

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

OMB APPROVAL	
OMB Number:	3235-0287
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1. Name and Address of Reporting Person* <u>MOORE NANCY J</u>			2. Issuer Name and Ticker or Trading Symbol <u>GREAT PLAINS ENERGY INC [ GXP ]</u>			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner Officer (give title below) <input checked="" type="checkbox"/> Other (specify below) <u>Former VP of KCPL</u>		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) <u>04/29/2005</u>			6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person		
<u>1201 WALNUT</u>			4. If Amendment, Date of Original Filed (Month/Day/Year)					
(Street)	<u>KANSAS CITY MO 64106</u>							
(City)	(State)	(Zip)						

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock <sup>(1)</sup>	04/29/2005 <sup>(1)</sup>	(1)	P	V	102	A	(1)	6,144	I	401-k
Common Stock								1,882	D	

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date					
Stock Options (Right to Buy) <sup>(2)</sup>	(2)							(2)	(2)	Common Stock <sup>(2)</sup>	(2)	1,866	D	
Performance Shares <sup>(3)</sup>	(3)							(3)	(3)	Common Stock	1,388 <sup>(3)</sup>	5,618 <sup>(3)</sup>	D	
Performance Shares <sup>(4)</sup>	(4)	04/29/2005	(4)	D		1,762		(4)	(4)	Common Stock	1,762 <sup>(4)</sup>	3,856 <sup>(4)</sup>	D	
Performance Shares <sup>(5)</sup>	(5)	04/29/2005	(5)	D		1,880		(5)	(5)	Common Stock	1,880 <sup>(5)</sup>	1,976 <sup>(5)</sup>	D	

**Explanation of Responses:**

- Shares acquired since last report through May 2, 2005 through automatic payroll deduction/investment and participation in the Company's 401-k Plan.
- Options were granted in tandem with stock appreciation rights exercisable automatically in the event of a change in control as defined by the Long-Term Incentive Plan under which they are granted. Options may be exercised with cash or previously-owned shares of Common Stock.
- Performance Shares awarded under the Long-Term Incentive Plan. Payment to which Grantee shall be entitled at the end of 2005 will be based on the performance of the Company and paid in Common Stock in an amount ranging from zero (0) to 200 percent (200%) of the performance shares awarded.
- Performance Shares awarded under the Long-Term Incentive Plan. Payment to which Grantee shall be entitled at the end of 2006 will be based on Grantee's performance and paid in Common Stock in an amount ranging from zero (0) to 200 percent (200%) of the performance shares awarded. Due to Ms. Moore's retirement on April 29, 2005, these shares have been prorated based upon her four months of service during the period of January 1, 2005 and ending on December 31, 2006 pursuant to the terms of the Plan.
- Performance Shares awarded under the Long-Term Incentive Plan. Payment to which Grantee shall be entitled at the end of 2007 will be based on Grantee's performance and paid in Common Stock in an amount ranging from zero (0) to 200 percent (200%) of the performance shares awarded. Due to Ms. Moore's retirement on April 29, 2005, these shares have been prorated based upon her four months of service during the period of January 1, 2005 and ending on December 31, 2007 pursuant to the terms of the Plan.

**Remarks:**

Executed on behalf of Nancy J. Moore by Mark G. English, 05/03/2005  
Attorney-in-Fact

\*\* Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

\* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.

**POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS:

That the undersigned, Nancy J. Moore, does hereby constitute and appoint Barbara B. Curry, Mark G. English, Jacquetta Hartman or Vickie Flores her true and lawful attorney and agent, with full power and authority to execute in the name and on behalf of the undersigned individual a Report on Form 3, Form 4 or Form 5 and all amendments thereto; hereby granting unto such attorney and agent full power of substitution and revocation in the premises; and hereby ratifying and confirming all that such attorney and agent may do or cause to be done by virtue of these presents.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 3<sup>rd</sup> day of May 2005.

/s/Nancy J. Moore  
*Signature*  
Name Printed: Nancy J. Moore

STATE OF MISSOURI            )  
  ) ss  
COUNTY OF JACKSON        )

On this 3<sup>rd</sup> day of May 2005, before me the undersigned, a Notary Public, personally appeared Nancy J. Moore, to be known to be the person described in and who executed the foregoing instrument, and who, being by me first duly sworn, acknowledged that she executed the same as her free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed by official seal the day and year last above written.

/s/Jacquetta L. Hartman  
Notary Public

Ray County,  
Missouri

My Commission Expires:

April 8, 2008