

Silverman Lester P
 Form 4
 December 18, 2009

FORM 4

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

OMB APPROVAL

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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 *
 Silverman Lester P

(Last) (First) (Middle)

PEPCO HOLDINGS INC, 701 9TH STREET NW, SUITE 1300

(Street)

WASHINGTON, DC 20068

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
 PEPCO HOLDINGS INC [POM]

3. Date of Earliest Transaction
 (Month/Day/Year)
 12/16/2009

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

6. Individual or Joint/Group Filing(Check Applicable Line)
 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 Ownership (Instr. 4)
Common Stock				(A) or (D) Code V Amount (D) Price	6,000	D	

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)

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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)	Amount or Number of Shares
Phantom Stock ⁽¹⁾	<u>(2)</u>	12/16/2009		A	114.9095	<u>(2)</u> <u>(2)</u>	Common Stock	114.9095
Phantom Stock ⁽¹⁾	<u>(2)</u>	12/17/2009		A	232.3555	<u>(2)</u> <u>(2)</u>	Common Stock	232.3555

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Silverman Lester P PEPCO HOLDINGS INC 701 9TH STREET NW, SUITE 1300 WASHINGTON, DC 20068		X		

Signatures

Lester P. Silverman by Ellen Sheriff Rogers,
Attorney-in-Fact 12/18/2009

__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).

- Acquired in consideration for services, with the number of shares of phantom stock calculated by dividing the amount of meeting fees and/or retainer payable (\$2,000 per meeting or that portion of the annual retainer of \$85,000 and, if applicable, Committee Chairman
- (1) annual retainer of either \$5,000 or \$7,500 and Lead Independent Director annual retainer of \$15,000, which the director elected to receive in phantom stock) by the market price of the Pepco Holdings, Inc. (PHI) shares at the close of business two business days before the meeting or retainer payment date, respectively.
 - (2) Phantom stock on a date specified or to be specified by the participant is settled in cash in an amount equal to the market price of the PHI common stock on the settlement 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.