

AHEARNE JOHN F
 Form 4
 March 01, 2006

FORM 4

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

OMB APPROVAL

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STATEMENT OF CHANGES IN 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 *
 AHEARNE JOHN F

2. Issuer Name and Ticker or Trading Symbol
 WISCONSIN ENERGY CORP
 [WEC]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)
 02/27/2006

Director 10% Owner
 Officer (give title below) Other (specify below)

231 WEST MICHIGAN STREET

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

MILWAUKEE,, WI 53203

(City) (State) (Zip)

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

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
				(A) or (D)	Price		
				Code	V	Amount	
Common Stock	02/27/2006		M	A	3,000	\$ 29.344	14,141 ⁽¹⁾ D
Common Stock	02/27/2006		M	A	2,000	\$ 25.925	16,141 ⁽¹⁾ D
Common Stock	02/27/2006		S	D	2,600	\$ 40.85	13,541 ⁽¹⁾ D
Common Stock	02/27/2006		S	D	600	\$ 40.86	12,941 ⁽¹⁾ D
Common Stock	02/27/2006		S	D	400	\$ 40.88	12,541 ⁽¹⁾ D

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Common Stock	02/27/2006	S	200	D	\$ 40.89	12,341 ⁽¹⁾	D
Common Stock	02/27/2006	S	1,100	D	\$ 40.91	11,241 ⁽¹⁾	D
Common Stock	02/27/2006	S	100	D	\$ 40.92	11,141 ⁽¹⁾	D

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

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.

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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. Transaction Code (Instr. 8)	5. Number of Derivative Securities (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	Amount or Number of Shares
Stock Option (right to buy)	\$ 29.344	02/27/2006		M	3,000	05/19/1999 ⁽²⁾ 05/19/2008	Common Stock	3,000
Stock Option (right to buy)	\$ 25.925	02/27/2006		M	2,000	04/30/2004 ⁽³⁾ 04/30/2013	Common Stock	2,000

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
AHEARNE JOHN F 231 WEST MICHIGAN STREET MILWAUKEE,, WI 53203	X			

Signatures

/s/ Joshua M. Erickson, as
Attorney-in-Fact

03/01/2006

__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) Includes shares acquired pursuant to a dividend reinvestment feature of Wisconsin Energy Corporation's Stock Plus Investment Plan in transactions exempt from Section 16 pursuant to Rule 16a-11.
- (2) Options vested in equal annual installments over a three-year period beginning on the date indicated.
- (3) Options vest in 25% increments annually beginning on the date indicated.

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.