#### PEPCO HOLDINGS INC

Form 4

January 26, 2010

# FORM 4

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

**OMB APPROVAL OMB** 

Check this box

3235-0287 Number:

if no longer subject to Section 16. Form 4 or

January 31, Expires: 2005 Estimated average

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

burden hours per response... 0.5

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 ** RIGBY JOSEPH M			2. Issuer Name <b>and</b> Ticker or Trading Symbol PEPCO HOLDINGS INC [POM]	5. Relationship of Reporting Person(s) to Issuer  (Check all applicable)			
(Last) (First) (Middle)		(Middle)	3. Date of Earliest Transaction	(===== <b>un upp112u</b> 012)			
PEPCO HOLDINGS, INC., 701 NINTH STREET, NW			(Month/Day/Year) 01/25/2010	_X_ Director 10% Owner Specify Delow)			
(Street)			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Chec			
WASHINGT	ON, DC 200	068	Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			

(City)	(State)	(Zip) Tabl	e I - Non-D	erivative	Secur	ities Acq	uired, Disposed o	f, or Beneficial	ly Owned
1.Title of	2. Transaction Date		3.	4. Securi		•	5. Amount of	6. Ownership	
Security	(Month/Day/Year)	Execution Date, if	Transaction(A) or Disposed of (D)			` ′	Securities	Form: Direct	Indirect
(Instr. 3)		any	Code	Code (Instr. 3, 4 and 5)		Beneficially	(D) or	Beneficial	
		(Month/Day/Year)	(Instr. 8)	istr. 8)		Owned	Indirect (I)	Ownership	
							Following	(Instr. 4)	(Instr. 4)
					( 4 )		Reported		
					(A)		Transaction(s)		
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)		
C			Code v	Amount	(D)	Price			D 401.1
Common							5,811	Ī	By 401-k
Stock							2,011	•	plan
C						¢			
Common	01/25/2010		F	2,253	D	<b>3</b>	101,747	D	
Stock				,		16.64	, , , , ,		

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.

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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	2.	3. Transaction Date		4. T	5.	6. Date Exer		7. Titl		8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if		ionNumber	Expiration D		Amou		Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day	(Year)	Under	, ,	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivativ	e		Securi	ities	(Instr. 5)	Bene
	Derivative				Securities	3		(Instr.	3 and 4)		Owne
	Security				Acquired						Follo
	Ť				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						(211512
					4, and 5)						
					4, and 3)						
									Amount		
						<b>.</b>	<b>.</b>		or		
						Date Expiration	Title				
						Exercisable	Date		of		
				Code V	(A) (D)				Shares		

## **Reporting Owners**

	Relationships		
Reporting Owner Name / Address			

X

Director 10% Owner Officer Other

RIGBY JOSEPH M PEPCO HOLDINGS, INC. 701 NINTH STREET, NW WASHINGTON, DC 20068

Chairman, President & CEO

## **Signatures**

Joseph M. Rigby by Ellen Sheriff Rogers, Attorney-in-Fact

01/26/2010

\*\*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).

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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