

Fiedorek Robert Mark  
 Form 4  
 February 20, 2013

**FORM 4**

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

OMB APPROVAL

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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 OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
 Fiedorek Robert Mark

(Last) (First) (Middle)  
 5400 WESTHEIMER COURT  
 (Street)

HOUSTON, TX 77056

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
 Spectra Energy Corp. [SE]

3. Date of Earliest Transaction (Month/Day/Year)  
 02/18/2013

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)  
 President SET West

6. Individual or Joint/Group Filing (Check Applicable Line)  
 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. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
|                                 |                                      |  | Code                           | V   | Amount  | (A) or (D)   | Price                             |
| Common Stock                    | 02/18/2013                           |  | M                              |   | 8,800   | A  | \$ 29.46                          |
| Common Stock                    | 02/18/2013                           |  | M                              |   | 3,520   | A  | \$ 29.46                          |
| Common Stock                    | 02/18/2013                           |  | F                              |   | 2,407   | D  | \$ 29.46                          |
| Common Stock                    | 02/18/2013                           |  | F                              |   | 963   | D  | \$ 29.46                          |
| Common Stock                    |                                      |  |                                |   |   |  | 4,000                             |
|                                 |                                      |  |                                |   |   | I  | By Son                            |

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

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(9-02)

**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. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | Amount or Number of Shares |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|----------------------------|
| Performance Shares                         | (2)  | 02/18/2013                           |  | M                              | 8,800<br>(3)  | 02/23/2013(4) (5)  | Common Stock  | 8,800                      |
| Performance Shares                         | (2)  | 02/18/2013                           |  | M                              | 3,520<br>(3)  | 02/23/2013(4) (5)  | Common Stock  | 3,520                      |

## Reporting Owners

| Reporting Owner Name / Address                                     | Relationships |           |                    |       |
|--|---------------|-----------|--------------------|-------|
|  | Director      | 10% Owner | Officer            | Other |
| Fiedorek Robert Mark<br>5400 WESTHEIMER COURT<br>HOUSTON, TX 77056 |               |           | President SET West |       |

## Signatures

/s/Emily L. Strait as Attorney-in-Fact for R. Mark Fiedorek 02/20/2013

\*\*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).

- (1) Includes 24,009 held by Trustee in the Retirement Savings Plan.
- (2) Converts to Common Stock on a 1-to-1 basis.
- (3) Performance award is greater than original target.
- (4) Grant cliff vests 3 years from date of grant.

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(5) 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.

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