SEC Form 4	
------------	--

 \square

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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										
OMB Number:	3235-0287									
Estimated average burden										
hours per response:	0.5									

1. Name and Address of Reporting Person* <u>NELSON WILLIAM C</u>	2. Issuer Name and Ticker or Trading Symbol <u>GREAT PLAINS ENERGY INC</u> [GXP]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner
(Last) (First) (Middle) 4801 MAIN STREET, SUITE 500	3. Date of Earliest Transaction (Month/Day/Year) 01/22/2007	Officer (give title Other (specify below) below)
(Street) KANSAS CITY MO 64112 (City) (State) (Zip)	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting 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)	3. Transaction Code (Instr.4. Securities Disposed Of 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		
			Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(Instr. 4)	
Common Stock	01/22/2007		Р		1,587(1)	A	\$31.49	7,443 ⁽²⁾	D		
Common Stock								62	I	Wife	

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 Expiratio			6. Date Exercisable and Expiration Date A (Month/Day/Year) S U D S a			8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	Ownership Form:	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. Shares acquired with optional cash payment through participation in the Company's Dividend Reinvestment and Direct Stock Purchase Plan.

2. Amount includes 151 shares acquired between June 23, 2006 and January 22, 20076 through participation in the Company's Dividend Reinvestment and Direct Stock Purchase Plan.

Remarks:

Executed on behalf of William C. Nelson, by Mark G. English, 01/24/2007 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, William C. Nelson, does hereby constitute and appoint Barbara B. Curry or Mark G. English, his/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 24th day of January, 2007.

By: /s/ William C. Nelson

William C. Nelson

STATE OF MISSOURI)) ss COUNTY OF JACKSON)

On this 24th day of January, 2007, before me the undersigned, a Notary Public, personally appeared William C. Nelson, 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 he executed the same as his free act and deed.

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

By: /s/ Renee Ray

Notary Public Jackson County, Missouri

My Commission Expires:

August 30, 2010