

MASSMUTUAL CORPORATE INVESTORS

Form NSAR-B

February 28, 2005

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000 B000000 12/31/2004  
000 C000000 0000275694  
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000 E000000 NF  
000 F000000 Y  
000 G000000 N  
000 H000000 N  
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001 B000000 811-2183  
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002 A000000 1500 MAIN STREET, SUITE 600  
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008 A000001 BABSON CAPITAL MANAGEMENT LLC  
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008 C000001 801-241  
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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  
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PAGE 2  
015 A000001 CITIBANK, N.A.  
015 B000001 C  
015 C010001 NEW YORK  
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015 C030001 10043  
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 020 A000001 LAZARD FRERES AND CO.  
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 020 A000004 PRUDENTIAL SECURITIES INC.  
 020 B000004 22-2347336  
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 020 A000005 SPEAR LEADS MFN  
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 020 A000006 J.P. MORGAN CHASE  
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 020 B000007 94-1737782  
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 022 A000007 SALOMON SMITH BARNEY HOLD 1  
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022 B000008 13-4035459  
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022 A000009 JEFFERIES & CO., INC.  
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PAGE 4

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078 000000	N
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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.