

MASSMUTUAL CORPORATE INVESTORS

Form NSAR-A

August 26, 2005

PAGE 1  
000 A000000 06/30/2005  
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  
007 B000000 0  
007 C010100 1  
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  
019 B000000 2  
019 C000000 CIPIINVEST  
020 A000001 LAZARD LTD.  
020 B000001 98-0437848  
020 C000001 1  
020 A000002 GOLDMAN, SACHS & CO.  
020 B000002 13-5108880  
020 C000002 1  
020 A000003 MERRILL, LYNCH ET AL  
020 B000003 13-5674085  
020 C000003 1  
020 A000004 SOUTHCOAST CAPITAL CORP.  
020 B000004 72-1164960  
020 C000004 1  
020 A000005 FIRST BOSTON CORP.  
020 B000005 13-5659485  
020 C000005 1  
020 A000006 SOLOMON SMITH BARNEY HOLD INC.  
020 B000006 11-2418191  
020 C000006 0  
020 A000007 STATE STREET BANK  
020 B000007 04-1867446  
020 C000007 0  
020 A000008 J.P. MORGAN CHASE  
020 B000008 13-4994650  
020 C000008 0  
020 A000009 BEAR, STEARNS & CO.  
020 B000009 13-3299429  
020 C000009 0  
020 A000010 KNIGHT SECURITIES  
020 B000010 22-3660471  
020 C000010 0  
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022 A000001 JP MORGAN CHASE  
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022 B000003 13-5674085  
PAGE 3  
022 C000003 50283  
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022 A000004 SHEARSON LEHMAN AMER EXP  
022 B000004 13-2518466  
022 C000004 34894  
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022 A000005 SALOMON SMITH BARNEY HOLD INC.  
022 B000005 11-2418191  
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022 A000006 FIRST BOSTON CORP.  
022 B000006 13-5659485  
022 C000006 32645  
022 D000006 1603  
022 A000007 KBC FINANCIAL SERVICES  
022 B000007 13-4035459

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| 022 | C000007 | 224                         |
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| 022 | A000008 | DEUTSCHE BANK CAPITAL CORP. |
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| 022 | D000010 | 533                         |
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| 023 | D000000 | 19654                       |
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| 025 | A000001 | LAZARD GROUP LLC            |
| 025 | B000001 | 51-0278097                  |
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| 025 | D000001 | 757                         |
| 025 | A000002 | LAZARD LTD.                 |
| 025 | B000002 | 98-0437848                  |
| 025 | C000002 | E                           |
| 025 | D000002 | 923                         |
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| 028 | E030000 | 0                           |
| 028 | E040000 | 0                           |
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| 028 | F040000 | 0     |
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| 028 | G040000 | 0     |
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| 053 | A000000 | Y     |
| 053 | B000000 | N     |
| 053 | C000000 | N     |

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054 A000000 Y  
 054 B000000 Y  
 054 C000000 Y  
 054 D000000 N  
 054 E000000 N  
 054 F000000 N  
 054 G000000 Y  
 054 H000000 Y  
 054 I000000 N  
 054 J000000 Y  
 054 K000000 N  
 054 L000000 N  
 054 M000000 Y  
 054 N000000 N  
 054 O000000 Y  
     PAGE 6  
 055 A000000 N  
 055 B000000 Y  
 056 000000 Y  
 057 000000 N  
 058 A000000 N  
 059 000000 Y  
 060 A000000 Y  
 060 B000000 Y  
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 062 J000000 0.0  
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 066 B000000 N  
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 067 000000 N  
 068 A000000 N  
 068 B000000 N  
 069 000000 N  
 070 A010000 Y  
 070 A020000 N  
 070 B010000 Y

