

Readers are referred to the cautionary note regarding Forward-Looking Information at the end of this release.

Great-West Lifeco Completes Debenture Offering

Winnipeg, August 13, 2010. . . Great-West Lifeco Inc. announced today the closing of its previously announced offering of \$500 million aggregate principal amount of debentures maturing August 13, 2020. The offering was made through a syndicate of agents co-led by RBC Capital Markets and BMO Capital Markets and comprised of CIBC World Markets, Scotia Capital, TD Securities, Bank of America Merrill Lynch, National Bank Financial, Casgrain & Company Limited and Desjardins Securities.

The securities offered have not been and will not be registered under the U.S. Securities Act of 1933, as amended, and may not be offered or sold in the United States absent registration or an applicable exemption from the registration requirements. This press release shall not constitute an offer to sell or the solicitation of an offer to buy nor shall there be any sale of the securities in any State in which such offer, solicitation or sale would be unlawful.

Great-West Lifeco Inc. (TSX:GWO) is a financial services holding company with interests in the life insurance, health insurance, retirement savings, investment management and reinsurance businesses. Lifeco has operations in Canada, the United States, Europe and Asia through The Great-West Life Assurance Company, London Life Insurance Company, The Canada Life Assurance Company, Great-West Life & Annuity Insurance Company and Putnam Investments, LLC. Lifeco and its companies have over \$460 billion* in assets under administration, and are members of the Power Financial Corporation group of companies.

**Assets as of June 30, 2010*

Cautionary note regarding Forward-Looking Information

This release contains some forward-looking statements about the Company, including its business operations, strategy and expected financial performance and condition. Forward-looking statements include statements that are predictive in nature, depend upon or refer to future events or conditions, or include words such as “expects”, “anticipates”, “intends”, “plans”, “believes”, “estimates” or negative versions thereof and similar expressions. In addition, any statement that may be made concerning future financial performance (including revenues, earnings or growth rates), ongoing business strategies or prospects, possible future Company action including statements made by the Company with respect to the expected benefits of acquisitions or divestitures are also forward-looking statements. Forward-looking statements are based on current expectations and projections about future events and are inherently subject to, among other things, risks, uncertainties and assumptions about the Company, economic factors and the financial services industry generally, including the insurance and mutual fund industries.

.../2

They are not guarantees of future performance, and actual events and results could differ materially from those expressed or implied by forward-looking statements made by the Company due to, but not limited to, important factors such as sales levels, premium income, fee income, expense levels, mortality experience, morbidity experience, policy lapse rates and taxes, as well as general economic, political and market factors in North America and internationally, interest and foreign exchange rates, global equity and capital markets, business competition, technological change, changes in government regulations, judicial or regulatory proceedings, catastrophic events, and the Company's ability to complete strategic transactions and integrate acquisitions. The reader is cautioned that the foregoing list of important factors is not exhaustive, and there may be other factors, including factors set out under "Risk Management and Control Practices" in the Company's 2009 Annual Management's Discussion and Analysis and any listed in other filings with securities regulators, which are available for review at www.sedar.com. The reader is also cautioned to consider these and other factors carefully and to not place undue reliance on forward-looking statements. Other than as specifically required by applicable law, the Company has no intention to update any forward-looking statements whether as a result of new information, future events or otherwise.

Not for distribution to U.S. news wire services or dissemination in the United States.

For more information contact:

Marlene Klassen, APR
Assistant Vice-President, Communication Services
204.946.7705