Agnelli Roger Form 4 April 04, 2007

FORM 4

Check this box

if no longer

subject to

Section 16.

Form 4 or

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

Form 5 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).

(Print or Type Responses)

(Last)

(City)

1. Name and Address of Reporting Person * Agnelli Roger

(First)

(State)

(Middle)

(Zip)

2. Issuer Name and Ticker or Trading Symbol

Spectra Energy Corp. [SE]

3. Date of Earliest Transaction (Month/Day/Year)

04/03/2007

(Street) 4. If Amendment, Date Original

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to

OMB

Number:

Expires:

response...

Estimated average

burden hours per

OMB APPROVAL

3235-0287

January 31,

2005

0.5

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

Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

HOUSTON, TX 77056-5310

5400 WESTHEIMER COURT

1.Title of 2. Transaction Date 2A. Deemed 4. Securities 5. Amount of 6. Ownership 7. Nature of Security (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Securities Form: Direct Indirect (Instr. 3) Code Disposed of (D) Beneficially (D) or Beneficial (Month/Day/Year) (Instr. 8) (Instr. 3, 4 and 5) Owned Indirect (I) Ownership Following (Instr. 4) (Instr. 4) Reported

(A) Transaction(s) or (Instr. 3 and 4)

Code V Amount (D) Price

Common 04/03/2007 M 1,300 A \$0 2,243 D Stock

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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. Number Diof Derivation Securities Acquired (A) or Disposed (D) (Instr. 3, 4 and 5) | ve Expiration Da (Month/Day/ [*] | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | |
|---|---|---|--|---|--|--|-----------------|---|----|
| | | | Code V | (A) (D | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | |
| LTIP Phantom Stock Granted in 2006 | (1) | 04/03/2007 | M | 1,30 | 00 04/03/2007 | (2) | Common Stock | 1,300 | \$ |

Reporting Owners

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

Signatures

Beverly J. Fite as Attorney in Fact for Roger Agnelli. 04/04/2007

**Signature of Reporting Person

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).
- (1) Converts to Common Stock on a 1-for-1 basis.
- (2) 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.

Date

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