

RESIDENTIAL SERVICE MR-1

Applicable to: All areas served.

Availability: This service is available to all residential Customers for all domestic use. This service is not available to serve unattached, non-domestic dwellings which are metered separately.

Electric Supply Service: Customers may choose to have Electric Supply Service from an AES according to Customer Supply Service CSS-1 and Retail Access Service Tariff RAS-1. Customers that do not choose an AES shall be provided Electric Supply Service by the Company according to System Supply Service SSS-1.

Monthly Rates:

Customer Charge with Standard Meter: \$ 4.25 per Customer per month
(Normal Metering Configuration)

Customer Charge with Interval Demand Meter: \$ 10.00 per Customer per month
(CSS-1 Metering For Large Customers *)

Distribution Delivery Charge: 2.69 ¢ per kWh

Electric Supply Service Options:
for System Supply Service, see Schedule SSS-1
for Customer Supply Service, see Schedule CSS-1

Minimum Net Monthly Charge: The Customer Charge unless otherwise provided by contract.

* Metering and Telephone Connection Requirements: Interval Demand Metering is mandatory for Customers who choose an AES, who are served under schedule CSS-1 and who have a Maximum Demand in excess of 25 kW. Further terms and conditions for metering and telephone connections are specified in the Retail Access Service Tariff RAS-1, Section 2.5-Metering and Load Profiling.

Customer Switching Service Charge: A Customer may switch Electric Suppliers, subject to a switching fee as specified according to the Retail Access Service Tariff RAS-1, Section 2.4-Customer Enrollment and Switching.

Late Payment Charge: The due date shall be 21 days following the date of mailing. A late payment charge of 1%, not compounded, of the unpaid balance, net of taxes, shall be added to any bill which is delinquent. The late payment charge shall not apply to Customers participating in the Winter Protection Plan described in U-4240. A delinquent account is a bill which remains unpaid at least 5 days after the due date of the bill.

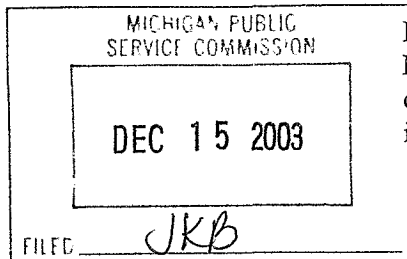
Rate Code:

C01 MR-1 with SSS-1
C71 MR-1 with CSS-1

Issued December 1, 2003 by

Effective: June 2, 2003

M. L. Swenson
President
Eau Claire, Wisconsin



Issued Under Authority Of The
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dated April 17, 2003
in Case No. U-12133

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RESIDENTIAL TIME-OF-DAY SERVICE MR-2

Applicable to: All areas served.

Availability: This rate is available on an optional basis for residential use only for lighting, residential appliances, heating, cooking and domestic power furnished through one meter for a period of one year or more. Availability is at the discretion of the Company and is subject to the ability of the Company to obtain and install the required metering equipment. The Company agrees to keep this schedule available to Customer for a minimum of 5 years. Upon expiration of a full year on this rate schedule Customer may, at Customer's option, transfer to the Residential Service (MR-1).

Any customer choosing to be served on this rate schedule waives all rights to any billing adjustments arising from a claim that the bill for the customer's service would be cheaper on any alternative rate schedule for any period of time.

Electric Supply Service: Customers may choose to have Electric Supply Service from an AES according to Customer Supply Service CSS-1 and Retail Access Service Tariff RAS-1. Customers that do not choose an AES shall be provided Electric Supply Service by the Company according to System Supply Service SSS-1.

Monthly Rates:

Customer Charge with Time of Day Recording Meter: \$ 6.75 per Customer per month
(Normal Metering Configuration)

Customer Charge with Interval Demand Meter: \$ 10.00 per Customer per month
(CSS-1 Metering For Large Customers *)

Distribution Energy Charge: 2.69 ¢ per kWh

Electric Supply Service Options:

for System Supply Service, see Schedule SSS-1
for Customer Supply Service, see Schedule CSS-1

Minimum Net Monthly Charge: The Customer Charge unless otherwise provided by contract.

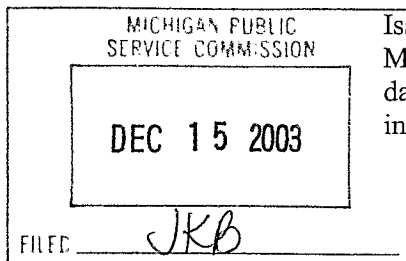
* Metering and Telephone Connection Requirements: Interval Demand Metering is mandatory for Customers who choose an AES, who are served under schedule CSS-1 and who have a Maximum Demand in excess of 25 kW. Further terms and conditions for metering and telephone connections are specified in the Retail Access Service Tariff RAS-1, Section 2.5-Metering and Load Profiling.

(Continued on Sheet No. 146.1)

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President
Eau Claire, Wisconsin



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RESIDENTIAL TIME-OF-DAY SERVICE MR-2

(Continued from Sheet No. 146)

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Customer Switching Service Charge: A Customer may switch Electric Suppliers, subject to a switching fee as specified according to the Retail Access Service Tariff RAS-1, Section 2.4-Customer Enrollment and Switching.

Late Payment Charge: The due date shall be 21 days following the date of mailing. A late payment charge of 1%, not compounded, of the unpaid balance, net of taxes, shall be added to any bill which is delinquent. The late payment charge shall not apply to Customers participating in the Winter Protection Plan described in U-4240. A delinquent account is a bill which remains unpaid at least 5 days after the due date of the bill.

Definition of Peak Periods: Unless specified to the contrary in writing by the Company to any Customer using this schedule and refileing this rate sheet not later than November 1 of each year, on-peak hours shall be a 12-hour block of continuous hours as selected by Customer from options listed below. On-peak hours shall begin at the same time for each of the on-peak days, which are Monday through Friday, inclusive (excluding holidays), for the 12 months beginning with the first full billing period following December 15. The holidays designated shall be New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving and Christmas, on the day nationally designated to be celebrated as such.

When a designated holiday occurs on Saturday, the preceding Friday will be considered an off-peak day. When a designated holiday occurs on Sunday, the following Monday will be considered an off-peak day.

Choice of Peak Periods: Available in all geographical portions of service area.¹ Customer may choose one of five optional peak periods and must maintain the choice for a minimum of one year. The five on-peak periods have the following beginning and ending hours:

<u>Option</u>	<u>Beginning Hour</u>	<u>Ending Hour</u>
1	9:00 a.m.	9:00 p.m.
2	8:30 a.m.	8:30 p.m.
3	8:00 a.m.	8:00 p.m.
4	7:30 a.m.	7:30 p.m.
5	7:00 a.m.	7:00 p.m.

Off-peak hours are times not specified an on-peak hours. One year after initial choice of peak periods, Customer may change peak period selection. Such change is allowed only once per year.

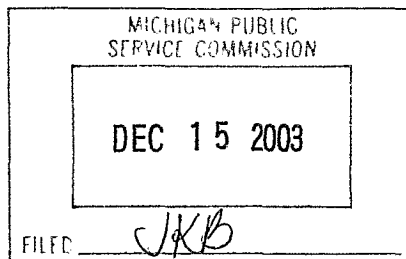
Rate Code:

C02 MR-2 with SSS-1
C72 MR-2 with CSS-1

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President
Eau Claire, Wisconsin



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NSP WISCONSIN

NORTHERN STATES POWER COMPANY

M. P. S. C. NO. 1 ELECTRIC -- MICHIGAN

4th Revised

Sheet No. 147

Cancels 3rd Revised

Sheet No. 147

CONTROLLED WATER HEATING SERVICE MW-1

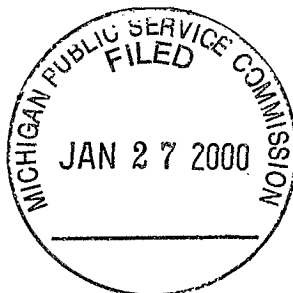
(Cancelled) - Customers transferred to Applicable Rate Schedules.

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ISSUED: January 4, 2000

BY: J. L. LARSEN
PRESIDENT
EAU CLAIRE, WISCONSIN



EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER January 7, 2000

ISSUED UNDER AUTHORITY OF THE MICHIGAN
PUBLIC SER. COMM. DATED January 6, 1999
IN CASE NO. U-11777

AUTOMATIC OUTDOOR LIGHTING SERVICE MOL-1

Applicable to: All areas where Company supplies standard secondary service voltages.

Availability: Available to any residential, commercial or industrial customer for automatic lighting of private outdoor areas, when customer accepts the terms and conditions of service set forth below. A signed application is necessary as a condition of service under this schedule.

Rate:

Type	Nominal Lamp Rating		Net Rate per Lamp per Month	
	Wattage	Lumens	*Mercury Vapor	HP Sodium Vapor
01	175	7,500	\$ 7.69	
02	250	12,100	\$10.98	
03	100	9,500		\$ 6.15
04	250	27,500		\$ 8.85
05	400	50,000		\$12.40

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* Closed: No additional units will be installed nor existing units moved after February 7, 1989.

General Service Conditions:

- Company will install, own, operate and provide only routine maintenance to the lighting unit including the fixture, lamp, ballast, photo-electric control, mounting brackets and all necessary wiring. The cost of repairs for damage to the lighting installation caused by vandalism will be the customer's financial responsibility. Company will furnish all electric energy required for operation of unit.
- The hours of burning shall be every night approximately one-half hour after sunset until one-half hour before sunrise the following morning.
- If the operation of a lamp is interrupted and illumination is not resumed within seventy-two hours from the time the Company is notified by the customer, 1/30 of the net monthly charge per unit shall be deducted for each night the unit is inoperative.
- Agreement shall continue in full force and effect for a period of three years from the date of connection, and shall be extended on a monthly basis automatically thereafter, unless terminated by a notice of cancellation from the customer to the Company.

(Continued to Sheet No. 148.1)

ISSUED: January 4, 2000

BY: J. L. LARSEN
PRESIDENT
EAU CLAIRE, WISCONSIN



EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER January 7, 2000

ISSUED UNDER AUTHORITY OF THE MICHIGAN
PUBLIC SER. COMM. DATED January 6, 1999
IN CASE NO. U-11777

AUTOMATIC OUTDOOR LIGHTING SERVICE MOL-1

(Continued from Sheet No. 148)

- 5. Installation will be made only on an existing utility pole which has secondary circuits presently mounted, at no cost to the customer.
- 6. For billing purposes, the Company's Power Supply Cost Recovery Factor as set forth on Sheet Number 182 shall apply to all kilowatthours set forth under "Estimated Monthly Kilowatthours" above.
- 7. Late Payment Charge The due date shall be 21 days following the date of mailing. A late payment charge of 1%, not compounded, of the unpaid balance, net of taxes, shall be added to any bill which is delinquent. The late payment charge shall not apply to customers participating in the Winter Protection Plan described in U-4240. A delinquent account is a bill which remains unpaid at least 5 days after the due date of the bill.

Rate Code

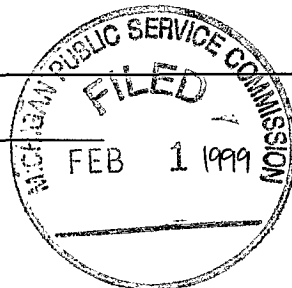
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ISSUED January 19, 1999

BY: J. L. LARSEN
PRESIDENT
EAU CLAIRE, WISCONSIN



EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER January 7, 1999

ISSUED UNDER AUTHORITY OF THE MICHIGAN
PUBLIC SER. COMM. DATED January 6, 1999
IN CASE NO. U-11777

SMALL COMMERCIAL SERVICE MSC-1

Applicable: All areas served.

Availability: Available to any general service Customer for single- or three-phase electric service supplied through one meter where Customer's demands are not measured.

Electric Supply Service: Customers may choose to have Electric Supply Service from an AES according to Customer Supply Service CSS-1 and Retail Access Service Tariff RAS-1. Customers that do not choose an AES shall be provided Electric Supply Service by the Company according to System Supply Service SSS-1.

Monthly Rate:

Customer Charge with Energy-Only Meter:

(Normal Metering Configuration)

Single Phase	\$ 7.50 per Customer per month
Three Phase	\$ 12.50 per Customer per month

Customer Charge with Interval Demand Meter:

(CSS-1 Metering For Large Customers *)

Single Phase	\$ 13.25 per Customer per month
Three Phase	\$ 18.25 per Customer per month

Distribution Delivery Charge:

2.69 ¢ per kWh

Electric Supply Service Options:

for System Supply Service,	see Schedule SSS-1
for Customer Supply Service,	see Schedule CSS-1

Minimum Net Monthly Charge: The Customer Charge unless otherwise provided by contract.

* Metering and Telephone Connection Requirements: Interval Demand Metering is mandatory for Customers who choose an AES, who are served under schedule CSS-1 and who have a Maximum Demand in excess of 25 kW. Further terms and conditions for metering and telephone connections are specified in the Retail Access Service Tariff RAS-1, Section 2.5-Metering and Load Profiling.

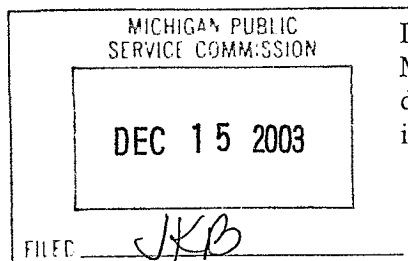
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(Continued on Sheet No. 149.1)

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President
Eau Claire, Wisconsin



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SMALL COMMERCIAL SERVICE MSC-1

(Continued from Sheet No. 149)

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Customer Switching Service Charge: A Customer may switch Electric Suppliers, subject to a switching fee as specified according to the Retail Access Service Tariff RAS-1, Section 2.4-Customer Enrollment and Switching.

Terms and Conditions: If it becomes necessary for Company to install a demand meter, the measured demand shall become the basis of charge and the customer will be placed on the appropriate General Service rate schedule.

Installation of Demand Meter:

Customer will be billed on this service unless:

1. Customer is served single-phase and has a service entrance capacity greater than 200 amperes, or
2. Customer is serviced three-phase at 120/208 or 120/240 volts and has a service entrance capacity greater than 200 amperes, or
3. Customer is served three-phase at 240/480 or 277/480 volts, and has a service entrance capacity greater than 100 amperes. (Customers with service entrance capacity of 100 amperes or less may, at their option, have a demand meter installed), or
4. Customer is served at a primary voltage level, or
5. Customer is being served on the Athletic Field Lighting Rider as of December 31, 1987.

Late Payment Charge: The due date shall be 21 days following the date of mailing. A late payment charge of 1%, not compounded, of the unpaid balance, net of taxes, shall be added to any bill which is delinquent. A delinquent account is a bill which remains unpaid at least 5 days after the due date of the bill.

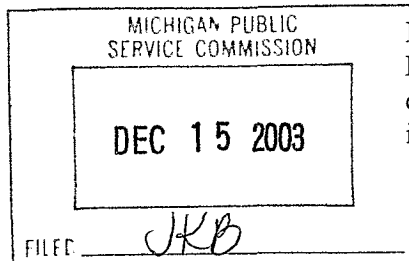
Rate Code:

C10 MSC-1 with SSS-1
C73 MSC-1 with CSS-1

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Eau Claire, Wisconsin



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SMALL GENERAL TIME-OF-DAY SERVICE MST-1

Applicable: All areas served.

Availability: Available on an optional basis to any general service Customer for single- or three-phase electric service supplied through one meter where Customer's demands are not measured.* Availability is at the discretion of Company and is subject to the ability of Company to obtain and install the required metering equipment. The Company agrees to keep this schedule or a similar schedule available to customer for a minimum of 5 years. If customer moves, both original and new customer have the option to retain time-of-day billing or to transfer to Small General Service rate schedule MSC-1.

Electric Supply Service: Customers may choose to have Electric Supply Service from an AES according to Customer Supply Service CSS-1 and Retail Access Service Tariff RAS-1. Customers that do not choose an AES shall be provided Electric Supply Service by the Company according to System Supply Service SSS-1.

Monthly Rate:

Customer Charge with Time of Day Recording Meter:

(Normal Metering Configuration)

Single Phase \$10.50 per Customer per month
Three Phase \$15.50 per Customer per month

Customer Charge with Interval Demand Meter:

(CSS-1 Metering For Large Customers **)

Single Phase \$ 13.25 per Customer per month
Three Phase \$ 18.25 per Customer per month

Distribution Energy Charge:

2.69 ¢ per kWh

Electric Supply Service Options:

for System Supply Service, see Schedule SSS-1
for Customer Supply Service, see Schedule CSS-1

Minimum Net Monthly Charge: The Customer Charge unless otherwise provided by contract.

Customer Switching Service Charge: A Customer may switch Electric Suppliers, subject to a switching fee as specified according to the Retail Access Service Tariff RAS-1, Section 2.4-Customer Enrollment and Switching.

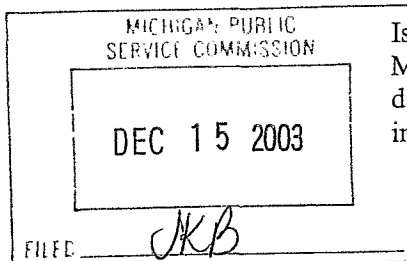
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(Continued on Sheet No. 149.51)

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President
Eau Claire, Wisconsin



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SMALL GENERAL TIME-OF-DAY SERVICE MST-1

(Continued from Sheet No. 149.5)

Definition of Peak Periods: Unless specified to the contrary in writing by the Company to any Customers using this schedule and refileing this rate sheet not later than November 1 of each year, on-peak hours shall be from 9:00 a.m. to 9:00 p.m. Monday through Friday, inclusive (excluding holidays), for the 12 months beginning with the first full billing period following December 15. The holidays designated shall be New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving and Christmas, on the day nationally designated to be celebrated as such. When a designated holiday occurs on Saturday, the preceding Friday will be considered an off-peak day. When a designated holiday occurs on a Sunday, the following Monday will be considered an off-peak day.

Off-peak hours are times not specified as on-peak hours.

*Demand Meter Installation:

If it becomes necessary for Company to install a demand meter, the measured demand shall become the basis of charge and the customer will be placed on the appropriate General Service rate schedule. Customer will be billed on this service unless:

1. Customer is served single-phase and has a service entrance capacity greater than 200 amperes, or
2. Customer is serviced three-phase at 120/208 or 120/240 volts and has a service entrance capacity greater than 200 amperes, or
3. Customer is served three-phase at 240/480 or 277/480 volts, and has a service entrance capacity greater than 100 amperes. (Customers with service entrance capacity of 100 amperes or less may, at their option, have a demand meter installed), or
4. Customer is served at a primary voltage level, or
5. Customer is being served on the Athletic Field Lighting Rider as of December 31, 1987.

** Metering and Telephone Connection Requirements: *Interval Demand Metering is mandatory for Customers who choose an AES, who are served under schedule CSS-1 and who have a Maximum Demand in excess of 25 kW. Further terms and conditions for metering and telephone connections are specified in the Retail Access Service Tariff RAS-1, Section 2.5-Metering and Load Profiling.*

Term of Agreement: One year or longer as provided in the General Rules and Regulations.

Late Payment Charge: The due date shall be 21 days following the date of mailing. A late payment charge of 1%, not compounded, of the unpaid balance, net of taxes, shall be added to any bill which is delinquent. A delinquent account is a bill which remains unpaid at least 5 days after the due date of the bill.

