

ALLIANT ENERGY CORP
 Form 4/A
 August 30, 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 *
 PERDUE DAVID A

(Last) (First) (Middle)

PO BOX 2568

(Street)

MADISON, WI 53701

(City) (State) (Zip)

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

3. Date of Earliest Transaction
 (Month/Day/Year)
 06/05/2007

4. If Amendment, Date Original Filed(Month/Day/Year)
 06/06/2007

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

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 Ownership Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------|
| | | | | (A) or (D) | Code V Amount (D) Price | | |

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.

SEC 1474 (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 | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) |
|--------------------------------------------|------------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-------------------------|----------------------------------------------------------|---------------------------------------------------------------|
|--------------------------------------------|------------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-------------------------|----------------------------------------------------------|---------------------------------------------------------------|

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| Derivative Security | | | Code | V | Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | Date Exercisable | Expiration Date | Title | Amount Number Shares |
|-----------------------|------|------------|------|---|-----------------------------------------------------------------|------------------|-----------------|--------|----------------------|
| DEFERRED COMMON STOCK | \$ 0 | 06/05/2007 | A | | 0 (1) | 08/08/1988 | 08/08/1988 | COMMON | 1,403. (1) |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|----------------------------------------------------|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| PERDUE DAVID A PO BOX 2568 MADISON, WI 53701 | | X | | |

Signatures

F. J. Buri as
POA for
Date: 08/30/2007
Signature of Reporting Person

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).
- Due to an error by the Plan Administrator for the Alliant Energy Deferred Compensation Plan for Directors, on June 6, 2007 the reporting person mistakenly filed a Form 4 reporting the exempt acquisition of 1,403.6252 shares of deferred common stock under the plan that did not, in fact, occur. The reporting person is filing this amended report to correct the erroneous filing.

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.