

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C.

FORM U5A

NOTIFICATION OF REGISTRATION

Filed Under Section 5(a) of the
Public Utility Holding Company Act of 1935

Great Plains Energy Incorporated

The undersigned holding company hereby notifies the Securities and Exchange Commission that it registers under and pursuant to the provisions of Section 5(a) of the Public Utility Holding Company Act of 1935 and furnishes the following information as to the registrant and subsidiary companies thereof:

1. Exact Name of Registrant:

Great Plains Energy Incorporated

2. Address and Principal Executive Offices:

1201 Walnut Street
Kansas City, Missouri 64106

3. Name and Address of Officer to Whom Notices and Communications Should be Addressed:

Bernard J. Beaudoin
Chairman of the Board, President
and Chief Executive Officer
Great Plains Energy Incorporated
1201 Walnut Street
Kansas City, Missouri 64106

with copies to:

William C. Weeden
Skadden, Arps, Slate, Meagher & Flom LLP
1440 New York Avenue, N.W.
Washington, D.C. 20008

William G. Riggins
Great Plains Energy Incorporated
1201 Walnut Street
Kansas City, Missouri 64106

4. Required Information Regarding the Registrant and each Subsidiary Company Thereof (Indented to Reflect Parent-Subsidiary Relationships):

Name of Company -----	Organization* -----	State of Organization -----	Type of Business -----
Great Plains Energy Incorporated	C	MO	Holding Company
Great Plains Power Incorporated	C	MO	Power Generation
Kansas City Power & Light Company	C	MO	Electric Utility
KCPL Receivable Corporation	C	DE	Accounts Receivables Management
Home Service Solutions Inc.	C	MO	Intermediate Holding Company
Worry Free Service, Inc.	C	MO	Energy-Related Company
R.S. Andrews Enterprises, Inc.	C	DE	Energy-Related Company
RSA Services Termite & Pest Control, Inc.	C	GA	Energy-Related Company
Premier Service Systems, Inc.	C	GA	Energy-Related Company
R.S. Andrews Enterprises of Alabama, Inc.	C	GA	Energy-Related Company
R.S. Andrews Enterprises of Charleston, Inc.	C	GA	Energy-Related Company
R.S. Andrews Enterprises of Columbus, Inc.	C	GA	Energy-Related Company

