

Baker Stephen W
Form 4
April 21, 2010

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
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

OMB APPROVAL

OMB
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(Print or Type Responses)

1. Name and Address of Reporting Person *
Baker Stephen W

(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)

04/20/2010

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

5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

____ Director ____ 10% Owner
__X__ Officer (give title ____ Other (specify
below) below)

Vice President and Treasurer

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. 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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price		
Common Stock	04/20/2010		M		424	A	\$ 17.71	4,583	D <u>(1)</u>
Common Stock	04/20/2010		S		424	D	\$ 23.3334	4,159	D <u>(1)</u>
Common Stock								2,176	I <u>(2)</u> By Spouse
Common Stock								2,660	I <u>(3)</u> By Spouse
Common Stock								7,319	I <u>(3)</u> By Trustee

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Common Stock	179	I ⁽⁴⁾	By Trustee
Common Stock	3,128	I ⁽⁵⁾	By Trustee

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)		8. D S (I
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Employee Stock Option (Right to Buy)	\$ 17.7	04/20/2010		M	424	04/25/2000	04/25/2010	Common Stock	424	

Reporting Owners

Reporting Owner Name / Address	Relationships
	Director 10% Owner Officer Other
Baker Stephen W 5400 WESTHEIMER COURT HOUSTON, TX 77056	Vice President and Treasurer

Signatures

/s/ Beverly J. Fite, attorney-in-fact for Stephen W.
Baker

04/21/2010

**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) Total includes 167 shares in RRSP (Canadian Retirement Savings Plan)

(2) Shares held in RRSP (Canadian Retirement Savings Plan)

(3) Shares in EPSP (Canadian Employee Savings Plan)

(4) Shares in RESP (Canadian Education Plan for Children)

(5) Ancillary defined benefit plan.

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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