EATON CORP Form 4 January 21, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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Expires:

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OMB APPROVAL

if no longer subject to Section 16. Form 4 or Form 5 obligations may continue.

See Instruction

Check this box

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(b).

1. Name and Address of Reporting Person * PELSON VICTOR A

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

EATON CORP [ETN]

(Check all applicable)

(First) (Middle) (Last)

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

X_ Director 10% Owner Other (specify Officer (give title

EATON CENTER, 1111 SUPERIOR 01/19/2010 **AVENUE**

(Street)

(State)

(Zip)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year)

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

D

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

below)

CLEVELAND, OH 44114

(City)

1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired (A) 5. Amount of 7. Nature of Security (Month/Day/Year) Execution Date, if Transaction Disposed of (D) Securities Ownership Indirect (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Beneficial (Month/Day/Year) (Instr. 8) Owned Direct (D) Ownership Following or Indirect (Instr. 4) Reported (I) (A) Transaction(s) (Instr. 4)

or (Instr. 3 and 4) Amount (D) Price

Common 01/19/2010 Shares

Code V 11,683.11 $16,252^{(3)}$ M (2) (1)

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. Transactio Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)				7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Phantom Shares	\$ 0	01/19/2010		M		11,683.11 (4)	(5)	(5)	Common Shares	11,683.11

Reporting Owners

Reporting Owner Name / Address	Relationships						
•	Director	10% Owner	Officer	Other			
PELSON VICTOR A EATON CENTER 1111 SUPERIOR AVENUE CLEVELAND, OH 44114	X						

Signatures

/s/Kathleen S. O'Connor, as Attorney-in-Fact

01/21/2010

**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).
- These common shares were acquired upon settlement of certain Phantom Share Units. Such Phantom Share Units were held by the reporting person in an account maintained under the issuer's 1996 Non-Employee Director Fee Deferral Plan.
- (2) Each Phantom Share Unit is the economic equivalent of one common share of the issuer.
- (3) Aggregate holdings have been adjusted to reflect the cash-out of fractional shares in connection with the settlement of certain Phantom Share Units.
- (4) These Phantom Share Units were surrendered in settlement for common shares of the issuer.
- (5) This field is not applicable.

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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