

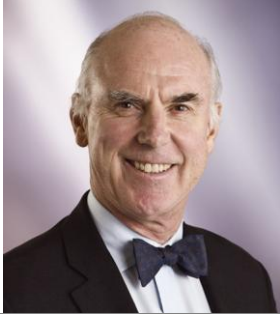







**Massachusetts Mutual Life Insurance Company**  
**Effective April 12, 2012**

<b>Board of Directors</b>	
	<p><b>Roger W. Crandall</b></p> <p>Chairman, President and Chief Executive Officer Massachusetts Mutual Life Insurance Company Springfield, Massachusetts</p> <p>Committees: Corporate Governance, Executive (Chair) and Investment</p>
	<p><b>James H. DeGraffenreidt, Jr.</b></p> <p>Lead Director Massachusetts Mutual Life Insurance Company Springfield, Massachusetts</p> <p>Chairman and Chief Executive Officer, Retired WGL Holdings, Inc. Washington, D.C.</p> <p>Committees: Corporate Governance, Executive and Human Resources</p>
	<p><b>Thomas C. Barry</b></p> <p>Chief Executive Officer and Founder Zephyr Management, L.P. New York, New York</p> <p>Committees: Audit, Executive and Investment (Chair)</p>
	<p><b>Cristóbal I. Conde</b></p> <p>Former President and Chief Executive Officer SunGard Data Systems, Inc. New York, New York</p> <p>Committees: Audit and Human Resources</p>

## Board of Directors (cont'd.)

	<p><b>Kathleen A. Corbet</b></p> <p>Founder and Principal Cross Ridge Capital, LLC New Canaan, Connecticut</p> <p>Former President Standard &amp; Poor's New York, New York</p> <p>Committees: Audit and Investment</p>
	<p><b>Patricia Diaz Dennis</b></p> <p>Senior Vice President and Assistant General Counsel, Retired AT&amp;T Inc. San Antonio, Texas</p> <p>Committees: Corporate Governance, Executive and Human Resources (Chair)</p>
	<p><b>Robert A. Essner</b></p> <p>Chairman and Chief Executive Officer, Retired Wyeth Madison, New Jersey</p> <p>Committees: Corporate Governance (Chair), Executive and Human Resources</p>
	<p><b>Robert M. Furek</b></p> <p>President and Chief Executive Officer, Retired Heublein, Inc. Hartford, Connecticut</p> <p>Committees: Corporate Governance and Human Resources</p>
	<p><b>Raymond W. LeBoeuf</b></p> <p>Chairman and Chief Executive Officer, Retired PPG Industries, Inc. Pittsburgh, Pennsylvania</p> <p>Committees: Audit (Chair), Executive and Human Resources</p>

## Board of Directors (cont'd.)

	<p><b>Cathy E. Minehan</b></p> <p>Dean, School of Management, Simmons College Boston, Massachusetts</p> <p>Managing Director, Arlington Advisory Partners LLC Boston, Massachusetts</p> <p>President and Chief Executive Officer, Retired Federal Reserve Bank of Boston Boston, Massachusetts</p> <p>Committees: Audit and Investment</p>
	<p><b>Marc F. Racicot</b></p> <p>Former Governor of Montana</p> <p>Former President American Insurance Association Washington, D.C.</p> <p>Committees: Corporate Governance and Human Resources</p>
	<p><b>William T. Spitz</b></p> <p>Director and Principal Diversified Trust Company Nashville, Tennessee</p> <p>Vice Chancellor for Investments Emeritus Vanderbilt University Nashville, Tennessee</p> <p>Committees: Corporate Governance and Investment</p>
	<p><b>H. Todd Stitzer</b></p> <p>Former Chief Executive Officer Cadbury PLC London, U.K.</p> <p>Committees: Audit and Investment</p>