



ALLIANT.
UTILITIES

Wisconsin
Power & Light

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March 29, 1999

Dear Jerry,

I did a little digging and got you the information you requested on how much money a 500 kW parallel generator would pay out. (Parallel meaning connected too and synchronized with the company electric system). Enclosed is the Parallel generation tariff on file with the Public Service Commission which outlines how much Alliant would pay for the electricity produced by a parallel generation unit.

Just figuring about how much to expect and keep in mind this is a rough estimate:

Weekdays	500kW x \$.0371 x 14 peak hrs = \$259.70	Saturday, Sunday, or Holiday	500kW x \$.0161 x 24 off peak hrs = \$193.20
	500kW x \$.0161 x 10 off peak hrs = \$ 80.50		
	Per weekday estimate = \$340.20		

Again, this is rough, a lot depends on the kW output of the generator.

I hope this information is helpful, when you are ready for further details for this parallel generation project, contact Pat Runde, Distribution Engineer at (608) 364-6549 for operating information. Contact Steve James, Senior Regulatory Pricing Analyst at (608) 252-3258 for final and rate information.

If I can be of additional assistance please call me a (608) 877-1644. Good luck with the project.

Sincerely,

Matt Richardson
Overhead Operations Manager
Alliant - Dane Co.

CC: Pat Runde
Distribution Engineer
Alliant - Janesville

Brad Campfield
Overhead Operations Manager
Alliant - Janesville



Wisconsin Power & Light

E07-75/SJ-5

Volume III, 5th Revision, Sheet No. 7.75
Amendment 434, Schedule PgS-1

PARALLEL GENERATION - (In Excess of 20 kW)

ELECTRIC

1. Effective In

All territory served by the company.

2. Availability

Available for all single-phase and 3-phase customers who operate generation facilities which are rated in excess of 20 kW, but not in excess of 12,000 kW. Such facilities shall be connected in parallel with company facilities and shall be approved by Wisconsin Power and Light Company.

3. Rate

a. For customers with generation facilities rated at more than 20 kW.

1) Customer Charge

Facilities rated between 20 kW and 200 kW: \$9.75 per month.
Facilities rated at 200 kW or greater: \$19.50 per month.

2) Energy Charge

The company shall pay for all quantities of electricity received from the customer's facilities during each billing period at the following rates:

<u>Voltage Level</u>	<u>Per kWh On-Peak</u>	<u>Per kWh Off-Peak</u>
Transmission	\$0.0362	\$0.0158
Distribution	\$0.0371	\$0.0161
Secondary	\$0.0387	\$0.0167

b. If the customer is not satisfied with these standard rates because they do not reflect the customer's needs or operating characteristics, the company and the customer may negotiate a facility specific rate. Such agreements shall be subject to review by the Public Service Commission of Wisconsin.

c. The company will supply standby, maintenance, or supplemental energy to the customer under the retail rates and rules for which the customer qualifies. In the case of maintenance energy, the demand charges will be prorated for the actual period of usage provided the customer coordinates its maintenance with the company's expected outages.

Issued: 4-28-97
PSCW Authorization

Docket 6680-UR-110
Dated 4-24-97

Effective: 4-29-97



E07-76/MH-0/i

PARALLEL GENERATION - (In Excess of 20 kW)

ELECTRIC

4. Pricing Period

Unless specified to the contrary in writing by the Company to any customer using this schedule, the on-peak and off-peak period available to all customers is as follows:

<u>On-Peak Time Period Length</u>	<u>On-Peak Hours</u>	<u>Off-Peak Hours</u>
14 hours	8 a.m. to 10 p.m., Mon.-Fri.	All other times

The off-peak hours include all other hours Monday through Friday, plus Saturday, Sunday, and holidays designated as such by the Company. The holidays are New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day, or the day nationally designated to be celebrated as such.

5. Metering and Service Facilities

The Company will furnish and install appropriate metering to measure energy flow. The customer shall make a nonrefundable contribution for the cost of any instrument transformers required by the Company to properly measure use.

The customer shall furnish, install, and wire the necessary service entrance equipment, meter sockets, and meter enclosure or connection cabinets, that may be required by the Company, to properly meter on and off-peak usage.

The customer shall pay for the cost of rebuilding any Company facilities to provide adequate capacity for the parallel generation system. The Company must be reimbursed by the customer for costs, including financing cost over a period not to exceed 2 years.

6. Safety, System Protection, and Power Quality Rules of Interconnection

Parallel generation facilities shall be installed and operated in accordance with the rules specified in Schedule PgS-4, Sheet No. 7.90.

7. Interconnection Facilities

The customer shall furnish, install, operate, and maintain facilities such as relays, switches, synchronizing equipment, control, and protective devices designated by the Company as suitable for parallel operation with the Company system. Facilities shall be accessible at all times to authorized Company personnel. The customer retains the right to appeal to the Public Service Commission of Wisconsin if conditions being imposed by the Company are perceived to be excessively stringent.

Issued: 12-01-87

Effective: 12-03-87

PSCW Authorization Letter 6680 GRM:ATF
Dated 11-13-87

WPL 1233-H

**& Light Company**

E07-77/SJ-1

PARALLEL GENERATION - (In Excess of 20 kW)**ELECTRIC****8. Operation**

The company retains the right to require the customer to limit production of energy to an amount no greater than the customer's load at certain times as electrical operating conditions warrant.

9. Contract

The company and the customer shall enter into a contract specifying technical and operating aspects of parallel generation.

10. Liability of the Parties

Each of the parties shall indemnify and save harmless the other party against any and all damages to persons or property occasioned, without the negligence of such other party, by the maintenance and operation by such parties of their respective lines and other electrical equipment. The customer shall be required to maintain \$100,000 of liability insurance or demonstrate financial responsibility satisfactory to the company.

11. Service Option

Customers with generation facilities connected in parallel with Company facilities have the option to not be served under Paragraph 3c. of this schedule. In such case, meters used to measure energy and/or demand usage from the Company's system to the customer shall be ratcheted to prevent measurement of reverse flow.

Issued: 09-30-91

Effective: 10-01-91

PSCW Authorization

Letter 6080 ATF
Dated 09-28-91

WPL 1233-R

TOTAL P.04