

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 8-K

Current Report

Pursuant to Section 13 or 15(d) of the
Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): April 21, 2009

Commission File Number	Registrant, State of Incorporation, Address and Telephone Number	I.R.S. Employer Identification Number
001-32206	GREAT PLAINS ENERGY INCORPORATED (A Missouri Corporation) 1201 Walnut Street Kansas City, Missouri 64106 (816) 556-2200 NOT APPLICABLE (Former name or former address, if changed since last report)	43-1916803
000-51873	KANSAS CITY POWER & LIGHT COMPANY (A Missouri Corporation) 1201 Walnut Street Kansas City, Missouri 64106 (816) 556-2200 NOT APPLICABLE (Former name or former address, if changed since last report)	44-0308720

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

This combined Current Report on Form 8-K is being furnished by Great Plains Energy Incorporated (Great Plains Energy) and Kansas City Power & Light Company (KCP&L). KCP&L is a wholly owned subsidiary of Great Plains Energy and represents a significant portion of its assets, liabilities, revenues, expenses and operations. Thus, all information contained in this report relates to, and is furnished by, Great Plains Energy. Information that is specifically identified in this report as relating solely to Great Plains Energy, such as its financial statements and all information relating to Great Plains Energy's other operations, businesses and subsidiaries, including Aquila, Inc., which does business as KCP&L Greater Missouri Operations Company (KCP&L GMO) does not relate to, and is not furnished by, KCP&L. KCP&L makes no representation as to that information. Neither Great Plains Energy nor KCP&L GMO has any obligation in respect of KCP&L's debt securities and holders of such securities should not consider Great Plains Energy's or KCP&L GMO's financial resources or results of operations in making a decision with respect to KCP&L's debt securities. Similarly, KCP&L has no obligation in respect of securities of Great Plains Energy or KCP&L GMO.

Item 8.01 Other Information

On April 21, 2009, KCP&L and other parties to KCP&L's pending rate case before the Missouri Public Service Commission (the "MPSC") informed the MPSC that they had reached an agreement in principle to settle the pending rate case. The document filed with the MPSC setting forth the terms of the agreement in principle and a press release announcing the agreement in principle are attached as Exhibits 99.1 and 99.2, respectively and are incorporated herein by reference. The agreement in principle provides, among other things, for an increase in annual revenues of approximately \$95 million effective September 1, 2009, with \$10 million of that amount treated for accounting purposes as additional amortization. Parties may challenge the prudence of the cost of the Iatan Unit No. 1 environmental project and the cost of facilities used in common by Iatan Units No. 1 and No. 2 in KCP&L's next rate case, but the Missouri jurisdictional portion of any proposed rate base prudence disallowances will not exceed \$30 million in aggregate.

The agreement in principle is subject to the parties negotiating and submitting a stipulation and agreement (the "agreement") to the MPSC for its consideration. The agreement will be subject to MPSC approval, and will be voidable if not approved in its entirety. It is possible that the MPSC may approve the agreement with changes, or may not approve the agreement.

Financial Statements and Exhibits

Item 9.01

(d) Exhibits

99.1 Terms of agreement in principle filed with the Missouri Public Service Commission on April 21, 2009

99.2 Press Release issued April 21, 2009

FORWARD-LOOKING STATEMENTS

Statements made in this report 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; 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 or 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.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

GREAT PLAINS ENERGY INCORPORATED

/s/ Michael W. Cline
Michael W. Cline
Vice President – Investor Relations and Treasurer

KANSAS CITY POWER & LIGHT COMPANY

/s/ Michael W. Cline
Michael W. Cline
Vice President – Investor Relations and Treasurer

Date: April 21, 2009.

KCP&L

1.) Revenue Requirement

\$95 million effective September 1, 2009, with an in-service date of May 30, 2009, in-service defined by meeting Staff's in-service criteria. \$10 million of this amount would be comprised of Additional Amortizations.

2.) Rate Design

Rate design to be an equal percentage across the board for each rate class. LPS rate design to be spread between the first two energy blocks, and all demand and service charges on an equal percentage basis of the overall class increase. Separately metered space heating and the winter energy rate blocks of the all-electric rates for general service classes shall be increased by an additional 5% above the equal percentage increase. The Company agrees with changing the interest rate on deposits.

3) Customer Class Cost of Service Study

KCP&L agrees to file a Customer Class Cost of Service Study case initiated by KCP&L making a filing with the Missouri Public Service Commission by December 31, 2009.

4) Vegetation Management and Infrastructure Inspection

There shall be no tracker for vegetation management or infrastructure inspection activities, but KCP&L shall create subaccounts for each where the costs for these activities shall be booked for KCP&L. KCP&L shall submit quarterly reports detailing the vegetation management activities and expenses in the KCP&L Missouri jurisdictional service territory to the Commission's Energy Department.

The Company accepts the Parties' recommendation and agrees to maintain records to separately identify the costs to implement the Commission's new Vegetation Management regulations between Missouri and Kansas using Federal Energy Regulatory Commission accounts 593000 (distribution) and 571005-571006 (transmission), department 252. The Company is in the process of setting up appropriate accounts to track Infrastructure and Reliability Reporting costs.

