

# SECURITIES AND EXCHANGE COMMISSION

## FORM U-9C-3

Quarterly report, energy and gas companies [Rule 58]

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### FILER

#### **ALLIANT ENERGY CORP**

CIK:[352541](#) | IRS No.: [391380265](#) | State of Incorp.:[WI](#) | Fiscal Year End: [1231](#)  
Type: **U-9C-3** | Act: [35](#) | File No.: [074-00037](#) | Film No.: [04969259](#)  
SIC: [4931](#) Electric & other services combined

Mailing Address  
*4902 NORTH BILTMORE  
LANE  
PO BOX 77007  
MADISON WI 53707-1007*

Business Address  
*4902 NORTH BILTMORE  
LANE  
PO BOX 77007  
MADISON WI 53707-1007  
608-458-3314*

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

FORM U-9C-3

QUARTERLY REPORT

For the quarter ended June 30, 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 June 30, 2004

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ITEM 1 - ORGANIZATION CHART  
(As of June 30, 2004)

<TABLE>

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Name of Company (Organization Chart Hierarchy) (Inactive companies denoted with (*)) (Reporting companies denoted with (**))	Energy- or Gas- Related Company	Date of Organization	State of Organization	Percentage of Voting Securities Held	Nature of Business (a)
<S>	<C>	<C>	<C>	<C>	<C>
Alliant Energy Corporation	N/A	N/A	N/A	N/A	N/A
Alliant Energy TransCo LLC	N/A	N/A	N/A	N/A	N/A
TRANSLink Development Company LLC (*) (**)	Energy	6/7/02	Delaware	16%	(vii) - 4
Distribution Vision 2010, LLC (**)	Energy	10/2/01	Delaware	20%	(vii) - 3
Wisconsin Power and Light Company	N/A	N/A	N/A	N/A	N/A
Dais Analytic Corporation (**)	Energy	4/19/93	New York	1%	(ii)
Alliant Energy Resources, Inc.	N/A	N/A	N/A	N/A	N/A
ADI Thermal Power Corporation (**)	Energy	8/11/97	Washington	4%	(ii)
Alliant Energy EPC, LLC (*) (**) (NEW)	Energy	5/24/04	Wisconsin	100%	(vii) - 5
CellTech Power, Inc. (**)	Energy	5/1/00	Delaware	1%	(ii)
Nth Power Technologies Fund II, LP (**)	Energy	2/25/00	California	8%	(ii)
STM Power, Inc. (**)	Energy	3/17/03	Delaware	< 1%	(ii)
AER Holding Company	N/A	N/A	N/A	N/A	N/A
American Superconductor Corporation (**)	Energy	4/9/87	Delaware	< 1%	(ii)
Distributed Energy Systems Corp. (**)	Energy	5/19/03	Delaware	< 1%	(ii)
Alliant Energy Integrated Services Company	N/A	N/A	N/A	N/A	N/A
Industrial Energy Applications, Inc. (**)	Energy	9/22/83	Iowa	100%	(i)
BFC Gas Company LLC (**)	Energy	12/7/95	Iowa	60%	(vi)
RMT, Inc. (**)	Energy	7/29/83	Wisconsin	100%	(vii) - 1
RMT North Carolina, Inc. (**)	Energy	4/6/69	North Carolina	100%	(vii) - 1
RMT, Inc., Michigan (**)	Energy	12/15/95	Michigan	100%	(vii) - 1
RMT International, Inc. (**)	Energy	10/9/97	Wisconsin	100%	(vii) - 1
Heartland Energy Group, Inc. (**)	Energy	6/1/95	Wisconsin	100%	(v)
Industrial Energy Applications Delaware, Inc.	N/A	N/A	N/A	N/A	N/A
Oak Hill Pipeline LP (**)	Energy	4/1/97	Texas	99%	(ix) - 1
Alliant South Texas Pipeline, LP (**) (Also owned by Alliant Energy Field Services, LLC)	Energy	4/20/99	Texas	99%	(ix) - 1
Alliant Energy Desdemona, LP (**) (Also owned by Alliant Energy Field Services, LLC)	Energy	2/14/00	Delaware	99%	(ix) - 1
Bastian Bay Pipeline, LP (**) (Also owned by Alliant Energy Field Services, LLC)	Energy	8/31/00	Texas	90%	(ix) - 1
Alliant Energy Field Services, LLC	N/A	N/A	N/A	N/A	N/A
Alliant South Texas Pipeline, LP (**) (Also owned by Industrial Energy Applications Delaware, Inc.)	Energy	4/20/99	Texas	99%	(ix) - 1
Alliant Energy Desdemona, LP (**) (Also owned by Industrial Energy Applications Delaware, Inc.)	Energy	2/14/00	Delaware	99%	(ix) - 1

