## FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENIT	OE CH	ANGES	IN REN	ıE

20349	OMB APP	OMB APPROVAL					
BENEFICIAL OWNERSHIP	OMB Number:	3235-0287					

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See	STATEMENT OF CHANGES IN BENEFICIAL OWN
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

Estimated average burden hours per response: 0.5

1. Name and Address of Reporting Person* FERGUSON RANDALL C JR					2. Issuer Name and Ticker or Trading Symbol GREAT PLAINS ENERGY INC [ GXP ]												Officer (give title below)		10% Owner Other (specify below)		vner
(Last) (First) (Middle) C/O GREAT PLAINS ENERGY INCORPORATED 1200 MAIN STREET					12/	3. Date of Earliest Transaction (Month/Day/Year) 12/28/2011															
					4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)										6. Individual or Joint/Group Filing (Check Applicable Line)					
(Street) KANSAS CITY MO 64105																X	X Form filed by One Reporting Person  Form filed by More than One Reporting Person				
(City)	(S	tate) (	(Zip)																		
		Tab	le I - Nor	n-Deriva	ative	e Se	curiti	es Ac	cqu	ıired, I	Disp	osed	of, oı	r Ben	eficia	lly (	Owne	d			
			Date	2. Transaction Date (Month/Day/Year)			2A. Deemed Execution Date if any (Month/Day/Yea					rities Acquired (A ed Of (D) (Instr. 3,			4 and Sec Ben Owr		Amount of ecurities eneficially wned Following		n: Direct or Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership	
										Code	v	Amoun	t	(A) or (D)	Price		Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)
Common Stock															6,402(1)		102(1)		D		
Common Stock														1,200				Keough Plan			
		Т	able II - I (	Derivat (e.g., pu												y Oı	wned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deeme Execution if any (Month/Day	Date,	1. Fransa Code (1		ı of		6. Date Exercisab Expiration Date (Month/Day/Year)				7. Title and Amount of Securities Underlying Derivative Secur (Instr. 3 and 4)			Der Sec	. Price of Perivative Security Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	Ownersh Form: Direct (D or Indire (I) (Instr.	Ownership	Beneficial Ownership t (Instr. 4)
				Co	Code	v	(A)	(D)	Dat Exe	te ercisable		piration te	Title	N O	Amount or Number of Shares	per					
Director Deferred	(2)	12/28/2011			A		633			(2)		(2)	Comr	non	633		\$0 <sup>(2)</sup>	11.281 <sup>(3</sup>	3)	D	

## **Explanation of Responses:**

Units

- 1. Amount includes 7 shares acquired between September 30, 2011, and December 28, 2011, through participation in the Company's Dividend Reinvestment and Direct Stock Purchase Plan.
- 2. Director Deferred Share Units are granted under the Long-Term Incentive Plan. Each unit represents the right to receive one share of Great Plains Energy Common Stock, plus stock reflecting reinvested dividends. Units are converted to stock and distributed on the January 31 following the date of termination of service on the Board.
- 3. Amount includes 106 Director Deferred Share Units ("DSUs") accrued from September 30, 2011, through December 28, 2011, through dividend reinvestment.

Executed on behalf of Randall

C. Ferguson, Jr. by Jaileah X.

12/29/2011

Huddleston, 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.