5.) Pension expense - Subject to agreement among the Parties.

6.) Prudence and in-service timing of latan 1

No Party to this agreement shall argue that anyone is prohibited from arguing or presenting evidence in the next KCP&L general rate case challenging the prudence of any latan 1 construction cost or that KCP&L should have had this unit operating at full generation capacity sooner than the actual date that latan 1 is found to be fully operational and used for service, provided that any proposed disallowance of rate base for imprudence under this paragraph shall be limited to a maximum amount of Missouri jurisdictional rate base no greater than \$30 Million inclusive of latan common costs. KCP&L represents that latan 1 and latan common costs will not exceed \$733 Million on a total project basis. Should the Commission find that KCP&L, respecting any Party's construction audit of these costs, (a) failed to provide material and relevant information which was in KCP&L's control, custody, or possession, or which should have been available to KCP&L through reasonable investigation, (b) misrepresented facts relevant to charges to latan 1 or latan common costs, or (c) engaged in the obstruction of lawful discovery, said Party is not bound to proposing a disallowance to KCP&L's Missouri jurisdictional rate base no greater than \$30 Million inclusive of latan common costs in aggregate amount with regard to such construction audit. KCP&L shall maintain Caseworks for the use of the Parties. The Parties may continue their construction audits of latan 1 and latan 2 prior to KCP&L filing its latan 2 rate case. KCP&L will facilitate the resolution of all outstanding discovery disputes with the Parties and cooperate with the Parties in any construction audits of latan 1 and latan 2. KCP&L shall have the right to object, or to continue to object, to discovery of the Parties under applicable law or Commission rule. KCP&L and the Parties will seek the timely resolution of discovery disputes.

KCP&L will provide to NNSA/DOE/FEA the latan portion of all reports provided to the KCP&L Regulatory Plan Signatory Parties.

7.) Allocations of common plant for latan 1 and 2

The Parties agree that the Company can record to a regulatory asset the depreciation and carrying costs associated with the latan 1 Air Quality Control System ("AQCS") and identified latan common facilities costs appropriately recorded to Electric Plant in Service that are not included in rate base in the current rate case. Depreciation and carrying costs will continue to be deferred to the regulatory asset until the date new rates become effective resulting from the Company's next general rate case. Amortization of the accumulated deferred costs will begin at that time based on the depreciable life of the latan 1 AQCS plant.

The determination of the value of the owners of latan 1 due from other owners of latan 2 joining as additional owners of common plant already paid for by the latan

1 owners has not been calculated.

If Staff's in-service criteria are met by May 30, 2009, Staff would agree to "construction accounting" for remaining latan 1 prudent costs incurred post true-up cutoff as "construction accounting" is defined in KCP&L's Regulatory Plan, page 43, Section III, 3. d. vii, approved by the Commission in Case No. EO-2005-0329, subject to agreement of the parties of the amount to include in rates in this case and agreement of parties of date by which invoices are timely booked or approved for payment. Any deferred depreciation expense and carrying costs will be offset by accumulated deferred income taxes on this plant. The deferred depreciation expense will be charged to the depreciation reserve as required by normal accounting. The deferred expenses will receive rate base treatment, and consistent with the Commission treatment of these type of deferrals, the deferred income taxes will be included in rate base. KCP&L must commit to calculate the amount due from the other latan 2 owners and reflect that amount as an offset to the common plant costs. The carrying costs will be calculated at the rate used for latan 2.

8.) Additional Amortizations

The total "additional amortization" that will be reflected in rates beginning with the billing month beginning September 1, 2009 as a result of the settlement of the instant Case No. ER-2009-0089 and the Commission determinations in Case Nos. ER-2006-0314 and ER-2007-0291 shall be \$42,402,888. The "additional amortization" amount due to the settlement of the instant Case No. ER-2009-0089 shall be the last "additional amortization" under the KCP&L Experimental Regulatory Plan incorporated in the Stipulation and Agreement that the Commission approved in Case No. EO-2005-0329.

9.) AFUDC Rate

For purposes of determining the AFUDC rate for latan 2 and the carrying cost rate for any Accounting Authority Order established from this case for latan 1, the AFUDC equity rate will be the lower of 8.25% or 250 basis points less than the return on equity ordered in the pending KCP&L Greater Missouri Operations Company rate case, Case No. ER-2009-0090.

10.) Surveillance reporting

For surveillance reporting purposes, until changed by agreement of the parties or order of the Commission, the following jurisdictional allocators shall be used:

a. All environmental-related production assets allocated with the same allocator used for the production facility where those environmental-related production assets are installed, for the life of those environmental-related production assets;

b. Off-System Sales margins allocated using the energy allocator; c. All non-fuel Production and Transmission O&M allocated using the demand allocator; and d. Transmission and Production facilities allocated using the 4CP demand allocator (June, July, August and September).

11.) Economic Relief Pilot Program ("ERPP")

The Parties agree that the Company can defer 50% of ERPP costs in a regulatory asset until the next rate case, with cost recovery to be determined at that time. The remaining 50% of cost will be borne by the Company's shareholders.

