

MASSMUTUAL CORPORATE INVESTORS

Form NSAR-B

February 28, 2007

PAGE 1  
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000 F000000 Y  
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000 H000000 N  
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001 B000000 811-2183  
001 C000000 4132261000  
002 A000000 1500 MAIN STREET, SUITE 600  
002 B000000 SPRINGFIELD  
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007 C010700 7  
007 C010800 8  
007 C010900 9  
007 C011000 10  
008 A000001 BABSON CAPITAL MANAGEMENT LLC  
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008 D030001 01115  
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012 A000001 SHAREHOLDER FINANCIAL SERVICES, INC.  
012 B000001 84-1817  
012 C010001 DENVER  
012 C020001 CO  
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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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020 A000001 ALLEN & COMPANY LLC  
020 B000001 13-4132953  
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020 A000002 JEFFERIES & CO., INC.  
020 B000002 94-1737782  
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020 A000003 JP MORGAN CHASE  
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020 A000004 GOLDMAN, SACHS & CO.  
020 B000004 13-5108880  
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020 A000005 MERRILL, LYNCH, PIERCE, FENNER & SMITH, INC.  
020 B000005 13-5674085  
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020 A000006 ICAP CORPORATES, LLC  
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020 A000007 BANC OF AMERICA SECURITIES LLC  
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020 A000009 WACHOVIA SECURITIES LLC  
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022 A000003 FIRST BOSTON CORP  
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022 A000004 MERRILL, LYNCH, PIERCE, FENNER & SMITH INC.  
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022 A000006 LEHMAN BROTHERS, INC.  
022 B000006 13-2518466  
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022 A000007 DEUTSCHE BNK CAPITAL CORP  
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022 A000010 BEAR, STEARNS & CO  
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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 DECEMBER 31, 2006

EXHIBIT NO.	DESCRIPTION
77B	Accountant's Report On Internal Controls
770	Transactions Effected Pursuant to Rule 10f-3