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**UNITED STATES  
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): September 7, 2007

**Commission  
File Number**

001-32206

**Registrant, State of Incorporation,  
Address and Telephone Number**

**GREAT PLAINS ENERGY INCORPORATED**

(A Missouri Corporation)

1201 Walnut Street

Kansas City, Missouri 64106

(816) 556-2200

**I.R.S. Employer  
Identification  
Number**

43-1916803

NOT APPLICABLE

(Former name or former address,  
if changed since last report)

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))
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**Item 8.01 Other Events.**

This report is being filed for the sole purpose of filing the consent of KPMG LLP included as Exhibit 23.1 to this report.

**Item 9.01 Financial Statements and Exhibits.**

(a) Financial statements of businesses acquired.

Not applicable.

(b) Pro forma financial information.

Not applicable.

(c) Shell company transactions.

Not applicable.

(d) Exhibits.

The following exhibit is filed herewith and is an exhibit to the Registration Statement on Form S-3, Registration No. 333-133891, as noted below:

<u>8-K Exhibit No.</u>	<u>Registration Statement Exhibit No.</u>	<u>Description</u>
23.1	23.3	Consent of KPMG LLP.

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**SIGNATURE**

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/ Barbara B. Curry

Barbara B. Curry

Senior Vice President - Corporate Services and Corporate  
Secretary

Date: September 10, 2007

**Consent of Independent Registered Public Accounting Firm**

The Board of Directors  
Aquila, Inc.:

We consent to the incorporation by reference in the Registration Statement on Form S-3 (No. 333-133891) of Great Plains Energy Incorporated (the Registrant), and in the Prospectus Supplement relating to the Registrant's notes due 2017 (the Prospectus Supplement) of our reports dated February 27, 2007 with respect to the consolidated balance sheets of Aquila, Inc. and subsidiaries as of December 31, 2006 and 2005, and the related consolidated statements of income, common shareholders' equity, comprehensive income, cash flows, and the financial statement schedule, "Schedule II—Valuation and Qualifying Accounts," for each of the years in the three-year period ended December 31, 2006, management's assessment of the effectiveness of internal control over financial reporting as of December 31, 2006 and the effectiveness of internal control over financial reporting as of December 31, 2006, which reports appear in the December 31, 2006 Annual Report on Form 10-K of Aquila, Inc. Our audit report refers to the adoption of Financial Accounting Standards Board (FASB) Statement of Financial Accounting Standards No. 158, *Employers' Accounting for Defined Benefit Pension and Other Postretirement Plans, an amendment of FASB Statements No. 87, 88, 106, and 132(R)*, and the adoption of FASB Statement of Financial Accounting Standards No. 123 (Revised), *Share-Based Payment*, replacing FASB Statement of Financial Accounting Standards No. 123, *Accounting for Stock-Based Compensation*. We also consent to the reference to our firm under the heading "Experts" in the Prospectus Supplement.

/s/ KPMG LLP

Kansas City, Missouri  
September 7, 2007