Connor Christopher M Form 4 July 02, 2010

Check this box

if no longer

subject to

Section 16.

Form 4 or

Form 5

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Connor Christopher M

2. Issuer Name and Ticker or Trading

Symbol

EATON CORP [ETN]

(First) (Middle) (Last) 3. Date of Earliest Transaction

(Month/Day/Year)

EATON CENTER, 1111 SUPERIOR 06/30/2010 **AVENUE**

(Street)

4. If Amendment, Date Original

Filed(Month/Day/Year) Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

6. Individual or Joint/Group Filing(Check

5. Relationship of Reporting Person(s) to

(Check all applicable)

10% Owner

Other (specify

7. Nature of

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

Issuer

below)

X_ Director

Officer (give title

CLEVELAND, OH 44114

1.Title of

Security

(Instr. 3)

(City) (State) (Zip)

(Month/Day/Year)

2. Transaction Date 2A. Deemed

3. 4. Securities Execution Date, if TransactionAcquired (A) or

Code (Month/Day/Year)

Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5)

Securities Beneficially Owned Following

5. Amount of

Form: Direct Indirect (D) or Indirect Beneficial (I) Ownership (Instr. 4) (Instr. 4)

6. Ownership

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

Reported (A) Transaction(s) or (Instr. 3 and 4) Code V Amount (D) Price

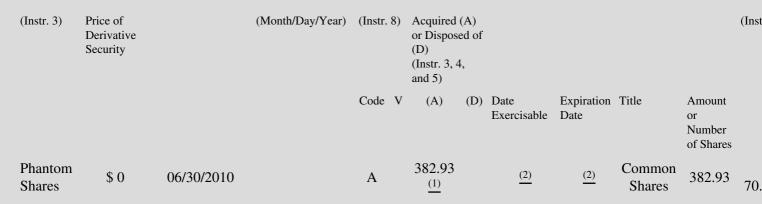
Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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.

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	3A. Deemed	4.	5. Number of	6. Date Exercisable and	7. Title and Amount of	8. Pr
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transactio	orDerivative	Expiration Date	Underlying Securities	Deri
Security	or Exercise		any	Code	Securities	(Month/Day/Year)	(Instr. 3 and 4)	Secu

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Reporting Owners

Reporting Owner Name / Address	Relationships				
	Director	10% Owner	Officer	Other	
Connor Christopher M EATON CENTER 1111 SUPERIOR AVENUE CLEVELAND, OH 44114	X				

Signatures

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

**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 Phantom Share Units were acquired by the reporting person's deferral of fees in the 2005 Non-Employee Director Fee Deferral
- (1) Plan. The number of Phantom Share Units acquired is based on the average of the mean prices for Eaton Common Shares for the twenty trading days immediately preceding the end of the calendar quarter in which the fees deferred were earned.
- (2) This field is not applicable.
- (3) Represents the total number of Phantom Share Units allocated to the account of the reporting person pursuant to the issuer's 2005 Non-Employee Director Fee Deferral Plan and includes Phantom Share Units acquired pursuant to dividend reinvestment.

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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