

MASSMUTUAL CORPORATE INVESTORS

Form NSAR-A

August 30, 2004

PAGE 1
000 A000000 06/30/2004
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
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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
007 B000000 0
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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
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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
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 020 A000001 LAZARD FRERES AND CO.
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 020 A000003 ALLEN & CO.
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 020 A000005 SPEAR LEADS MFN
 020 B000005 13-2730828
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 020 A000006 J.P. MORGAN CHASE
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 020 A000007 CHARLES SCHWAB
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 020 A000008 MERRILL, LYNCH ET AL
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 PAGE 3
 022 C000003 42580
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 022 A000004 SHEARSON LEHMAN AMER EXP
 022 B000004 13-2518466
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 022 A000005 FIRST CHICAGO CAPITAL MKT
 022 B000005 36-3595942
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 022 B000006 13-5659485
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 022 A000007 JEFFERIES & CO., INC.
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| 022 | C000007 | 7013 |
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PAGE 4

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| 070 | D020000 | N | |
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| 072BB | 000000 | | 5276 |
| 072CC | 010000 | | 311 |
| 072CC | 020000 | | 0 |

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| 072EE000000 | 0 |
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| 086 C020000 | 0 |
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| 086 D020000 | 0 |
| 086 E010000 | 0 |
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086 F010000 0
086 F020000 0
087 A010000 COMMON SHARES
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 CORPORATE INVESTORS
FOR SEMI-ANNUAL PERIOD ENDED JUNE 30, 2004

| EXHIBIT NO. | DESCRIPTION |
|-------------|-------------------|
| 77E | Legal Proceedings |