R.S. Andrews Enterprises of Dallas, Inc.	C	GA	Energy-Related Company
R.S. Andrews Enterprises of Kansas, Inc.	C	GA	Energy-Related Company
R.S. Andrews Enterprises of South Carolina, Inc.	C	GA	Energy-Related Company
R.S. Andrews of Chattanooga, Inc.	C	GA	Energy-Related Company
R.S. Andrews of Fairfax, Inc.	C	GA	Energy-Related Company
R.S. Andrews of Florida, Inc.	C	GA	Energy-Related Company
R.S. Andrews of Maryland, Inc.	C	GA	Energy-Related Company
R.S. Andrews of Palm Beach, Inc.	C	GA	Energy-Related Company
R.S. Andrews Services, Inc.	C	GA	Energy-Related Company
R.S. Andrews of Stuart II, Inc.	C	GA	Energy-Related Company
R.S. Andrews of Tidewater, Inc.	C	GA	Energy-Related Company
R.S. Andrews of Wilmington, Inc.	C	GA	Energy-Related Company
R.S. Andrews of Jonesboro, Inc.	C	GA	Energy-Related Company
R.S. Andrews of Topeka, Inc.	C	GA	Energy-Related Company
R.S. Andrews Enterprises of Virginia, Inc.	C	GA	Energy-Related Company
R.S. Andrews Enterprises of Tennessee, Inc.	C	GA	Energy-Related Company
R.S. Andrews of DeSoto, Inc.	C	GA	Inactive
R.S. Andrews of Grand Prairie, Inc.	C	GA	Inactive
R.S. Andrews of Grapevine, Inc.	C	GA	Inactive
R.S. Andrews of Orlando, Inc.	C	GA	Inactive
R.S. Andrews of Sacramento, Inc.	C	GA	Inactive
RSA Services of Florida, Inc.	C	GA	Inactive
R.S. Andrews Showcase of Atlanta, Inc.	C	GA	Inactive
R.S. Andrews of Vero Beach, Inc.	C	GA	Inactive
R.S. Andrews Home Warranty of Texas, Inc.	C	GA	Inactive
R.S. Andrews Home Warranty of Florida, Inc.	C	GA	Inactive
R.S. Andrews of Stuart I, Inc.	C	GA	Inactive
Wolf Creek Nuclear Operating Corporation	C	DE	Nuclear Operation & Management Company
KLT Inc.**	C	MO	Intermediate Holding Company
Energetechs, Inc.	C	MO	Inactive
KLT Investments Inc.	C	MO	Intermediate Holding Company
KLT Investments II Inc.	C	MO	Intermediate Holding Company
KLT Energy Services Inc.	C	MO	Energy-Related Company
Custom Energy Holdings, LLC	LLC	DE	Energy-Related Company
Strategic Energy, LLC	LLC	DE	Energy-Related Company
KLT Gas Inc.	C	MO	Oil & Gas Production Company
Apache Canyon Gas, L.L.C.	LLC	DE	Oil & Gas Production Company
Far Gas Acquisitions Corporation	C	CO	Intermediate Holding Company
Forest City, LLC	LLC	DE	Oil & Gas Production Company
Forest City Gathering, LLC	LLC	DE	Oil & Gas Production Company
KLT Gas Operating Company	C	MO	Oil & Gas Production Company
Patrick KLT Gas, LLC	LLC	OK	Oil & Gas Production Company
KLT Telecom Inc.	C	MO	Telecommunications Company
Advanced Measurement Solutions, Inc.	C	DE	Inactive
Copier Solutions, LLC	LLC	MO	Inactive
DTI Holdings, Inc.	C	MO	Telecommunications Company
Digital Teleport, Inc.	C	MO	Telecommunications Company
Digital Teleport of Virginia, Inc.	C	VA	Telecommunications Company
eChannel, Inc.	C	DE	Telecommunications Company
Municipal Solutions, L.L.C.	LLC	DE	Inactive
Signal Sites Incorporated	C	DE	Telecommunications Company
Telemetry Solutions, L.L.C.	LLC	DE	Inactive
globalutilityexchange.com, LLC	LLC	MO	Inactive

* C = Corporation

LLC = Limited Liability Company

** KLT Inc. is currently a subsidiary of Kansas City Power and Light Company; however, Kansas City Power and Light Company will dividend KLT Inc. up to Great Plains Energy Incorporated in the near future.

SIGNATURE

Pursuant to the requirements of the Public Utility Holding Company Act of 1935, the registrant has caused this notification of registration to be duly signed on its behalf in the City of Kansas City in the State of Missouri, on the 1st day of October, 2001.

(SEAL)

Great Plains Energy Incorporated

By: /s/ Bernard J. Beaudoin

 Bernard J. Beaudoin
 Chairman of the Board, President
 and Chief Executive Officer

Attest:

/s/ Jeanie Sell Latz

 Jeanie Sell Latz
 Secretary

VERIFICATION

State of Missouri)
)
County of Ray) ss.

The undersigned being duly sworn deposes and says that he has duly executed the attached notification of registration dated October 1, 2001, for and on behalf of Great Plains Energy Incorporated; that he is the [title] of such company; and that all action by stockholders, directors and other bodies necessary to authorize deponent to execute and file such instrument has been taken. Deponent further says that he is familiar with such instrument and the contents thereof, and that the facts therein set forth are true to the best of his knowledge, information, and belief.

/s/ Bernard J. Beaudoin

Bernard J. Beaudoin
Chairman of the Board, President
and Chief Executive Officer

(OFFICIAL SEAL)

Subscribed and sworn to before me this 1st day of October, 2001.

/s/ Jacquetta L. Hartman

Jacquetta L. Hartman
Notary Public

My commission expires on 4-8-2001.