MORATORIUM EFFECTIVE FEBRUARY 14, 2017 ON THE FOLLOWING LOAD CONTROL PROGRAMS

ENERGY MANAGEMENT PROGRAM RATES

Available: Within Elk River Municipal Utilities (ERMU) established service territory.

Applicable: To single family residences, non-demand and demand customers receiving service under another rate, who add a second meter for any of the following controlled loads:

**Dual Fuel Space Heating Rate:** This Program is available to residential customers only. A dual fuel space heating system consists of an electric heating system and a secondary non-electric space heating system both capable of heating the living space at design conditions. Interruptions of the electric heating system will usually occur for up to 12 hours daily on peak winter days and a maximum of 400 hours per heating season.

To qualify for the special rate, the customer shall provide:

1. An electric space heating system which can be interrupted by a single 5 amp rated relay.
2. A secondary non-electric space heating system capable of automatic start-up and continuous operation upon interruption of the electric heating system.
3. Obtain a load control device furnished by ERMU.
4. Accommodations for a meter and load control device and associated wiring installed according to the applicable electrical codes, and installed by a qualified electrician.
5. Inspection by a State certified electrical inspector and a representative of ERMU.
6. Radiant heat in the slab of the building qualifies for dual fuel, not electric thermal storage.
7. Dual Fuel is not allowed in garages, pole sheds, or any structure that does not confirm to the residential building code.
8. Exceptions by management approval only.

Elk River Municipal Utilities shall provide:

1. All electric energy consumed by the primary electric heating system at $.0602 per kWh.
2. The rate is subject to application of the Power Cost Adjustment (PCA).
3. During peak load conditions, ERMU will turn customer controlled electrical heat off for extended periods of time as stated above.
4. A meter to measure electricity consumed by the electric heating system.
5. A load control device and meter socket to accommodate the meter.

**Electric Thermal Storage (ETS) Space Heating Rate:** This Program is available to all ERMU customers. An ETS space heating system is designed to store heat produced by electricity generated during eight off-peak hours for use in heating during the remaining on-peak hours daily. Off-peak hours typically
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Energy Management Program Rates

occur between 11 PM and 7 AM. Qualifying ETS configurations may be central storage furnaces, room storage heaters or slab (deep heat) systems including combinations of same.

To qualify for the special rate, the customer shall provide:

1. An ETS space heating system listed by UL or some other nationally recognized testing agency which can be interrupted by a single 5 amp rated relay.
2. Obtain a load control device from ERMU.
3. Accommodations for a meter and load control device and associated wiring installed according to the applicable electrical codes, and installed by a qualified electrician.
4. Inspection by a State certified electrical inspector and a representative of ERMU.

Elk River Municipal Utilities shall provide:

1. All electric energy consumed by this ETS system at $.0463 per kWh.
2. The rate is subject to application of the Power Cost Adjustment (PCA).
3. This equipment will be energized only for 8 off peak hours daily. Additional on-time is provided on weekend days and holidays.
4. A meter to measure electricity consumed by the ETS space heating system.
5. A load control device which will automatically control ETS space heating system during on-peak hours.

Electric Thermal Storage (ETS) Water Heating Rate: This Program is available to all ERMU customers. An ETS water heater is designed with extra storage capacity to provide total domestic hot water needs from electricity consumed only during eight off-peak hours daily. Off-peak hours typically occur between 11 PM and 7 AM. Qualifying ETS configurations may be a large single tank, dual tanks plumbed in series, or an electric and non-electric tank plumbed in series with the electric placed on the cold water side. Electric water heater must have an energy factor of .91 or more and a minimum of 80 gallons of storage capacity.

To qualify for the special rate, the customer shall provide:

1. An ETS water heating system which can be interrupted directly by a single 30 amp rated relay.
2. Obtain a load control device from ERMU.
3. Accommodations for a meter and load control device and associated wiring installed according to the applicable electrical codes, and installed by a qualified electrician.
4. Inspection by a State certified electrical inspector and a representative of ERMU.
5. This rate is not available for hot water use in any production process for Commercial and Industrial users.

Elk River Municipal Utilities shall provide:

1. All electric energy consumed by the ETS water heater at $.0463 per kWh.
2. The rate is subject to application of the Power Cost Adjustment (PCA).
3. This equipment will be energized only for 8 off-peak hours daily.
Cycled Air Conditioning: This Program is available to all customers served by ERMU who have central air conditioners. Program participants must allow installation of a utility supplied load control device so air conditioning demand can be reduced at critical times. This Program is subject to the following terms and conditions:

1. The Customer must have a conventional central air conditioner, ASHP or GSHP, of at least 2 tons capable of being interrupted with a 5 amp relay.
2. ERMU will furnish the load control device and pay to have it installed by a licensed electrician. Separate metering is not required.
3. The Customer must allow access for installation of the load control device during normal business hours.
4. The Customer must allow access for load control maintenance and compliance inspections by ERMU personnel during normal business hours.
5. Customers must agree to allow ERMU or its designee to remotely cycle their central air conditioner, ASHP or GSHP, off for approximately 15 minutes out of each 30 minute period at critical peak use times during the cooling season (May through September). Except for extreme emergencies, duration of said control will not exceed 6 hours per day and more than 200 hours total per cooling season.
6. Customers who elect to participate in this Program must remain on it for at least one cooling season or part of the load control installation costs may be assessed to the customer.
7. Customers with central air conditioners, ASHP or GSHP, that are grossly oversized for the conditioned space will not be allowed to participate. Such systems do not provide ERMU sufficient load reduction relief at critical peak use times.
8. The rate is subject to application of the Power Cost Adjustment (PCA).
9. Cycled AC Program participants will receive a $3 per month credit for allowing ERMU to interrupt their air conditioners as outlined above. Such payments will be provided in the form of a bill credit during the five monthly billing periods of June – October.