Szurek Paul E. Form 4 January 19, 2011

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

(Print or Type Responses)

1. Name and Address of Reporting Person * Szurek Paul E.

> (First) (Middle)

(Last)

1050 17TH STREET, SUITE 800

(Street)

DENVER, CO 80265

2. Issuer Name and Ticker or Trading Symbol

CoreSite Realty Corp [COR]

3. Date of Earliest Transaction

(Month/Day/Year) 01/14/2011

4. If Amendment, Date Original

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

OMB

Number:

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response...

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OMB APPROVAL

3235-0287

January 31,

2005

0.5

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

6. Individual or Joint/Group Filing(Check Applicable Line)

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

6. Ownership

Form: Direct

(Instr. 4)

(D) or Indirect Beneficial

7. Nature of

Ownership

(Instr. 4)

(9-02)

Indirect

Person

5. Amount of

Securities

Beneficially

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

(City) (State) (Zip) 1. Title of

Security

(Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if

(Month/Day/Year)

4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8)

(Instr. 3, 4 and 5)

Owned Following

Reported (A) Transaction(s) or (Instr. 3 and 4) Code V Amount (D) Price

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

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

1. Title of Derivative Conversion Security or Exercise (Instr. 3) Price of

3. Transaction Date 3A. Deemed (Month/Day/Year)

Execution Date, if (Month/Day/Year)

5. 4. TransactionNumber Code of

Derivative

(Instr. 8)

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Amount of 8. Price **Underlying Securities** (Instr. 3 and 4)

Derivati Security (Instr. 5)

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| | Derivative Security | | | | Acqu | | | | | | |
|--------------------------|------------------------|------------|------|---|---------------------------------------------|-----------------------|---------------------|--------------------|-----------------|----------------------------------------|------|
| | | | | | (A) o Dispo of (D (Instr 4, and | oosed O) tr. 3, | | | | | |
| | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | |
| Restricted Stock Unit | <u>(1)</u> | 01/14/2011 | A | | 23 | | (2) | (2) | Common Stock | 23 | \$ 0 |

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

Szurek Paul E.

1050 17TH STREET, SUITE 800 X

DENVER, CO 80265

Signatures

/s/ Erick H. Bromfield, attorney-in-fact 01/19/2011

**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).
- Each Restricted Stock Unit ("RSU") represents the right to receive one share of Common Stock. The reporting person also holds a tandem

 (1) Dividend Equivalent ("DE") for each RSU held, which gives the reporting person the right to receive, upon the payment of any ordinary quarterly cash dividend paid to holders of Common Stock, an equivalent payment in the form of additional RSUs and DEs.
- (2) The RSUs are payable upon the reporting person's termination of service as a director and have no expiration date.

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.

Reporting Owners 2