Rate Code:

C11 MST-1 with SSS-1
C74 MST-1 with CSS-1

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M. L. Swenson
President
Eau Claire, Wisconsin



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COMMERCIAL INDUSTRIAL GENERAL SERVICE MCI-1

Applicable: All areas served.

Availability: Available to any general service Customer for single- or three-phase electric service supplied through one meter where Customer's demands are measured and where Customer is not required to be on Service Schedule MI-1. * For new Customers, Company may, at its own discretion, serve Customer on schedule MSC-1 and delay determination of the Customer's demand until annual review of the first 12 months of service.

Electric Supply Service: Customers may choose to have Electric Supply Service from an AES according to Customer Supply Service CSS-1 and Retail Access Service Tariff RAS-1. Customers that do not choose an AES shall be provided Electric Supply Service by the Company according to System Supply Service SSS-1.

Kind of Service: Alternating current at the following nominal voltages:

- (a) for Secondary Voltage Service--three-wire single-phase and three- or four-wire three-phase at 208 volts or higher;
- (b) for Primary Voltage Service--three-phase at 2400 volts or higher. Service voltage available in any given case is dependent upon voltage and capacity of existing Company lines in vicinity of Customer's premises.

Monthly Rate:

Customer Charge with Demand Meter: \$ 30.00 per Customer per month
(Normal Metering Configuration)

Customer Charge with Interval Demand Metering: \$ 40.00 per month
(CSS-1 Metering For Large Customers **)

Distribution Demand Charge:

Secondary Voltage \$ 2.17 per kW/mo.
Primary Voltage \$ 2.07 per kW/mo.

Distribution Energy Charge:

Secondary Voltage 1.20 ¢ per kWh.
Primary Voltage Discount 2.0 %

Electric Supply Service Options:

for System Supply Service, see Schedule SSS-1
for Customer Supply Service, see Schedule CSS-1

System Power Factor Demand Charge:

Secondary Voltage \$ 7.45 per kW/mo.
Primary Voltage \$ 7.12 per kW/mo.

(Continued on Sheet No. 151)

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Eau Claire, Wisconsin



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COMMERCIAL INDUSTRIAL GENERAL SERVICE MCI-1

(Continued from Sheet No. 150)

Minimum Net Monthly Charge: The Customer Charge unless otherwise provided by contract.

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Customer Switching Service Charge: A Customer may switch Electric Suppliers, subject to a switching fee as specified according to the Retail Access Service Tariff RAS-1, Section 2.4-Customer Enrollment and Switching.

*Demand Meter Installation:

Company will install a demand meter to measure the average kilowatts required during the 15-minute period of maximum use, rounded to the nearest whole kilowatt and such demands will be used for Billing Demands when:

1. Customer is served single-phase and has a service entrance capacity greater than 200 amperes; or
2. Customer is served three-phase at 120/208 or 120/240 volts and has a service entrance capacity greater than 200 amperes; or
3. Customer is served three-phase at 240/480 or 277/480 volts, and has a service entrance capacity greater than 100 amperes. (Customers with service entrance capacity of 100 amperes or less may, at their option, have a demand meter installed); or
4. Customer is served at a primary voltage level.

** Metering and Telephone Connection Requirements: Interval Demand Metering is mandatory for Customers who choose an AES, who are served under schedule CSS-1 and who have a Maximum Demand in excess of 25 kW. Further terms and conditions for metering and telephone connections are specified in the Retail Access Service Tariff RAS-1, Section 2.5-Metering and Load Profiling.

Measured Demand: The Company will install a demand meter to record the Measured Demand. The Measured Demand shall be the average kilowatts, rounded to the nearest whole kilowatt, required during the 15-minute period of maximum use.

The Average Lagging Power Factor is defined to be the quotient obtained by dividing the kilowatt-hours used during the month by the square root of the sum of the squares of the kilowatt-hours used and the lagging reactive kilovolt-ampere-hours supplied during the same period. Any leading kilovolt-ampere hours supplied during the same period will not be considered in determining the Average Lagging Power Factor.

(Continued on Sheet No. 152)

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President
Eau Claire, Wisconsin

MICHIGAN PUBLIC SERVICE COMMISSION

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in Case No. U-12133

COMMERCIAL INDUSTRIAL GENERAL SERVICE MCI-1

(Continued from Sheet No. 151)

System Power Factor Adjustment: Company reserves the right to determine the power factor of the customer installation served hereunder. Should the Average Lagging Power Factor during the month be determined to be below 90%, the System Power Factor Adjustment shall be equal to the sum of minus one (-1) plus the ratio of 90% divided by the Average Lagging Power Factor. If the Average Lagging Power Factor during the month is 90% or above, the System Power Factor adjustment is equal to zero (0). The System Power Factor Adjustment is applied, as specified below, when customer's Measured Demand is greater than 100 kW for 4 of 12 consecutive billing months. The System Power Factor Adjustment is not applied if the Measured Demand remains below 100 kW for 12 consecutive months.

Billing Demand Definitions: The Monthly Billing Demand shall be the Measured Demand for the current month after adjusting for losses, if applicable. The Monthly Billing Demand Limit is determined so that in no month will the Monthly Billing Demand be greater than the value in kW determined by dividing the kWh sales for the billing month by 100 hours. The Monthly Billing Demand shall be used for calculating the Distribution Demand Charge in this service schedule and for calculating the Supply Demand Charge according to Schedule SSS-1. The System Power Factor Demand, if applicable, is calculated for billing purposes as the product of the System Power Factor Adjustment multiplied times the Monthly Billing Demand.

Demand Related Charges: In a month for which a System Power Factor Adjustment is applied, the Customer is billed a System Power Factor Charge. The System Power Factor Charge is calculated as the product of the System Power Factor Demand in kW multiplied times the System Power Factor Demand Charge rate. The Distribution Demand Charge is calculated as the product of the Monthly Billing Demand multiplied times the Distribution Demand Charge rate.

Late Payment Charge: The due date shall be 21 days following the date of mailing. A late payment charge of 1%, not compounded, of the unpaid balance, net of taxes, shall be added to any bill which is delinquent. A delinquent account is a bill which remains unpaid at least 5 days after the due date of the bill.

Rate Code:

C12 MCI-1 with SSS-1
C75 MCI-1 with CSS-1

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Eau Claire, Wisconsin



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NSP WISCONSIN

NORTHERN STATES POWER COMPANY

M. P. S. C. NO. 1 ELECTRIC -- MICHIGAN

3rd Revised

Sheet No. 153

Cancels 2nd Revised

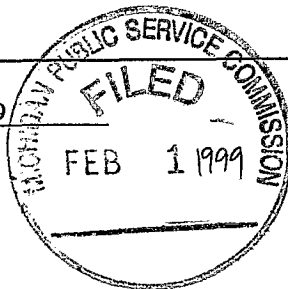
Sheet No. 153

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ISSUED January 19, 1999

BY: J. L. LARSEN
PRESIDENT
EAU CLAIRE, WISCONSIN



EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER January 7, 1999

ISSUED UNDER AUTHORITY OF THE MICHIGAN
PUBLIC SER. COMM. DATED January 6, 1999
IN CASE NO. U-11777

EXPERIMENTAL LOAD CONTROL RIDER MLC-1

Applicable: All areas served.

Availability: Available on an optional basis to any single- or three-phase, commercial, industrial, or agricultural customer, *who receives service according to Schedule SSS-1*. Customer shall allow Company to control all or part of their load during interruption periods. Agricultural customers are limited to controlling non-residential use equipment only. This rate will be available on an experimental basis. The impacts and effectiveness of the rate will be evaluated and a decision will be made to either eliminate, modify, or continue the rate. Any such decision will be subject to approval by the Michigan Public Service Commission (MPSC).

Rate: Monthly credit of \$3.00 per kW of controlled load.

Terms and Conditions:

1. Load management service and credits availability are at the discretion of Company and are subject to control system coverage in the area and the ability of Company to obtain and install the required load management equipment. If the customer's load is outside the capacity of Company's equipment, customer will be responsible for any additional equipment necessary to take service under this rate.
2. Credits will apply to prequalified kW load controlled by Company. Company will determine the prequalified kW load by equipment specifications or metering the controlled load.
3. Customer will allow Company the use of existing telephone facilities at no cost to Company, when said facilities are required for monitoring by Company. Customer will not be responsible for any additional costs associated with the monitoring. Company monitoring will be done on a random basis for load research purposes only.
4. Load controlled by Company must provide adequate load reduction (operating at the time of interruption), as determined by Company, during the months of June, July, August and September. If a customer is not allowed on this rate due to inadequate load reduction, the customer may apply to the MPSC for a review of that determination.
5. The duration and frequency of interruptions shall be controlled by Company. Interruption will normally be based on meeting peak demands and system economic dispatch requirements of Company. However, interruption may also occur at times when, in Company's opinion, the reliability of the system is endangered.
6. Managed air conditioner load will normally be cycled off for no more than 15 minutes in any 30-minute portion of a load management period.

(continued on Sheet No. 153.51)

Issued December 28, 2001 by

J. L. Larsen
President
Eau Claire, Wisconsin



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**NSP Wisconsin
Northern States Power Company
M.P.S.C. NO. 1 Electric - Michigan**

Original Sheet No. 153.51

EXPERIMENTAL LOAD CONTROL RIDER MLC-1 (cont'd)

7. Company shall not be liable for any loss or damage caused by or resulting from any interruption of service.
8. Company will provide necessary load management equipment. Customer must provide a continuous 120 volt AC power source at the connection point for operation of Company's remote control equipment.
9. The load management equipment shall be installed on the customer's premises such that the desired load(s) can be managed by Company. The location of Company's load management equipment shall be determined by Company and approved by the customer. All loads to be controlled by Company shall be permanently wired.
10. Company representatives, upon notifying customer and when properly identified, shall have access to customer's premises at all reasonable times for the purpose of reading meters, making repairs, making inspections, removing Company's property, or for any other purpose incident to this service.
11. Refusal by customer to allow Company representative access to premises shall be grounds for Company to terminate managed service and all future credits. Customer will be transferred to the appropriate unmanaged service.

Rate Codes:

		<u>Urban</u>	<u>Rural</u>	
Residential		AE400	BE400	
Residential T.O.D. Service (MR-2)	On Peak	AF400	BF400	
	Off Peak	AF401	BF401	
Small Commercial Service (MSC-1)		DE400	DE400	
Small General T.O.D. Service (MST-1)	On Peak	<u>Single-Phase</u> DE470	<u>Three-Phase</u> DE480	
	Off Peak	DE471	DE481	
Commercial/Industrial General Service (MCI-1)		<u>Secondary</u>	<u>Primary</u>	
	Commercial	DE404	DE414	
	Industrial	GE404	GE414	
Industrial Rate Service (MI-1)		<u>Secondary</u>	<u>Primary</u>	
	Mandatory:	On Peak	GF404	GF414
		Off Peak	GF405	GF415
Optional - Small	On Peak	DE434	DE454	
	Off Peak	DE435	DE455	
Optional - Large	On Peak	GE434	GE454	
	Off Peak	GE435	GE455	

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President
Eau Claire, Wisconsin



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In Case No. U-10993

LARGE INDUSTRIAL SERVICE MI-1

Applicable: All areas served.

Availability-Mandatory: This rate schedule is mandatory for any retail customer having a 15-minute measured demand equal to or greater than 1000 kW for at least 4 of 12 months.* Customer remains on this rate schedule on a mandatory basis unless demand remains below 1000 kW for 12 consecutive months. (This mandatory provision does not apply to MPC-1 customers.)

Availability-Optional: This rate schedule is optional for any general service customer for service supplied through one meter where customer's demands are measured and where customer is not required to be on a time-of-day rate schedule. For new customers, Company may, at its own discretion, delay determination of the customer's demand until annual review of the first 12 months of service.

Kind of Service: Service shall be provided for alternating current, 60-Hertz, either single-phase or three-phase. The Customer shall provide a support for the Company to terminate the primary conductors and install other required equipment. Customer-owned substation equipment shall be operated and maintained by the customer. The support and substation equipment are subject to the Company's inspection and approval. The particular nature of the delivery voltage may be dependent upon location as described below:

1. Alternating current is generally available at the following nominal voltages. *The listed voltages are phase-to-ground for the wye connected and phase-to-phase for delta connected Company systems.*
 - a. for Secondary Voltage Service--three-wire single-phase and three-or four-wire three-phase at 208 volts or higher;
 - b. for Primary Voltage Service--three-phase at 2400 volts or higher, but less than 34,500 volts;
 - c. for Transmission Voltage Service--Transformed--i) three-phase at 2400 volts or higher, with service taken and metered at a substation which is fed at 69,000 volts or higher; or ii) three wire three-phase at 34,500 volts or higher, but less than 69,000 volts.
 - d. for Transmission Voltage Service-Untransformed--service at 69,000 volts or higher.
2. Service voltage available in any given case is dependent upon voltage and capacity of existing company lines in vicinity of Customer's premises.
3. *Transmission Transformed Service under category 1.c.i above is available only to Customers that take service through a step-down transformer at company's substation. Service under category 1.c.ii above is available only to Customers that take service at the company's specified interconnection point of service. All facilities on the Customer's side of the point of service (including but not limited to: switches, overcurrent protection, cables, wire and support structures) shall be the responsibility of the Customer and subject to engineering plan approval by the company.*

(Continued to Sheet No. 154.1)

Issued July 16, 2002 by

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M. L. Swenson
President
Eau Claire, Wisconsin



Issued Under Authority Of The
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dated July 10, 2002
in Case No. U-13401

LARGE INDUSTRIAL SERVICE MI-1

(Continued from Sheet No. 154)

Kind of Service: (continued)

4. Transmission Service is available at transmission voltage, subject to the terms and conditions contained in the company's General Rules and Regulations.

*Demand Meter Installation:

Company will install a demand meter and demands will be used for billing when:

1. Customer is served single-phase and has a service entrance capacity greater than 200 amperes; or
2. Customer is served three-phase at 120/208 or 120/240 volts and has a service entrance capacity greater than 200 amperes; or
3. Customer is served three-phase at 240/480 or 277/480 volts, and has a service entrance capacity greater than 100 amperes. (Customers with service entrance capacity of 100 amperes or less may, at their option, have a demand meter installed); or
4. Customer is served at a primary voltage level.

Minimum Monthly Charge: The minimum charge shall be the Customer Charge plus the Distribution Demand Charge, unless otherwise provided by contract.

Customer Switching Service Charge: A Customer may switch Electric Suppliers, subject to a switching fee as specified according to the Retail Access Service Tariff RAS-1, Section 2.4-Customer Enrollment and Switching.

Electric Supply Service: Customers may choose to have Electric Supply Service from an AES according to Customer Supply Service CSS-1 and Retail Access Service Tariff RAS-1. Customers that do not choose an AES shall be provided Electric Supply Service by the Company according to System Supply Service SSS-1.

Definition of Peak Periods: On-peak hours shall be from 9:00 a.m. to 9:00 p.m., Monday through Friday, inclusive (excluding holidays). The holidays designated shall be New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving and Christmas, on the day nationally designated to be celebrated as such. When a designated holiday occurs on a Saturday, the preceding Friday will be considered an off-peak day. When a designated holiday occurs on a Sunday, the following Monday will be considered an off-peak day.

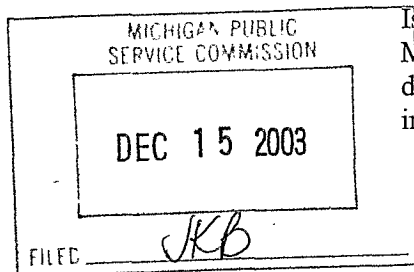
Off-peak hours are times not specified as on-peak hours.

(Continued to Sheet No. 155)

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M. L. Swenson
President
Eau Claire, Wisconsin



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dated April 17, 2003
in Case No. U-12133

LARGE INDUSTRIAL SERVICE MI-1
(Continued from Sheet No. 154.1)

Monthly Rate:

Customer Charge with Demand Meter:
(Normal Metering Configuration)

Mandatory Customers	\$ 150.00 per Customer per month
Optional Customers	\$ 45.00 per Customer per month

Customer Charge with Interval Demand Meter:
(CSS-1 Metering For Large Customers **)

Mandatory Customers	\$ 170.00 per Customer per month
Optional Customers	\$ 65.00 per Customer per month

Distribution Demand Charge:

Secondary	\$ 1.50 per kW/mo.
Primary	\$ 0.90 per kW/mo.
Transmission Transformed	\$ 0.40 per kW/mo.
Transmission Untransformed	\$ 0.00 per kW/mo.

Distribution Delivery Charge:

Secondary	1.20 ¢ per kWh.
Primary Voltage Discount	2.0 %
Transmission Transformed Voltage Discount	5.5 %
Transmission Untransformed Voltage Discount	6.0 %

Electric Supply Service Options:

for System Supply Service,	see Schedule SSS-1
for Customer Supply Service,	see Schedule CSS-1

System Power Factor Demand Charge:

Secondary	\$ 6.75 per kW/mo.
Primary	\$ 5.65 per kW/mo.
Transmission Transformed	\$ 5.20 per kW/mo.
Transmission Untransformed	\$ 5.17 per kW/mo.

**** Metering and Telephone Connection Requirements:** Interval Demand Metering is mandatory for Customers who choose an AES, who are served under schedule CSS-1 and who have a Maximum Demand in excess of 25 kW. Further terms and conditions for metering and telephone connections are specified in the Retail Access Service Tariff RAS-1, Section 2.5-Metering and Load Profiling.

(Continued on Sheet No. 156)

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President
Eau Claire, Wisconsin



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in Case No. U-13401

LARGE INDUSTRIAL SERVICE MI-1

(Continued from Sheet No. 155)

Measured Demand: The Company will install a demand meter to record the Measured Demand. The Measured Demand shall be the average kilowatts, rounded to the nearest whole kilowatt, required during the 15-minute period of maximum use. The customer shall take and use power in such manner that power factor shall be as near 100% as possible. In no event shall customer take power in such manner as to cause leading reactive kilovolt-amperes during the off-peak period.

The Average Lagging Power Factor is defined to be the quotient obtained by dividing the kilowatt-hours used during the month by the square root of the sum of the squares of the kilowatt-hours used and the lagging reactive kilovolt-ampere-hours supplied during the same period. Any leading kilovolt-ampere hours supplied during the same period will not be considered in determining the average power factor.

System Power Factor Adjustment: Should the Average Lagging Power Factor during the month be determined to be below 90%, the System Power Factor Adjustment shall be equal to the sum of minus one (-1) plus the ratio of 90% divided by The Average Lagging Power Factor. If the Average Lagging Power Factor during the month is 90 % or above, the System Power Factor adjustment is equal to zero (0). The System Power Factor Adjustment is applied when customer's measured demand is greater than 100 kW for 4 of 12 consecutive billing months. The System Power Factor Adjustment is not applied if the measured demand remains below 100 kW for 12 consecutive months.

Billing Demand Definitions: The Maximum Annual Demand shall be the Measured Demand occurring anytime during the most recent 12-month period, including the current month after adjusting for losses, if applicable. The On-Peak Demand used for monthly Supply Demand Charge billing purposes according to Schedule SSS-1, shall be the Measured Demand, which occurs during any on-peak period for the month after adjusting for losses, if applicable. The System Power Factor Demand is calculated as the product of the System Power Factor Adjustment multiplied by the Monthly On-Peak Demand.

