Peterson Scott E Form 4 November 17, 2009

FORM 4

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

OMB Number: 3235-0287

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Number: January 31, 2005

0.5

OMB APPROVAL

Form 4 or Form 5 obligations may continue.

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

burden hours per response...

Estimated average

See Instruction 1(b).

(City)

(State)

(Zin)

(Print or Type Responses)

1. Name and Address of Reporting Person * Peterson Scott E	2. Issuer Name and Ticker or Trading Symbol Digital Realty Trust, Inc. [DLR]	5. Relationship of Reporting Person(s) to Issuer			
(Last) (First) (Middle)	3. Date of Earliest Transaction	(Check all applicable)			
(Last) (First) (Middle)	• · - ···· · · - ···· · · · · · · · · ·	Director 10% Owner			
560 MISSION STREET, SUITE 2900	(Month/Day/Year) 11/13/2009	Officer (give title Other (specify below) Senior VP, Acquisitions			
(Street)	4. If Amendment, Date Original 6. Individual or Joint/Group				
SAN FRANCISCO, CA 94105	Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			

Table I - Non-Derivative Securities						ties Acq	Acquired, Disposed of, or Beneficially Owned				
	1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any	3. 4. Secur Transaction(A) or Code (D)		rities Acquired Disposed of		5. Amount of Securities Beneficially	6. Ownership Form: Direct (D) or	7. Nature of Indirect Beneficial	
			(Month/Day/Year)	(Instr. 8) Code V	(Instr. 3,	(A) or (D)	5) Price	Owned Following Reported Transaction(s) (Instr. 3 and 4)	Indirect (I) (Instr. 4)	Ownership (Instr. 4)	
	Common Stock	11/13/2009		M(1)		A	<u>(2)</u>	6,884	D		
	Common Stock	11/13/2009		S	6,884	D	\$ 47.5	0	D		

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

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SEC 1474

(9-02)

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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 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. Transacti Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exer Expiration D (Month/Day/	ate	7. Title and A Underlying S (Instr. 3 and	Securities	8. l De Sec (In
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Long-Tem Incentive Units (1) (2)	(3)	11/13/2009		M	6,884	(2)	<u>(4)</u>	Common Stock	6,884	

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

11/17/2009

**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).
- Scott E. Peterson converted 6,884 long-term incentive units into common limited partnership units ("Common Units") of Digital Realty
 Trust, L.P., a Maryland Limited Partnership (the "Operating Partnership"), and subsequently redeemed the 6,884 Common Units for
 6,884 shares of the common stock of Digital Realty Trust, Inc. (the "Issuer"), all in accordance with the requirements of the Limited
 Partnership Agreement of the Operating Partnership.
 - Long-term incentive units are profits interest units in the Operating Partnership. Vested profits interest units may be converted into an equal number of Common Units in the Operating Partnership on a one-for-one basis at any time. Common Units are redeemable for cash
- (2) 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, subject to adjustment in the event of stock splits, stock dividends, issuance of stock rights, specified extraordinary distributions or similar events.
- (**3**) 1 for 1.
- (4) N/A

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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