Koehler Michael R Form 4 May 23, 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

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(b).

(Last)

1. Name and Address of Reporting Person * Koehler Michael R

(First)

(Middle)

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) 05/19/2011

4. If Amendment, Date Original

Filed(Month/Day/Year)

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

Person

(City) (State) (Zip)

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 (Instr. 8)

Disposed of (D) (Instr. 3, 4 and 5)

(A) or Code V Amount (D) Price

5. Amount of Securities Beneficially Owned

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

Issuer

below)

X Director

Officer (give title

Following Reported Transaction(s)

(Instr. 3 and 4)

(Instr. 4)

6. Ownership

Form: Direct

(D) or Indirect Beneficial

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

5. Relationship of Reporting Person(s) to

6. Individual or Joint/Group Filing(Check

(Check all applicable)

10% Owner

Other (specify

7. Nature of

Ownership

(Instr. 4)

SEC 1474

(9-02)

Indirect

Estimated average

burden hours per

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. Number 4. Transaction of Derivative Expiration Date Code Securities (Instr. 8) Acquired

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

Underlying Securities (Instr. 3 and 4)

7. Title and Amount of 8. Pr Deri Secu (Inst

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	Derivative Security				(A) or Disposed (D) (Instr. 3, and 5)						
			Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Restricted Stock Unit	<u>(1)</u>	05/19/2011	A		2,394		(2)	(3)	Common Stock	2,394	

Reporting Owners

Reporting Owner Name / Address	Relationships						
Troporting O William Community	Director	10% Owner	Officer	Other			
Koehler Michael R 1050 17TH STREET SUITE 800 DENVER, CO 80265	X						

Signatures

/s/ Derek S. McCandless,
attorney-in-fact

**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 will vest on September 28, 2011, and thereafter will be payable upon the reporting person's termination of service as a director.
- (3) The RSUs have no expiration date.

Remarks:

Exhibit List

Exhibit 24 - Confirming Statement

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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