Demand Related Charges: The Distribution Demand Charge is calculated as the product of the Maximum Annual Demand multiplied times the Distribution Demand Charge Rate. In a month for which a System Power Factor Adjustment is applied, the Customer is billed a System Power Factor Demand Charge. The System Power Factor Demand Charge is calculated as the product of the System Power Factor Demand in kW multiplied times the System Power Factor Demand Charge Rate.

Late Payment Charge: The due date shall be 21 days following the date of mailing. A late payment charge of 1%, not compounded, of the unpaid balance, net of taxes, shall be added to any bill, which is delinquent. A delinquent account is a bill, which remains unpaid at least 5 days after the due date of the bill.

Rate Code:

C13 MI-1 with SSS-1
C76 MI-1 with CSS-1

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M. L. Swenson
President
Eau Claire, Wisconsin



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in Case No. U-13401

PEAK CONTROLLED TIME-OF-DAY SERVICE MPC-1

Effective In: All territory served by the company.

Availability: Available to any retail customer, *who receives service according to Schedule SSS-1, and who agrees to control demand to a predetermined level whenever required by company.* General availability is restricted to customers with a minimum controlled demand of 50 kW. Service under this rate may be refused if the company believes the load to be controlled will not provide adequate load reduction when required.

Electric Supply Service: *Under this service schedule, the Company shall provide Electric Supply Service according to System Supply Service SSS-1.*

Kind of Service:

1. Alternating current at the following nominal voltages:
 - a. for Secondary Voltage Service--three-wire single-phase and three-or four-wire three-phase at 208 volts or higher;
 - b. for Primary Voltage Service--three-phase at 2400 volts or higher, but less than 34,500 volts;
 - c. for Transmission Voltage Service-Transformed--i) three-phase at 2400 volts or higher, with service taken and metered at substation which is fed at 69,000 volts or higher; or ii) three wire three-phase at 34,500 volts or higher, but less than 69,000 volts.
 - d. for Transmission Voltage Service-Untransformed--service at 69,000 volts or higher.
2. Service voltage available in any given case is dependent upon voltage and capacity of existing company lines in vicinity of customer's premises.
3. Transmission Transformed Service under category *1.c.i* above is available only to customers that take service through a step-down transformer at company's substation. Service under category *1.c.ii* above is available only to customers that take service at the company's specified interconnection point of service. All facilities on the customer's side of the point of service (including but not limited to: switches, overcurrent protection, cables, wire and support structures) shall be the responsibility of the customer and subject to engineering plan approval by the company.
4. Transmission Service is available at transmission voltage, subject to the terms and conditions contained in the company's General Rules and Regulations.

(Continued on Sheet No. 158)

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J. L. Larsen
President
Eau Claire, Wisconsin



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PEAK CONTROLLED TIME-OF-DAY SERVICE MPC-1

(Continued from Sheet No. 157)

Monthly Rate:

Customer Charge per Month with Interval Demand Meter:

Demands in Excess of 1000 kW for 4 of 12 Months	\$ 170.00
Demands of 1000 kW or Less for 9 of 12 Months	\$ 65.00

Distribution Demand Charge:

Charge per kW per Month

Secondary	\$ 1.50
Primary	\$ 0.90
Transmission Transformed	\$ 0.40
Transmission Untransformed	\$ 0.00

Distribution Energy Charge:

Charge per kWh per Month

Secondary	1.20 ¢ per kWh
Primary Voltage Discount	2.0 %
Transmission Transformed Voltage Discount	5.5 %
Transmission Untransformed Voltage Discount	6.0 %

Electric Supply Service:

for System Supply Service, see Schedule SSS-1

On-Peak System Power Factor Demand Charge:

Secondary	\$ 6.75 per kW/mo.
Primary	\$ 5.65 per kW/mo.
Transmission Transformed	\$ 5.20 per kW/mo.
Transmission Untransformed	\$ 5.17 per kW/mo.

Minimum Monthly Charge: The minimum charge shall be the Customer Charge plus the Distribution Demand Charge.

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Definition of Peak Periods: Unless specified to the contrary in writing by the Company to any customer using this schedule and refileing this rate sheet not later than November 1 of each year, on-peak hours shall be from 9:00 a.m. to 9:00 p.m. Monday through Friday, inclusive (excluding holidays), for the 12 months beginning with the first full billing period following December 15.

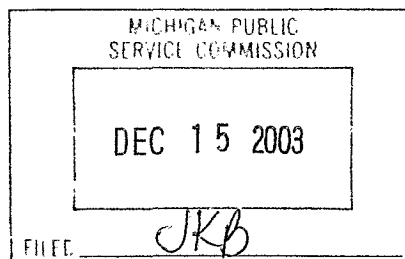
The holidays designated shall be New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving and Christmas, on the day nationally designated to be celebrated as such. When a designated holiday occurs on Saturday, the preceding Friday will be considered an off-peak day. When a designated holiday occurs on Sunday, the following Monday will be considered an off-peak day. Off-peak hours are times not specified as on-peak hours.

(Continued to Sheet No. 159)

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Effective: June 2, 2003

M. L. Swenson
President
Eau Claire, Wisconsin



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PEAK CONTROLLED TIME-OF-DAY SERVICE MPC-1

(Continued from Sheet No. 158)

Measured Demand: The Company will install a demand meter to record the Measured Demand. The Measured Demand shall be the average kilowatts, rounded to the nearest whole kilowatt, required during the 15-minute period of maximum use. The customer shall take and use power in such manner that power factor shall be as near 100% as possible. In no event shall customer take power in such manner as to cause leading reactive kilovolt-amperes during the off-peak period.

The On-Peak Average Power Factor is defined to be the quotient obtained by dividing the on-peak kilowatt-hours used during the month by the square root of the sum of the squares of the on-peak kilowatt-hours used and the lagging reactive kilovolt-ampere-hours supplied during the same on-peak. Any leading kilovolt-ampere hours supplied during the on-peak period will not be considered in determining the average power factor.

On-Peak System Power Factor Adjustment: Should the On-Peak Average Power Factor during the month be determined to be below 90%, the System Power Factor Adjustment shall be equal to the sum of minus one (-1) plus the ratio of 90% divided by the average on-peak power factor. If the Average On-Peak Power Factor during the month is 90 % or above, the System Power Factor adjustment is equal to zero (0).

Control Period: During a billing month, the Control Period is the time period during which a customer is requested to reduce Measured Demand to the Predetermined Demand level.

Billing Demand Definitions:

1. The Maximum Annual Demand shall be the Measured Demand occurring anytime during the most recent 12-month period, including the current month after adjusting for losses, if applicable.
2. The On-Peak Demand shall be the 15 minute Measured Demand within the current billing month, which occurs during any on-peak hour for the month.
3. The Predetermined Demand level shall be specified and agreed to by the customer and company. Customer's On-Peak Demand in excess of the Predetermined Demand during control periods shall be subject to penalty as described in Terms and Conditions, Item 4.

(Continued on Sheet No. 160)

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M. L. Swenson
President
Eau Claire, Wisconsin



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in Case No. U-13401

PEAK CONTROLLED TIME-OF-DAY SERVICE MPC-1

(Continued from Sheet No. 159)

Billing Demand Definitions (continued):

1. The Firm Supply Demand for the month, used for monthly Firm Supply Demand Charge billing purposes according to Schedule SSS-1, shall be:
 - a. In a month where no Control Period occurs, the Firm Supply Demand shall be the lesser of Predetermined Demand or On-Peak Demand.
 - b. In a month where one Control Period occurs, the Firm Supply Demand shall be the Measured Demand established during the Control Period.
 - c. In a month where more than one Control Period occurs and Measured Demand has not exceeded Predetermined Demand during any Control Period, the Firm Supply Demand shall be average of the Measured Demands established during the Control Periods.
 - d. In a month where one or more Control Periods occur and Measured Demand has exceeded Predetermined Demand level during any Control Period, the Firm Supply Demand shall be the greatest Measured Demand established during any Control Period.
2. The Controlled Supply Demand used for monthly Controlled Supply Demand Charge billing purposes according to Schedule SSS-1, shall be the difference between customer's On-Peak Demand and Firm Supply Demand during the billing month, but never less than zero.
3. The On-Peak System Power Factor Demand for billing purposes is calculated as the product of the On-Peak System Power Factor Adjustment multiplied by the On-Peak Demand.

Demand Related Charges: The Distribution Demand Charge is calculated as the product of the Maximum Annual Demand multiplied times the Distribution Demand Charge Rate. In a month for which a System Power Factor Adjustment is applied, the Customer is billed a System Power Factor Demand Charge. The On-Peak System Power Factor Demand Charge is calculated as the product of the On-Peak System Power Factor Demand in kW multiplied times the On-peak System Power Factor Demand Charge Rate.

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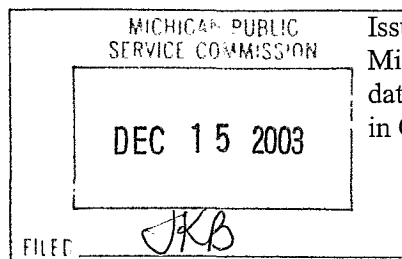
Late Payment Charge: The due date shall be 21 days following the date of mailing. A late payment charge of 1%, not compounded, of the unpaid balance, net of taxes, shall be added to any bill which is delinquent. A delinquent account is a bill which remains unpaid at least 5 days after the due date of the bill.

(Continued on Sheet No. 161)

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President
Eau Claire, Wisconsin



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PEAK CONTROLLED TIME-OF-DAY SERVICE MPC-1

(Continued from Sheet No. 160)

Terms and Conditions of Service:

1. *Customer has the option of controlling his own load to predetermined demand level or allowing company to control load to predetermined demand level. If customer chooses to allow company to control load, customer must:*
 - a. *Provide a load-break switch or circuit breaker equipped with an electric trip and close circuit allowing for remote operation of customer's switch or circuit breaker by company, and wire the switch or circuit breaker into a connection point designated by company. The electric trip and close circuit must have electrical requirements compatible with remote control equipment provided by company;*
 - b. *Install the remote control equipment provided by company;*
 - c. *Provide a continuous 120 volt AC power source at the connection point for operation of the company remote control equipment;*
 - d. *Allow company to inspect and approve the remote control installation and equipment provided by customer;*
 - e. *Allow company to revise type of control system.*
If customer chooses to control his own load, customer is exempt from provision a, but is responsible for provisions b, c, d and e.
2. *Company will endeavor to give customer one hour's notice of an impending control period. However, service may be controlled without advance notice should company deem such action necessary.*
3. Service interruption under this rate schedule shall be at the discretion of company. The frequency of interruption will normally occur between 6 and 12 days in a calendar year, occurring at such time when company expects to incur a new system peak, or for area protection, and at such other times when, in the company's opinion, the reliability of the system is endangered. The duration of interruption will vary from 2 hours to about 12 hours. Total hours of interruption will not exceed 80 hours per calendar year, excluding interruptions due to physical causes other than intentional curtailment by the company.
4. If, in any month, customer fails to control load to predetermined demand level when requested by company, an additional charge of \$13.80 per kW per occurrence shall be applied to the amount by which customer's maximum adjusted demand during any control period exceeds predetermined demand. If customer incurs three failures to control load to predetermined demand level when requested by company, the company reserves the right to renegotiate the predetermined demand level or remove customer from the peak controlled time-of-day service. In a case where customer is removed from the peak controlled time-of-day service, customer will be subject to a cancellation charge specified in Terms and Conditions, Item 6.

(Continued on Sheet No. 162)

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M. L. Swenson
President
Eau Claire, Wisconsin



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PEAK CONTROLLED TIME-OF-DAY SERVICE MPC-1

(Continued from Sheet No. 161)

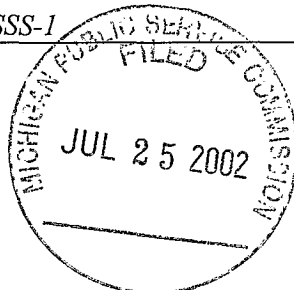
5. *Customer shall execute an Electric Service Agreement with company which will include:*
- A minimum rolling five-year term of service which includes a trial period subject to Terms and Conditions, Item 7.*
 - The predetermined demand level, which may be revised subject to approval by company;*
 - Customer's choice of whether customer or company is to control load.*
6. **Cancellation Charge** *If the customer terminates agreement during its term, or if agreement is terminated as a result of any default of customer, customer will pay to company the following cancellation charge:*
- Eighteen times the demand charge differential plus three times the demand charge interruption credit, multiplied by the customer's average monthly controlled demand for the previous 12 months. If termination occurs less than 12 months after commencement of this agreement and customer is not eligible for trial period, customer's average monthly controlled demand will be computed based on the number of months of billing data available.*
7. **Trial Period:** *The cancellation charge described above will not apply if customer terminates agreement by notifying company in writing during the first twelve months of service. If customer terminates agreement during this time, customer will pay to company the sum of the following:*
- the total billed controlled demand during the term of agreement times the difference between the firm and controlled demand rates in effect during the term of agreement;*
 - all interruption credits received during the term of agreement; and*
 - all company installation and removal costs for special equipment and facilities provided by company for peak-controlled time-of-day service.*
- A trial period for peak-controlled time-of-day service will not be available to any customer who has previously received such service.*
8. *Company shall not be liable for any loss or damage caused by or resulting from any interruption of service.*
9. *Company will determine, at a service location designated by company, the number of services supplied. Customers requesting special facilities will be charged the additional costs incurred for such facilities.*
10. *The rate contemplates that off-peak usage will utilize existing facilities with no additional major expenditures. Any additional expenditures required for off-peak service must be justified by the anticipated off-peak revenues, or by payments by customer to company.*

Rate Code

C20 MPC-1 with SSS-1

Issued July 16, 2002 by

M. L. Swenson
President
Eau Claire, Wisconsin



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dated July 10, 2002
in Case No. U-13401

EXPERIMENTAL PEAK CONTROLLED SYSTEM RIDER

Availability: Available to Peak-Controlled Time-of-Day customers with non-adjacent multiple accounts that operate together in a linear series to provide a single process activity.

Rate: The rates and provisions of Peak-Controlled Time-of-Day Service will apply to individual accounts, except the coincident peak demand of all accounts will be used: 1) To determine On-Peak Period Demand, Firm Billing Demand and Controlled Billing Demand, and 2) As the basis for specifying the Predetermined Demand Level.

Terms and Conditions of Service:

1. Customer must be able to automatically transfer load between individual accounts served under this Rider.
2. Average controllable demand per account must be 200 kW or greater.
3. Monthly coincident peak billing demands will not be less than 75 percent of comparable non-coincident demands.

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Issued: August 25, 1995
By: J.A. Noer
President
Eau Claire, Wisconsin



Effective for Service Rendered on
and after August 1, 1995
Issued Under Authority of the Michigan
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In Case No. U-10877

PEAK CONTROLLED GENERAL SERVICE MPC-2

Effective In: All territory served by the Company.

Availability: Available to any retail customer who qualifies for service on General Service rate schedule MCI-1, who receives service according to Schedule SSS-1, and who agrees to control demand to a predetermined level whenever required by Company. General availability is restricted to customers with a minimum controlled demand of 50 kW. Service under this rate may be refused if the Company believes the load to be controlled will not provide adequate load reduction when required.

Kind of Service: Alternating current at the following nominal voltages: (a) for Secondary Voltage Service--three-wire single-phase and three-or four-wire three-phase at 208 volts or higher; (b) for Primary Voltage Service--three-phase at 2400 volts or higher. Service voltage available in any given case is dependent upon voltage and capacity of existing Company lines in vicinity of customer's premises.

Electric Supply Service: Under this service schedule, the Company shall provide Electric Supply Service according to System Supply Service SSS-1.

Monthly Rate:

Customer Charge with Interval Demand Meter: \$ 40.00 per Customer per month

<u>Distribution Demand Charges:</u>	<u>Charge per kW per Month</u>
- Secondary	\$ 2.17
Primary	\$ 2.07

<u>Distribution Energy Charge:</u> - Secondary Voltage	1.20 ¢ per kWh
Energy Charge Discount - Primary Voltage	2.0 %

Electric Supply Service:
for System Supply Service, see Schedule SSS-1

<u>System Power Factor Demand Charge:</u>	
Secondary	\$ 7.45 per kW/mo.
Primary	\$ 7.12 per kW/mo.

Measured Demand: The Company will install a demand meter to record the Measured Demand. The Measured Demand shall be the average kilowatts, rounded to the nearest whole kilowatt, required during the 15-minute period of maximum use.

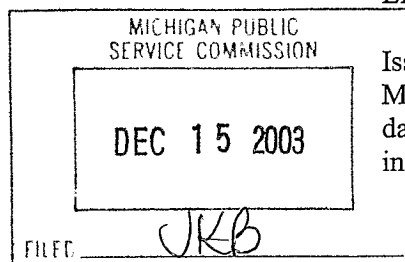
Minimum Net Monthly Charge: The Monthly Net Minimum Charge shall be the Customer Charge plus the Distribution Demand Charge, unless otherwise provided by contract.

(continued on Sheet 162.51)

Issued December 1, 2003 by

Effective: June 2, 2003

M. L. Swenson
President
Eau Claire, Wisconsin



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Michigan Public Service Commission
dated April 17, 2003
in Case No. U-12133

PEAK CONTROLLED GENERAL SERVICE MPC-2

(continued from Sheet 162.5)

The *Average Power Factor* is defined to be the quotient obtained by dividing the kilowatt-hours used during the month by the square root of the sum of the squares of the kilowatt-hours used and the lagging reactive kilovolt-ampere-hours supplied during the same period. Any leading kilovolt-ampere-hours supplied during the period will not be considered in determining the *Average Power Factor*.

System Power Factor Adjustment: The customer shall at all times take and use power in such manner that the *Average Power Factor* shall be as near 100% as possible. Should the *Average Power Factor* during the month shall be determined to be below 90%, the *System Power Factor Adjustment* shall be equal to the sum of minus one (-1) plus the ratio of 90% divided by the *Average Power Factor*. If the *Average Power Factor* during the month is 90 % or above, the *System Power Factor adjustment* is equal to zero (0).

Control Period: During a billing month, control periods are the *time* periods during which a customer is requested to reduce *Measured Demand* to the *Predetermined Demand* level.

Billing Demand Definitions:

1. The *Maximum Monthly Demand* shall be the *Measured Demand* occurring anytime during the current month after adjusting for losses, if applicable.
2. The *Predetermined Demand* level shall be specified and agreed to by the customer and company. Customer's *Measured Demand* in excess of the *Predetermined Demand* during control periods shall be subject to penalty as described in *Terms and Conditions, Item 4*.
3. The *Firm Supply Demand* for the month, used for monthly *Firm Supply Demand Charge* billing purposes according to *Schedule SSS-1*, shall be:
 - a. In a month where no *Control Period* occurs, the *Firm Supply Demand* shall be the lesser of *Predetermined Demand* or *Maximum Monthly Demand*.
 - b. In a month where one *Control Period* occurs, the *Firm Supply Demand* shall be the *Measured Demand* established during the *Control Period*.
 - c. In a month where more than one *Control Period* occurs and *Measured Demand* has not exceeded *Predetermined Demand* during any *Control Period*, the *Firm Supply Demand* shall be average of the *Measured Demands* established during the *Control Periods*.
 - d. In a month where one or more *Control Periods* occur and *Measured Demand* has exceeded *Predetermined Demand* level during any *Control Period*, the *Firm Supply Demand* shall be the greatest *Measured Demand* established during any *Control Period*.
4. The *Controlled Supply Demand* used for monthly *Controlled Supply Demand Charge* billing purposes according to *Schedule SSS-1*, shall be the difference between customer's *Measured Demand* and *Firm Supply Demand* during the billing month, but never less than zero.

