

Barron Electric's Load Management Program

Barron Electric Cooperative utilizes an energy conservation technique called load management. Load is the measure of demand placed by consumers on an electric system at any given time. The load management program is a tool used to balance electrical supply and demand. The goal is to keep the amount of electricity used in balance with the amount of power generated.

How Does Load Management Work?

Dairyland Power Cooperative, Barron Electric's wholesale power supplier, estimates that its load management program saves the system 70 MW of power in the summer and 155 MW in the winter, the equivalent of a sizable power plant. It does so by reducing the system's total demand at a time of peak use hours—generally between 3 and 9 p.m. That timeframe taxes the power supply because people are commonly at home running washers and dryers, dishwashers, heaters, air conditioners, etc.

Residential Radio Control Strategies

50-Gallon Water Heater Strategy (1A)

Interrupted for a maximum of 4 hours in a 10 hour period, as needed.

85-Gallon (1B) & 105-Gallon Water Heater Strategy (3)

Interrupted daily from approximately 5 a.m. until 1 p.m.

On from approximately (Winter Hours) 1 p.m. until 3:30 p.m. (Summer Hours) 11 a.m.-1 p.m.

Interrupted from approximately 3:30 p.m. until 11 p.m. This strategy is not interrupted on weekends or holidays, except during full load control events.

Dairy Water Heater Strategy (4A)

Interrupted for 6 hours after 5 p.m. as needed (evening only)

Central Air Conditioning Strategy (2C, 2S)

Cycling of 15 minutes with the power on and 15 minutes with the power off cycling for a maximum of 5 hours generally on the hottest days in the summer, unless there is a system emergency, as needed.

Dual Fuel Strategy (2A, 2B, 2C, 2W)

Interrupted for a maximum of 12 hours in a 24 hour period. Usually not longer than 6 hours at a time. Generally on the coldest days of the winter or the hottest days in the summer, as needed.

4 Hour-Off Strategy (4B)

Interrupted for a maximum of 4 hours in a 6 hour period on a as needed basis, generally on the coldest days of the winter or the hottest days in the summer, as needed.

Storage Heat Strategy (ETS) (3)



Winter (Approximate Times)

Interrupted 5 a.m. until 1 p.m.

On from 1 p.m. - 3:30 p.m.

Interrupted from 3:30 p.m. - 11 p.m.

On from 11 p.m. - 5 a.m.

Summer (Approximate Times)

Interrupted 5 a.m. until 11 a.m.

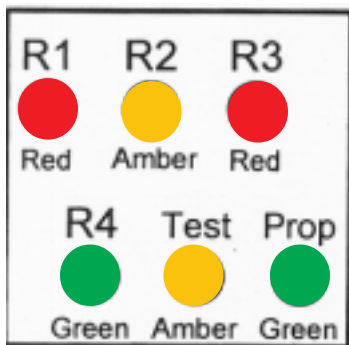
On from 11 a.m. - 1 p.m.

Interrupted from 1 p.m. - 11 p.m.

On from 11 p.m. - 5 a.m.

This strategy is not interrupted on weekends or holidays, except during full load control events.

Load Management Radio Receiver Model 305/306



Red light on (R1): Water Heater Interrupted
Amber light on (R2): Dual Fuel - Electric Heat Interrupted
Red light on (R3): Electric Storage Heating Interrupted
Green light on (R4): Control Alert
Green light (Prop) Receiver is operating properly
Prop light is on 5:30 a.m. to 11 p.m.

If you are out of hot water, please check your circuit breaker, fuse or reset button on water heater before calling BEC.



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For load status information, visit Barron Electric's website at www.barronelectric.com. Click on the Energy Information tab and then click on load status. Barron Electric appreciates your participation in the load management program!