

MASSMUTUAL CORPORATE INVESTORS

Form NSAR-B

February 28, 2007

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000 E000000 NF
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
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007 C011000 10
008 A000001 BABSON CAPITAL MANAGEMENT LLC
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008 D040001 5189
012 A000001 SHAREHOLDER FINANCIAL SERVICES, INC.
012 B000001 84-1817
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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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015 C030001 10043
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020 A000001 ALLEN & COMPANY LLC
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020 A000003 JP MORGAN CHASE
020 B000003 13-4994650
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020 A000004 GOLDMAN, SACHS & CO.
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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
020 B000006 13-3858854
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020 A000008 CREDIT SUISSE SECURITIES (USA) LLC
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PAGE 3
022 A000003 FIRST BOSTON CORP
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022 A000004 MERRILL, LYNCH, PIERCE, FENNER & SMITH INC.
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022 A000005 CITIGROUP
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022 A000006 LEHMAN BROTHERS, INC.
022 B000006 13-2518466
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022 D000006 3739

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022 A000007 DEUTSCHE BNK CAPITAL CORP
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087	A030000	MCI	
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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