SEC Form 4	
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FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

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

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			or Section 30(h) of the Investment Company Act of 1940			
1 I. Nume and Address of Reporting Leson			2. Issuer Name and Ticker or Trading Symbol <u>GREAT PLAINS ENERGY INC</u> [GXP]		ationship of Reporting Pe k all applicable) Director	10% Owner
		(Middle) GY INCORPORATED	3. Date of Earliest Transaction (Month/Day/Year) 03/02/2010	X	Officer (give title below) SVP-Deli	Other (specify below) very
(Street) KANSAS C	ITY MO	64105	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indi Line) X	vidual or Joint/Group Fili Form filed by One Re Form filed by More th Person	eporting Person
(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)	Code (ransaction Disposed Of (D) (Instr. 3, 4 and Code (Instr. 5)			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								1,621(1)	Ι	401(k)	
Common Stock	03/02/2010		Α		172 ⁽²⁾	A	\$0 ⁽²⁾	22,948	D		
Common Stock	03/02/2010		A		3,0 87 ⁽³⁾	A	\$0 ⁽³⁾	26,035 ⁽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		6. Date Exerc Expiration Da (Month/Day/)	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 14 shares acquired between February 6, 2010, and March 2, 2010, from automatic payroll deduction/investment and participation in the Company?s 401-K Plan.

2. Award of common stock pursuant to performance share grant under the Company?s Long-Term Incentive Plan.

3. Award of restricted stock pursuant to the Company?s Long-Term Incentive Plan.

Remarks:

Executed on behalf of MichaelDeggendorf, by Mark G.03/04/2010English, Attorney-in-Fact03/04/2010

** 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.