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FOR IMMEDIATE RELEASE

Kansas City Power & Light Announces Wetlands Conservation Project.

One hundred six acre site to benefit wildlife

Kansas City, Mo. — (April 18, 2006) — Kansas City Power & Light (KCP&L), a subsidiary of Great Plains Energy (NYSE: GXP), announced today that the first phase of the restoration of a 106-acre tract of wetlands at the Iatan Generating Station will begin on April 19, 2006. When completed, Iatan will be home to one of the most unique wetlands along the Missouri River bottom, with improved water quality, stormwater retention, and habitat for a diversity of plant and animal species.

KCP&L worked collaboratively with the Missouri Department of Natural Resources and the U.S. Army Corps of Engineers in developing a plan that will restore the natural wetlands to function as they did in their original state.

Invasive vegetation on the wetlands site will be managed through a “controlled burn” over the course of several days beginning April 19, weather conditions permitting. This controlled fire will prepare a seedbed for future vegetation and improve the habitat for many wildlife species. Adaptive Ecosystems, a Kansas City area company specializing in wetland restoration and natural resource preservation, will coordinate the “controlled burn”.

“The first visible activity of the Iatan 2 construction will be the restoration of the wetlands site to a condition in which Lewis & Clark may have first seen it,” said Bill Downey, CEO and President of KCP&L. “Marshes of this size are unusual in the Missouri River floodplain and KCP&L’s efforts will yield some unique results.”

The restoration of the wetlands will be accomplished through several phases in the next few years:

- A controlled burning of the restoration site to manage invasive vegetation and improve the habitat for wildlife
- Construction of water control structures within the wetland site

- Diversion of some water from Mission Creek to flow into the wetland
- Re-introduction of native vegetation throughout the site

Headquartered in Kansas City, MO., KCP&L (www.kcpl.com) is a leading regulated provider of electricity in the Midwest. KCP&L is a wholly owned subsidiary of Great Plains Energy Incorporated (NYSE: GXP), the holding company for KCP&L and Strategic Energy LLC, a competitive electricity supplier.

CERTAIN FORWARD-LOOKING INFORMATION — 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. In connection with the safe harbor provisions of the Private Securities Litigation Reform Act of 1995, the Company is 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 and the Company; 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 and constraints placed on the Company's actions by the Public Utility Holding Company Act of 1935; adverse changes in applicable laws, regulations, rules, principles or practices governing tax, accounting and environmental matters including, but not limited to, air quality; financial market conditions and performance including, but not limited to, changes in interest rates and in availability and cost of capital and the effects on the Company's pension plan assets and costs; ability to maintain current 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 unplanned generation outages; delays in the anticipated in-service dates of additional generating capacity; nuclear operations; ability to enter new markets successfully and capitalize on growth opportunities in non-regulated businesses; performance of projects undertaken by the Company's non-regulated businesses and the success of efforts to invest in and develop new opportunities; and other risks and uncertainties. This list of factors is not all-inclusive because it is not possible to predict all factors.

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