

OFF-PEAK INFORMATION FOR NEW INSTALLATIONS:

ELECTRIC HEATING SYSTEMS

- Electric forced air, plenum heater, boiler, heat pump, baseboard, cove heat, slab heat, and ceiling heat.
- Capable of interruption for extended time periods.
- All living spaces must have adequate and automatic non-electric backup (see backup heating systems section below).
- A single thermostat system is recommended.
- Shop/garage heat is not required to have a backup source, although we strongly recommend it.
- Non-qualifying off-peak loads include: clothes dryers, dishwashers, hot tubs, pool heaters, room air conditioners, and warm tiles.
- The cooperative provides the following equipment:
 - Meter socket
 - CTs
 - Ripple control

BACKUP HEATING SYSTEMS

- Must maintain 65° F temperature throughout home or business.
- Must be thermostatically controlled. Non-automated backups (wood, corn, kerosene, used oil, outdoor wood stoves, etc.) are not an adequate backup system.
- Natural gas, fuel oil, or propane forced-air or boiler systems are the most common qualifying backup heating systems.
- A single gas fireplace or electric room thermal storage heater cannot be used as the only backup.
- The off-peak meter will not be set in homes that do not have an adequate backup system.

MAIN PANEL ELECTRIC HEAT

- Main panel electric heat and off-peak electric heat cannot serve the same space (with exception). Up to 2 kW of electric heat is allowed in main panel. Example: bathroom heater, warm tile floor heat, etc.
- Plug-in heaters are not allowed as a backup heating source.

UNDER FLOOR HEAT

- Must have 4"-6" of sand to qualify for off-peak rate.
- Should be sized for 16+ hours/day of load control.
- Call 701-356-4400 for sizing questions.
- Use floor-sensing thermostats vs. air thermostats for hydronic and cable heat.

AIR CONDITIONING

- Cycled air conditioning on an off-peak meter is 6.9 cents per kWh + Purchased Power Adjustment (June-Sept.).
- Cycled air conditioning on the main meter receives a \$7 monthly credit (June-Aug.).
- Controlled 25 minutes off/25 minutes on during peak conditions in the summer.
- Applies to central air conditioners only.

HEAT PUMPS/MINI-SPLITS

- Air-source heat pumps must be in the off-peak circuit and controlled.
- We do not require the cooling side of a heat pump to be controlled, though the heat must be controlled.
- The cooling side is controlled 25 minutes off/25 minutes on during peak conditions in the summer (June-Sept.).

EXCEPTION

- We recommend the mini-split heat pump be in the off-peak panel and controlled to receive the lower off-peak rate. If the mini-split heat pump is under two tons, it can be in the main panel and uncontrolled. Please contact our energy management department with questions.

WATER HEATING AND CIRCULATING PUMPS

- These pumps are installed to ensure there is hot water immediately available. Depending on how they are configured, the impact to electric consumption will vary. Water heaters on off-peak cannot be used with circulating pumps, unless the pump is also tied to the load control equipment (ripple).



WE WANT TO WORK WITH YOU TO FIND THE BEST RATES AND EQUIPMENT FOR YOUR SCENARIO.