(continued on Sheet 162.52)

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Eau Claire, Wisconsin



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PEAK CONTROLLED GENERAL SERVICE MPC-2

(continued from Sheet 162.51)

Billing Demand Definitions (continued):

1. The System Power Factor Demand for billing purposes is calculated as the product of the System Power Factor Adjustment multiplied by the Measured Demand.

Demand Related Charges: The Distribution Demand Charge is calculated as the product of the Maximum Monthly Demand multiplied times the Distribution Demand Charge Rate. In a month for which a System Power Factor Adjustment is applied, the Customer is billed a System Power Factor Demand Charge. The System Power Factor Demand Charge is calculated as the product of the System Power Factor Demand in kW multiplied times the System Power Factor Demand Charge Rate. The System Power Factor Charge is applied only when customers' Measured Demand is greater than 100 kW for 4 of 12 months. The System Power Factor Charge is set to zero (0) if Measured Demand remains below 100 kW for 12 consecutive months.

D
D

Late Payment Charge: The due date shall be 21 days following the date of mailing. A late payment charge of 1%, not compounded, of the unpaid balance, net of taxes, shall be added to any bill which is delinquent. A delinquent account is a bill which remains unpaid at least 5 days after the due date of the bill.

Terms and Conditions of Service

1. Customer shall control own load to predetermined demand level.

Customer must:

- a. Provide to Company a list of names of people designated as responsible for curtailment action of customer's loads and who will take calls from Company on a 24-hour basis.
- b. Install remote control equipment provided by Company, if requested by Company.
- c. Provide a continuous 120 volt AC power source at the connection point for operation of the Company remote control equipment;
- d. Allow Company to inspect and approve the remote control installation and equipment provided by customer;
- e. Allow Company to revise type of control system.
- f. Provide telephone jack at point of metering.
- g. Allow Company use of existing telephone facilities at no cost to the Company.

Company must:

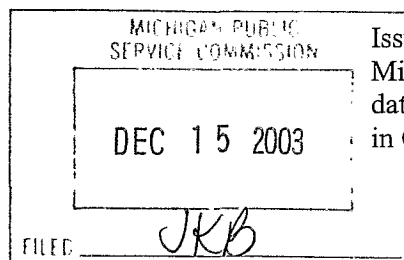
- a. Provide to customer an authorized list of names of those employees responsible for notifying customers of the curtailment periods.
- b. Maintain an official log of all calls notifying customers of the curtailment periods. The information will include but not be limited to the date and time of the call, the duration of the curtailment period, and the names of the people contacted.

(continued on Sheet 162.53)

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Eau Claire, Wisconsin



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PEAK CONTROLLED GENERAL SERVICE MPC-2

(continued from Sheet 162.52)

Terms and Conditions of Service: (continued)

2. Company will give customer one hour's notice of an impending control period.
3. Service interruption under this rate schedule shall be at the discretion of Company. The frequency of interruption will normally occur between 6 and 12 days in a calendar year, occurring at such times when Company expects to incur a new system peak, or for area protection, and at such times when, in the Company's opinion, the reliability of the system is endangered. The duration of interruption will vary from 2 hours to about 12 hours. Total hours of interruption will not exceed 150 hours per calendar year, excluding interruptions due to physical causes other than intentional curtailment by the Company.
4. If, in any month, customer fails to control load to predetermined demand level when requested by Company, an additional charge of \$13.80 per kW per occurrence shall be applied to the amount by which customer's maximum adjusted demand during any control period exceeds predetermined firm demand. If customer incurs three failures to control load to predetermined firm demand level when requested by Company, the Company reserves the right to renegotiate the predetermined firm demand level or remove customer from the peak controlled service. Further, customer must maintain a minimum of 50 kilowatts of controllable load, and controllable load must remain such as to provide adequate load reduction when required, or risk removal from the rate. In a case where customer is removed from the peak controlled service, customer will be subject to a cancellation charge specified in Terms and Conditions, Item 6.
5. Customer shall execute an Electric Service Agreement with Company which will include:
 - a. A minimum rolling five-year term of service which includes a trial period subject to Terms and Conditions, Item 7.
 - b. The predetermined firm demand level, which may be revised subject to approval by Company. Lowering the predetermined firm demand level requires a letter from customer. The level may be increased only to the extent customer increases total adjusted demand.
 - c. Terms and conditions and other provisions.
6. Cancellation Charge If the customer terminates agreement during its term, or if agreement is terminated as a result of any default of customer, customer will pay to Company the following cancellation charge:

Eighteen times the demand charge differential plus three times the demand charge interruption credit, multiplied by the customer's average monthly controlled demand for the previous 12 months. If termination occurs less than 12 months after commencement of this agreement and customer is not eligible for trial period, customer's average monthly controlled demand will be computed based on the number of months of billing data available.

(continued on Sheet 162.54)

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M. L. Swenson
President
Eau Claire, Wisconsin



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Michigan Public Service Commission
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PEAK CONTROLLED GENERAL SERVICE MPC-2

(continued from Sheet 162.53)

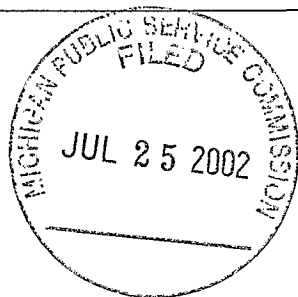
7. Trial Period The cancellation charge described above will not apply if customer terminates agreement by notifying Company in writing during the first twelve months of service. If customer terminates agreement during this time, customer will pay to Company the sum of the following:
- (a) the total billed controlled demand during the term of agreement times the difference between the firm and controlled demand rates in effect during the term of agreement; and
 - (b) all interruption credits received during the term of agreement; and
 - (c) all Company installation removal costs for special equipment and facilities provided by Company for peak-controlled service. If customer has underestimated his predetermined firm demand level and requires an increase in the level to accommodate firm load, customer will repay to Company that portion of past credits received which represent the difference between the initial and the newly requested level--except, PDL may be increased without repayment of past credits to extent customer adds load. (See Item 5b.) A trial period for peak-controlled service will not be available to any customer who has previously received such service.
8. Company shall not be liable for any loss or damage caused by or resulting from any interruption of service.
9. Company will determine, at a service location designated by Company, the number of services supplied. Customers requesting special facilities will be charged the additional costs incurred for such facilities.

Rate Code

C21 MPC-2 with SSS-1

Issued July 16, 2002 by

M. L. Swenson
President
Eau Claire, Wisconsin



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ATHLETIC FIELD LIGHTING RIDER MA-1

Applicable to: All areas served.

Availability: Schedule MSC-1 (Small Commercial) is available for athletic field lighting when a responsible municipal body or organization sponsors the lighting installation and/or guarantees payment of bill. Service will be furnished under the following conditions providing existing Company generating equipment, transmission lines, and transmission substations are adequate. Execution of a contract is required.

Delivery Voltage: Nominal voltages are in electrical multiples of a 120/240 volt secondary base and 2400 delta or 2400/4160Y primary base, depending upon voltage available at a particular site.

1. Minimum charge shall be the fixed charge of:
Single Phase \$ 7.50 per month for 12 months of each year.
Three Phase \$12.50 per month for 12 months of each year. R
2. Except for the fixed charge in (1), no kilowatt charges shall apply.
3. If capacity required is such that service can be taken from secondary distribution lines, metering will be at secondary voltage.
4. If capacity required is such that a special transformer station is required, Company will provide such transformers without cost to the customer and will meter energy at primary voltage for billing purposes.
5. When requested by the customer, changes in the location of any poles, transformers, or lights will be made by the Company at the expense of the customer.

Standard Rules and Regulations: Standard extension rules and other regulations for rural or urban service, as the case may be, except as modified above shall apply.

Rate Code

This schedule is a rider to Small Commercial Service (MSC-1).

ISSUED: January 4, 2000

BY: J. L. LARSEN
PRESIDENT
EAU CLAIRE, WISCONSIN



EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER January 7, 2000

ISSUED UNDER AUTHORITY OF THE MICHIGAN
PUBLIC SER. COMM. DATED January 6, 1999
IN CASE NO. U-11777

STREET LIGHTING MSL-1

Applicable: All areas served.

Availability: This rate is available when the Company furnishes under this schedule all of the electric energy requirements for lighting the public thoroughfares and parks of the municipality under a written contract for at least three lamps and for a term of not less than five years. Replacement of all mercury vapor units will be restricted to high pressure sodium vapor units.

Net Rate per Unit per Month for Company-Owned Overhead System

<u>Multiple</u>		<u>Rate</u>	
<u>Mercury Vapor (1):</u>			
250 Watt	12,100 Lumens	\$10.80	R
400 Watt	22,500 Lumens	14.45	
<u>Sodium Vapor:</u>			
70 Watt	5,800 Lumens	\$ 8.20	
100 Watt	9,500 Lumens	8.95	
150 Watt	16,000 Lumens	9.85	
250 Watt	27,500 Lumens	11.85	
400 Watt	50,000 Lumens	14.90	R

Customer Owned-Energy & Maintenance:

<u>Mercury Vapor (1):</u>			
250 Watt	12,100 Lumens	\$ 5.50	R
400 Watt	22,500 Lumens	7.70	
<u>Sodium Vapor:</u>			
70 Watt	5,800 Lumens	\$ 3.25	
100 Watt	9,500 Lumens	3.85	
150 Watt	16,000 Lumens	4.50	
250 Watt	27,500 Lumens	6.45	
400 Watt	50,000 Lumens	8.60	R

(1) Closed to new customers after January 27, 1987

(Continued)

ISSUED: January 4, 2000

BY: J. L. LARSEN
PRESIDENT
EAU CLAIRE, WISCONSIN



EFFECTIVE FOR SERVICE RENDERED ON
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ISSUED UNDER AUTHORITY OF THE MICHIGAN
PUBLIC SER. COMM. DATED January 6, 1999
IN CASE NO. U-11777

STREET LIGHTING MSL-1
(Continued from Sheet No. 164)

D

Late Payment Charge The due date shall be 21 days following the date of mailing. A late payment charge of 1%, not compounded, of the unpaid balance, net of taxes, shall be added to any bill which is delinquent. A delinquent account is a bill which remains unpaid at least 5 days after the due date of the bill.

Power Supply Cost Recovery Factor

This rate is subject to the Company's Power Supply Cost Recovery Factor as set forth on Sheet No. 182.

Rate Code

R

- C30 Company Owned
- C33 Customer Owned

R

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ISSUED January 19, 1999

EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER January 7, 1999

BY: J. L. LARSEN
PRESIDENT
EAU CLAIRE, WISCONSIN

ISSUED UNDER AUTHORITY OF THE MICHIGAN
PUBLIC SER. COMM. DATED January 6, 1999
IN CASE NO. U-11777

OPTIONAL OFF-PEAK SERVICE MOP-1

Applicable: All areas served.

Availability: Available on an optional basis to any Residential or Commercial General Service customer receiving service according to Schedule SSS-1, for single- or three-phase service for loads which will be metered separately and will be controlled by the customer and energized only for the hours from 9:00 p.m. to 7:00 a.m. daily.

Electric Supply Service: Under this service schedule, the Company shall provide Electric Supply Service according to System Supply Service SSS-1.

Monthly Rate:

Customer Charge:

Single Phase	\$3.00 per month
Three Phase	\$8.00 per month

Energy Charge: - Secondary Voltage 1.20 ¢ per kWh

Energy Charge Discount: - Primary Voltage 2.0 %

Electric Supply Service: for System Supply Service, see Schedule SSS-1

Minimum Net Monthly Charge: The Customer Charge unless otherwise provided by contract.

Late Payment Charge: The due date shall be 21 days following the date of mailing. A late payment charge of 1%, not compounded, of the unpaid balance, net of taxes, shall be added to any bill which is delinquent. A delinquent account is a bill which remains unpaid at least 5 days after the due date of the bill.

Terms and Conditions of Service:

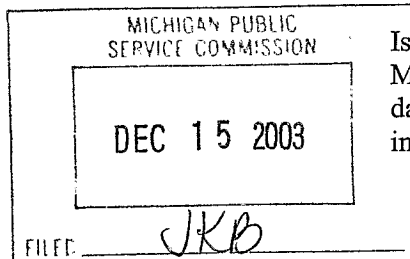
1. Optional Off-Peak Service shall be separately served and metered and shall at no time be connected to facilities serving customer's other loads.
2. Company shall not be liable for any loss or damage caused by or resulting from any interruption of service.
3. Customer selecting Optional Off-Peak Service must normally remain on this service for a minimum term of one year.
4. The rate contemplates that this service will utilize existing facilities with no additional major expenditures. Any additional expenditures required for off-peak service must be justified by the anticipated off-peak revenues or by payments by customer to Company.
5. A Non-Authorized Energy Use Charge shall be applied to outside of the energized time period specified in this tariff. If this energy use occurs during three or more billing months, the Company reserves the right to remove the customer from Optional Off-Peak Service.

(Continued on Sheet No. 167)

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M. L. Swenson
President
Eau Claire, Wisconsin



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in Case No. U-12133

OPTIONAL OFF-PEAK SERVICE MOP-1

(Continued from Sheet No. 166)

Rate Codes

C31 *MOP-1 with SSS-1*

Issued July 16, 2002 by

M. L. Swenson
President
Eau Claire, Wisconsin



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dated July 10, 2002
in Case No. U-13401

MUNICIPAL PUMPING SERVICE MPA-1

Applicable: All areas served.

Availability: This schedule is available for municipal pumping purposes including incidental heating and lighting of buildings and premises in connection with the municipality's water system or sewage system. *For Customers who receive service according to Schedule SSS-1, execution of a contract is required for an initial term of not less than five years with a clause providing for automatic renewal for successive terms of one year each.*

Type of Service:

Service may be single- or three-phase, 60 hertz, alternating current at transmission, primary, or secondary voltage. Transmission or primary service is provided only at the option of the Company and will be made at the voltage available in the locality being served.

Electric Supply Service: *Customers may choose to have Electric Supply Service from an AES according to Customer Supply Service CSS-1 and Retail Access Service Tariff RAS-1. Customers that do not choose an AES shall be provided Electric Supply Service by the Company according to System Supply Service SSS-1.*

Monthly Rate:

Customer Charge with Energy-Only Meter:

(Normal Metering Configuration)

Single Phase	\$ 7.50 per month per point of delivery
Three Phase	\$ 12.50 per month per point of delivery

Customer Charge with Interval Demand Meter:

*(CSS-1 Metering For Large Customers *)*

Single Phase	\$ 13.25 per month per point of delivery
Three Phase	\$ 18.25 per month per point of delivery

Distribution Delivery Charge:

Secondary Voltage	2.69 ¢ per kWh
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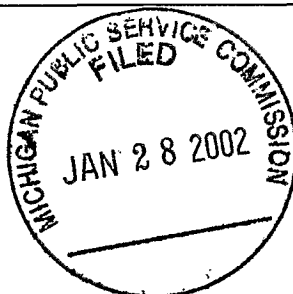
Electric Supply Service Options:

for System Supply Service,	see Schedule SSS-1
for Customer Supply Service,	see Schedule CSS-1

(Continued on Sheet no. 169)

Issued December 28, 2001 by

J. L. Larsen
President
Eau Claire, Wisconsin



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in Case No. U-12651

MUNICIPAL PUMPING SERVICE MPA-1

(continued from Sheet No. 168)

Minimum Net Monthly Charge: The Customer Charge unless otherwise provided by contract.

Cumulative Billing:

1. All electric energy required for sewage treatment or pumping purposes for a given community may be cumulated for billing purposes.
2. All electric energy required for water pumping purposes for a given community may be cumulated for billing purposes.

Cumulative billing will be permitted individually for each of the two conditions above, when all standard regulations are complied with and filed rental charges are paid by the community for all extra meters over and above the one meter ordinarily provided by the Company for service at one point of delivery.

* Metering and Telephone Connection Requirements: Interval Demand Metering is mandatory for Customers who choose an AES, who are served under schedule CSS-1 and who have a Maximum Demand in excess of 25 kW. Further terms and conditions for metering and telephone connections are specified in the Retail Access Service Tariff RAS-1, Section 2.5-Metering and Load Profiling.

Customer Switching Service Charge: A Customer may switch Electric Suppliers, subject to a switching fee as specified according to the Retail Access Service Tariff RAS-1, Section 2.4-Customer Enrollment and Switching.

Late Payment Charge The due date shall be 21 days following the date of mailing. A late payment charge of 1%, not compounded, of the unpaid balance, net of taxes, shall be added to any bill which is delinquent. A delinquent account is a bill which remains unpaid at least 5 days after the due date of the bill.

Rate Code

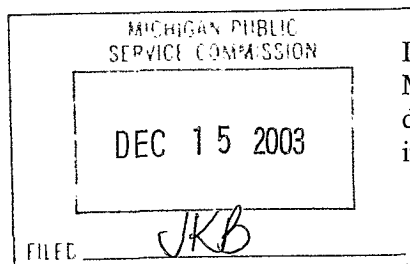
C32 MPA-1 with SSS-1
C77 MPA-1 with CSS-1

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M. L. Swenson
President
Eau Claire, Wisconsin

Effective: June 2, 2003

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in Case No. U-12133



PARALLEL GENERATION - NET ENERGY BILLING SERVICE

Effective In All territories served by the Company.

Availability Available to any retail electric customer with generation of 20 kW or less for purpose of operating generation interconnected with Company's system, where customer's delivery offsets retail electric consumption at the same site. If a customer has more than one electric generator, the generators' ratings shall be summed and the sum may not exceed 20 kW.

Net Energy Billing The retail electric customer may offset electricity usage at the same site each month on a net energy basis. Customer will receive credit for energy delivered each month in excess of the amount used that month. The credit will be given at the prevailing retail rate and applied to the customer's account for retail service at the same site. For non-time-of-day customers, the existing meter used for retail electric service will normally serve to determine net energy usage and no additional charges are required. For time-of-day customers, a separate meter is required for net energy billing and customer must compensate Company for a second meter over a two-year period.

Rate

Customers with Non-Time-of-Day service

Customer charge per month	No monthly charge
Energy credit per kWh	At existing retail rate

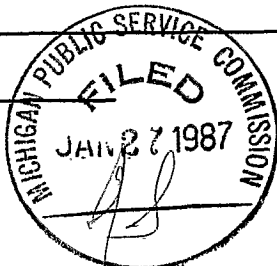
Customers with Time-of-Day service

Customer charge per month	\$1.00/mo. and \$585 plus financing charges over two years
Energy credit per kWh	At existing retail rate

Terms and Conditions of Service See Sheet Number 172.

ISSUED January 1, 1987

BY: E. M. THEISEN
PRESIDENT
EAU CLAIRE, WISCONSIN



EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER January 1, 1987

ISSUED UNDER AUTHORITY OF THE MICHIGAN
PUBLIC SER. COMM. DATED November 4, 1986

IN CASE NO. U-8493

PARALLEL GENERATION - ENERGY PURCHASE SERVICE -MPG-1

Effective In All territories served by the Company.

