

**WISCONSIN ELECTRIC POWER COMPANY**

Volume 19 – Electric Rates

Revision 4 Sheet 81.1

Amendment No. 708

Effective In All Areas Served In Wisconsin

Rate Schedule Cp FN

**GENERAL PRIMARY SERVICE – COMBINED FIRM and NON-FIRM SERVICE**

AVAILABILITY

For customers contracting for three-phase 60 hertz power service at approximately 13,200 volts or higher for a period of at least three years with a monthly 15 minute integrated demand of at least 1,000 kilowatts of interruptible load. Customers are required to remain on the selected on-peak period for at least one year. The Company reserves the right to restrict participation under this tariff to a program maximum of 150 MW contracted interruptible load. Any customer denied service under this tariff has a right to appeal this denial to the Public Service Commission of Wisconsin. The Company further reserves the right to add a curtailable option to this tariff, subject to PSCW approval.

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Customers participating in this rate schedule shall enter into a contract which specifies a firm service level above which all additional load, a minimum of 1,000 kilowatts, is interruptible by the Company and is treated and billed as such per the RATE and CONDITIONS OF DELIVERY sections of this tariff.

RATE

<u>Facilities Charge</u>	\$26.30137 per day		
<u>Demand Charges</u>	<u>For Service at Primary Voltages</u>		
	Equal to or Greater than 13,200 volts and Less than <u>138,000 volts</u>	Equal to or Greater than <u>138,000 volts</u>	
All Billed on-peak firm demand per kW	\$10.73800	\$10.59500	R
All Billed on-peak non-firm demand per kW (minimum of 1,000 kW beyond firm load)	\$5.37800	\$5.23500	R
All customer maximum demand per kW	\$1.00700	\$0.00000	R

Billed on-peak firm demand and customer maximum demand are as determined on Sheet No. 81.3 – 81.6

(Continued to Sheet No. 81.2)

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(Continued from Sheet No. 81.1)

Billed on-peak non-firm demand will be the on-peak demand less the billed on-peak firm demand as determined on Sheets No. 81.3 - 81.6 OR 80% of the highest measured off-peak non-firm demand adjusted for power factor as described on Sheet Nos. 81.3 - 81.6, whichever is greater, subject to a minimum billed on-peak non-firm demand of 700 kW. All other non-firm demand components are as determined on Sheet Nos. 81.3 - 81.6.

<u>Energy Charge</u>	<u>For Service at Primary Voltages</u>		
	Equal to or Greater than 13,200 volts and Less than <u>138,000 volts</u>	Equal to or Greater than <u>138,000 volts</u>	
<b>FIRM LOAD ENERGY</b> (per contract)			
All on-peak energy, per kWh (a)	\$0.06649	\$0.06560	<b>R</b>
All off-peak energy, per kWh (b)	\$0.04659	\$0.04514	<b>R</b>

**NON-FIRM (INTERRUPTIBLE) LOAD ENERGY**

All on-peak energy, per kWh (a)	\$0.06317	\$0.06232	<b>R</b>
All off-peak energy, per kWh (b)	\$0.04426	\$0.04288	<b>R</b>

- (a) General Primary on-peak energy usage is the energy in kilowatt-hours delivered during the on-peak period selected by the customer. The two on-peak periods available are:
- 8:00 a.m. to 8:00 p.m.  
10:00 a.m. to 10:00 p.m.

prevailing time, Monday through Friday, excluding those days designated as legal holidays for New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

- (b) General Primary off-peak energy usage is the energy in kilowatt hours delivered during all hours other than on-peak hours.
- (c) The method used in separating firm load energy from non-firm (interruptible) load energy is explained in the Determination of Energy section of this tariff.

(Continued to Sheet No. 81.3)

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**GENERAL PRIMARY SERVICE – COMBINED FIRM and NON-FIRM SERVICE**

(Continued from Sheet No. 81.2)

Point Beach Sale Credit

**N**

See Sheet No. 20.2

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Adjustment for Cost of Fuel

See sheets Nos. 19 and 20.

