

ALLIANT ENERGY CORP  
Form U-9C-3  
March 24, 2005

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

FORM U-9C-3

QUARTERLY REPORT

For the quarter ended December 31, 2004

Filed Pursuant to Rule 58 of the Public Utility Holding Company  
Act of 1935

ALLIANT ENERGY CORPORATION  
4902 N. Biltmore Lane  
Madison, Wisconsin 53718-2132  
608-458-3311

ALLIANT ENERGY CORPORATION  
FORM U-9C-3  
For the Quarter Ended December 31, 2004

CONTENTS

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ITEM 1 - Organization Chart	3
ITEM 2 - Issuances and Renewals of Securities and Capital Contributions	3
ITEM 3 - Associate Transactions	4
ITEM 4 - Summary of Aggregate Investment	5
ITEM 5 - Other Investments	6
ITEM 6 - Financial Statements and Exhibits	6
SIGNATURES	6
EXHIBIT A	7

2

ITEM 1 - ORGANIZATION CHART

Omitted for the fourth quarter pursuant to instructions for "Item 1."

ITEM 2 - ISSUANCES AND RENEWALS OF SECURITIES AND CAPITAL CONTRIBUTIONS:

Investment level at December 31, 2004

Company Issuing Security	Type of Security Issued	Principal Amount of Security (in thousands)	Whom
ADI Thermal Power Corporation	Common stock	\$200	Alliant Energy
Alliant Energy Desdemona, LP	Partnership capital	\$1,124	Industrial En
	Partnership capital	\$1	Alliant Energy
Alliant South Texas Pipeline, LP	Partnership capital	\$3,902	Industrial En
	Partnership capital	\$6	Alliant Energy
BFC Gas Company LLC	Capital	\$1,975	Industrial En
CellTech Power, Inc.	Series A preferred stock	\$252	Alliant Energy
Cogenex Corporation (Incl. subsidiaries)	Money pool borrowings	\$84,995	Alliant Energy
Dais Analytic Corporation	Common stock	\$90	Wisconsin Pow
Distributed Energy Systems Corp.	Common stock	\$2	AER Holding C
Distribution Vision 2010, LLC	Capital	\$150	Alliant Energy
Energy Performance Services, Inc.	Money pool borrowings	\$14,727	Alliant Energy
Heartland Energy Group, Inc.	Common stock	\$5,011	Alliant Energy
	Money pool borrowings	\$2,227	Alliant Energy
Industrial Energy Applications, Inc.	Common stock	\$21,060	Alliant Energy
	Money pool borrowings	\$18,670	Alliant Energy
New River Synfuel LLC	Capital	\$63,731	Alpha Synfuel
Nth Power Technologies Fund II, LP	Partnership capital	\$8,500	Alliant Energy
Oak Hill Pipeline LP	Partnership capital	\$849	Industrial En
ReGENco LLC	Class A units	\$1,083	Heartland Ene
RMT, Inc. (2)	Common stock	\$11,822	Alliant Energy
STM Power, Inc.	Series B preferred stock	\$2,500	Alliant Energy
TRANSLink Development Company LLC	Capital	\$288	Alliant Energy

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Williams Bulk Transfer Inc.	Loan	\$2,196	Alliant Energy
	Common stock	\$3,001	Alliant Energy
	Money pool borrowings	\$1,421	Alliant Energy

(1) Associate companies.

(2) Includes RMT, Inc.; RMT North Carolina, Inc.; RMT, Inc., Michigan; and RMT International, Inc.

3

ITEM 3 - ASSOCIATE TRANSACTIONS

For the Quarter Ended December 31, 2004

Part I -- Transactions performed by reporting companies on behalf of associate companies (a):

Reporting Company Rendering Services	Associate Company Receiving Services	Types of Services Rendered	Direct Costs Charged (in thousands)	Indirect Costs Charged (in thousands)
RMT	WP&L	Environmental consulting	\$1,332	\$-
RMT	IEA	Environmental consulting	89	-
RMT	IP&L	Environmental consulting	493	-
RMT	Resources	Environmental consulting	58	-
RMT	Barge	Environmental consulting	10	-
RMT	AEG	Environmental consulting	13	-
RMT	AE EPC	Environmental consulting	5	-
ReGENco	IP&L	Integrated turbine & generator services	5	-
ReGENco	WP&L	Integrated turbine & generator services	10	-
ReGENco	AEG	Storage lease, handling & maintenance	127	-

Part II -- Transactions performed by associate companies on behalf of reporting companies (a):

Associate Company Rendering Services	Reporting Company Receiving Services	Types of Services Rendered	Direct Costs Charged (in thousands)	Indirect Costs Charged (in thousands)	Costs Charged (in thousands)
RMT	IEA	Environmental consulting	\$89	\$-	\$
RMT	AE EPC	Environmental consulting	5	-	

(a) The following abbreviations were used:

Abbreviation	Legal Name	Abbreviation	Legal Name
AE EPC	Alliant Energy EPC, LLC	ReGENco	ReGENco LLC

