WEILER ANTHONY R

Form 4

November 19, 2004

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION

OMB APPROVAL

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if no longer subject to Section 16. Form 4 or

Check this box

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

IN STREET

(Print or Type Responses)

1. Name and Address of Reporting Person * WEILER ANTHONY R			2. Issuer Name and Ticker or Trading Symbol ALLIANT ENERGY CORP [LNT]			5. Relationship of Reporting Person(s) to Issuer (Chaele all applicable)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction			(Check all applicable)			
PO BOX 2568			(Month/Day/Year) 11/18/2004			_X_ Director Officer (give below)		Owner er (specify	
				4. If Amendment, Date Original Filed(Month/Day/Year)			6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person		
MADISON, WI 53701						Form filed by More than One Reporting Person			
(City)	(State)	(Zip)	Table l	- Non-Der	ivative Se	curities Acq	uired, Disposed of	f, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction (Month/Day/Y	ear) Exec	Deemed ution Date, if nth/Day/Year)	3. Transaction Code (Instr. 8)	4. Securit onAcquired Disposed (Instr. 3,	(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)	
COMMON IN STREET							9,792	D	
COMMON BY SPOUSE							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		4.	5. Number of	6. Date Exercisable and Expiration	
Derivative Security (Instr. 3)	Conversion or Exercise Price of Derivative Security	(Month/Day/Year)	Execution Date, if any (Month/Day/Year)	TransactiorDerivative Code Securities (Instr. 8) Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		Date (Month/Day/Year)	Underlying (Instr. 3 and
				Code V	(A) (D)	Date Exercisable Expiration Da	te Title
DEFERRED COMMON STOCK	\$ 0	11/18/2004		J <u>(1)</u>	57.5311	08/08/1988(2) 08/08/1988	(2) COMMO

Reporting Owners

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

F. J. Buri as
POA for

**Signature of Reporting Person

11/19/2004

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 57.5311 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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