Transmission Adjustment

See Sheet No. 20.1.

Minimum Charge

The monthly minimum charge shall be the facilities charge, plus the customer maximum firm and non-firm demand charges, plus the greater of either:

- i. the charge for 300 kilowatts of billed on-peak firm demand (if the customer's firm service level is greater than 0), plus the charge for 700 kilowatts of billed on-peak interruptible demand or
- ii. the minimum billed on-peak firm and non-firm demand charges as stated in the facilities extension agreement.

Late Payment Charge

A one percent (1%) per month late payment charge will be applied to outstanding charges past due.

CONDITIONS OF DELIVERY

See Sheet Nos. 81.6 through 81.11 .

DETERMINATION OF DEMAND

(1) Measured Demands

- (a) Measured demand shall be the average rate at which energy is used for a period of 15 consecutive minutes as ascertained by a watthour meter and an associated electronic recorder or other standard measuring device.
- (b) Measured on-peak demand shall be the maximum measured demand established during on-peak hours within the billing period. Customer selection of on-peak and off-peak periods is covered in more detail in the Conditions of Delivery section of this tariff.

(Continued to Sheet No. 81.4)

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**N**

(Continued from Sheet No. 81.3)

DETERMINATION OF DEMAND (continued)

- (c) Contract firm service level shall be the firm service level as determined by a contract (service agreement) entered into by the Company and subscribers to this rate. The customer may re-nominate a contract firm service level once during a calendar year subject to approval by the Company. The contract firm service level may be increased by no more than 20% on an annual basis and no more than 30% during any period equivalent to the original term of the contract. At the sole discretion of the Company, customer-requested exceptions to these 20% and 30% re-nomination caps may be considered and granted, but only under extraordinary circumstances such as a systemic and sustained change in customer production levels.

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Note that the firm service level nominated can be zero such that all consumption will be billed as non-firm.

- (d) Measured on-peak firm demand shall be determined by the following criteria:

If the customer contracts for a firm service level of 0 kW, the measured on-peak firm demand shall be 0 kW. However, if the contract firm service level is greater than zero, the measured on-peak firm demand shall be that portion of measured on-peak demand that does not exceed the contract firm service level.

- (e) Measured on-peak non-firm demand shall be equal to the measured on-peak demand minus the measured on-peak firm demand.

- (f) Measured off-peak demand shall be the maximum demand within the billing period which is established during off-peak hours for the billing period. Off-peak hours are those hours not designated as on-peak hours.

- (g) Measured off-peak firm demand shall be determined by the following criteria:

If the customer contracts for a firm service level of 0 kW, the measured off-peak firm demand shall be 0 kW. However, if the contract firm service level is greater than zero, the measured off-peak firm demand shall be that portion of measured off-peak demand that does not exceed the contract firm service level.

- (h) Measured off-peak non-firm demand shall be equal to the measured off-peak demand minus the measured off-peak firm demand.

- (i) Customer maximum demand shall be the maximum measured demand, not adjusted for power factor, which occurs during either the on or off-peak period, in the current or preceding 11 billing periods.

(Continued to Sheet No. 81.5)

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**GENERAL PRIMARY SERVICE – COMBINED FIRM and NON-FIRM SERVICE**

**N**

(Continued from Sheet No. 81.4)

DETERMINATION OF DEMAND

(2) Billed On-Peak Demands

The demand charges herein are based on a standard power factor of 85 percent. Billed on-peak demand shall be determined by the following formula less any amount calculated in No. (3) below related to new equipment testing demand:

(a) For power factors at 85%

Billed on-peak firm demand = measured on-peak firm demand

Billed on-peak non-firm demand = measured on-peak non-firm demand

(b) For power factors below 85%

Billed on-peak firm demand =

(measured on-peak firm demand) [1 + (0.65)(0.85 – peak power factor)]

Billed on-peak non-firm demand =

(measured on-peak non-firm demand) [1 + (0.65)(0.85 – peak power factor)]

