

SWAN BARBARA J
 Form 4
 February 14, 2007

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 *
 SWAN BARBARA J

2. Issuer Name and Ticker or Trading Symbol
 ALLIANT ENERGY CORP [LNT]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)
 02/12/2007

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

EXECUTIVE VICE PRESIDENT

PO BOX 2568

(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

MADISON, WI 53701

(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 (D) Price			
COMMON	02/12/2007		M	2,278 A \$ 31.54	4,278	D	
COMMON	02/12/2007		S	2,278 D \$ 40.5006	2,000	D	
COMMON	02/12/2007		M	24,705 A \$ 27.79	26,705	D	
COMMON	02/12/2007		S	24,705 D \$ 40.5006	2,000	D	
COMMON	02/12/2007		M	3,017 A \$ 24.9	5,017	D	
COMMON	02/12/2007		S	3,017 D \$ 40.5006	2,000	D	
COMMON	02/13/2007		M	25,401 A \$ 24.9	27,401	D	

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COMMON	02/13/2007	S	25,401	D	\$ 41.0157	2,000	D
COMMON	02/13/2007	M	3,608	A	\$ 25.93	5,608	D
COMMON	02/13/2007	S	3,608	D	\$ 41.0157	2,000	D
COMMON DRIP						4,629.652	D
401(k)						6,014.4318	D
COMMON (RESTRICTED)						9,834.885	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)

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, 4, and 5)	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
EMP. STOCK OPTION (Right to Buy)	\$ 24.9	02/12/2007		M	3,017	01/02/2005 01/02/2014	COMMON	3,017	
EMP. STOCK OPTION (Right to Buy)	\$ 24.9	02/13/2007		M	25,401	01/02/2005 01/02/2014	COMMON	25,401	
EMP. STOCK OPTION (Right to Buy)	\$ 25.93	02/13/2007		M	3,608	02/09/2005 02/09/2014	COMMON	3,608	

EMP.
STOCK
OPTION \$ 27.79 02/12/2007 M 24,705 05/16/2005 05/16/2012 COMMON 24,70

(Right to Buy)

EMP.
STOCK
OPTION \$ 31.54 02/12/2007 M 2,278 01/02/2004 01/02/2011 COMMON 2,278

(Right to Buy)

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
SWAN BARBARA J PO BOX 2568 MADISON, WI 53701			EXECUTIVE VICE PRESIDENT	

Signatures

Joni Aeschbach as
POA for 02/14/2007

__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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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