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FOR IMMEDIATE RELEASE

KCP&L ANNOUNCES INTEREST IN ADDING MORE RENEWABLE ENERGY

Utility issues requests for proposals for up to 300 megawatts of wind energy

Kansas City, Mo. (December 1, 2009) – Kansas City Power & Light Company (KCP&L), a subsidiary of Great Plains Energy Incorporated (NYSE: GXP), announced today that it has issued requests for proposals (RFP's) to add up to 300 MW of additional emissions-free, renewable wind generation in the 2010 – 2011 timeframe.

KCP&L currently owns and operates the Spearville Wind Generation Facility, a 100.5 MW wind farm in Spearville, Kansas that became operational in 2006. The Spearville Wind Generation Facility generates enough electricity annually to supply approximately 33,000 homes. If fully developed, the wind projects contemplated in these RFP's would provide a clean source of power for approximately 100,000 homes.

"KCP&L is committed to renewable energy sources, such as wind energy, as part of our total energy portfolio," said Mike Chesser, Chairman and CEO of KCP&L. "We believe a progressive and balanced approach to power generation is the best strategy, and today's announcement demonstrates our commitment to a more sustainable, cleaner energy future for our region."

The following RFP's are being distributed:

1. The first RFP invites companies to submit proposals to construct and own a 100.5 MW addition at the Spearville Wind Generation Facility and sell the power to KCP&L under a 20-year power purchase agreement starting in August 2010.
2. The second RFP has two parts:
 - a. The first part invites companies, as an alternative to the Spearville addition, to submit proposals to provide KCP&L with 100 MW of wind power through a power purchase agreement starting in August 2010.
 - b. The second part invites companies to submit proposals for up to an additional 200 MW of wind power starting in October 2011. Proposals under the second part of this RFP could include power purchase agreements or arrangements where KCP&L would own and operate the facilities after development and construction.

KCP&L will look for the best, most cost-effective projects for the company and its customers, while remaining mindful of economic development opportunities within the region.

“From its support of mandatory renewable energy standards, to its landmark agreement with the Sierra Club and environmental upgrades to its coal-fired power plants, KCP&L has demonstrated its commitment to a cleaner and sustainable energy future,” explained David Warm, Executive Director of the Mid-America Regional Council (MARC). “These wind projects will serve as a catalyst for the creation of next-generation clean energy jobs and improve air quality in our region for years to come.”

The requests for proposals are available on KCP&L's Web site at www.kcpl.com. Proposals are due January 11, 2010, at which time KCP&L will begin reviewing the submissions.

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About Kansas City Power & Light:

Headquartered in Kansas City, Mo., Great Plains Energy Incorporated (NYSE:GXP) is the holding company of Kansas City Power & Light Company and KCP&L Greater Missouri Operations Company, two of the leading regulated providers of electricity in the Midwest. Kansas City Power & Light and KCP&L Greater Missouri Operations use KCP&L as a brand name. More information about the companies is available on the Internet at <http://www.greatplainsenergy.com> and <http://www.kcpl.com>.

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 regional, national and international markets and their effects on sales, prices and costs, including, but not limited to, possible further deterioration in economic conditions and the timing and extent of any economic recovery; prices and availability of electricity in regional and national wholesale markets; market perception of the energy industry, Great Plains Energy, KCP&L and GMO; 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 GMO 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 nuclear decommissioning trust and pension plan assets and costs; impairments of long-lived assets or goodwill; 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, but not limited to, weather-related damage and their effects on sales, prices and costs; 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, but not limited to, retirement compensation and benefits costs; the ability to successfully integrate KCP&L and GMO operations and the timing and amount of resulting synergy savings; and other risks and uncertainties.

This list of factors is not all-inclusive because it is not possible to predict all factors. Other risk factors are detailed from time to time in Great Plains Energy's and KCP&L's most recent quarterly report on Form 10-Q and annual report on Form 10-K filed with the Securities and Exchange Commission. Any forward-looking statement speaks only as of the date on which such statement is made. Great Plains Energy and KCP&L undertake no obligation to publicly update or revise any forward-looking statement, whether as a result of new information, future events or otherwise.