Spectra Energy Corp. Form 4 May 14, 2007

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Last)

(City)

Common

Stock

(Print or Type Responses)

1. Name and Address of Reporting Person * Agnelli Roger

(Middle)

(Zip)

5400 WESTHEIMER COURT

(Street)

(State)

05/12/2007

(First)

2. Issuer Name and Ticker or Trading Symbol

Spectra Energy Corp. [SE]

3. Date of Earliest Transaction

(Month/Day/Year) 05/12/2007

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

Issuer

(Check all applicable)

X_ Director 10% Owner Other (specify Officer (give title

below) 6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

D

Person

HOUSTON, TX 77056-5310

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3)

(Month/Day/Year)

4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5)

(A)

5. Amount of Securities Beneficially Owned Following Reported

6. Ownership 7. Nature of Form: Direct Indirect (D) or Beneficial Indirect (I) Ownership (Instr. 4) (Instr. 4)

Transaction(s) (Instr. 3 and 4)

or (D) Price

Code V Amount

M 54 \$0 2,456

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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 control number.

SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	4. Transactic Code (Instr. 8)	5. onNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	3	Date	7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)
			Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
LTIP Phantom Stock Grant May 2005 (1)	(2)	05/12/2007	M	54	(3)	<u>(4)</u>	Common Stock	54	\$ 0

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
Agnelli Roger 5400 WESTHEIMER COURT HOUSTON, TX 77056-5310	X					

Signatures

by Beverly J. Fite as Attorney in Fact for Roger
Agnelli
05/14/2007

**Signature of Reporting Person Date

Explanation of Responses:

- * 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).
- On January 2, 2007, Duke Energy Corporation distributed all of the shares of common stock of Spectra Energy Corp to Duke Energy's shareholders. In connection with the distribution, the reporting person was granted long-term incentive awards in partial substitution of
- (1) shareholders. In connection with the distribution, the reporting person was granted long-term incentive awards in partial substitution of long-term incentive awards previously issued by Duke Energy.
- (2) Converts to Common Stock on a 1-for-1 basis.
- (3) The phantom shares vest in four annual installments beginning May 2007.
- (4) Expiration date not applicable.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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