

MASSMUTUAL CORPORATE INVESTORS

Form NSAR-B

March 01, 2006

PAGE 1
000 B000000 12/31/2005
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, SUITE 600
002 B000000 SPRINGFIELD
002 C000000 MA
002 D010000 01115
002 D020000 0001
003 000000 N
004 000000 N
005 000000 N
006 000000 N
007 A000000 N
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007 C010200 2
007 C010300 3
007 C010400 4
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
008 D010001 SPRINGFIELD
008 D020001 MA
008 D030001 01115
008 D040001 0001
012 A000001 SHAREHOLDER FINANCIAL SERVICES, INC.
012 B000001 84-1817
012 C010001 DENVER
012 C020001 CO
012 C030001 80217
012 C040001 3673
013 A000001 KPMG LLP
013 B010001 BOSTON
013 B020001 MA
013 B030001 02110
013 B040001 2371
PAGE 2
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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018 000000 Y
019 A000000 Y
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019 C000000 CIPIINVEST
020 A000001 LAZARD FRERES AND CO
020 B000001 13-5545100
020 C000001 5
020 A000002 ALLEN & CO
020 B000002 13-4132953
020 C000002 4
020 A000003 GOLDMAN, SACHS & CO
020 B000003 13-5108880
020 C000003 1
020 A000004 MERRILL, LYNCH ET AL
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020 A000005 FIRST BOSTON CORP
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020 A000006 SOUTHCOAST CAPITAL CORP
020 B000006 72-1164960
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020 A000007 SALOMON SMITH BARNEY HOLD INC
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020 A000009 J.P. MORGAN
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022 A000003 MERRILL, LYNCH ET AL
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PAGE 3
022 C000003 115336
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022 A000004 FIRST BOSTON CORP
022 B000004 13-5659485
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022 A000005 SHEARSON LEHMAN AMERICAN EXPRESS
022 B000005 13-2518466
022 C000005 61522
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022 A000006 SALOMON SMITH BARNEY HOLD INC
022 B000006 11-2418191
022 C000006 42307
022 D000006 1712
022 A000007 KBC FINANCIAL SERVICES
022 B000007 13-4035459

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054 B000000 Y
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PAGE 6
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072	X000000		5769

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080	C000000	1275
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087	A020000		576292106
087	A030000	MCI	
088	A000000	Y	
088	B000000	N	
088	C000000	N	
088	D000000	N	
SIGNATURE	CHARLES C. MCCOBB, JR.		
TITLE	V.P. AND C.F.O.		

EXHIBIT INDEX TO FORM N-SAR
OF MASSMUTUAL PARTICIPATION INVESTORS
FOR ANNUAL PERIOD ENDED DECEMBER 31, 2005

EXHIBIT NO.	DESCRIPTION
77B	Accountant's Report on Internal Controls
77E	Legal Proceedings
77Q2	Information Called For by Item 405 of Regulation S-K