

PECO II INC  
 Form 3  
 February 11, 2005

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF 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 *		2. Date of Event Requiring Statement	3. Issuer Name and Ticker or Trading Symbol	
Green Mary Janet		(Month/Day/Year)	PECO II INC [(PIII)]	
(Last)	(First)	(Middle)	08/15/2000	
1376 ST. RT. 598, PO BOX 910		4. Relationship of Reporting Person(s) to Issuer		5. If Amendment, Date Original Filed(Month/Day/Year)
(Street)		(Check all applicable)		
GALION, OH 44833		<input type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner <input type="checkbox"/> Officer <input type="checkbox"/> Other (give title below)    (specify below)		6. Individual or Joint/Group Filing(Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person
(City)	(State)	(Zip)		

**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	2,252,200	I	By Trust <sup>(1)</sup>

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
		Title			

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	Date Exercisable	Expiration Date		Amount or Number of Shares		or Indirect (I) (Instr. 5)	
Non-Qualified Stock Option (right to buy)	11/20/2001	11/20/2005	Common Stock	1,144	\$ 20.125	I	By Spouse
Non-Qualified Stock Option (right to buy)	07/17/2002	07/17/2006	Common Stock	1,000	\$ 6.37	I	By Spouse
Non-Qualified Stock Option (right to buy)	12/16/2003	06/16/2008	Common Stock	250,000	\$ 0.66	I	By Spouse

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Green Mary Janet 1376 ST. RT. 598 PO BOX 910 GALION, OH 44833	Â	Â X	Â	Â

## Signatures

Lisa A. Green for: Mary Janet Green	02/11/2005
**Signature of Reporting Person	Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, see Instruction 5(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).
- (1) Shares owned directly by the Green Family Trust, and indirectly by Mary Janet Green as co-trustee of the trust with her spouse, James L. Green.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, See Instruction 6 for procedure.  
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