

MASSMUTUAL CORPORATE INVESTORS

Form NSAR-B

March 01, 2006

PAGE 1  
000 B000000 12/31/2005  
000 C000000 0000275694  
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000 E000000 NF  
000 F000000 Y  
000 G000000 N  
000 H000000 N  
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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  
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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  
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019 B000000 2  
019 C000000 CIPIINVEST  
020 A000001 LAZARD FRERES AND CO  
020 B000001 13-5545100  
020 C000001 5  
020 A000002 ALLEN & CO  
020 B000002 13-4132953  
020 C000002 4  
020 A000003 GOLDMAN, SACHS & CO  
020 B000003 13-5108880  
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020 A000004 MERRILL, LYNCH ET AL  
020 B000004 13-5674085  
020 C000004 1  
020 A000005 FIRST BOSTON CORP  
020 B000005 13-5659485  
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020 A000006 SOUTHCOAST CAPITAL CORP  
020 B000006 72-1164960  
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020 A000007 SALOMON SMITH BARNEY HOLD INC  
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020 A000008 STATE STREET BANK  
020 B000008 13-4994650  
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020 A000009 J.P. MORGAN  
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020 A000010 SPEAR LEADS MFN  
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022 C000003 115336  
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022 A000004 FIRST BOSTON CORP  
022 B000004 13-5659485  
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022 A000005 SHEARSON LEHMAN AMERICAN EXPRESS  
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022 C000005 61522  
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022 A000006 SALOMON SMITH BARNEY HOLD INC  
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022 C000006 42307  
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022 A000007 KBC FINANCIAL SERVICES  
022 B000007 13-4035459

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022	B000008	13-2730828
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054 B000000 Y  
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054 N000000 N  
054 O000000 Y  
055 A000000 N  
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055 B000000 Y  
056 000000 Y  
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072	X000000		5769

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080	B000000	NONE
080	C000000	1275
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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 PARTICIPATION INVESTORS  
FOR ANNUAL PERIOD ENDED DECEMBER 31, 2005

EXHIBIT NO.	DESCRIPTION
77B	Accountant's Report on Internal Controls
77E	Legal Proceedings
77Q2	Information Called For by Item 405 of Regulation S-K