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FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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									
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1. Name and Address of Reporting Person* CURRY BARBARA B (Last) (First) (Middle) 1201 WALNUT STREET		2. Issuer Name and Ticker or Trading Symbol <u>GREAT PLAINS ENERGY INC</u> [GXP]	(Check	tionship of Reporting Pers all applicable) Director Officer (give title	on(s) to Issuer 10% Owner Other (specify	
		3. Date of Earliest Transaction (Month/Day/Year) 05/05/2009	X	below) SVP-HR and Corp	below)	
(Street) KANSAS CITY MO 641((City) (State) (Zip)		4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line) X	idual or Joint/Group Filing Form filed by One Repo Form filed by More thar Person	orting Person	

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)	Code (Instr.					5. Amount of Securities Beneficially Owned Following Reported	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	Transaction(s) (Instr. 3 and 4)		(1150.4)
Common Stock								867(1)	Ι	401-k
Common Stock	05/05/2009		A		16,145 ⁽²⁾	A	\$0 ⁽²⁾	51,770 ⁽³⁾	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. Transa Code (8)		of Exp		6. Date Exerc Expiration Da (Month/Day/N	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	Title	Amount or Number of Shares				

Explanation of Responses:

1. Amount includes 55 shares acquired between February 6, 2009, and May 5, 2009, from automatic payroll deduction/investment and participation in the Company's 401-k Plan.

2. Awards of restricted stock pursuant to the Company's Long-Term Incentive Plan.

3. Amount includes 298 shares acquired between February 6, 2009, and May 5, 2009, through participation in the Company's Dividend Reinvestment and Direct Stock Purchase Plan.

Remarks:



Person Date

05/07/2009

** Signature of Reporting Person

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.