ALLIANT ENERGY CORP

Form 4

August 17, 2005

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

0.5

January 31, Expires:

OMB APPROVAL

2005

Estimated average burden hours per

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obligations

Check this box

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

may continue. See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading WEILER ANTHONY R Issuer Symbol ALLIANT ENERGY CORP [LNT] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) _X__ Director 10% Owner Other (specify Officer (give title PO BOX 2568 08/16/2005 below) (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting MADISON, WI 53701 Person

(City)	(State) (Zi	p) Table I	- Non-Der	ivative Sec	curities Acqu	uired, Disposed of	, or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	4. SecuritionAcquired Disposed (Instr. 3, 4)	(A) or of (D)	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 IN STREET						9,792	D	
COMMON BY SPOUSE IN STREET						1,389	I	By Spouse

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	2.	3. Transaction Date	3A. Deemed	4.	5. Number of	6. Date Exercisable 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)		
						Date Exercisable Expiration Date	Title
				Code V	(A) (D)	Date Exercisable Expiration Date	Title
				Couc v	(A) (D)		
DEFERRED							
COMMON	\$ 0	08/16/2005		J (1)	68.4226	08/08/1988(2) 08/08/1988(2)	COMMO
	ΨΟ	00/10/2003		<u>, </u>	00.4220	00/00/1700 00/00/1700	COMMI
STOCK							

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
WEILER ANTHONY R PO BOX 2568 MADISON, WI 53701	X					
^ :						

Signatures

Reporting Person

F. J. Buri as
POA for

**Signature of

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 68.4226 shares under the company's dividend reinvestment plan, pursuant to a dividend reinvestment transaction exempt from Section 16 under Rule 16a-11.
- (2) 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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