FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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| | OMB Number: Estimated average burd | | | | | | |

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

| (Last) | and Address of Reporting Person* NG RICHARD A (First) (Middle) | | | | 3. D | Susuer Name and Ticker or Trading Symbol GREAT PLAINS ENERGY INC [GXP] Date of Earliest Transaction (Month/Day/Year) 08/05/2003 | | | | | | | | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner X Officer (give title below) below) VP of KCP&L (GPE subsidiary) | | | | |
|---|--|--|------------------|------------------------------|--|--|-----------------------|--------------|---|---------------------------|--------------------|--|--|--|--|---|--|---------------------------------------|
| (City) | CITY MO | | 54106 Zip) | | 4. If Amendment, Date of Original Filed (Month/Day/Year) | | | | | | | Line | Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person | | | | | |
| | | Tab | le I - Nor | ı-Deriv | /ative | e Se | curitie | s Acq | uired, | Dis | osed of | , or Ben | eficially | y Owned | | | | |
| Date | | | Date | Execut n/Day/Year) if any | | Execution if any | Execution Date, f any | | 3. Transaction Code (Instr. 8) 4. Securities Acquired Disposed Of (D) (Instr. 5) | | | 5. Amour Securities Beneficia Owned F | s lly ollowing | Form (D) or | : Direct r Indirect str. 4) | 7. Nature of Indirect Beneficial Ownership | | |
| | | | | | | | | | Code | v | Amount | (A) or (D) | Price | Reported Transaction(s) (Instr. 3 and 4) | | | | (Instr. 4) |
| Common Stock ⁽¹⁾ | | | 08/05 | 5/2003(1) | | (1) | | P | V | 75 | A | (1) | 2,9 | 2,984 | | I | 401-k | |
| Common S | Stock ⁽²⁾ | | | 08/0 | 5/200 | 3 | 08/05 | /2003 | J (2) | | 2,250 | A | A (2) 3,060 | |)60 | | D | |
| | | ٦ | Γable II - I | | | | | | | | osed of, o | | | Owned | | | | |
| 1. Title of Derivative Security (Instr. 3) 2. Conversi or Exerci Price of Derivativ Security | | 3. Transaction Date (Month/Day/Year) | Execution if any | Execution Date, if any | | 4. Transaction Code (Instr. 8) | | Derivative I | | Exerci on Da Day/Yo | | 7. Title and Amount of Securities Underlying Derivative Secu (Instr. 3 and 4) | | 8. Price of Derivative Security (Instr. 5) | 9. Number derivative Securities Beneficia Owned Following Reported | e ally g | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | Beneficial Ownership (Instr. 4) |
| | | | | | Code | v | (A) | (D) | Date Exercisa | able | Expiration Date | Title | Amount or Number of Shares | | Transacti (Instr. 4) | on(s) | | |
| Stock Options (Right to Buy) ⁽³⁾ | \$27.73 | 08/05/2003 | 08/05/20 | 003 | A | A 1,890 08/05/2006 08/05/2013 Common Stock 1,890 | | (3) | 13,890 | | D | | | | | | | |
| Performance Shares ⁽⁴⁾ | (4) | 08/05/2003 | 08/05/20 | 003 | Н | | | 5,000 | (4) | | (4) | Common Stock | (4) | (4) | 0 | | D | |
| Performance (5) | (5) | 08/05/2003 | 08/05/20 | 003 | A | | 1,405 | | (5) | | (5) | Common | 1,405 | (5) | 1,405 | 5 | D | |

Explanation of Responses:

- 1. Shares acquired since last report was filed through automatic payroll deduction/investment and participation in the Company's 401-k Plan.
- 2. Award of Restricted Stock pursuant to the Company's Long-Term Incentive Plan.
- 3. 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.
- 4. Cancellation of Performance Shares.
- 5. Award of Performance Shares under the Long-Term Incentive Plan. Payment to which Grantee shall be entitled at the end of 2006 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.

Remarks:

Shares⁽⁵⁾

Richard A. Spring

Stock

08/06/2003

** 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.