

BOWLES BARBARA L
 Form 4
 February 09, 2012

FORM 4

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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 *
BOWLES BARBARA L

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)
 231 WEST MICHIGAN STREET
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 02/07/2012

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

MILWAUKEE,, WI 53203

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

(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)
			Code	V	Amount or Price		
Common Stock	02/07/2012		S		100 D \$ 34.9002	(1)	D
Common Stock	02/07/2012		S		100 D \$ 34.9003	(1)	D
Common Stock	02/07/2012		S		100 D \$ 34.9007	(1)	D
Common Stock	02/07/2012		S		100 D \$ 34.9009	(1)	D
Common Stock	02/07/2012		S		500 D \$ 34.91	(1)	D

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Common Stock	02/07/2012		S	100	D	\$ 34.9104	34,358.7558 (1)	D
Common Stock	02/07/2012		S	100	D	\$ 34.9107	34,258.7558 (1)	D
Common Stock	02/07/2012		S	800	D	\$ 34.93	33,458.7558 (1)	D
Common Stock	02/07/2012		S	200	D	\$ 34.94	33,258.7558 (1)	D
Common Stock	02/07/2012		S	100	D	\$ 34.9401	33,158.7558 (1)	D
Common Stock	02/07/2012		S	200	D	\$ 34.9405	32,958.7558 (1)	D
Common Stock	02/07/2012		S	100	D	\$ 34.9406	32,858.7558 (1)	D
Common Stock	02/07/2012		S	300	D	\$ 34.9407	32,558.7558 (1)	D
Common Stock	02/07/2012		S	100	D	\$ 34.9409	32,458.7558 (1)	D
Common Stock	02/07/2012		S	200	D	\$ 34.9411	32,258.7558 (1)	D
Common Stock	02/07/2012		S	100	D	\$ 34.9475	32,158.7558 (1)	D
Common Stock	02/07/2012		S	1,700	D	\$ 34.95	30,458.7558 (1)	D
Common Stock	02/07/2012		S	100	D	\$ 34.9501	30,358.7558 (1)	D

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

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(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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3,	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr
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4, and 5)

Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
BOWLES BARBARA L 231 WEST MICHIGAN STREET MILWAUKEE,, WI 53203	X			

Signatures

/s/ Joshua M. Erickson, as Attorney-in-Fact	02/09/2012
**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.

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.