



Escanaba Electric Energy and Demand Management Programs

Currently, the Escanaba Electric Department is accepting volunteers to participate in two energy management pilot programs. There will be 10 residential customers and 10 commercial customers involved in the two pilot programs.

The Escanaba City Council has approved the programs except for the rates. Rates are approved in June of each year. The rates shown in the descriptions below of the residential and commercial time-of-use (TOU) programs are expected to be approved at that time.

The programs will begin when we have the 10 volunteers needed for each program. The programs will run for a total of 12 months. During the first six months of each program, volunteers will continue to be billed under their existing rate and their energy usage should continue as normal for them. During the second six months, the TOU rates will become effective and energy usage patterns will be recorded and compared to the patterns from the first six months usage. The results of the pilot programs will be considered in the determination to offer the program on an ongoing basis.

During the pilot program, TOU meters will be furnished to the volunteers at no charge.

To volunteer for either the residential or commercial TOU pilot programs, please call 786-0061 or send an email to cityelectric@escanaba.org. You will be notified when we have enough volunteers to begin the program.

Residential Time-of-Use Pilot Program

City of Escanaba Electric Department

Proposed Time-of-Use (TOU) Residential Peak Load Reduction Pilot Program

Description: This program will consist of the placement of ten (10) Residential TOU meters to determine the feasibility of implementing a Residential Load Reduction Program (RLRP) on an expanded basis. TOU meters record energy (not demand) used during certain preprogrammed hours.

Example: On-Peak hours for this Pilot Program will be between the hours of 8:00 AM to 11:00 PM, Monday through Friday except on holidays. Off-Peak hours will be all other hours. Energy usage during On-Peak hours is recorded separately within the TOU meter from Off-Peak hours and these two recordings are billed at separate rates.

The TOU meters are more costly than other residential meters. TOU meters are expected to cost approximately \$235 each and standard residential meters cost approximately \$25 each.

Special rates are required to provide incentive for customers to change patterns of usage. Therefore, there will be an On-Peak and an Off-Peak Rate.

The existing Residential Rates are:

\$0.08415 net per kWh for the first 400 kWh used per meter per month including fuel adjustment
\$0.07583 net per kWh for all over 400 kWh used per meter per month including fuel adjustment

TOU Rates are proposed to be:

On-Peak Rate: \$0.12271* net per kWh for all kWh used per meter per month including fuel adjustment
Off-Peak Rate: \$0.06271** net per kWh for all kWh used per meter per month including fuel adjustment

On-Peak Hours: All hours from 8:00 AM until 11:00 PM Monday through Friday except on the following holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day, or on the nationally designated day to celebrate any of these holidays.

Off-Peak Hours: All those hours not defined as On-Peak Hours.

All other applicable portions of the Residential Rate will apply to the TOU Rate.

Date: November 1, 2005 Revision Number: _____ Date Revised: _____

*City's average projected cost of \$.09271/kWh plus \$.03000.

**City's average projected cost of \$.09271/kWh minus \$.03000.

Commercial Time-of-Use Pilot Program

City of Escanaba Electric Department

Proposed Time-of-Use (TOU) Commercial Peak Load Reduction Pilot Program

Description: This program will consist of the placement of ten (10) Commercial TOU meters to determine the feasibility of implementing a Commercial Load Reduction Program (CLRP) on an expanded basis. TOU meters record energy (not demand) used during certain preprogrammed hours.

Example: On-Peak hours for this Pilot Program will be between the hours of 11:00 AM to 5:00 PM, Monday through Friday except on holidays. High-Use hours will be from 8:00 AM to 11:00 AM and 5:00 PM to 11:00 PM Monday through Friday except on holidays. Off-Peak hours will be all other hours. Energy usage during each of these intervals is recorded separately within the TOU meter and these interval recordings are billed at separate rates.

Special rates are required to provide incentive for customers to change patterns of usage. Therefore, there will be On-Peak, High-Use and Off-Peak Rates.

The existing Commercial Rates are:

\$0.10182 net per kWh for the first 500 kWh used per meter per month including fuel adjustment

\$0.07999 net per kWh for the next 1500 kWh used per meter per month including fuel adjustment

\$0.07583 net per kWh for all over 2000 kWh used per meter per month including fuel adjustment

TOU Rates are proposed to be:

On-Peak Rate: \$0.12271* net per kWh for all kWh used per meter per month including fuel adjustment

High-Use Rate: \$0.08942 net per kWh for all kWh used per meter per month including fuel adjustment

Off-Peak Rate: \$0.06271** net per kWh for all kWh used per meter per month including fuel adjustment

On-Peak Hours: All hours from 11:00 AM until 5:00 PM Monday through Friday except on the following holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day, or on the nationally designated day to celebrate any of these holidays.

High-Use Hours: All hours from 8:00 AM to 11:00 AM and 5:00 PM to 11:00 PM Monday through Friday except on the holidays listed above.

Off-Peak Hours: All those hours not defined as On-Peak and High-Use Hours.

All other applicable portions of the Commercial Rate will apply to the Commercial TOU Rate.

Date: November 22, 2005

Revision Number: _____ Date Revised: _____

*City's average projected cost of \$.09271/kWh plus \$.03000.

**City's average projected cost of \$.09271/kWh minus \$.03000.

