000006 7162
 022 D000006 3436
 022 A000007 SUNTRUST CAPITAL MARKET
 022 C000007 24497
 022 D000007 0
 022 A000008 WACHOVIA SECURITIES LLC
 022 B000008 34-1542819
 022 C000008 29236
 022 D000008 3699
 022 A000009 MORGAN, STANLEY & CO.
 022 C000009 14449
 022 D000009 3587
 022 A000010 DEUTSCHE BANK CAPITAL CORP.
 022 B000010 13-2730828
 022 C000010 12351
 022 D000010 6089

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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, 2010

EXHIBIT NO.	DESCRIPTION
77B	Accountant's Report on Internal Controls
770	Transactions Effected Pursuant to Rule 10f-3