Availability Available to any retail electric customer with generation of more than 20 kW for purpose of operating generation interconnected with Company's system, where customer's delivery is purchased by Company.

Rate Customer shall receive monthly payment for all electricity delivered to Company and shall be billed by Company for metering and associated billing expenses as presented below.

Customer Charge per month

Generators rated from 21 kW to 100 kW
delivering at less than 200 amps. \$ 9.00/mo.

Generators rated from 21 kW to 100 kW
delivering more than 200 amps. \$12.00/mo.

Generators rated at more than 100 kW \$19.50/mo.

Energy Payment per kWh

	<u>On-Peak</u>	<u>Off-Peak</u>
Delivery at transmission voltage level	4.18¢	1.90¢
Delivery at primary voltage level	4.36¢	1.99¢
Delivery at secondary voltage level	4.32¢	1.99¢

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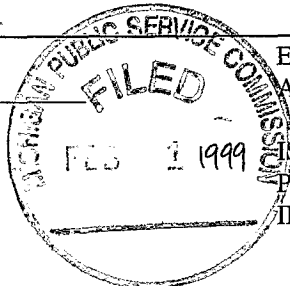
Negotiated Rate Customer may negotiate with Company for a contracted rate or receive compensation for delivered electricity according to the standard rate. The negotiated contract and rate will be subject to approval by the Michigan Public Service Commission.

Definition of Peak Periods Unless specified to the contrary in writing by the Company to any customers using this schedule and refile this rate sheet not later than November 1 of each year, on-peak hours shall be from 9:00 a.m. to 9:00 p.m. Monday through Friday, inclusive (excluding holidays), for the 12 months beginning with the first full billing period following December 15. The holidays designated shall be New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving and Christmas, on the day nationally designated to be celebrated as such. When a designated holiday occurs on Saturday, the preceding Friday will be considered an off-peak day. When a designated holiday occurs on a Sunday, the following Monday will be considered an off-peak day. Off-peak hours are times not specified as on-peak hours.

ISSUED January 19, 1999

EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER January 7, 1999

BY: J. L. LARSEN
PRESIDENT
EAU CLAIRE, WISCONSIN



ISSUED UNDER AUTHORITY OF THE MICHIGAN
PUBLIC SER. COMM. DATED January 6, 1999
IN CASE NO. U-11777

PARALLEL GENERATION - TERMS AND CONDITIONS OF SERVICE

Terms and Conditions of Service

1. The Company shall install appropriate metering facilities to record all flows of energy necessary to bill in accordance with the charges and credits of this rate schedule.
2. The customer shall furnish, install and wire the necessary service entrance equipment, meter sockets, meter enclosure cabinets, or meter connection cabinets that may be required by the Company to properly meter usage and sales to the Company.
3. Company shall install the necessary facilities and equipment to accommodate customer's generation output associated with this service. At the customer's option, either the Company or customer will bear the installation cost. However, if installation is made at Company's expense, customer must reimburse the Company the full installed cost, including any financing costs, over a period not to exceed two years.
4. To interconnect, customer's generation must be installed, connected and operated in compliance with existing codes and Company's General Rules for Parallel Generation.
5. Customer must maintain and provide certification either of financial responsibility or a minimum of \$100,000 liability insurance covering the operation of customer's generation equipment and its output.

Rate Code

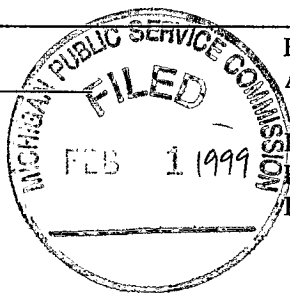
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ISSUED January 19, 1999

EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER January 7, 1999

BY: J. L. LARSEN
PRESIDENT
EAU CLAIRE, WISCONSIN



ISSUED UNDER AUTHORITY OF THE MICHIGAN
PUBLIC SER. COMM. DATED January 6, 1999
IN CASE NO. U-11777

PARALLEL GENERATION SERVICE - GENERAL RULES

General Rules for Parallel Generation

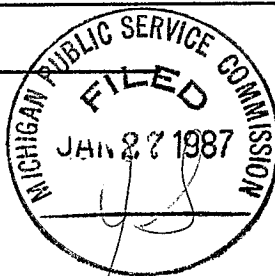
The following rules shall apply to all customer-owned generation facilities that are interconnected with the Company's power supply system. The extent to which a customer's facilities may be required to comply with these rules may vary from installation to installation due to the type, location, and size of the generating facility to be installed.

1. Interconnection of a customer-owned electric generating installation with the Company's power system shall not be permitted until proper application has been made to and approval received from the Company. The Company may withhold approval only for good reason, such as failure to comply with applicable utility engineering and design limitations, or governmental codes, rules or laws. The Company's approval of the proposed or installed customer-owned generation system does not relieve the customer of the obligation to obtain all required permits, building and zoning variations, and applicable inspections.
2. The Company shall require the customer to execute a contract which will specify reasonable technical connection and operating requirements for the customer's generating facility. Interconnection shall not be permitted until such a contract has been executed and the Company has inspected the installation. The customer shall notify the Company at least two months prior to commencement of operation of its generating facility.
3. The Company shall notify the appropriate telephone utility and cable television firm when a customer-owned electric generating facility is to be interconnected with the Company's system.
4. The Company may require a separate distribution transformer(s) for a customer owning an electric generating facility. The customer shall be responsible for all costs associated with providing the separate transformer(s). Ordinarily, a customer utilizing an induction-type generator with a capacity of 5 kW or less, or other generating units of 10 kW or less that utilize line-commutated inverters, will not be required to satisfy this requirement.

(Continued on Sheet No. 174)

ISSUED January 1, 1987

BY: E. M. THEISEN
PRESIDENT
EAU CLAIRE, WISCONSIN

EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER January 1, 1987ISSUED UNDER AUTHORITY OF THE MICHIGAN
PUBLIC SER. COMM. DATED November 4, 1986IN CASE NO. U-8493

PARALLEL GENERATION SERVICE - GENERAL RULES
(Continued from Sheet No. 173)

5. Where necessary, to protect against a customer-owned generating facility causing problems with service to other customers, the Company shall limit the capacity and operating characteristics of single-phase generators in a manner consistent with its existing limitation for single-phase motors. Ordinarily, single-phase generators should be limited to a capacity of 10 kW or less.
6. The customer-owned electric generation facility shall have a protective system for automatically isolating the generator from the Company's system under the following conditions:
 - a. de-energized Company system
 - b. sustained line faults on Company system
 - c. faults on customer's system

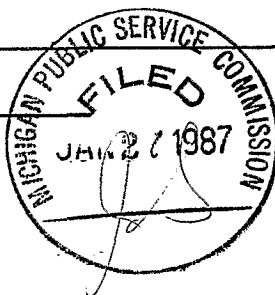
For synchronous and induction generators, such a protective system shall consist of proper over-current protection, fuse or circuit breaker, plus a voltage or frequency controlled contactor which would automatically disconnect the unit whenever its output voltage or frequency drifted outside predetermined limits. Other suitable protective systems against abnormal voltages or frequencies may be accepted by the Company. Schematic diagrams and a listing of the equipment intended to provide this protection or isolation may be requested by the Company and shall be supplied by the customer.

7. The customer shall provide and install a NEMA-approved manual safety disconnect switch of adequate ampacity between each of its generators and the Company's system. The switch shall not open the neutral when the switch is open and shall have provisions for being padlocked in the open position with a standard Company padlock. For installations interconnected at greater than 600 volts, a fused cutout or switch may be substituted where practicable. The switch(es) shall be accessible at all times to Company personnel for the purpose of isolating the generating facility from the Company's system when deemed necessary for safety and operating reasons and for any of the following reasons:
 - a. To facilitate maintenance or repair of the Company's facilities;
 - b. During system emergencies;
 - c. At such times as the customer's generating facility is operating in a hazardous manner, or is operating such that it adversely affects service to other customers or to nearby communication systems or circuits.

(Continued on Sheet No. 175)

ISSUED January 1, 1987

BY: E. M. THEISEN
PRESIDENT
EAU CLAIRE, WISCONSIN



EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER January 1, 1987

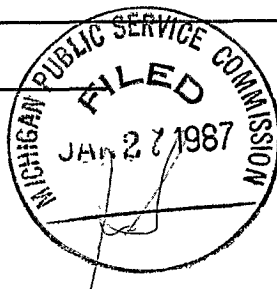
ISSUED UNDER AUTHORITY OF THE MICHIGAN
PUBLIC SER. COMM. DATED November 4, 1986

IN CASE NO. U-8493

PARALLEL GENERATION SERVICE - GENERAL RULES
(Continued from Sheet No. 174)

8. The customer shall be required to make its equipment available and permit entry upon the property by the Company, cable television, and telephone utility personnel at reasonable times for the purposes of testing isolation and protective equipment, evaluating the quality of power delivered to the Company's system, and testing to determine whether the local generating facility is the source of any electrical service or communication system's problems. Such testing and evaluation shall not relieve the customer's obligation to maintain his facilities in satisfactory operating condition.
9. The power output of the customer's generating facility shall be maintained such that the frequency and voltage are compatible with normal Company service. If these conditions are not met, customer shall discontinue operation immediately.
10. The customer's generating facility shall be operated so that variations from acceptable voltage levels and other service impairing disturbances do not result in adverse effects on the service on equipment of other customers, and in a manner which does not produce undesirable levels of harmonics in the Company's power supply or control circuitry.
11. The customer shall be responsible for providing protection for its installed equipment and for adhering to all applicable national, state and local codes. In certain circumstances, where the design and configuration of certain generating equipment (such as that utilizing line-commutated inverters) make it appropriate, the Company may require the customer to install an isolation transformer as part of the generating installation for safety and for protection of the generating facilities.
12. Unless otherwise agreed to by the Company, customers with facilities of 21 kW of capacity or more shall provide the capacitive reactance required by their generating and conversion equipment to maintain an average Power Factor of 90% or greater, or shall compensate the Company for the necessary corrective equipment installed by the Company.
13. Customer shall locate and install towers and other equipment necessary for the operation of its generation facilities so as not to cause a hazard to the Company's distribution system, and to comply with all applicable national, state and local codes or ordinances.

(Continued on Sheet No. 176)

ISSUED January 1, 1987BY: E. M. THEISEN
PRESIDENT
EAU CLAIRE, WISCONSINEFFECTIVE FOR SERVICE RENDERED ON
AND AFTER January 1, 1987ISSUED UNDER AUTHORITY OF THE MICHIGAN
PUBLIC SER. COMM. DATED November 4, 1986IN CASE NO. U-8493

PARALLEL GENERATION SERVICE - GENERAL RULES
(Continued from Sheet No. 175)

- 14. Customer shall effectively ground and provide and install adequate surge arrestor protection on his generation installation to prevent lightning damage to any Company distribution system equipment.
- 15. Customer shall maintain its generating facility in accordance with sound utility practices. If requested by the Company, the customer shall submit for Company approval a maintenance schedule prior to October 1 of each year, for the future calendar year.
- 16. The customer shall reimburse the Company in advance of construction for the addition, modification, or replacement of distribution system components made necessary by customer's generator installation.
- 17. Each party shall indemnify, protect, defend, and save harmless the other party from and against any and all claims and demands, including claims and demands of third parties, for damages remote as well as proximate to property, and injury or death to persons, including payments made under any worker's compensation law or under any plan for employees' disability and death benefits caused by or resulting from the negligent acts or omissions of the indemnifying party, its employees, agents, contractors, or sub-contractors during the erection, maintenance, operation or removal of the generator or the associated facilities and equipment.

ISSUED January 1, 1987

BY: E. M. THEISEN
PRESIDENT
EAU CLAIRE, WISCONSIN



EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER January 1, 1987

ISSUED UNDER AUTHORITY OF THE MICHIGAN
PUBLIC SER. COMM. DATED November 4, 1986

IN CASE NO. U-8493

STANDBY, MAINTENANCE AND SUPPLEMENTAL SERVICES RIDER

Availability These services are available to all Experimental General Time-of-Day, General Time-of-Day, and Large General Time-of-Day customers with generation interconnected to Company's system. Such interconnection must be in accordance with Company's General Rules for Parallel Generation.

Standby Service The purpose of standby service is for Company to serve customer's load during unscheduled outages of customer's generation. Company will provide standby generation service under which customer and Company have established a contracted amount of standby capacity.

Standby service is required for customers using Company facilities to stand by customer's generation system interconnected with and operating in parallel with Company's system.

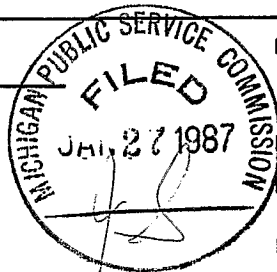
All of customer's demand and energy usage will be billed according to the customer's retail electric tariff.

Maintenance Service Customer may contract with Company for maintenance service to be provided by Company for an agreed-to or established customer maintenance outage. Customer shall be provided maintenance service in which the applicable retail monthly on-peak demand charge is based upon the on-peak demand rate and the on-peak demand for power provided during the maintenance period, and is prorated each maintenance month. The proration fraction is equal to the number of on-peak days maintenance service is provided, divided by the total number of on-peak days in the month. Customer's energy usage during maintenance periods will be billed on the applicable retail electric rate. Under this service, customer's demand for power will be included in determination of "Customer demand charge" according to the customer's retail electric tariff.

Supplemental Service The company will provide service to supplement the output of the customer's generation. Such service is normally available at times when either standby or maintenance services are not required and will normally be based upon the customer's retail electric service rate. Upon request, adjustments for any extraordinary operating characteristics of the customer's generation and load will be considered.

ISSUED January 1, 1987EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER January 1, 1987BY: E. M. THEISEN
PRESIDENT

EAU CLAIRE, WISCONSIN

ISSUED UNDER AUTHORITY OF THE MICHIGAN
PUBLIC SER. COMM. DATED November 4, 1986

IN CASE NO. _____

U-8493

OPTIONAL STANDBY AND OPTIONAL MAINTENANCE RIDER

Optional Standby Rate

A qualifying facility may, at the time the purchase contract is entered into, agree to make a monthly payment of \$.60 per kW per day for the highest on-peak demand occurring each day in which standby service is utilized, in addition to the otherwise applicable monthly maximum demand component of the applicable rate specified in the Company's rate schedule. A maximum demand in kilowatts shall be initially established by mutual agreement for electrical capacity sufficient to meet the maximum standby requirements which the Company is expected to supply.

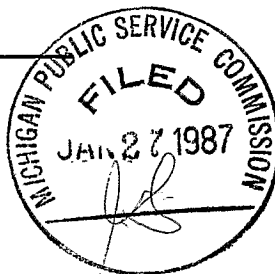
Optional Maintenance Power

A qualifying facility who has agreed to the Optional Standby Rate shall also be eligible to receive Optional Maintenance Power for a maximum of 30 consecutive days, once per calendar year, upon 90 days written request by the operator and agreement by the Company as to when the maintenance power will be supplied within that calendar year. At least 60 days prior to the commencement date of the required period of maintenance power, the Company will notify the operator as to whether it is in agreement with the period of maintenance power. During the period of maintenance power, the charge of \$.60 per kW per day under the Optional Standby Rate shall be waived. The operator will pay the monthly maximum demand component provided for in the applicable rate. The energy charge applicable under this option shall be the energy charge of the applicable rate.

ISSUED January 1, 1987

EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER January 1, 1987

BY: E. M. THEISEN
PRESIDENT
EAU CLAIRE, WISCONSIN

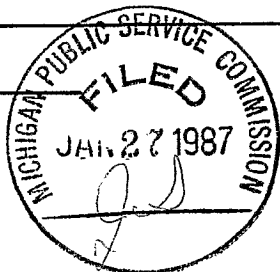


ISSUED UNDER AUTHORITY OF THE MICHIGAN
PUBLIC SER. COMM. DATED November 4, 1986

IN CASE NO. U-8493

WHEELING SERVICE RIDER

1. In the general course of business, wheeling service for customer-owned generation system (COGS) is voluntary for the Company. Upon request and where practical, the Company will consider wheeling for COGS connected to the Company's distribution or transmission system for delivery to another utility connected to the Company's transmission system.
2. Providing that transmission and distribution capacity is available as determined by the Company, wheeling will be at a rate negotiated based upon the revenue requirements for the transmission and distribution facilities used in wheeling power, the nature and degree of facilities usage, and any other impacts upon both the Company and customers in supplying the wheeling service.
3. If capacity is not available as determined by the Company, wheeling will not be considered unless preliminary studies show the additional transmission investment required is supported by wheeling customer revenues. If the preliminary study shows it is practical, studies will be conducted to determine required additions and cost.
4. The wheeling customer will be required to supply Company with power and energy associated with the wheeling line losses.
5. The wheeling customer shall provide Company with its generation schedule no later than the hour of 1500 local time on the day prior to the start of the scheduled day and be capable of reasonably adhering to the schedule. Deviations from the schedule shall be reviewed at the end of each billing period for all additional cost due to the deviations incurred by Company. Telemetering of the COGS to Company's control center shall be installed for all installations of 10 MW and above.
6. All wheeling agreements are subject to approval by appropriate regulatory bodies.

ISSUED January 1, 1987EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER January 1, 1987BY: E. M. THEISEN
PRESIDENT
EAU CLAIRE, WISCONSINISSUED UNDER AUTHORITY OF THE MICHIGAN
PUBLIC SER. COMM. DATED November 4, 1986IN CASE NO. U-8493

POLE ATTACHMENTS PA-1

Applicable To: All areas served.

Availability: This rate is available to customers, other than a utility or a municipality, contracting for attachment to the Company's poles.

Character of Attachment: Any wire, cable facility or apparatus for the lawful transmission of communication signals which are installed upon the poles, guys, ducts or conduits owned or controlled by the Company.

Rate

\$3.74 per year for each pole attachment.

R

Payment: The rental fee shall be payable semi-annually on the thirty-first (31) day of January and the thirty-first (31) day of July of each calendar year during which a written contract covering pole attachments remains in effect. Each payment shall include one-half year's rental in advance for each pole on which a contract was being maintained on the last day of the preceding December and June, respectively.

Conditions of Attachment: The Company will require that a written contract be executed which will detail attachment and safety standards, billing practices to be followed, other technical and operating parameters for the customer's equipment, and all other issues and concerns not addressed in this tariff. All contracts will be filed with the Commission and will be deemed approved by the Commission as to rates, terms and conditions of attachment, unless the Commission within 20 days of the Company's filing indicates disapproval.

ISSUED September 29, 1999

BY: J. L. Larsen
PRESIDENT
EAU CLAIRE, WISCONSIN



EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER April 1, 1997

ISSUED UNDER AUTHORITY OF THE MICHIGAN
PUBLIC SER. COMM. DATED February 11, 1997
IN CASE NO. U-10831

NSP WISCONSIN

Original SHEET NO. 181

NORTHERN STATES POWER COMPANY

CANCELS SHEET NO.