The Company agrees to address all concerns raised by Staff in rebuttal testimony; specifically, the language regarding discontinuation of customer participation, and the language regarding reinstatement of former participants, as contained in Attachment Schedule ADD-2 to Company witness Allen Dennis's Surrebuttal Testimony.

12.) Wolf Creek Refueling Cost

The Parties agree that \$1,570,581 (Missouri jurisdictional) of Outage #16 operations & maintenance refueling costs will be deferred in a regulatory asset account and amortized over five years beginning with the date new rates become effective in this rate case, with one-fifth of this cost included in cost of service in this case. No rate base treatment of unamortized balance.

13.) Surface Transportation Board ("STB") Litigation

The Parties agree that the Missouri jurisdictional excess of STB litigation proceeds over un-recovered STB litigation costs of \$ _____ will be deferred in a regulatory liability account and amortized over ten years beginning with the date new rates become effective in this rate case, with one year's amortization included in cost of service in this case. No rate base treatment of unamortized balance.

14.) Off-system Sales ("OSS") Margins – Excess Over 25th Percentile for 2007 and 2008

The Parties agree that the \$1,082,974 (Missouri jurisdictional) excess of 2007 OSS margins over the amount included in rates in Case No. ER-2006-0314 and the \$2,947,332 (Missouri jurisdictional) excess of 2008 OSS margins over the amount included in rates in Case No. ER-2007-0291, together with interest (Missouri jurisdictional), will be deferred in a regulatory liability account and amortized over ten years beginning with the date new rates become effective in

this rate case, with one year's amortization included in cost of service in this case, Case No. ER-2009-0089. No rate base treatment of unamortized balance.

15.) Deferred DSM Advertising Costs

The Parties agree that \$279,521 (Missouri jurisdictional) of 2007 advertising costs will be deferred in a regulatory asset account and amortized over ten years beginning with the date new rates become effective in this rate case, with one-tenth of this cost included in cost of service in this case. No rate base treatment of unamortized balance as agreed to in the KCP&L Regulatory Plan.

16.) Off-system sales tracker

KCP&L's off-system sales margins at the 25th percentile shall be set at \$30 Million, and shall be used for tracking purposes. Such tracker will reflect a proration, on a monthly basis, of this amount for any partial years consistent with the percent of actual off-system sales realized in each month of 2008. All OSS margins

will be tracked against the \$30 Million baseline. What constitutes OSS margins is to be determined in a subsequent rate case.

17.) Rate Case Expense

Any over-recovery of the amortization of the Case No. ER-2006-0314 rate case expense will be used to offset the deferral of rate case expense in this case, Case No. ER-2009-0089.

18) The KCP&L and the Parties agree that the following costs are not included in the rate levels contained in this agreement:

Sporting events, golf, Worlds of Fun, dues and donations, lobbying, image or institutional advertising, spousal travel, local meal expenses, officer expense reports, and catering expense.

The KCP&L and the Parties reserve the right to seek inclusion or oppose inclusion of these costs in a future rate case.



GREAT PLAINS ENERGY REPORTS AGREEMENT IN PRINCIPLE IN KCP&L MISSOURI RATE CASE

Kansas City, Mo. (April 21, 2009) — Great Plains Energy (NYSE: GXP) today announced that Kansas City Power & Light Company (KCP&L) and other parties to KCP&L's pending rate case before the Missouri Public Service Commission (MPSC) informed the MPSC that they had reached an agreement in principle to settle the pending rate case. The agreement in principle provides, among other things, for an increase in annual revenues of approximately \$95 million effective September 1, 2009, with \$10 million of that amount treated for accounting purposes as additional amortization. Parties may challenge the prudence of the cost of the Iatan 1 environmental project and the cost of facilities used in common by Iatan 1 and 2 in KCP&L's next rate case, but the Missouri portion of any proposed rate base prudence disallowance will not exceed \$30 million in aggregate.

The agreement in principle is subject to the parties negotiating and submitting a stipulation and agreement to the MPSC for its consideration. The stipulation will be subject to MPSC approval, and will be voidable if not approved in its entirety. It is possible that the MPSC may approve the stipulation with changes, or may not approve the stipulation. The terms of the agreement in principle have been filed by the Company with the Securities and Exchange Commission today in an 8-K filing.

"The settlement filed today reflects the hard work and good faith of the parties," said Mike Chesser, Great Plains Energy Chairman and CEO. "We believe the agreement is a fair settlement for all the parties involved and we look forward to approval by the Commission."

This is KCP&L's third of four rate cases associated with its Comprehensive Energy Plan (CEP). KCP&L initially sought to increase Missouri annual revenues by \$101.5 million, including \$15.1 million in additional amortization to aid KCP&L with cash flow during the construction phase of the CEP. KCP&L's Missouri rates are now about 25-30% percent below the national average, and are expected to still be among the lowest in the nation after the new rates become effective.

About The Companies:

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: www.greatplainsenergy.com or www.kcpl.com.

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FORWARD-LOOKING STATEMENTS

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