Bastian Bay Pipeline, LP (**) (Also owned by Industrial Energy Applications Delaware, Inc.)	Energy	8/31/00	Texas	90%	(ix) - 1
NG Energy Trading, LLC (**)	Energy	9/26/00	Oklahoma	50%	(v)
3					
Name of Company (Organization Chart Hierarchy) (Inactive companies denoted with (*)) (Reporting companies denoted with (**))	Energy- or Gas- Related Company	Date of Organization	State of Organization	Percentage of Voting Securities Held	Nature of Business (a)
Alliant Energy Integrated Services - Energy Solutions LLC (**)	Energy	1/1/01	Iowa	100%	(i)
Schedin & Associates, Inc. (*) (**)	Energy	6/22/82	Minnesota	100%	(i)
SVBK Consulting Group, Inc. (*) (**)	Energy	7/2/85	Florida	100%	(i)
Alliant Energy Integrated Services - Energy Management LLC (**)	Energy	1/1/01	Iowa	100%	(i)
Energy Performance Services, Inc. (**)	Energy	12/17/93	Pennsylvania	100%	(i)
Cogenex Corporation (**)	Energy	9/26/83	Massachusetts	100%	(i)
APS Cogenex LLC (**)	Energy	9/29/95	Delaware	50%	(i)
Energy Capital and Services I, LP (**)	Energy	5/4/90	Massachusetts	100%	(i)
Energy Capital and Services II, LP (**)	Energy	11/13/90	Massachusetts	100%	(i)
Cogenex West Corporation (**)	Energy	9/26/83	Massachusetts	100%	(i)
Cogenex Canada, Inc. (f/k/a EUA Cogenex-Canada Inc.) (**)	Energy	10/11/94	Canada	100%	(i)
EUA Cogenex-Canada Energy Services, Inc. (**)	Energy	12/16/97	Canada	100%	(i)
Northeast Energy Management, Inc. (**)	Energy	1/7/94	Massachusetts	100%	(i)
Alliant Energy Investments, Inc.	N/A	N/A	N/A	N/A	N/A
Heartland Energy Services, Inc.	N/A	N/A	N/A	N/A	N/A
ReGENco LLC (**)	Energy	4/19/99	Wisconsin	30%	(vii) - 2
Alliant Energy Synfuel LLC	N/A	N/A	N/A	N/A	N/A
Kaufman & Broad-Nexgen LLC	N/A	N/A	N/A	N/A	N/A
West Virginia Synfuel LP	N/A	N/A	N/A	N/A	N/A
Alpha Synfuel LLC	N/A	N/A	N/A	N/A	N/A
New River Synfuel LLC (**)	Energy	3/9/98	Colorado	22%	(vi)
Alliant Energy Transportation, Inc.	N/A	N/A	N/A	N/A	N/A
Williams Bulk Transfer Inc. (**)	Energy	4/27/99	Iowa	100%	(ix) - 2

</TABLE>

N/A - Not applicable

(a) The following abbreviations were used:

