PEPCO HOLDINGS INC

Form 4

August 22, 2006

FORM 4

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

OMB Number: 3235-0287

Estimated average

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Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Expires: January 31, 2005

0.5

OMB APPROVAL

Form 4 or 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

response...

1(b).

(Print or Type Responses)

(State)

1. Name and Address of Reporting Person * WRAASE DENNIS R			2. Issuer Name and Ticker or Trading Symbol PEPCO HOLDINGS INC [POM]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
(Last)	(First)	(Middle)	3. Date of Earliest Transaction					
701 NINTH ST NW STE 1300		300	(Month/Day/Year) 08/21/2006	_X_ Director 10% Owner _X_ Officer (give title Other (specify below) Chairman, President & CEO				
(Street)			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check				
WASHINGTON, DC 20068			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person				

(City)	(State) (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. Transactic Code (Instr. 8)	4. Securities Acquired on(A) or Disposed of (D) (Instr. 3, 4 and 5) (A) or		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 Indirect Beneficial Ownership (Instr. 4)		
Common Stock			Code	rinount	(D)	THEC	14,553	I	By 401-k plan	
Common Stock	08/21/2006		M	2,700	A	\$ 22.75	81,221	D		
Common Stock	08/21/2006		S	2,700	D	\$ 24.61	78,521	D		
Common Stock	08/21/2006		M	2,100	A	\$ 22.57	80,621	D		
Common Stock	08/21/2006		S	2,100	D	\$ 24.62	78,521	D		

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Common Stock	08/21/2006	M	2,100	A	\$ 22.57	80,621	D
Common Stock	08/21/2006	S	2,100	D	\$ 24.63	78,521	D
Common Stock	08/21/2006	M	800	A	\$ 22.57	79,321	D
Common Stock	08/21/2006	S	800	D	\$ 24.64	78,521	D
Common Stock	08/21/2006	M	300	A	\$ 22.57	78,821	D
Common Stock	08/21/2006	S	300	D	\$ 24.65	78,521	D
Common Stock	08/21/2006	M	100	A	\$ 22.57	78,621	D
Common Stock	08/21/2006	S	100	D	\$ 24.66	78,521	D
Common Stock	08/21/2006	M	200	A	\$ 22.57	78,721	D
Common Stock	08/21/2006	S	200	D	\$ 24.67	78,521	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)

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. Transact Code (Instr. 8)	5. ionNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	:	ate	Secur	int of rlying	8. Price of Derivative Security (Instr. 5)
				Code V	/ (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

WRAASE DENNIS R

701 NINTH ST NW STE 1300 X Chairman, President & CEO

WASHINGTON, DC 20068

Signatures

Dennis R. Wraase by Ellen Sheriff Rogers, Attorney-in-Fact

08/22/2006

**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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