M. P. S. C. NO. 1 ELECTRIC - MICHIGAN

RESERVED FOR FUTURE USE



ISSUED January 1, 1987

EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER January 1, 1987

BY: E. M. THEISEN
PRESIDENT
EAU CLAIRE, WISCONSIN

ISSUED UNDER AUTHORITY OF THE MICHIGAN
PUBLIC SER. COMM. DATED November 4, 1986

IN CASE NO. U-8493

POWER SUPPLY COST RECOVERY FACTOR

- A) The power supply cost recovery factor for the period covered by the power supply cost recovery plan shall consist of an increase or decrease of .011001 mill per kWh for each full .01 mill increase or decrease in the projected average booked cost of fuel burned for electric generation and purchased and net interchanged power incurred above or below a cost base of 22.42 mills per kWh. R The projected average booked cost of fuel burned shall include transportation costs, reclamation costs, and disposal and reprocessing costs. Average booked cost of fuel burned and purchased and net interchanged power shall be equal to the relevant periods' booked costs divided by the relevant periods' net system kWh requirements. Net system kWh requirements shall be the sum of the net kWh generation and the net kWh purchased and interchanged power.
- B) All rates for electric service shall include an amount up to the Power Supply Cost Recovery Factor (PSCR factor) for the specified billing period as set forth on Sheet No. 183. The PSCR factor for a given month is an estimate of the average power supply cost, per kWh, for that year.

An amount not exceeding the PSCR factor for each month shall be placed into effect in the first billing cycle of that monthly billing period and shall continue in effect until the first billing cycle of a subsequent month for which a subsequent PSCR factor becomes operative.

Should the Company apply lesser factors than those on Sheet No. 183, or, if the factors are later revised pursuant to Commission Orders or 1982 PA 304, the Company will notify the Commission and file a revision of Sheet No. 183.

- C) Not more than 45 days following the last day of each billing month in which a power supply cost recovery factor has been applied to customer's bills, the Company shall file with the Commission a detailed statement for that month of the revenues recorded pursuant to the power supply cost recovery factor and the allowance for cost of power included in the base rates established in the latest Commission order for the Company, and the cost of power supply.

All revenues collected pursuant to the power supply cost recovery factors and the allowance for power included in the base rates are subject to annual reconciliation proceedings, as set forth in 1982 PA 304.

ISSUED January 19, 1999

EFFECTIVE FOR SERVICE RENDERED ON AND AFTER January 7, 1999

BY: J. L. LARSEN
PRESIDENT
EAU CLAIRE, WISCONSIN



ISSUED UNDER AUTHORITY OF THE MICHIGAN PUBLIC SER. COMM. DATED January 6, 1999
IN CASE NO. U-11777

POWER SUPPLY COST RECOVERY FACTORS

Northern States Power Company - Wisconsin's Power Supply Cost Recovery (PSCR) Monthly Factor for the 2008 Plan Year, is as follows:

<u>Year</u>	<u>Month</u>	<u>2008 Plan Year (per kWh)</u>		<u>2007 Over-recovery (per kWh)</u>		<u>Maximum Authorized 2008 PSCR Factor (per kWh)</u>	<u>Actual Factor Billed (per kWh)</u>
2008	January	\$0.02062	—	\$0.00226	=	\$0.01836	\$0.01836
2008	February	\$0.02062		\$0.00226		\$0.01836	\$0.01836
2008	March	\$0.02062		\$0.00226		\$0.01836	\$0.01836
2008	April	\$0.02062		\$0.00226		\$0.01836	<u>\$0.01836</u>
2008	May	\$0.02062		\$0.00226		\$0.01836	
2008	June	\$0.02062		\$0.00226		\$0.01836	
2008	July	\$0.02062		\$0.00226		\$0.01836	
2008	August	\$0.02062		\$0.00226		\$0.01836	
2008	September	\$0.02062		\$0.00226		\$0.01836	
2008	October	\$0.02062		\$0.00226		\$0.01836	
2008	November	\$0.02062		\$0.00226		\$0.01836	
2008	December	\$0.02062		\$0.00226		\$0.01836	

Issued March 20, 2008 by

M.L. Swenson
 President
 Eau Claire, Wisconsin



Effective: for bills rendered for the 2008 plan year.

Issued Under Authority of
 Michigan Public Service Commission
 Dated March 11, 2008
 Case No. U-15403

HISTORICAL POWER SUPPLY COST RECOVERY FACTORS

Northern States Power Company - Wisconsin's Power Supply Cost Recovery (PSCR) Monthly Factors for the 2007 Plan Year, were as follows:

<u>Year</u>	<u>Month</u>	<u>2007 Plan</u> <u>Year</u> <u>(per kWh)</u>	<u>2006</u> <u>Under-recovery</u> <u>(per kWh)</u>	<u>Maximum</u> <u>Authorized</u> <u>2007 PSCR</u> <u>Factor</u> <u>(per kWh)</u>	<u>Actual</u> <u>Factor</u> <u>Billed</u> <u>(per kWh)</u>
2007	January	\$0.02070	+ \$0.00156 =	\$0.02226	\$0.02226
2007	February	\$0.02070		\$0.02226	\$0.02226
2007	March	\$0.02070		\$0.02226	\$0.02226
2007	April	\$0.02070		\$0.02226	\$0.02008
2007	May	\$0.02070		\$0.02226	\$0.02008
2007	June	\$0.02070		\$0.02226	\$0.02008
2007	July	\$0.02070		\$0.02226	\$0.02008
2007	August	\$0.02070		\$0.02226	\$0.02008
2007	September	\$0.02070		\$0.02226	\$0.02008
2007	October	\$0.02070		\$0.02226	\$0.02008
2007	November	\$0.02070		\$0.02226	\$0.02008
2007	December	\$0.02070		\$0.02226	\$0.02008

Issued November 15, 2007 by

M.L. Swenson
 President
 Eau Claire, Wisconsin



Effective: for bills rendered
 for the 2007 plan year.

Issued Under Authority of
 Michigan Public Service Commission
 Dated February 14, 2007
 Case No. U-15005

NSP Wisconsin
Northern States Power Company
M.P.S.C. NO. 1 Electric - Michigan
(To Revise PSCR Reconciliation)

14th Revised Sheet No. 184
Cancels 13th Revised Sheet No. 184

**CREDIT RELATING TO THE
POWER SUPPLY COST RECOVERY RECONCILIATION;
12-MONTH PERIOD--JANUARY 1999 THROUGH DECEMBER 1999**

Pursuant to the order of the Michigan Public Service Commission in Case No. *U-11790-R* dated *August 17, 2000*, a reconciliation credit of \$.00757 per kWh shall be applied for all standard tariffs for meter sales subject to the Power Supply Clause. The credit will be in effect on bills issued during the month of *October 2000*.

ISSUED: August 23, 2000

BY: J. L. LARSEN
PRESIDENT
EAU CLAIRE, WISCONSIN



EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER October 1, 2000

ISSUED UNDER AUTHORITY OF THE MICHIGAN
P.S.C. DATED August 17, 2000
IN CASE NO. U-11790-R

FIRM POWER SALE FOR RESALE SERVICE

Effective In Territory served in Wisconsin and Michigan.

Availability Upon signing a contract for service, this schedule is available to an individual municipally-owned electric utility which purchases all of its power capacity and associated energy requirements hereunder for delivery at the customer's system at a point or points described in the Electric Service Agreement to be executed by the customer.

Rate (Metered at Primary Voltage)

Customer Charge \$240.00 per month

Demand Charge

Production and Transmission Demand Charge -

Current month on-peak period demand @ \$ 6.356 per kW

Distribution Substation Demand Charge -

Maximum measured demand during the current or preceding 11 months @ \$ 0.22 per kW

Energy Charge

All on-peak kWh per month @ 2.913¢ per kWh

All off-peak kWh per month @ 2.089¢ per kWh

Voltage Adjustment A 1.0% decrease in revenues from the Demand Charge and the Energy Charge is applicable to billings to customers metered at transmission voltage level (34,500 volts or higher). This voltage adjustment is not applicable to revenues from the Customer Charge or the Fuel Clause Adjustment.

Fuel Clause Applicable Sheet No. 187

Late Payment Provision Any amount remaining unpaid for more than 30 days from date bill is rendered shall bear interest from date payment is due to date of payment at the rate of 12% per year.

Definition of Peak Periods Unless specified to the contrary in writing by the Company to any customers using this schedule and refiling this rate sheet not later than November 1 of each year, on-peak hours shall be from 9:00 a.m. to 9:00 p.m. Monday through Friday, inclusive (excluding holidays), for the 12 months beginning with the first full billing period following December 15. The holidays designated shall be New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving and Christmas, on the day nationally designated to be celebrated as such. When a designated holiday occurs on Saturday, the preceding Friday will be considered an off-peak day. When a designated holiday occurs on Sunday, the following Monday will be considered an off-peak day.

Off-peak hours are times not specified as on-peak hours.

(continued on Sheet No. 186)

Issued December 30, 1991

EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER January 1, 1992

By: E.J. McINTYRE
PRESIDENT
EAU CLAIRE, WISCONSIN



ISSUED UNDER AUTHORITY OF THE MICHIGAN
P.S.C. DATED December 5, 1991
IN CASE NO. U-9880

FIRM POWER SALE FOR RESALE SERVICE (contd)
(Continued from Sheet No. 185)

Determination of Billing Demand The billing demand in kilowatts shall be a 15-minute integrated demand, measured on a clock hour, rounded to the nearest whole kW. The customer shall take and use power in such manner that the power factor shall be as near 100% as possible. In no event shall customer take power in such manner as to cause leading reactive kilovolt-amperes during the off-peak period.

Production and Transmission Demand Charge Current month on-peak period demand shall be the measured maximum demand within the current billing month which occurs during any on-peak hours, adjusted for power factor.

When the on-peak power factor is less than 90%, the on-peak billing demand shall be determined by multiplying the greatest 15-minute load during the on-peak period by 90% and dividing the product thus obtained by the on-peak power factor expressed in percent.

The on-peak power factor is defined to be the quotient obtained by dividing the greatest 15-minute on-peak demand (in kilowatts) during the month by the square root of the sum of the squares of the on-peak kilowatts and the lagging reactive kilovolt-amperes supplied during the same period. Any leading reactive kilovolt-amperes supplied during the on-peak period will not be considered in determining the power factor.

Distribution Substation Demand Charge Shall be the maximum measured demand occurring anytime during the most recent 12 billing months, and shall be applied where Company owns the distribution substation serving the municipality.

Load Reduction - Load Rejection In order to maintain system reliability and to prevent extended system outages to the extent possible, Municipality agrees to install, operate and maintain at its own expense such load reduction or load rejection systems as are required by Company. Company will not require more severe load curtailments by the Municipality than is practiced in Company's comparable retail communities and Company will give proper recognition to Municipality's critical loads.

Monthly Minimum Charge The Customer Charge plus the Distribution Substation Demand Charge.

Other Provisions For Terms and Conditions and other provisions, see individual contracts.

Rate Code

PB 474 Customer, Demand, On-Peak Energy Charge - City of Wakefield
PB 475 Off-Peak Energy Charge - City of Wakefield

ISSUED June 9, 1987

BY: E. M. THEISEN
PRESIDENT
EAU CLAIRE, WISCONSIN



EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER April 1, 1987

ISSUED UNDER AUTHORITY OF THE FERC
Dated May 12, 1987 in Docket No.
ER87-359-000

RESALE SERVICE - FUEL CLAUSE

This clause adjusts the charges per kilowatt-hour of all sales for resale for estimated current month changes in energy costs per kilowatt-hour and reconciles estimated and actual fuel costs and sales.

There shall be added to or deducted from the net monthly bill an amount per kilowatt-hour (the fuel adjustment factor) equal to the product of the increase above or decrease below 1.028¢ in the system (1) fuel cost per kilowatt-hour sales and the loss factor(2) of .986, rounded to the nearest .001¢.

I. The system fuel cost shall be the sum of the following as estimated for the billing month:

- (a) The fossil and nuclear fuel consumed in the system's generating stations as recorded in Accounts 151 and 518.
- (b) The net energy cost of energy purchases as recorded in Account 555, exclusive of capacity or demand charges, when such energy is purchased on an economic dispatch basis.
- (c) The actual identifiable fossil and nuclear fuel costs associated with energy purchases for reasons other than identified in (b) above, less
- (d) The fuel-related costs recovered through intersystem sales.

The kilowatt-hour sales shall be the sum of all system kilowatt-hours sold, excluding intersystem sales, for the billing month.

II. The fuel costs apportioned to resale sales in I. above adjusted for over or undercollected resale fuel costs from prior months' actual operations will determine the total amount to be recovered from resale sales.

- (1) "System" is the interconnected system of NSP(W), NSP(M) and Lake Superior District Power Company.
- (2) The loss factor is determined from the following formula:

$$\text{Loss Factor} = (\text{SS} \div \text{SR}) \div (\text{WS} \div \text{WR})$$

SS is total system sales at customer level
 SR is total system requirements at generation level
 WS is NSP(Wis) resale sales at customer level
 WR is NSP(Wis) resale requirements at generation level

Issued December 30, 1991

By: E.J. McINTYRE
PRESIDENT
EAU CLAIRE, WISCONSIN



EFFECTIVE FOR SERVICE RENDERED ON
AND AFTER January 1, 1992

ISSUED UNDER AUTHORITY OF THE MICHIGAN
P.S.C. DATED December 5, 1991
IN CASE NO. U-9880

CUSTOMER SUPPLY SERVICE CSS-1

Applicable to: All areas served.

Availability: This service is available to an AES to serve either a Customer or group of aggregated Customers with a total monthly Maximum Demand greater than or equal to 1,000 kW. An AES must have the appropriate license approval from the Commission. The AES and Customer(s) must comply with all statutory and regulatory requirements, state and federal law and must enter into certain agreements, specified herein, to the satisfaction of the Company.

Retail Access Service Tariff: Service according to this schedule is subject to the terms and conditions contained in Retail Access Service Tariff RAS-1, as set forth beginning on Sheet Number 195.

Conditions of Service: The AES's contracted Electric Supply shall provide for Customer's hourly load plus associated Electric Losses incurred on the Company's Electric Distribution System.

Summary of Requisite Agreements: An AES requesting CSS-1 service must comply with the Retail Access Service Tariff RAS-1, including but not limited to the terms set forth in the AES Section 3.0. The AES must execute agreements addressing conditions pertaining to, but not necessarily limited to:

1. service with the appropriate transmission and ancillary service providers;
2. provision, retention and exchange of confidential Customer Information in accordance with Section 2.3 of Retail Access Service Tariff RAS-1;
3. supply, scheduling and receipt of electricity to be delivered to the Company at the Company's Distribution Point of Receipt.

Customer Qualification to be served under CSS-1: An AES can only serve Customers under CSS-1, who have met the following eligibility criteria.

1. A Customer's eligibility to be served is subject to the full satisfaction of any terms or conditions as described under Section 2.2 of Retail Access Service Tariff RAS-1
2. A Customer will specify only one AES at any given time for Electric Supply to each Customer Account or Customer location as described under Section 2.4 of Retail Access Service Tariff RAS-1

(Continued on Sheet No. 189)

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CUSTOMER SUPPLY SERVICE CSS-1

(Continued from Sheet No. 188)

Provision of Distribution Losses by AES:

The AES shall be responsible for the provision of Electricity Supply Distribution System Losses associated with the delivery of electricity to the Customer's Location. The total amount of Electricity to be delivered to the Company's Distribution Point of Receipt shall be equal to the Customer's Load at the Distribution Point of Delivery multiplied times the appropriate Loss Multiplier to account for Electricity Supply Losses on the Company's Distribution System. The Loss Multipliers are found in Retail Access Service Tariff RAS-1, Section 3.6.

System Power Factor Charges: Customers receiving distribution service according to service schedules MCI-1 and MI-1 and who receive power supply service through an AES are subject to power factor charge provisions of the distribution service schedules. These provisions charge for system power factor improvements required for all Company's distribution Customers.

Term and Form of Contract and Prior Notice Provisions: All service under this schedule shall require a written Customer Supply Service Agreement between Company and a Customer's AES. The contract must be approved by an Officer of the Company or a duly authorized agent before such agreement shall be binding on the Company. If Customer desires to transition from an AES to Company provided System Supply Service schedule SSS-1, Customer or Customer's AES must notify Company according to the provisions of schedule SSS-1.

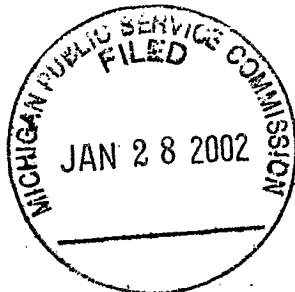
Rate Code: For rate code, refer to applicable distribution delivery service schedule.

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SUPPLY DEFAULT SERVICE SDS-1

Applicable to: All areas served.

Availability and Prior Notice Requirements: This service is available, on a best-efforts basis to a Customer with load greater or equal to 4 MW, who has been served according to CSS-1 and who is requesting System Supply Service SSS-1 with less than 12 months prior notice given to Company.

Conditions for Mandatory Service: Customer must sign a Supply Default Service Agreement with Company as part of the process of switching to an AES. This service is mandatory for a Customer who has been served by an AES according to CSS-1 and who has neither an AES provided Electric Supply nor a Company provided Electric Supply according to System Supply Service schedule SSS-1. Company will, on a best efforts basis, provide Electric Supply service to Customer. The Company is not required to build or to purchase capacity for a period of more than 12 months or to interrupt firm Customers to provide service under this schedule. Customer is obligated to pay Company for all costs associated with Company providing Customer with Power supply.

Retail Access Service Tariff: Service according to this schedule is subject to the terms and conditions contained in Retail Access Service Tariff RAS-1. Specifically, section 2.6 of Retail Access Service Tariff RAS-1 describes additional conditions under which a Customer may receive Supply Default Service.

Type of Service: Under Supply Default Service, Company is committed to provide, if available, Power supply to meet Customer's load. This supply is delivered to Company's Distribution Point of Receipt in amount equal to Customer's load at the Distribution Point of Delivery plus applicable Distribution System Electricity Supply Losses as specified in service schedule CSS-1.

Term and Nature of Contract: The maximum term for default service is 12 months. During the term of service, a Customer may switch to an AES. Upon completion of service under Supply Default Service, a Customer must either switch to an AES or must receive service according to System Supply Service SSS-1.

Supply Default Service Charge: The price for each hour of usage under this schedule shall be the greater of:

1. The Company's applicable System Supply Service rate for the Customer(s) according to Schedule SSS-1, or
2. 110 percent times the sum of Company's highest hourly incremental cost of any purchases of Power and allocated capacity costs associated with any purchases utilized to meet the Customer(s) hourly electricity load plus distribution losses, plus applicable transmission charges, or
3. 110 percent times the sum of Company's highest hourly incremental cost of generation and allocated capacity costs associated with generation utilized to meet the Customer(s) hourly electricity load plus distribution losses, plus applicable transmission charges.

Rate Code:
C78

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SYSTEM SUPPLY SERVICE SSS-1

Applicable to: All areas served.

Availability: This service is available, subject to certain conditions, for Electric Supply to be provided by Company to any retail electric Customer served according to the schedules listed below.