<TABLE>

<CAPTION>

Abbreviation

Nature of Business

<S>

<C>

(i)	Energy management services
(ii)	Development and commercialization of innovative electro technologies
(v)	Brokering and marketing of energy commodities - natural gas
(vi)	Production of alternative fuels
(vii) - 1	Environmental licensing, testing, and remediation services
(vii) - 2	Integrated turbine and generator services
(vii) - 3	Distribution system research and development
(vii) - 4	Transmission system maintenance and operations
(vii) - 5	Engineering and construction services
(ix) - 1	Fuel transportation facilities services
(ix) - 2	Fuel handling and storage facilities services

</TABLE>

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

Investment level at June 30, 2004

<TABLE>

<CAPTION>

Company Issuing Security	Type of Security Issued	Principal Amount of Security (in thousands)	Person to Whom Security was Issued (1)
<S>	<C>	<C>	<C>
ADI Thermal Power Corporation	Common stock	\$200	Alliant Energy Resources, Inc.
Alliant Energy Desdemona, LP	Partnership capital	\$1,223	Industrial Energy Applications Delaware, Inc.
Alliant Energy Integrated Services - Energy Management LLC	Partnership capital	\$1	Alliant Energy Field Services, LLC
Alliant Energy Integrated Services - Energy Solutions LLC	Money pool borrowings	\$12,065	Alliant Energy Resources, Inc.
Alliant South Texas Pipeline, LP	Money pool borrowings	\$5,374	Alliant Energy Resources, Inc.
American Superconductor Corporation	Partnership capital	\$3,902	Industrial Energy Applications Delaware, Inc.
BFC Gas Company LLC	Partnership capital	\$6	Alliant Energy Field Services, LLC
CellTech Power, Inc.	Common stock	\$963	AER Holding Company
Cogenex Corporation (Incl. subsidiaries)	Capital	\$1,975	Industrial Energy Applications, Inc.
Dais Analytic Corporation	Series A preferred stock	\$252	Alliant Energy Resources, Inc.
Distribution Vision 2010, LLC	Money pool borrowings	\$81,595	Alliant Energy Resources, Inc.
Energy Performance Services, Inc.	Common stock	\$90	Wisconsin Power and Light Company
Heartland Energy Group, Inc.	Capital	\$100	Alliant Energy Corporation
Industrial Energy Applications, Inc.	Money pool borrowings	\$14,333	Alliant Energy Resources, Inc.
New River Synfuel LLC	Common stock	\$5,011	Alliant Energy Integrated Services Company
Nth Power Technologies Fund II, LP	Common stock	\$21,060	Alliant Energy Integrated Services Company
Oak Hill Pipeline LP	Money pool borrowings	\$19,226	Alliant Energy Resources, Inc.
Distributed Energy Systems Corp.	Capital	\$50,720	Alpha Synfuel LLC
ReGENco LLC	Partnership capital	\$8,000	Alliant Energy Resources, Inc.
RMT, Inc. (Incl. subsidiaries)	Partnership capital	\$849	Industrial Energy Applications Delaware, Inc.
STM Power, Inc.	Common stock	\$552	AER Holding Company
TRANSLink Development Company LLC	Class A units	\$1,083	Heartland Energy Services, Inc.
Williams Bulk Transfer Inc.	Common stock	\$11,822	Alliant Energy Integrated Services Company
	Series B preferred stock	\$2,500	Alliant Energy Resources, Inc.
	Capital	\$288	Alliant Energy TransCo LLC
	Loan	\$2,196	Alliant Energy TransCo LLC
	Common stock	\$1	Alliant Energy Transportation, Inc.
	Money pool borrowings	\$4,497	Alliant Energy Resources, Inc.

</TABLE>

(1) Associate companies.

