

MASSMUTUAL CORPORATE INVESTORS

Form NSAR-A

August 31, 2010

PAGE 1  
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000 E000000 NF  
000 F000000 Y  
000 G000000 N  
000 H000000 N  
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001 B000000 811-2183  
001 C000000 4132261000  
002 A000000 1500 MAIN STREET, P.O. BOX 15189  
002 B000000 SPRINGFIELD  
002 C000000 MA  
002 D010000 01115  
002 D020000 5189  
003 000000 N  
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008 A000001 BABSON CAPITAL MANAGEMENT LLC  
008 B000001 A  
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012 A000001 SHAREHOLDER FINANCIAL SERVICES, INC.  
012 B000001 84-1817  
012 C010001 CENTENNIAL  
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013 A000001 KPMG LLP  
013 B010001 BOSTON  
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013 B030001 02110  
013 B040001 2371  
014 A000001 BABSON CAPITAL SECURITIES INC  
PAGE 2  
014 B000001 8-47589  
014 A000002 MML INVESTOR SERVICES, INC.  
014 B000002 8-27250  
014 A000003 OPPENHEIMER DISTRIBUTOR, INC.  
014 B000003 8-22992  
014 A000004 MML DISTRIBUTORS, LLC

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014 B000004 8-48203  
 015 A000001 CITIBANK, N.A.  
 015 B000001 C  
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 022 A000005 SUNTRUST CAPITAL MARKET  
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 022 A000007 CITIGROUP  
 PAGE 3  
 022 B000007 13-3214963  
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PAGE 6

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087 A010000 COMMON SHARES  
087 A020000 576292106  
087 A030000 MCI  
088 A000000 Y  
088 B000000 N  
088 C000000 N  
088 D000000 Y  
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, 2010

EXHIBIT NO.	DESCRIPTION
77Q1	By-Laws