Peterson Scott E Form 4 November 04, 2010

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

OMB APPROVAL OMB

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Check this box if no longer subject to Section 16. Form 4 or

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Form 5 obligations may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

(First)

Peterson Scott E

(Last)

(City)

(Instr. 3)

2. Issuer Name and Ticker or Trading Symbol

Digital Realty Trust, Inc. [DLR]

3. Date of Earliest Transaction

(Month/Day/Year) 11/02/2010

Issuer

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

(Check all applicable)

5. Relationship of Reporting Person(s) to

Senior VP, Acquisitions

560 MISSION STREET, SUITE 2900

> (Street) 4. If Amendment, Date Original

(Middle)

(Zip)

Filed(Month/Day/Year)

Applicable Line) _X_ Form filed by One Reporting Person

6. Individual or Joint/Group Filing(Check

Form filed by More than One Reporting

Person

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

SAN FRANCISCO, CA 94105

(State)

1. Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year)

Execution Date, if (Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially Owned Following

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (I) (Instr. 4) (Instr. 4)

Reported Transaction(s) (Instr. 3 and 4)

Code V Amount (D) Price

(A)

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)

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5. Number of	6. Date Exercisable and	7. Title and Amount of	8
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	onDerivative	Expiration Date	Underlying Securities	I
Security	or Exercise		any	Code	Securities	(Month/Day/Year)	(Instr. 3 and 4)	S

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(Instr. 3)	Price of Derivative Security		(Month/Day/Year)	(Instr. 8	(I	Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)					(
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Share	
Long-Term Incentive Units (1)	<u>(2)</u>	11/02/2010		A	2	21,663		<u>(3)</u>	<u>(4)</u>	Common Stock	21,663	,

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Peterson Scott E

560 MISSION STREET, SUITE 2900 SAN FRANCISCO, CA 94105

Senior VP, Acquisitions

Signatures

/s/ Barbara Polster, attorney-in-fact

11/04/2010

**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).

Long-term incentive units are membership interests in Digital Realty Trust, L.P., a Maryland limited partnership of which Digital Realty Trust, Inc. (the "Issuer") is the general partner (the "Operating Partnership"). Long-term incentive units receive the same quarterly distributions as common limited partnership units of the Operating Partnership ("Common Units"). Long-term incentive units may initially not have full parity with Common Units with respect to liquidating distributions; however, upon the occurrence of

- may initially not have full parity with Common Units with respect to liquidating distributions; however, upon the occurrence of specified events, long-term incentive units may achieve full parity with Common Units for all purposes, and thereafter vested long-term incentive units may be converted into an equal number of Common Units on a one-for-one basis at any time. Common Units will be redeemable for cash based on the fair market value of an equivalent number of shares of the Issuer's common stock, or, at the election of the Issuer, for an equal number of shares of the Issuer's common stock.
- (2) 1 for 1.
- (3) Thirty percent (30%) of these units will vest on March 1, 2011, an additional 30% will vest on March 1, 2012 and the remaining 40% will vest on March 1, 2013.
- (4) N/A

Remarks:

This statement of changes in beneficial ownership ("Form 4") of securities of Digital Realty Trust, Inc. (the "Issuer") is being

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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