(c) For power factors above 85%

Billed on-peak firm demand =

(measured on-peak firm demand) [1 – (0.5) (peak power factor – 0.85)]

Billed on-peak non-firm demand =

(measured on-peak non-firm demand) [1 – (0.5) (peak power factor – 0.85)]

The peak power factor shall be calculated from the kilowatt hours “A”, as obtained from the watt-hour meter, and the use of lagging kilovolt-ampere reactive hours “B”, as obtained from a ratcheted reactive component meter, which are used during the same 15 minute period in which the maximum measured demand occurs by the following formula:

Peak power factor = A divided by square root of (A<sup>2</sup> + B<sup>2</sup>)

No credit will be given for a leading power factor.

(Continued to Sheet No. 81.6)

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**GENERAL PRIMARY SERVICE – COMBINED FIRM and NON-FIRM SERVICE**

**N**

(Continued from Sheet No. 81.5)

(3) New Equipment Testing Demand

For any customer installing new equipment requiring on-peak testing, for a period not to exceed 120 continuous days and when testing loads have on-peak hours of use less than 100, the customer may request that the Company pre-approve a testing period. During this pre-approved testing period, the customer maximum demand during this period will not be used in establishing the 12 month ratchet.

DETERMINATION OF ENERGY

(1) Firm Load Energy

If the customer contracts for a firm service level of 0 kW, the customer firm load energy shall be 0 kWh. However, if the contract firm service level is greater than zero, the customer's firm energy shall be that portion of the total load, measured in kilowatts for each 15-minute period of the month, that does not exceed the contract firm service level.

(2) Non-Firm (Interruptible) Load Energy

The customer's non-firm energy shall be that portion of the total load, measured in kilowatts for each 15-minute period of the month, that is in excess of the contract firm service level.

CONDITIONS OF DELIVERY

- (1) The Company will furnish three-phase 60 hertz power service at its most conveniently available primary voltage but in no case less than approximately 13,200 volts, at some one convenient point on the premises of the customer nearest the lines of the Company. The supply voltage will depend upon the location of the customer and the size and characteristics of his load. At the option of the Company, a customer receiving service under this rate at more than one voltage on the same premises may be billed on a conjunctive basis if the customer was required to change voltage due to the limitations of the Company's distribution system. If the customer elects to serve additional load at a higher voltage and the Company has distribution facilities at the existing voltage adequate to serve the additional load, then the Company shall bill the customer separately at each voltage.

(Continued to Sheet No. 81.7)

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**GENERAL PRIMARY SERVICE – COMBINED FIRM and NON-FIRM SERVICE**

(Continued from Sheet No. 81.6)

CONDITIONS OF DELIVERY

- (2) Service under this rate is primarily for customers who use it in manufacturing and industrial operations. Any customer receiving service under this rate who requires lighting regulation shall furnish, install, operate and maintain the necessary regulating equipment at his expense.
- (3) The customer shall, at his expense, install all apparatus and materials necessary for the proper utilization of the power furnished by the Company. All such apparatus shall conform to the Company's rules and regulations pertaining to primary substation installation and shall at all times be kept suitable for operation by the power furnished.
- (4) If the customer's off-peak demand exceeds the on-peak demand to the extent that the installation of additional facilities is required, then the customer shall pay for such additional facilities. R
- (5) Unless specified to the contrary in writing by six months prior to written notice to customer, provided the on-peak period does not exceed twelve hours per day, on-peak hours shall be either from 8:00 a.m. to 8:00 p.m. or from 10:00 a.m. to 10:00 p.m., as selected by the customer, prevailing time, Monday through Friday, excluding those days designated as legal holidays for New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.
- (6) The Company will furnish auxiliary service under this rate to a customer who operates his power plant. For such service the customer's net yearly bill shall be not less than \$15.00 per kilovolt-ampere or equivalent kilovolt-ampere output rating of all customer's power plant equipment that supplies load which can be transferred from the customer's to the Company's system or the kilovolt-ampere rating of the customer's substation capacity able to serve such loads, whichever is the smaller. The customer's power plant equipment is defined as including steam, combustion or hydraulic equipment used to operate electric generators, air compressors, refrigeration equipment, pumps and other similar equipment. At the end of each calendar year, if the net amounts, excluding the adjustment for cost of fuel, billed by the Company for service under the customer's contract have not equaled the net minimum yearly bill for auxiliary service as provided hereunder, then the difference shall be billed by the Company and paid by the customer with the regular bill for service for the twelfth month of the calendar year. The first year's billing under a new contract shall be prorated to the December reading date. R

