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FOR IMMEDIATE RELEASE

GREAT PLAINS ENERGY INCORPORATED DECLARES DIVIDENDS

KANSAS CITY, MO, August 5, 2008 – Great Plains Energy Incorporated (NYSE: GXP) today announced that its Board of Directors approved a quarterly dividend of \$0.415 per share on its common stock. This action continues Great Plains Energy's indicated annual dividend level of \$1.66 per share. The common dividend will be payable September 19, 2008 to shareholders of record as of August 28, 2008. The shares will begin to trade ex-dividend on August 26, 2008. The Board of Directors also declared regular dividends on the preferred stock, payable December 1, 2008 to shareholders of record as of November 6, 2008. The shares will begin to trade ex-dividend on November 4, 2008.

Headquartered in Kansas City, Mo., Great Plains Energy Incorporated (NYSE: GXP) is the holding company of Kansas City Power & Light Company and Aquila, Inc. (doing business as KCP&L Greater Missouri Operations Company), two of the leading regulated providers of electricity in the Midwest. Kansas City Power & Light and Aquila use KCP&L as a brand name. The Company's web site is www.greatplainsenergy.com.

Information Concerning Forward-Looking Statements

Statements made in this release that are not based on historical facts are forward-looking, may involve risks and uncertainties, and are intended to be as of the date when made. Forward-looking statements include, but are not limited to, the outcome of regulatory proceedings, cost estimates of the Comprehensive Energy Plan and other matters affecting future operations. In connection with the safe harbor provisions of the Private Securities Litigation Reform Act of 1995, the registrants are providing a number of important factors that could cause actual results to differ materially from the provided forward-looking information. These important factors include: future economic conditions in the regional, national and international markets, including but not limited to regional and national wholesale electricity markets; market perception of the energy industry, Great Plains Energy, KCP&L and Aquila; changes in business strategy, operations or development plans; effects of current or proposed state and federal legislative and regulatory actions or developments, including, but not limited to, deregulation, re-regulation and restructuring of the electric utility industry; decisions of regulators regarding rates KCP&L and Aquila can charge for electricity; adverse changes in applicable laws, regulations, rules, principles or practices governing tax, accounting and environmental matters including, but not limited to, air and water quality; financial market conditions and performance including, but not limited to, changes in interest rates and credit spreads and in availability and cost of capital and the effects on pension plan assets and costs; credit ratings; inflation rates; effectiveness of risk management policies and procedures and the ability of counterparties to satisfy their contractual commitments; impact of terrorist acts; increased competition including, but not limited to, retail choice in the electric utility industry and the entry of new competitors; ability to carry out marketing and sales plans; weather conditions including weather-related damage; cost, availability, quality and deliverability of fuel; ability to achieve generation planning goals and the occurrence and duration of planned and unplanned generation outages; delays in the anticipated in-

service dates and cost increases of additional generating capacity and environmental projects; nuclear operations; workforce risks including retirement compensation and benefits costs; performance of projects undertaken by non-regulated businesses and the success of efforts to invest in and develop new opportunities; the ability to successfully complete merger, acquisition or divestiture plans (including the integration of Aquila and KCP&L operations and the timing and amount of resulting synergies and savings), and other risks and uncertainties. Other risk factors are detailed from time to time in Great Plains Energy's and KCP&L's most recent quarterly reports on Form 10-Q or annual reports on Form 10-K filed with the Securities and Exchange Commission. This list of factors is not all-inclusive because it is not possible to predict all factors.

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