System Supply Service Charge Rates: Charges for this service include the costs of both Transmission and Generation. System Supply Service is offered, subject to terms and conditions as specified both herein and in the individual Customer Service Schedules. *The Rates levels that apply to the Individual Customer Service Schedules are shown below:*

1. Charges for Residential Service MR-1:
Supply Energy Charge 4.01 ¢ per kWh
2. Charges for Small Commercial Service MSC-1:
Supply Energy Charge 4.22 ¢ per kWh
3. Charges for Residential Time-of-Day Service MR-2:
On-Peak Supply Energy Charge 9.83 ¢ per kWh
Off-Peak Supply Energy Charge 0.26 ¢ per kWh
4. Charges for Small General Time-of-Day Service MST-1:
On-Peak Supply Energy Charge 9.83 ¢ per kWh
Off-Peak Supply Energy Charge 0.26 ¢ per kWh
5. Charges for Commercial Industrial General Service MCI-1:
Supply Demand Charge - Secondary Voltage \$ 5.28 per kW/mo.
- Primary Voltage \$ 5.05 per kW/mo.

Supply Energy Charge - Secondary Voltage 2.44 ¢ per kWh

Energy Charge Discount (before adjustment for Power Supply Cost Recovery)
-Primary Voltage 2.0%

Energy Charge Credit per Month
All kWh in Excess of 400 Hours times the Billing Demand, not to Exceed 50 Percent of
Total kWh 0.600 ¢ per kWh

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SYSTEM SUPPLY SERVICE SSS-1
(Continued from Sheet No. 191)

System Supply Service Charges: (continued)

6. Charges for Large Industrial Service MI-1:

On-Peak Demand Charge:

- Secondary \$ 6.75 per kW/mo.
- Primary \$ 5.65 per kW/mo.
- Transmission Transformed \$ 5.20 per kW/mo.
- Transmission Untransformed \$ 5.17 per kW/mo.

- Energy Charge:- - On-Peak-Secondary 3.24 ¢ per kWh
- Off-Peak-Secondary 1.75 ¢ per kWh

Energy Charge Discount (before adjustment for Power Supply Cost Recovery)

- Primary 2.0 %
- Transmission Transformed 5.5 %
- Transmission Untransformed 6.0 %

Energy Charge Credit per Month:

All kWh in Excess of 400 Hours times the On-Peak Period Billing Demand, not to Exceed 50 Percent of Total kWh
0.600¢ per kWh

7. Charges for Optional Off-Peak Service MOP-1:

Energy Charge - Secondary Voltage 1.62 ¢ per kWh

Non Authorized Energy Use Charge 20.00 ¢ per kWh

Energy Charge Discount (before adjustment for Power Supply Cost Recovery)

- Primary Voltage 2.0%

8. Charges for Municipal Pumping Service MPA-1:

Energy Charge - Secondary Voltage 3.51 ¢ per kWh

9. Charges for Peak Controlled Time-of-Day Service MPC-1:

On-Peak Firm Demand Charge:

- Secondary \$ 6.75 per kW/mo.
- Primary \$ 5.65 per kW/mo.
- Transmission Transformed \$ 5.20 per kW/mo.
- Transmission Untransformed \$ 5.17 per kW/mo.

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SYSTEM SUPPLY SERVICE SSS-1

(Continued from Sheet No. 192)

System Supply Service Charges: (continued)

9. Charges for Peak Controlled Time-of-Day Service MPC-1: (continued)

On-Peak Controlled Demand Charge:

- Secondary	\$ 3.68 per kW/mo.
- Primary	\$ 2.58 per kW/mo.
- Transmission Transformed	\$ 2.13 per kW/mo.
-Transmission Untransformed	\$ 2.10 per kW/mo.

<u>Energy Charge:</u> - On-Peak-Secondary	3.24 ¢ per kWh
- Off-Peak-Secondary	1.75 ¢ per kWh

Energy Charge Discount (before adjustment for Power Supply Cost Recovery)

- Primary	2.0 %
- Transmission Transformed	5.5 %
- Transmission Untransformed	6.0 %

Energy Charge Credit per Month:

All kWh in Excess of 400 Hours times the On-Peak Period Billing Demand, not to Exceed 50 Percent of Total kWh
0.600¢ per kWh

10. Charges for Peak Controlled General Service MPC-2:

Firm Demand Charge:

- Secondary	\$ 5.28 per kW/mo.
- Primary	\$ 5.05 per kW/mo.

Controlled Demand Charge:

- Secondary	\$ 2.21 per kW/mo.
- Primary	\$ 1.98 per kW/mo.

<u>Energy Charge</u> - Secondary Voltage	2.44 ¢ per kWh
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Energy Charge Discount (before adjustment for Power Supply Cost Recovery)

-Primary Voltage	2.0%
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Energy Charge Credit per Month

All kWh in Excess of 400 Hours times the Billing Demand, not to Exceed 50 Percent of Total kWh
0.600 ¢ per kWh

(continued on Sheet No. 194)

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SYSTEM SUPPLY SERVICE SSS-1

(Continued from Sheet No. 193)

Calculation of Demand Related Charges, Energy Related Charges and Power Factor Charges: System Supply Service demand related charges are calculated by multiplying the appropriate supply demand charge rate, listed above, times the appropriate Customer's supply billing demand (kW) as determined according to each Customer's service schedule. Such supply billing demands are not adjusted for power factor. Power factor charges are calculated according to the individual Customer's service schedule. System Supply Service energy related charges are calculated by multiplying appropriate energy charge rate times the Customer's measured energy usage (kWh).

Power Supply Cost Recovery Factor: All System Supply Service energy charges listed above are subject to the Company's Power Supply Cost Recovery Factor as set forth on Sheet Number 182 and shall apply to all kilowatt-hours billed under System Supply Service SSS-1.

Switching from Customer Supply Service CSS-1 to System Supply Service SSS-1:

Customer may initiate the return to System Supply Service by contacting either the Company directly or through Customer's AES according to the terms and conditions contained in Retail Access Service Tariff RAS-1, Section 2.6, and the following conditions:

1. Company has no obligation to verify that the Customer is eligible to terminate the service under the terms of the Customer's contract with its AES, nor is the Company under any obligation to enforce any aspects of contract between Customer and AES.
2. Customers with total load less than 4 MW will be allowed to return to the System Supply Service SSS-1 schedule for which Customer qualifies. With appropriate prior notice, such switch shall be processed on the Customer's next meter reading date, subsequent to the switch request.
3. Customers with total load greater or equal to 4 MW, who request immediate return to System Supply Service schedule SSS-1, shall initially be served according to Schedule SDS-1 for a period of up to 12 months, to allow the Company to secure generating capacity to serve the Customer upon return to System Supply Service. These large Customers may switch from service schedule CSS-1 to service schedule SSS-1, by providing Company with 12 month's prior notice.
4. The returning Customer must stay on System Supply Service for a minimum period of 12 months from the date of switching to schedule SSS-1.

Rate Code: For rate code, refer to applicable distribution delivery service schedule.

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RETAIL ACCESS SERVICE TARIFF RAS-1

1.0 INTRODUCTION AND DEFINITIONS

This tariff is intended to provide the terms and conditions associated with Retail Access Service as well as provide information regarding the roles of the various market participants. This tariff includes the following sections:

Introduction and Definitions	Section 1.0
Customer	Section 2.0
Alternative Electric Supplier (AES)	Section 3.0
Dispute Resolution	Section 4.0
Liability	Section 5.0

In cases where a Customer chooses to participate in Retail Access Service and obtain Generation Service from an Alternative Electric Supplier (AES), the Company will maintain a relationship and interact with two separate participants -- the Customer and the AES.

1.1 The Customer Role

The Customer is the end-user of Power at one or more locations in the State of Michigan who has facilities connected to the Company's Distribution System. Under Retail Access Service, the Customer will conduct transactions with at least two participants - the Company and an AES. The decision to choose an AES or to remain on Company service will be made by the Customer.

The Customer must already be connected to the Company's Distribution System as a Full Requirements Service Customer or meet the requirements for new Customers connecting to the Company's Distribution System as defined in the Company's applicable tariffs and service rules.

1.2 The Supplier Role

An Alternative Electric Supplier (AES) is a Person that has been licensed to sell retail electricity in Michigan. AESs take title to Power and sell Power in Michigan's retail electric market.

An AES makes necessary arrangements to provide Power to Customers, assembles products and/or services, and sells the products and/or services to Customers. AESs must meet all applicable statutory and regulatory requirements of Michigan and federal law.

Market participation responsibilities of the AES include: scheduling energy, obtaining and paying for transmission and ancillary services (including energy imbalance charges), and payment or provision of energy for losses incurred on the Transmission System and the Distribution System to deliver Power. The AES is responsible for assuring power supply, arranging deliveries to the Company's Distribution System and managing its own retail sales.

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RETAIL ACCESS SERVICE TARIFF RAS-1

(continued from Sheet No. 195)

1.3 Definitions

"*Alternative Electric Supplier*" or "*AES*" means a Person properly licensed by the Commission to sell electric Generation Service to retail Customers in the state of Michigan. AES does not include the Person who physically delivers electricity from the AES directly to retail Customers in Michigan.

"*Commission*" means the Michigan Public Service Commission.

"*Company*" means Northern States Power Company-Wisconsin d/b/a Xcel Energy or its agent.

"*Customer*" means, for purposes of Retail Access Service, a Person with electrical load facilities connected to the Company's Distribution System and to whom Power is delivered to its Location(s) pursuant to this tariff. All Customers, regardless of the voltage level of the service, are considered to be connected to the Company's Distribution System.

"*Default Service*" means Generation Service provided by the Company to Customers who are no longer being served by an AES for any number of reasons, in situations where the Customer is not eligible for Full Requirements Service.

"*Demand*" means the amount of Power required to meet the Customer's load at a given instant or averaged over any designated interval of time, expressed in kilowatts or megawatts.

"*Distribution Point of Delivery*" means the point of interconnection between the Company's Distribution System and the Customer's service Location.

"*Distribution Point of Receipt*" means the point of interconnection between the Company's Distribution System and the Transmission System or other facilities where electric Energy is received for delivery to a Customer.

"*Distribution System*" means facilities operated by the Company for the purpose of distributing electric power within the Company's electric service territory, which are subject to the jurisdiction of the Commission.

"*Drop Request*" means a request by an AES to terminate Generation Service to a Customer.

"*Energy*" means the capacity for doing work. In the context of this tariff the word energy refers to "electrical energy". Energy is usually measured in kilowatt-hours (kWh).

"*Energy Meter*" means a meter capable of measuring and recording energy on a kWh basis.

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RETAIL ACCESS SERVICE TARIFF RAS-1

(continued from Sheet No. 196)

1.3 Definitions (continued)

"*Enrollment*" means a transaction between an AES and a Customer whereby a Customer accepts electric service from the AES according to the terms of the AES's offer.

"*Full Requirements Service*" means the provision of retail regulated electric service including generation, transmission, distribution and ancillary services all provided by the Company.

"*Generation Service*" means the provision of electric Power and related ancillary services.

"*Interval Demand Meter*" means a meter capable of measuring and recording kW demands and kVAR demands on a sub-hour time interval and hourly integrated basis and measuring energy in kWh on a cumulative basis.

"*Load*" means any end-use device drawing energy from the electric system.

"*Load Profile*" means an allocation of a Customer's electricity usage to discrete time intervals over a period of time, based on individual Customer data or class averages, used to estimate electric supply requirements and to determine cost of service to the Customer.

"*Location*" means each Customer facility whether owned or leased.

"*Maximum Demand*" means the highest 15-minute integrated demand created during the current and previous 11 billing months at each voltage level, whether the Customer received service under this tariff or another Company retail tariff. For Customers that do not have an Interval Demand Meter installed, the Company will determine the Maximum Demand utilizing the average load factor of the rate class of the Customer.

"*Open Access Transmission Tariff (OATT)*" means Open Access Transmission Tariff of a Person owning or controlling the Transmission System, on file with the Federal Energy Regulatory Commission, as amended from time to time.

"*Person*" means an individual, governmental body, corporation, partnership, association, or other legal entity.

"*Power*" means a combination of the electric Demand and Energy requirements of the Customer.

"*Retail Access Service*" means the service offered by the Company under applicable laws, regulations, tariffs and agreements, which allows the Customer to purchase Generation Service and transmission service from a licensed AES, with Power delivered through the Company's Distribution System.

"*Regulated Electric Service*" means the services offered by the Company under terms and conditions approved by the Commission.

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RETAIL ACCESS SERVICE TARIFF RAS-1

(continued from Sheet No. 197)

1.3 Definitions (continued)

"Settlement Invoice" means a detailed bill of all energy and ancillary services provided to an AES by the transmission service provider, control area operator, or the Company, as appropriate.

"Settlement Statement" means a reconciliation of the energy and ancillary services scheduled by the AES with those actually consumed or used by the AES and its Retail Access Service Customers. The energy and ancillary services will be quantified in units generally accepted by the utility industry, e.g., energy will be measured in kilowatt-hours or megawatt-hours. Contents of the Settlement Statement will be suitable for the preparation of the Settlement Invoice, i.e., energy and ancillary services scheduled and used will be presented for discrete time periods such as hourly or 15-minute intervals.

"Slamming" means the act of changing the Customer's chosen AES, or changing the Customer from Full Requirements Service to Generation Service from an AES, without the Customer's consent.

"Switch" means a Customer move from one provider of Generation Service and transmission service to another.

"Switch Date" means the date on which the Customer is actually assigned to a new AES for purposes of Energy supply responsibility.

"Switch Request" means a request by an AES to switch a Customer from the Company or another AES to the requesting AES, for Generation Service.

"Switch Response" means a response sent by the Company to an AES which submitted a Switch Request that confirms the requested Customer switch as pending and provides certain Customer information or, if the Switch Request is denied, provides a reason or invalidation code explaining why the request was denied.

"Transition Charge" is a surcharge for the recovery of costs associated with the implementation of Retail Access Service and/or the Company's stranded costs arising from implementation of Retail Access Service.

"Transmission System" means facilities operated by a Person used for transmitting electric Power to the Distribution Point of Receipt, and subject to the jurisdiction of the Federal Energy Regulatory Commission.

"Uniform Data Transaction" means specific technical arrangements for trading information, initiating business requests and executing other common transactions. These arrangements may encompass a number of electronic media and use specified transport protocols.

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RETAIL ACCESS SERVICE TARIFF RAS-1

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2.0 CUSTOMER SECTION

2.1 Availability

Retail Access Service is available on and after January 1, 2002 to all existing or new Customers that meet the terms and conditions of this Retail Access Service tariff and other applicable Company tariffs, subject to contracting with an AES. The Company will begin to accept and process Switch Requests on and after January 1, 2002.

2.2 Eligibility

A Customer's eligibility to take Retail Access Service is subject to the full satisfaction of any terms or conditions imposed by pre-existing contracts with or tariffs of the Company. Customers must have satisfied any past due amounts for Regulated Electric Service owed to the Company under any other arrangements or provisions for Regulated Electric Service before taking service under this tariff.

2.3 Customer Information

An AES must obtain written authorization from the Customer before the Company will provide an AES with a Customer's currently available usage and billing information. Customers will be provided their own usage and billing information upon request. No fee shall be charged for the first request per calendar year related to a specific Customer account. Subsequent requests will require a fee of \$ 30 per account that will be billed to the Customer.

2.4 Customer Enrollment and Switching

- 2.4.1 A Customer will specify only one AES at any given time for the supply of Power to each Customer account or Customer Location.
- 2.4.2 The AES shall submit to the Company a Switch Request via a Uniform Data Transaction after a required 10-day Customer rescission period. The Company's processing will not start until the legal rescission period is over.
- 2.4.3 The Company will process one (1) valid Switch Request per Customer per meter reading cycle. Where multiple Switch Requests for the same Customer are received during the same meter reading cycle, the Company will process the first valid switch request received during a meter read cycle. A Switch Response for each rejected Switch Request will be sent to the appropriate AES via a Uniform Data Transaction within three (3) business days.

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RETAIL ACCESS SERVICE TARIFF RAS-1

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2.4 Customer Enrollment and Switching (continued)

- 2.4.4 The Company will normally validate a Switch Request within three (3) business days of the receipt of the Switch Request and will transmit a Switch Response to the AES. As part of the validation process, the Company shall notify the Customer in writing that a Switch Request has been received and is being processed. For valid Switch Requests, the Company will at the same time send to the AES currently serving the Customer, via the appropriate Uniform Data Transaction, notice that the AES's service is to be terminated, including the scheduled Customer Switch Date. In the event that the Customer or the new AES cancels the Switch before the Switch Date, the Company will send to the current AES, via appropriate Uniform Data Transaction, notice reinstating the current AES's service unless the current AES has submitted a valid Drop Request.
- 2.4.5 Customers shall be permitted to change AESs. Customers will be assessed a fee of \$ 10 processing charge per Customer account for each change beyond one (1) within a calendar year. The change will be submitted to the Company by the Customer's newly chosen AES as a Switch Request.
- 2.4.6 Other than in situations where Customers require new meter installations as part of a Switch, the Switch Date shall be effective on the next scheduled meter read date that is not less than eight (8) business days after a Switch Request has been validated by the Company. The AES change shall occur at midnight (00:00) local time at the beginning of the effective date.
- 2.4.7 For Customers required to have Interval Demand Meters, Retail Access Service will be subject to the Company installing an Interval Demand Meter at the Customer's expense and at the service location(s) designated for Retail Access Service. If the Customer is not required to have an Interval Data Meter, Retail Access Service is contingent upon the Customer agreeing to be subject to the load profiling method used by the Company to determine the Customer's interval load data or having the Company install an Interval Demand Meter at the Customer's expense.

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RETAIL ACCESS SERVICE TARIFF RAS-1

(continued from Sheet No. 200)

2.5 Metering and Load Profiling

2.5.1 Metering equipment for Customers taking Retail Access Service shall be furnished, installed, read, maintained and owned by the Company. Customer accounts with a threshold of 25 kW or more that receive service under Retail Access Service shall be required to have an Interval Demand Meter and time and material costs to install the Interval Demand Meter will be assessed to the Customers unless the charges are otherwise stated in the applicable distribution service tariff.

The Company reserves the right to require the installation of an Interval Demand Meter for a Customer not meeting the criteria in Section 2.5.1 of this tariff at the Company's expense, for the purpose of determining the Customer's hourly load for settlement. The Customer will not be subject to a fee for this service unless the growth in the Customer's load reaches or surpasses the criteria in Section 2.5.1 of this tariff.

2.5.2 For Customers required or who elect to have an Interval Demand Meter, the Company may require that the meter be read via telephone. In such cases, Customers may be required to provide telephone connection for purposes of meter interrogation by the Company. The Customer shall be responsible for all costs of the telephone connection.

If a Customer is not able to allow sharing of a telephone connection, the Customer may be required to obtain a separate telephone connection for such purposes and Customer shall pay all charges therewith. The Customer is responsible for assuring the performance of the telephone connection.

2.5.3 In cases where a telephone connection used by the Company for meter interrogation is out of service, the Company may retrieve the data manually for a nominal monthly fee of \$ 16.50 payable by the Customer. In the event that the telephone connection is out for three consecutive billing months, the Customer's Retail Access Service may be terminated and the Customer will be returned to service under the Company's Full Requirements Service tariffs subject to the provisions of Section 2.6, unless said outage is due to non-performance by the telecommunication service provider.