(Continued to Sheet No. 81.8)

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**GENERAL PRIMARY SERVICE – COMBINED FIRM and NON-FIRM SERVICE**

(Continued from Sheet No. 81.7)

CONDITIONS OF DELIVERY

- (7) Customers who wish to operate electric generation equipment in parallel with the Company's system shall abide by the conditions of purchase for rate schedules CGS1, CGS2 and CGS3. R
- (8) Should the customer, because of fire, strike, demonstrations, casualties, civil or military authority, insurrection or riot, the actions of the elements, or any other like causes beyond his control, be prevented from utilizing the power service contracted for, the Company will waive the monthly minimum demand charge for such period; provided, however, that the period of time of such suspension of use of power shall be added to the period of the contract; and further, provided that the customer notifies the Company in writing within six days of his inability to use said power service, specifying reasons therefore.
- (9) The Company shall use reasonable diligence in furnishing an uninterrupted and regular supply of power, but it shall not be liable for any damages sustained by customer because of interruptions, deficiencies, or imperfections in electric service provided under this rate.
- (10) Service under this rate shall be furnished only in accordance with the Electric Service Rules and Regulation of the Company.
- (11) Except as provided by contract entered into pursuant to paragraph 6 of these conditions, the Company shall not be required to provide service as standby for other types of energy or fuel. Customers with their own generating equipment shall be required to separately meter such equipment or demonstrate the separation of non-firm loads from the generation output. R
- (12) Energy furnished under this rate shall not be resold, except as provided in the Electric Service Rules and Regulations of the Company.
- (13) For customers owning and operating generating systems greater than 75 MW gross output, the Company, under contract agreement for billing and metering, may net the kWh consumed by the customer's generating facility from those kWh produced by the customer's same generating facility for those periods when the customer's generating facility is producing energy. There will be no net billing of the demand component or a reduction in the facilities charge. If additional metering is required for this net energy billing, the customer must pay for such metering.

(Continued to Sheet No. 81.9)

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**GENERAL PRIMARY SERVICE – COMBINED FIRM and NON-FIRM SERVICE**

(Continued from Sheet No. 81.8)

CONDITIONS OF DELIVERY

(14) A customer may make a one-time election to take service under this rate schedule for a trial period of twelve consecutive months, provided the customer has not been previously served under another of the Company's non-firm rates. The customer must execute a contract which specifies that the customer will notify the Company at least 30 days before the trial period ends of whether the customer will continue the interruptible service under this rate schedule for a minimum of three more years. The interruptible service contract will contain a provision which, absent notice, will automatically extend the contract for one year from each anniversary date.

(15) If the customer terminates the contract schedule described in (12) prior to the date of termination as set forth in said contract, the customer will pay to the Company a cancellation charge equal to the demand charge differential between the customer's non-firm demand charge and the firm on-peak demand charge from this rate schedule multiplied by the sum of the billed demands associated with the customer's interruptible load as shown on the customer's bills for the most recent 12 month period. The cancellation charge will not apply if the customer executes a contract to take service, effective the day following termination of the existing non-firm contract, under the Company's Contract Service Tariff for a period of at least 3 years, or, another of the Company's non-firm rate schedules which has a 3 year rolling contract term, provided that there is no increase in on-peak firm demand for the duration of the current contract term which is defined as the remaining term as of the next anniversary date of the contract. For example, if the contract has a three year term with an anniversary date of April 30, 2006, and the change is requested prior to April 30, 2006, then no additional firm load may be added until May 1, 2009. After that date, changes may be made only in accordance with tariff requirements.

