

MASSMUTUAL CORPORATE INVESTORS

Form NSAR-A

August 29, 2007

PAGE 1
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000 F000000 Y
000 G000000 N
000 H000000 N
000 I000000 6.1
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007 C010600 6
007 C010700 7
007 C010800 8
007 C010900 9
007 C011000 10
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012 A000001 SHAREHOLDER FINANCIAL SERVICES, INC.
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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
014 A000001 BABSON CAPITAL SECURITIES INC
014 B000001 8-47589
015 A000001 CITIBANK, N.A.
015 B000001 C
015 C010001 NEW YORK
015 C020001 NY

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019 A000000 Y
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020 A000003 SALOMON SMITH BARNEY HOLD INC
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020 A000004 WACHOVIA SECURITIES LLC
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020 A000008 LEHMAN BROTHERS, INC.
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020 A000010 PIPER, JAFFRAY INC
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PAGE 3
022 A000003 FIRST BOSTON CORP
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022 A000006 LEHMAN BROTHERS, INC.
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022 A000007 MERRILL, LYNCH, PIERCE, FENNER & SMITH, INC.
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022 C000007 22784
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022 A000008 HKW & COMPANY
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086 E010000 0
086 E020000 0
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 JAMES M. ROY
TITLE V.P. AND C.F.O.

EXHIBIT INDEX TO FORM N-SAR
OF MASSMUTUAL CORPORATE INVESTORS
FOR SEMI-ANNUAL PERIOD ENDED JUNE 30, 2007

| EXHIBIT NO. | DESCRIPTION |
|-------------|--|
| 770 | Transactions Effected Pursuant to Rule 10f-3 |