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RETAIL ACCESS SERVICE TARIFF RAS-1

(continued from Sheet No. 201)

2.5 Metering and Load Profiling (continued)

- 2.5.4 For Customers not required to have an Interval Demand Meter installed, i.e., subject to Load Profiling per section 2.5.7, when monthly metered Energy data is not available due to metering errors, malfunctions, or otherwise, the usage will be estimated by the Company using the procedure approved by the Commission under applicable rules and practices.
- 2.5.5 For Customers with Interval Demand Meters installed, i.e., not subject to Load Profiling requirements, where monthly metered Energy data is not available due to metering errors, malfunctions, or otherwise, the billing quantities will be estimated by the Company using the available historical data and other relevant information for the Customer.
- 2.5.6 Customers who choose Retail Access Service and who have Interval Demand Meters will have their Energy consumption and Demand for settlement purposes based on the data from the Interval Demand Meters. This method to calculate Energy consumption and Demand does not apply to those Customers who have an Interval Demand Meter installed by the Company solely for load research purposes.
- 2.5.7 Customers who choose Retail Access Service but do not meet the criteria in Section 2.5.1 of this tariff, will have, unless the Company has exercised its right to require an Interval Demand Meter under Section 2.5.1, the option to use a calculated Load Profile to estimate Energy consumption patterns. If a Customer chooses to install an Interval Demand Meter, that Customer will be assessed time and material costs to install the Interval Demand Meter unless charges are otherwise stated in the applicable distribution service tariff.
- 2.5.7.1 The Company will determine the Load Profiles utilizing the system residual method. The Company reserves the right to modify or change the Load Profiling method after proper review and consideration by the Commission.
- 2.5.7.2 The system residual Load is calculated for each one (1) hour interval as the difference between the total measured or estimated system Load and the sum of the Interval Demand Metered Loads including losses and the deemed Loads including losses.
- 2.5.7.3 The Company may apply a deemed profile to some Loads with simple predictable use patterns, such as street lighting or irrigation. Deemed profiles are calculated by assuming on- and off-times each day and assuming constant Load when on.

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RETAIL ACCESS SERVICE TARIFF RAS-1

(continued from Sheet No. 202)

2.6 Return to Full Requirements Service

- 2.6.1 The AES shall transmit a Customer Drop Request to the Company via a Uniform Data transaction when the Customer requests return to Full Requirements Service or when AES service is not being continued for any reason. The AES shall inform the Customer of the Drop Request in writing.
- 2.6.2 The Company will normally validate a Drop Request within three (3) business days of the receipt of the Drop Request and will transmit a Drop Response to the AES. As part of the validation process the Company will notify the Customer in writing that a Drop Request has been received and is being processed.
- 2.6.3 The actual switch of the Customer from AES service to Full Requirements Service shall be effective on the next scheduled meter read date that is not less than eight (8) business days after the Drop Request has been validated by the Company. The return to Full Requirements Service (or Default Service for Customers meeting criteria of 2.6.5) shall occur at midnight (00:00) local time at the beginning of the effective date.
- 2.6.4 All Customers whose total load is less than 4 MW Maximum Demand shall return to Full Requirements Service on the same terms as any new Customer applying for Full Requirements Service. Any such Customers returning to Full Requirements Service shall be ineligible to switch to an AES for a period of twelve (12) months thereafter.
- 2.6.5 Customers whose total load is greater than or equal to 4 Mw Maximum Demand ("large load Customers" as used herein) shall return to the Company's Default Service tariff initially and will not be eligible for Full Requirements Service until after a notice period, not to exceed 12 months, to allow the Company to secure incremental generating capacity to serve the returning large load Customer without adversely impacting Customers who have chosen to remain with the Company. The Company will return the large load Customer to Full Requirements Service from Default Service no later than 12 months after the Customer has returned to utility service. Customers may switch to another AES at any point during the period that they are on Default Service.
- 2.6.6 In the event that a Customer is slammed by an AES from Full Requirements Service and desires to return to Full Requirements Service, the Company will waive the notice period not to exceed twelve months. The Company's Default Service does not apply to such Customers.
- 2.6.7 In the event a Customer is returned to Company service after being dropped by the AES or due to the bankruptcy of the AES, or upon the AES's complete withdrawal from the market, the Customer will be served under the Company's Default Service tariff. The Customer may return to Full Requirements Service under the provisions of 2.6.1 to 2.6.3 above.

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RETAIL ACCESS SERVICE TARIFF RAS-1

(continued from Sheet No. 203)

2.7 Billing and Payment

- 2.7.1 The Company will bill the Customer for Retail Access Service as outlined in section 3.3 of this tariff.
- 2.7.2 The Customer shall pay the Company the amount billed by the Company on or before a due date established by Customer billing rules approved by the Commission in accordance with the Commission's consumer standards and billing practices, MAC R 460.2101 et seq., as amended, for residential Customers, and MAC R 460.3901 et seq., as amended, for nonresidential Customers.
- 2.7.3 Where incorrect billing results from a calculation error discovered by either the Company, the AES or the Customer, the error will be corrected and revised bills for the Customer and the AES will be calculated and settled on the next billing period after the error is discovered. Billing errors discovered by the Company shall be adjusted as provided for in the residential and commercial and industrial billing rules.

2.8 Disconnection of Service

- 2.8.1 The Company is the only Person allowed to physically shut off service to a Customer.
- 2.8.2 Disconnection of service to a Customer for nonpayment of the Company's bill or for any violation of the Company's tariffs shall be in accordance with applicable Commission rules and Company tariffs. The Company will provide notice to the AES of the date/time of actual disconnection. The Company shall not be liable for any losses to the AES due to disconnection.

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RETAIL ACCESS SERVICE TARIFF RAS-1

(continued from Sheet No. 204)

3.0 ALTERNATIVE ELECTRIC SUPPLIER SECTION

3.1 Availability

The Company will not process any switch Request from an AES unless and until:

- 3.1.1 The AES has been granted a license as an electric Power provider by the Commission.
- 3.1.2 The AES has demonstrated creditworthiness as described in Section 3.5.
- 3.1.3 AES has complied with all applicable statutory and administrative requirements.
- 3.1.4 The AES has demonstrated Uniform Data Transaction capability, which meets the Company's defined standards and protocols.
- 3.1.5 The AES has executed a Retail Access Service agreement (which may include, but is not limited to, a portfolio of Customers, negotiated services, etc.) with the Company and complied with the Company's Customer enrollment requirements to prevent Slamming of Customers.
- 3.1.6 The AES has obtained a valid agreement from the Customer, indicating that the Customer has chosen to Switch to the AES for Generation Service.
- 3.1.7 The AES has executed agreements with the appropriate transmission provider(s), control area(s) and ancillary services provider(s) as applicable.

3.2 Switch Requests

Service availability shall be on and after January 1, 2002 for all eligible Customers. All Switch Requests will be handled in accordance with Section 2.4 of this tariff, and will be accepted for processing by the Company on or after January 1, 2002.

3.3 Billing

- 3.3.1 Unless otherwise agreed, the Company and the AES will separately bill the Customer for the respective services provided by each. The Customer will receive two separate bills and is responsible for making payments to the Company for service provided in accordance with requirements of the Company as set forth in the applicable billing rules and Commission approved tariffs.

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(continued from Sheet No. 205)

3.3 Billing (continued)

3.3.2 The Company may elect to offer a service where it bills the Customer for services that the Company provides as well as the services provided by an AES. When the Company bills for charges on behalf of an AES, the following conditions will apply:

- A. The Company and the AES must have entered into a billing agreement, which specifies the terms, conditions and charges under which such billing will occur.
- B. Any discrepancies in charges collected and remitted will be corrected and reflected in the subsequent billing cycles.
- C. Payments received from or on behalf of a Customer shall be applied in the following order:
 - 1. To the Company's past due and current distribution and distribution related charges,
 - 2. To the AES's past due and current Generation Service and transmission supply charges,
 - 3. To the Company's other charges, and
 - 4. To the AES's other charges.
- D. Optional Services (i.e., billing and remittance processing, credit and collections, meter read information, Customer information, etc.) may be provided by the Company pursuant to terms negotiated with the AES, and shall be offered on a non-discriminatory basis.
- E. Amounts owed to the Company by an AES may be deducted from the AES's Customer payments received by the Company prior to remittance to the AES.
- F. The Company will not pursue collections action for any AES.

3.3.3 Unless otherwise specified by the Company, all payments made to the Company by the AES will be made by electronic funds transfer to the Company's account.

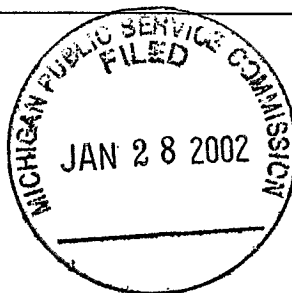
3.4 Terms and Conditions of Service

3.4.1 The AES is responsible for providing Power to be transmitted by the appropriate transmission provider(s) to the Company's Distribution Point of Receipt. The AES shall meet all obligations necessary to schedule Power to match the Customer's Load, subject to energy imbalance charges and penalties in accordance with the terms of the OATT of the transmission provider(s). The AES shall comply with all applicable requirements of NERC and any regional reliability council or their successor organization(s) associated with the AES's deliveries to the Company's facilities and will meet all applicable requirements according to the transmission provider(s)' OATT.

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RETAIL ACCESS SERVICE TARIFF RAS-1

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3.4 Terms and Conditions of Service (continued)

- 3.4.1 An AES must obtain and maintain a minimum aggregate load of 1,000 kW of Maximum Demand of Customers in Company's service territory to provide Retail Access Service to Customers.
- 3.4.2 Retail Access Service may not commence until metering has been installed as specified in this Tariff as outlined in section 2.5.
- 3.4.3 The AES will provide the Company daily energy schedules for all services including losses associated with use of the Distribution System. The AES will provide verification that it has arranged for and scheduled transmission service to deliver Energy and that the energy schedule has been approved by the transmission provider(s), and that the AES has covered energy losses on the Transmission System(s).
- 3.4.4 The AES will pay the Company for all applicable ancillary services, emergency energy services and backup services provided by the Company to the AES for the AES's Customer(s) from the service commencement date to the service termination date under applicable tariffs.
- 3.4.5 The Company shall bill the AES for all associated switching fees incurred as a result of Slamming by the AES plus the actual administrative cost incurred for switching a Slammed Customer from one rate service to another.
- 3.4.7 An AES shall not resell Customer account information or transfer it to other parties for any purpose.

3.5 Creditworthiness

- 3.5.1 Except as otherwise provided in Sections 3.5.2 and 3.5.3 below, an AES must provide security for performance of its obligations to the Company in the form of cash deposit, surety bond, letter of credit, acceptable affiliate guarantee or a combination of these methods. The total amount of the security shall be equal to one third of the estimated total annual amount to be billed under this tariff by Company to the AES, to be revised as needed to account for AES Customer additions during the year. The Company shall be a named beneficiary of any bond or letter of credit, and providers of such instruments shall have an acceptable credit rating. Interest earned on security deposits held by the Company shall be payable to the AES and deposits shall be returned when no longer required. Absent previous interactions between the AES and the Company, or where the business interactions span a time period of less than two (2) years, the AES shall provide to Company a historical record of up to two (2) years, documenting prompt and timely payment for all charges previously incurred with other business entities involved in the delivery of Power to Customers whether in Michigan or another jurisdiction, if available. The AES shall provide copies of its financial statements and credit bureau rating(s) to Company on request.

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3.5 Creditworthiness (continued)

- 3.5.2 The security deposit under Subsection 3.5.1 shall no longer be required after the AES has made timely payments of all amounts due under this tariff and has not otherwise defaulted on any obligations to Company for a period of twenty four (24) consecutive months. If the AES fails to make a timely payment or otherwise defaults on its obligations to Company following removal of the security deposit requirement under this subsection, then the security deposit obligation under Subsection 3.5.1 applies and continues in the same manner as provided above for an AES with no established payment and compliance history.
- 3.5.3 In order to avoid duplication of effort, if the Company has another electric tariff approved by the Commission or FERC that includes creditworthiness standards applicable to AESs, the AES may demonstrate and maintain creditworthiness under those standards.
- 3.5.4 The AES will notify the Company immediately of any material adverse change in the AES's financial condition that prevents the AES from meeting the creditworthiness conditions of this tariff.

3.6 Real Power (Distribution) Losses

The AES is responsible for replacing losses associated with the delivery of Power to the Customer's meter. The amount of Power to be delivered by the AES to the Company's Distribution System will be the amount of power to be delivered at the Customer meter plus an amount to reflect the Distribution System loss factors as set forth below.

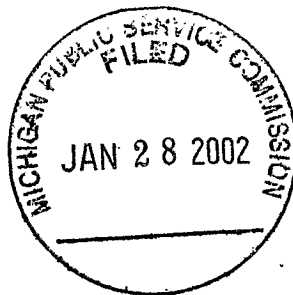
Distribution Loss Multipliers

Customer Service Schedule	Loss Multiplier
Service at Secondary Voltage Level Only	
MR-1, MR-2, MSC-1, MST-1, MPA-1	1.076
Service for Larger Loads at Multi-Voltage Levels	
MCI-1, MI-1 Secondary	1.069
MCI-1, MI-1 Primary	1.045
MCI-1, MI-1 Transmission/Transformed	1.003
MCI-1, MI-1 Transmission/Untransformed	1.000

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3.7 Settlement

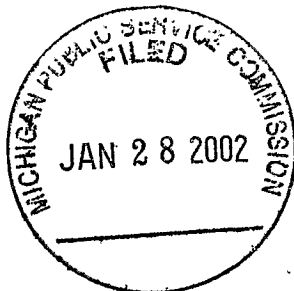
- 3.7.1 The Company may produce a periodic preliminary Settlement Statement for the transmission service provider or control area operator, as appropriate, and each AES operating in the Company's distribution service territory. Periodic preliminary Settlement Statements may be issued every one (1) to seven (7) days.
- 3.7.2 The Company shall produce a final monthly Settlement Statement for the transmission service provider or control area operator, as appropriate, and each AES operating in the Company's distribution service territory.
- 3.7.3 Final monthly Settlement Statements will be issued fifteen (15) calendar days following the completion of all scheduled meter reads for each billing cycle that begins in the calendar month of the settlement. In the event the fifteenth (15th) calendar day falls on a weekend or holiday, the final monthly Settlement Statement will be issued on the following business day.
- 3.7.4 The periodic and final monthly Settlement Statements may be issued in paper format or electronically.
- 3.7.5 The transmission service provider, control area operator, or Company, as appropriate, shall prepare a monthly Settlement Invoice for each AES operating in the Company's distribution service territory based on items listed in the final monthly Settlement Statement and other services that may be provided by the transmission service provider, control area operator, or the Company.
- 3.7.6 Payment process for the Settlement Invoice shall be comprised of the following two-step process.
- A. All Settlement Invoices with net funds owed by the AES are paid to the transmission service provider, control area operator, or the Company, as appropriate, by 1000 Central Time (CT) on the payment date, and
 - B. All Settlement Invoices with net funds owed to an AES shall be paid by 1400 CT on the payment date.
- 3.7.7 In the event the AES does not remit full payment for the monthly Settlement Invoice, the transmission service provider, control area operator, or the Company, as appropriate, will initiate the following procedure:
- 3.7.7.1 The transmission service provider, control area operator, or the Company, as appropriate, will draw on any available line of credit or security posted by the AES to cover payment shortages.
 - 3.7.7.2 The transmission service provider, control area operator or the Company, as appropriate, may cease scheduling additional energy deliveries for the AES and petition the Commission to decertify the AES if, after executing any available line of credit or security posted, there is still insufficient funds available to pay in full the monthly Settlement Invoice.

(continued on Sheet No. 210)

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(continued from Sheet No. 209)

- 3.7.8 Disputes between the transmission service provider, the control area operator, or the Company, where appropriate, and the AES regarding the final monthly Settlement Statement or the Settlement Invoice shall be resolved utilizing the procedure outlined in section 4.0 of this document.

A revised final monthly Settlement Statement and/or a revised Settlement Invoice will be issued when disputes are resolved or when data errors are corrected that result in a two (2) percent change or greater from the initial final Settlement Statement or initial Settlement Invoice. Resolved disputes or data errors that result in a change to the final monthly Settlement Statement or Settlement Invoice of less than two (2) percent shall be addressed in the next monthly Settlement Statement.

(continued on Sheet No. 211)

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RETAIL ACCESS SERVICE TARIFF RAS-1

(continued from Sheet No. 210)

4.0 DISPUTE RESOLUTION

- 4.1 The Company shall have no duty or obligation to resolve any complaints or disputes between AESs and their Customers.
- 4.2 In the event the Customer or AES has a dispute over the implementation service provided under the transmission service provider's OATT, the dispute shall be resolved using the dispute resolution procedures as described in the appropriate transmission service provider's OATT section.
- 4.3 In the event a dispute arises between an AES and the Company regarding the Company's Retail Access Service, then the party seeking resolution shall provide the other party with a statement of the dispute and the proposed resolution, delivered to the designated contact person. Upon receipt of a statement of dispute, the Company and/or AES shall attempt to resolve the dispute according to the following process:
- 4.3.1 The party receiving the statement will investigate the dispute and attempt to resolve the dispute informally in a manner that is satisfactory to both parties within 5 business days of initial receipt of the statement.
- 4.3.2 If the dispute is not resolved in five business days, the parties shall attempt to resolve the dispute by promptly appointing a senior representative of each party to attempt to mutually agree upon a resolution. The two senior representatives shall meet within ten (10) business days. If the two senior representatives cannot reach a resolution within a 30-day period, either party may then request arbitration or pursue other means of dispute resolution.
- 4.3.3 The dispute, if mutually agreed by the parties, may be submitted for resolution in accordance with the American Arbitration Association ("AAA") commercial arbitration rules. The judgment rendered by the arbitrator may be enforced in any court having jurisdiction of the subject matter and the parties.
- 4.3.4 The arbitrator may be determined by AAA.
- 4.3.5 The findings and award of the arbitrator shall be final and conclusive and shall be binding upon the parties, except as otherwise provided by law. Any award shall specify the manner and extent of the division of the costs between the parties.
- 4.3.6 Nothing in this section shall restrict the rights of any party to seek resolution of the dispute with the appropriate regulatory agency with jurisdiction.

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RETAIL ACCESS SERVICE TARIFF RAS-1

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5.0 LIABILITY

- 5.1 In no event will the Company, its affiliates, or its suppliers be liable under any cause of action relating to the subject matter of this tariff, whether based on contract, warranty, tort (including negligence), strict liability, indemnity or otherwise for any incidental or consequential damages including but not limited to loss of use, interest charges, inability to operate full capacity, lost profits or claims of AES or Customers.
- 5.2 The Company will not be liable to an AES or Customer for damages caused by interruption of service, voltage or frequency variations, single-phase supply to three-phase lines, reversal of phase rotation, or carrier-current frequencies imposed by the Company for system operations or equipment control except such as result from the failure of the Company to exercise reasonable care and skill in furnishing the service.
- 5.3 In no event will the Company be liable to the AES or Customer for loss of revenue or other losses due to meter or calculation errors or malfunctions. The Company's sole obligation and the AES and Customer's sole remedy will be for the Company to repair or replace the meter and prepare revised bills as described above.

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MICHIGAN CUSTOMER EDUCATION CHARGE CEC-1

(cancelled)

Issued December 1, 2003 by

M. L. Swenson
President
Eau Claire, Wisconsin

MICHIGAN PUBLIC SERVICE COMMISSION

DEC 15 2003

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