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AEG	AEG Worldwide, Inc.	Resources	Alliant Energy Resources
Barge	IEI Barge Services, Inc.	RMT	RMT, Inc.
IEA	Industrial Energy Applications, Inc.	WP&L	Wisconsin Power and Light
IP&L	Interstate Power and Light Company		

4

ITEM 4 - SUMMARY OF AGGREGATE INVESTMENT  
(Dollars in thousands)

Investments in energy-related companies:

Total consolidated capitalization as of December 31, 2004 (a)	\$5,348,000	Li
Total capitalization multiplied by 15% (Line 1 multiplied by 0.15)	802,200	Li
Greater of \$50 million or total capitalization multiplied by 15% (Line 2)	802,200	Li
Total current aggregate investment subsequent to April 21, 1998 (categorized by major line of energy-related business):		
Energy-related business category i	99,722	
Energy-related business category ii	13,044	
Energy-related business category iii	-	
Energy-related business category iv	-	
Energy-related business category v	3,949	
Energy-related business category vi	72,395	
Energy-related business category vii	5,384	
Energy-related business category viiii	20,918 (b)	
Energy-related business category ix	9,454	
Energy-related business category x	-	
Total current aggregate investment	224,866	Li
Difference between the greater of \$50 million or 15% of capitalization and the total aggregate investment of the registered holding company system (Line 3 less Line 4)	\$577,334	Li

Investments in gas-related companies:

Total current aggregate investment (categorized by major line of gas-related business):		
Gas-related business category i	\$-	
Gas-related business category ii	-	
Total current aggregate investment	\$-	

(a) Includes common equity, cumulative preferred stock of subsidiaries, long-term debt, current maturities and sinking funds and short-term debt (variable rate demand bonds, commercial paper and other short-term borrowings).

(b) Represents \$20,918,000 of payments to purchase generation equipment

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that Alliant Energy intends to use to develop a qualifying facility.

5

### ITEM 5 - OTHER INVESTMENTS (Dollars in thousands)

Major Line Of Energy-Related Business	Other Investment In Last U-9C-3 Report	Other Investment In This U-9C-3 Report	Reason for D In Other I
Energy-related business category i* Industrial Energy Applications, Inc.	\$40,005	\$39,730	In the fourth quarter of Applications, Inc. repaid borrowings to Alliant Ene
Energy-related business category v* Heartland Energy Group, Inc.	\$3,289	\$3,289	No change.
Energy-related business category vi* BFC Gas Company LLC	\$1,975	\$1,975	No change.
Energy-related business category vii* RMT, Inc. (1)	\$11,822	\$11,822	No change.
Energy-related business category ix* Oak Hill Pipeline LP	\$849	\$849	No change.

\* Item 5 includes aggregate investments that were invested or committed to be invested in energy-related companies, prior to the date Rule 58 was effective for Alliant Energy Corporation (April 21, 1998 - Date Alliant Energy Corporation became a registered holding company), for which there is recourse, directly or indirectly, to Alliant Energy Corporation or any subsidiary thereof.

(1) Includes RMT, Inc.; RMT North Carolina, Inc.; RMT, Inc., Michigan; and RMT International, Inc.

### ITEM 6 - FINANCIAL STATEMENTS AND EXHIBITS

List all financial statements and exhibits filed as a part of this report.

#### A. FINANCIAL STATEMENTS:

Omitted for the fourth quarter pursuant to instructions for "Item 6."

#### B. EXHIBITS:

1. Exhibit A - Certificate of Alliant Energy Corporation
2. Copies of contracts required by Item 3:  
Copies of contracts required to be provided by Item 3 have been filed under confidential treatment pursuant to Rule 104 (b).

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SIGNATURES

Pursuant to the requirements of the Public Utility Holding Company Act of 1935, Alliant Energy Corporation has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized on the 24th day of March 2005.

ALLIANT ENERGY CORPORATION  
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Registrant

By: /s/ John E. Kratchmer  
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John E. Kratchmer

Vice President-Controller and Chief Accounting Officer  
(Principal Accounting Officer)

6

Exhibit A

ALLIANT ENERGY CORPORATION  
4902 N. Biltmore Lane, Madison, Wisconsin 53718-2132

CERTIFICATE

Pursuant to the requirements of Rule 58 of the Public Utility Holding Company Act of 1935, the undersigned certifies that a conformed copy of the quarterly report on Form U-9C-3 shall be filed with the interested state commissions promptly after filing with the SEC. The names and addresses of each state commission having jurisdiction over the retail rates of the public utility companies that are associate companies of any of the reporting companies are:

Iowa Utilities Board  
350 Maple Street  
Des Moines, Iowa 50319-0069

Illinois Commerce Commission  
527 E. Capitol Avenue  
Springfield, Illinois 62701

Minnesota Public Utilities Commission  
121 7th Place E. Suite 350  
St. Paul, MN 55101-2147

Public Service Commission of Wisconsin  
610 North Whitney Way, P.O. Box 7854  
Madison, Wisconsin 53707-7854

ALLIANT ENERGY CORPORATION  
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Registrant

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By: /s/ John E. Kratchmer

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John E. Kratchmer

Vice President–Controller and Chief Accounting Officer

(Principal Accounting Officer)