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|-----|---------|-------|--------|
| 070 | B020000 | Y     |        |
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| 070 | C020000 | N     |        |
| 070 | D010000 | N     |        |
| 070 | D020000 | N     |        |
|     | PAGE    | 7     |        |
| 070 | E010000 | N     |        |
| 070 | E020000 | N     |        |
| 070 | F010000 | N     |        |
| 070 | F020000 | N     |        |
| 070 | G010000 | N     |        |
| 070 | G020000 | N     |        |
| 070 | H010000 | N     |        |
| 070 | H020000 | N     |        |
| 070 | I010000 | N     |        |
| 070 | I020000 | N     |        |
| 070 | J010000 | Y     |        |
| 070 | J020000 | Y     |        |
| 070 | K010000 | N     |        |
| 070 | K020000 | N     |        |
| 070 | L010000 | Y     |        |
| 070 | L020000 | Y     |        |
| 070 | M010000 | N     |        |
| 070 | M020000 | N     |        |
| 070 | N010000 | N     |        |
| 070 | N020000 | N     |        |
| 070 | O010000 | Y     |        |
| 070 | O020000 | Y     |        |
| 070 | P010000 | N     |        |
| 070 | P020000 | N     |        |
| 070 | Q010000 | N     |        |
| 070 | Q020000 | N     |        |
| 070 | R010000 | N     |        |
| 070 | R020000 | N     |        |
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| 071 | B000000 |       | 61705  |
| 071 | C000000 |       | 239440 |
| 071 | D000000 | 18    |        |
| 072 | A000000 | 6     |        |
| 072 | B000000 | 11079 |        |
| 072 | C000000 | 246   |        |
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| 072 | S000000 | 150   |        |
|     | PAGE    | 8     |        |
| 072 | T000000 | 0     |        |
| 072 | U000000 | 0     |        |
| 072 | V000000 | 0     |        |
| 072 | W000000 | 39    |        |

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|             |         |
|-------------|---------|
| 072 X000000 | 2891    |
| 072 Y000000 | 0       |
| 072 Z000000 | 8434    |
| 072AA000000 | 10538   |
| 072BB000000 | 2611    |
| 072CC010000 | 1003    |
| 072CC020000 | 0       |
| 072DD010000 | 1349    |
| 072DD020000 | 0       |
| 072EE000000 | 0       |
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| 073 B000000 | 0.0000  |
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| 074 B000000 | 0       |
| 074 C000000 | 16646   |
| 074 D000000 | 187400  |
| 074 E000000 | 11060   |
| 074 F000000 | 29415   |
| 074 G000000 | 0       |
| 074 H000000 | 0       |
| 074 I000000 | 9348    |
| 074 J000000 | 3149    |
| 074 K000000 | 0       |
| 074 L000000 | 4890    |
| 074 M000000 | 13      |
| 074 N000000 | 264978  |
| 074 O000000 | 938     |
| 074 P000000 | 853     |
| 074 Q000000 | 29000   |
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| 074 R030000 | 0       |
| 074 R040000 | 1113    |
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| 074 T000000 | 233074  |
| 074 U010000 | 9028531 |
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| 074 X000000 | 10481   |
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| 075 A000000 | 0       |
| 075 B000000 | 224160  |
| 076 000000  | 29.99   |
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| 077 A000000 | Y       |
| 077 E000000 | Y       |
| 077 O000000 | Y       |
| 077 Q010000 | Y       |
| 077 Q020000 | N       |
| 077 Q030000 | N       |
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| 081 B000000 | 0       |
| 082 B000000 | 0       |
| 083 B000000 | 0       |
| 084 B000000 | 0       |
| 086 A010000 | 50      |
| 086 A020000 | 1349    |

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| 086       | B010000                | 0             |
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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 | 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, 2005

| EXHIBIT NO. | DESCRIPTION                                     |
|-------------|-------------------------------------------------|
| 77E         | Legal Proceedings                               |
| 770         | Transactions Effected Pursuant to Rule 10f-3    |
| 77Q1(a)     | Material Amendments to the Registrant's By-laws |