

ALLIANT ENERGY CORP
 Form 4
 May 18, 2006

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 *
HARVEY WILLIAM D

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

3. Date of Earliest Transaction (Month/Day/Year)
 05/16/2006

Director 10% Owner
 Officer (give title below) Other (specify below)
PRESIDENT, CEO & CHAIRMAN

(Street)
 MADISON, WI 53701

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 Beneficial Ownership (Instr. 4)			
			Code	V	Amount	(A) or (D)	Price			
COMMON IN TRUST	05/16/2006		J ⁽¹⁾		54.206	A	\$ 33.4817	6,368.6881	D	
401(k)								17,045.8245	D	
COMMON IN IRA								1,000	D	
COMMON (RESTRICTED)	05/16/2006		J ⁽²⁾		622.0628	A	\$ 33.4817	73,066.288	D	
COMMON IN SHADE TREE PARTNERSHIP	05/16/2006		J ⁽³⁾		25.1752	A	\$ 33.4817	2,958.7925	I	BY PARTNER

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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 Underlying (Instr. 3 and 4)
DEFERRED COMMON STOCK	\$ 0	05/17/2006		A ⁽⁴⁾	326.9195	08/08/1988 ⁽⁵⁾ 08/08/1988 ⁽⁵⁾	COMM

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
HARVEY WILLIAM D PO BOX 2568 MADISON, WI 53701	X		PRESIDENT, CEO & CHAIRMAN	

Signatures

F. J. Buri as
POA for

05/18/2006

**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 54.2060 shares under the broker's dividend reinvestment plan, pursuant to a dividend reinvestment transaction exempt from Section 16 under rule 16a-11.
 - (2) The reporting person acquired 622.0628 shares under the company's dividend reinvestment plan, pursuant to a dividend reinvestment transaction exempt from Section 16 under Rule 16a-11.
 - (3) The reporting person acquired 25.1752 shares under the company's dividend reinvestment plan, pursuant to a dividend reinvestment transaction exempt from Section 16 under Rule 16a-11.
 - (4) The reporting person acquired 326.9195 shares under the company's dividend reinvestment plan, pursuant to a dividend reinvestment transaction exempt from Section 16 under Rule 16a-11.

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(5) 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.

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