

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  
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005 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  
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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 020 A000001 LAZARD FRERES AND CO.  
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 020 B000004 22-2347336  
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 020 B000005 13-2730828  
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 020 A000006 J.P. MORGAN CHASE  
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 022 A000005 FIRST CHICAGO CAPITAL MKT  
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 022 B000006 13-5659485  
 022 C000006 15010  
 022 D000006 2997  
 022 A000007 JEFFERIES & CO., INC.  
 022 B000007 94-1737782

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 054 J000000 Y  
 054 K000000 N  
 054 L000000 N  
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 070 E020000 N

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| 086 D020000 | 0       |
| 086 E010000 | 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 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 |