

HANSON THOMAS L
Form 4
February 15, 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 *
HANSON THOMAS L

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)
PO BOX 2568

(Street)

3. Date of Earliest Transaction
(Month/Day/Year)
02/14/2007

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
VP, CONTROLLER, CAO

MADISON, WI 53701

(City) (State) (Zip)

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

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 (A) or (D) Price			
COMMON	02/14/2007		M	5,786 A \$ 28.5938	6,286	D	
COMMON	02/14/2007		S	5,786 D \$ 41.773	500	D	
COMMON	02/14/2007		M	8,304 A \$ 27.79	8,804	D	
COMMON	02/14/2007		S	8,304 D \$ 41.773	500	D	
COMMON DRIP					5,508.6462	D	
401(k)					4,472.2833	D	
COMMON (RESTRICTED)					2,491.3688	D	

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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, 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
EMP. STOCK OPTION (Right to Buy)	\$ 27.79	02/14/2007		M	8,304	05/16/2005 05/16/2012	COMMON	8,304
EMP. STOCK OPTION (Right to Buy)	\$ 28.5938	02/14/2007		M	5,786	01/19/2003 01/19/2010	COMMON	5,786

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
HANSON THOMAS L PO BOX 2568 MADISON, WI 53701			VP, CONTROLLER, CAO	

Signatures

F. J. Buri as
POA for 02/15/2007

**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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