EATON CORP Form 4 July 05, 2006

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

Number: 3235-0287

Expires: January 31, 2005
Estimated average

0.5

burden hours per response...

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

1(b).

Shares

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading MCCOY DEBORAH L Issuer Symbol EATON CORP [ETN] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) X_ Director 10% Owner Officer (give title Other (specify 2351 KELVING 06/30/2006 below) (Street) 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 HOUSTON, TX 77030 Person (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 4. Securities 5. Amount of 6. Ownership 7. Nature of Security (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Securities Form: Direct Indirect (Instr. 3) Code Disposed of (D) Beneficially (D) or Beneficial Indirect (I) (Month/Day/Year) (Instr. 8) (Instr. 3, 4 and 5) Owned Ownership Following (Instr. 4) (Instr. 4) Reported (A) Transaction(s) or (Instr. 3 and 4) Code V Amount (D) Price Common 3,400 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)

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1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5. Number of	6. Date Exer	cisable and	7. Title and A	Amount of	8. Pr
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transactio	orDerivative	Expiration D	Expiration Date Unde		Inderlying Securities	
Security	or Exercise		any	Code	Securities	(Month/Day	/Year)	(Instr. 3 and	4)	Secu
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Acquired (A)					(Inst
	Derivative				or Disposed of	•				
	Security				(D)					
	•				(Instr. 3, 4,					
					and 5)					
				C 1 W	(A) (D)	ъ.	E	m: a		
				Code V	(A) (D)		Expiration	Title	Amount	
						Exercisable	Date		or	
									Number	
									of Shares	
Phantom					400.96			Common		
	\$ 0	06/30/2006	(1)	A	(2)	(1)	(1)		400.96	\$ 72
Shares					(2)			Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
1	Director	10% Owner	Officer	Other			
MCCOY DEBORAH L							
2351 KELVING	X						
HOUSTON, TX 77030							

Signatures

/s/ Claudia J. Taller as attorney-in-fact 07/05/2006

**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).
- (1) This field is not applicable.
 - These phantom share units were acquired by the reporting person's deferral of fees in the 2005 Non-Employee Director Fee Deferral Plan.
- (2) 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.
- (3) Represents the total number of phantom share units allocated to the account of the reporting person pursuant to the company's 1996 Non-Employee Director Fee Deferral Plan and 2005 Non-Employee Director Fee Deferral Plan.

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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