McGuire Mark M Form 4 February 25, 2010

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

OMB APPROVAL OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

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

January 31, Expires: 2005 Estimated average

Form 4 or Form 5 obligations may continue.

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

burden hours per response... 0.5

See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * McGuire Mark M

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Symbol

EATON CORP [ETN]

(Check all applicable)

(Last)

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

Director 10% Owner

EATON CENTER, 1111 SUPERIOR 02/23/2010

(Street)

AVENUE

_X__ Officer (give title _ Other (specify

below) EVP and General Counsel

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

Person

CLEVELAND, OH 44114-2584

(City)	(State)	(Zip) Table	e I - Non-D	erivative	Secur	ities Acq	uired, Disposed of	f, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)			5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		
Common Shares	02/23/2010		A	3,000 (1)	A	\$0	22,678	D	
Common Shares	02/24/2010		M	1,075 (2)	A	\$0	23,753	D	
Common Shares	02/24/2010		F	344 (3)	D	\$ 66.63	23,409	D	
Common Shares							887.031 <u>(4)</u>	I	by trustee of ESP

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

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SEC 1474 (9-02)

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. Transacti Code (Instr. 8)			6. Date Exercisable and Expiration Date (Month/Day/Year)		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
Restricted Stock Units	\$ 0 (5)	02/24/2010		M		1,075 (6)	<u>(7)</u>	<u>(7)</u>	Common Shares	1,075
Restricted Stock Units	\$ 0 (5)	02/23/2010		A	9,735		<u>(7)</u>	<u>(7)</u>	Common Shares	9,735

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
McGuire Mark M			EVD 1				
EATON CENTER			EVP and				
1111 SUPERIOR AVENUE			General				
CLEVELAND, OH 44114-2584			Counsel				

Signatures

/s/Kathleen S. O'Connor, as Attorney-in-Fact 02/25/2010

**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).
- (1) These shares represent restricted shares issued under an Eaton Corporation stock plan and are subject to risk of forfeiture.
- (2) These common shares were acquired upon the vesting and settlement of certain restricted stock units.
- (3) These shares were delivered to the issuer to pay for the applicable withholding tax due upon vesting of certain restricted stock units.

(4) These shares are held in the Eaton Savings Plan.

Reporting Owners 2

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- (5) Each restricted stock unit represents a contingent right to receive one common share of the issuer.
- (6) These restricted stock units were surrendered in exchange for common shares of the issuer.
- (7) These restricted stock units vest in four equal annual installments beginning on the first anniversary of the date of grant.

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.