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At the sole discretion of the Company, other customer requests to waive this cancellation fee may be considered and granted, but only under extraordinary circumstances such as a systemic and sustained change in Customer production levels.

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(16) For the purposes of determining the customer's eligibility for the non-firm portion of this rate, the customer's non-firm interruptible load will be the difference between the customer's maximum measured on-peak demand during the last consecutive 12-month period and the customer's proposed contracted firm service level. Service under this rate may be refused if the Company believes the load to be interrupted will not provide adequate load reduction when the Company desires interruption. The Company will notify the customer of the Company's refusal to provide service under this rate and the Company will inform the customer of the customer's right to ask for a commission review of the Company's refusal of service.

(17) If the customer's non-firm interruptible load is less than 1000 kW for any 3-months out of a 12 consecutive month period, the Company may suspend service under the non-firm interruptible portion of this rate and serve the customer under the firm portion of this rate for their entire load.

(Continued to Sheet No. 81.9)

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**GENERAL PRIMARY SERVICE – COMBINED FIRM and NON-FIRM SERVICE**

(Continued from Sheet No. 81.9)

R

CONDITIONS OF DELIVERY

- (18) The customer shall, at their expense, install all apparatus and materials necessary for the measurement of the non-firm load. The customer's circuits are to be arranged so that none of the interruptible load can be transferred to service furnished under any other rate.
- (19) Non-firm interruptible service under this rate shall be subject to interruption at the sole discretion of the Company. The sum of capacity interruptions and system energy economy constraints will not exceed 300 hours in any calendar year. Brief periods of capacity and system energy economy interruption (periods that are less than six hours duration) shall be regarded as having lasted six hours, for purposes of limiting the total annual hours to 300. Interruptions due to lightning, wind, and other physical causes other than intentional interruption by the Company shall not be considered in determining the hours of interruption.
- (20) The Company shall maintain control over Customer's non-firm interruptible load at all times. This control will involve either actual direct remote control of the interruptible load by the Company or a control scheme that is mutually agreed upon by the Company and Customer and reflected in the contract.
- (21) Non-firm interruptible service under this rate shall be subject to:
  - a) Interruptions due to capacity constraints, during which the customer must interrupt load or be charged a penalty, and b) system energy economy constraints, during which the customer may elect to either drop load or pay the additional charge for energy use.

Capacity Interruptions: Interruptions due to capacity constraints may occur without prior notice, however the Company will endeavor to provide notice where possible. The customer shall be charged a penalty for each occurrence in which the customer fails to interrupt load during a period of capacity interruption. During the twelve month trial period, the penalty shall be fifteen dollars (\$15) per kilowatt of maximum measured demand above the customer's contracted firm service level recorded during a capacity interruption period, for up to two failures to interrupt within said trial period. Beginning with the third failure to interrupt during the trial period, and for all failures to interrupt which occur after the expiration of the trial period, the penalty shall be thirty-five dollars (\$35) per kilowatt of maximum measured demand recorded during a capacity interruption period above the customer's contracted firm service level. The Company may suspend service under this rate and thereafter serve the customer under the appropriate rate if the customer fails to interrupt service twice in any consecutive twelve month period.

(Continued to Sheet No. 81.11)

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**GENERAL PRIMARY SERVICE – COMBINED FIRM and NON-FIRM SERVICE**

(Continued from Sheet No. 81.10)

CONDITIONS OF DELIVERY

- b) System Energy Economy Constraints: The customer shall receive one hour notice of a system energy economy constraint which will include the projected system avoided cost of power plus 10% for the economy constraint period. An example of determination of the additional charge is shown below:

System Avoided Cost of Power Plus 10% per kWh	\$0.20000	R
Less: On-peak Energy per kWh at Existing Rate	<u>\$0.06317</u>	R
Additional Charge per kWh	\$0.13683	R

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