ALLIANT ENERGY CORP

Form 4

February 20, 2007

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB

OMB APPROVAL

Number:

3235-0287

Expires:

January 31, 2005

0.5

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Check this box if no longer subject to Section 16. Form 4 or Form 5

obligations

may continue.

See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * BENNETT MICHAEL L			2. Issuer Name and Ticker or Trading Symbol ALLIANT ENERGY CORP [LNT]			Iss	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Last) PO BOX 250	· · · · · · · · · · · · · · · · · · ·	fiddle)	3. Date of Earliest Transaction (Month/Day/Year) 02/16/2007			_	(Check all applicable) X_ Director 10% Owner Officer (give title Other (specify below)		Owner	
			onth/Day/Year)			Aŗ	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person			
MADISON, WI 53701				j			Pe	Form filed by More than One Reporting Person		
(City)	(State)	(Zip)	Table	I - Non-D	erivative S	Securi	ties Acquir	ed, Disposed of, o	r Beneficially	Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	Execution any	ned n Date, if Day/Year)	3. Transactic Code (Instr. 8)	4. Securit coor Dispos (Instr. 3, 4	ed of	` /	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)
COMMON DRIP	02/16/2007			<u>J(1)</u>	2.3895	A	\$ 42.4114	321.481	D	
COMMON IN STREET								100	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)

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1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5. Number of	6. Date Exercisable	le and Expiration	7. Title and
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	TransactionDerivative		Date		Underlying
Security	or Exercise		any	Code	Securities	(Month/Day/Year)		(Instr. 3 and
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Acquired (A) or			
	Derivative				Disposed of (D)			
	Security				(Instr. 3, 4, and			
	-				5)			
						D (E . 11	E ' ' D'	Tr'-d
				C-1- V	(A) (D)	Date Exercisable	Expiration Date	Title
				Code V	(A) (D)			
DEFERRED								
COMMON	\$ 0	02/16/2007		J(2)	42.9815	00/00/1000(3)	08/08/1988(3)	COMMO
	φU	02/10/2007		J <u>(-)</u>	42.9013	06/06/1966	06/06/1966	COMMIC
STOCK								

Reporting Owners

Reporting Owner Name / Address	Relationships					
•	Director	10% Owner	Officer	Other		
BENNETT MICHAEL L PO BOX 2568 MADISON, WI 53701	X					

Signatures

F. J. Buri as
POA for

**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) The reporting person acquired 2.3895 shares under the company's dividend reinvestment plan, pursuant to a dividend reinvestment transaction exempt from Section 16 under Rule 16a-11.
- (2) The reporting person acquired 42.9815 shares under the company's dividend reinvestment plan, pursuant to a dividend reinvestment transaction exempt from Section 16 under Rule 16a-11.
- (3) Units are to be settled upon reporting person's retirement.

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.

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