ITEM 3 - ASSOCIATE TRANSACTIONS

For the Quarter Ended June 30, 2004

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

<TABLE>

<CAPTION>

Reporting Company Rendering Services	Associate Company Receiving Services	Types of Services Rendered	Direct Costs Charged (in thousands)	Indirect Costs Charged (in thousands)	Cost of Capital (in thousands)	Total Amount Billed (in thousands)
<S>	<C>	<C>	<C>	<C>	<C>	<C>
RMT	WP&L	Environmental consulting	\$608	\$-	\$-	\$608
RMT	IEA	Environmental consulting	80	-	-	80
RMT	IP&L	Environmental consulting	933	-	-	933
RMT	Resources	Environmental consulting	1	-	-	1
RMT	Barge	Environmental consulting	2	-	-	2
RMT	AEG	Environmental consulting	34	-	-	34
ReGENco	WP&L	Integrated turbine & generator services	1	-	-	1
ReGENco	AEG	Storage lease, handling & maintenance	104	-	-	104

</TABLE>

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

<TABLE>

<CAPTION>

Associate Company Rendering Services	Reporting Company Receiving Services	Types of Services Rendered	Direct Costs Charged (in thousands)	Indirect Costs Charged (in thousands)	Cost of Capital (in thousands)	Total Amount Billed (in thousands)
RMT	IEA	Environmental consulting	\$80	\$-	\$-	\$80

</TABLE>

(a) The following abbreviations were used:

<TABLE>

<CAPTION>

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

</TABLE>

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

Investments in energy-related companies:

<TABLE>

<CAPTION>

Total consolidated capitalization as of June 30, 2004 (a)	\$4,983,299	Line 1
Total capitalization multiplied by 15% (Line 1 multiplied by 0.15)	747,495	Line 2
Greater of \$50 million or total capitalization multiplied by 15% (Line 2)	747,495	Line 3
Total current aggregate investment subsequent to April 21, 1998 (categorized by major line of energy-related business):		
Energy-related business category i	113,448	
Energy-related business category ii	14,557	
Energy-related business category iii	-	
Energy-related business category iv	-	
Energy-related business category v	1,722	
Energy-related business category vi	59,493	
Energy-related business category vii	5,334	
Energy-related business category viii	20,918 (b)	
Energy-related business category ix	9,630	
Energy-related business category x	-	
Total current aggregate investment	225,102	Line 4
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)	\$522,393	Line 5

</TABLE>

Investments in gas-related companies:

<TABLE>

<CAPTION>

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	\$-

</TABLE>

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

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ITEM 5 - OTHER INVESTMENTS

(Dollars in thousands)

<TABLE>  
<CAPTION>

Major Line Of Energy-Related Business	Other Investment In Last U-9C-3 Report	Other Investment In This U-9C-3 Report	Reason for Difference In Other Investment
<S> Energy-related business category i* Industrial Energy Applications, Inc.	<C> \$40,205	<C> \$40,205	<C> No change.
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. (including subsidiaries)	\$11,822	\$11,822	No change.
Energy-related business category ix* Oak Hill Pipeline LP	\$948	\$849	In the second quarter of 2004, Oak Hill Pipeline LP made a distribution of \$99 to Industrial Energy Applications Delaware Inc.

</TABLE>

\* 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.

ITEM 6 - FINANCIAL STATEMENTS AND EXHIBITS

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

A. FINANCIAL STATEMENTS:

Filed under confidential treatment pursuant to Rule 104 (b).

B. EXHIBITS:

- Exhibit A - Certificate of Alliant Energy Corporation
- Copies of contracts required by Item 3:  
None

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 12th day of August 2004.

ALLIANT ENERGY CORPORATION

-----  
Registrant

<TABLE>

<CAPTION>

<S>

By: /s/ John E. Kratchmer

<C>

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

-----  
John E. Kratchmer

</TABLE>

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  
-----  
Registrant

<TABLE>  
<CAPTION>

<S>  
By: /s/ John E. Kratchmer  
-----  
John E. Kratchmer  
</TABLE>

<C>  
Vice President-Controller and Chief Accounting Officer  
(Principal Accounting Officer)