

DOYLE DUNDEANA K  
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 \*  
DOYLE DUNDEANA K

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)  
VICE PRESIDENT

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 (D)	Price		
COMMON	02/14/2007		M	4,594 A	\$ 31.5625	4,594	D
COMMON	02/14/2007		S	4,594 D	\$ 41.6756	0	D
COMMON	02/14/2007		M	5,523 A	\$ 29.875	5,523	D
COMMON	02/14/2007		S	5,523 D	\$ 41.6756	0	D
COMMON	02/14/2007		M	8,346 A	\$ 28.5938	8,346	D
COMMON	02/14/2007		S	8,346 D		0	D

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						\$			
						41.6756			
COMMON	02/14/2007		M	8,379	A	\$ 31.54	8,379		D
COMMON	02/14/2007		S	8,379	D	\$	0		D
						41.6756			
COMMON	02/14/2007		M	10,242	A	\$ 27.79	10,242		D
COMMON	02/14/2007		S	10,242	D	\$	0		D
						41.6756			
COMMON	02/14/2007		M	10,322	A	\$ 24.9	10,322		D
COMMON	02/14/2007		S	10,322	D	\$	0		D
						41.6756			
COMMON	02/14/2007		M	483	A	\$ 25.93	483		D
COMMON	02/14/2007		S	483	D	\$	0		D
						41.6756			
COMMON DRIP							438.9165		D
401(k)							6,829.9985		D
COMMON IN STREET							599.3102		D
COMMON (RESTRICTED)							3,241.9903		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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(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)		
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
EMP. STOCK	\$ 24.9	02/14/2007		M	10,322	01/02/2007	01/02/2014	COMMON	10,322

OPTION  
(Right to  
Buy)

EMP.

STOCK  
OPTION \$ 25.93 02/14/2007 M 483 02/09/2007 02/09/2014 COMMON 483  
(Right to  
Buy)

EMP.

STOCK  
OPTION \$ 27.79 02/14/2007 M 10,242 05/16/2005 05/15/2012 COMMON 10,242  
(Right to  
Buy)

EMP.

STOCK  
OPTION \$ 28.5938 02/14/2007 M 8,346 01/19/2003 01/19/2010 COMMON 8,346  
(Right to  
Buy)

EMP.

STOCK  
OPTION \$ 29.875 02/14/2007 M 5,523 06/06/2002 06/01/2009 COMMON 5,523  
(Right to  
Buy)

EMP.

STOCK  
OPTION \$ 31.54 02/14/2007 M 8,379 01/02/2004 01/02/2011 COMMON 8,379  
(Right to  
Buy)

EMP.

STOCK  
OPTION \$ 31.5625 02/14/2007 M 4,594 07/01/2001 07/01/2008 COMMON 4,594  
(Right to  
Buy)

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
DOYLE DUNDEANA K PO BOX 2568 MADISON, WI 53701			VICE PRESIDENT	

## 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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