
2011 Off-Peak Program Options for New Installations

Dual Heat (Residential / Farm)

Rate:

\$.051/kWh + Purchased Power Adjustment (fixed at .005 Nov-Mar)+ \$3.00 meter charge per month

Electric heating systems:

- Electric forced air, plenum heater, boiler, heat pump, baseboard, cove heat, slab heat, and ceiling heat
- Capable of interruption for extended periods of time (150 - 500 + hours per year.)
- All living or occupied spaces must have adequate and automatic non-electric backup (see Backup section below)
- All heat circuits to be coded for long-term control, up to 24 hours per day
- Shop / Garage heat is not required to have a backup, though we strongly recommend it.
- Water heaters, central air conditioners, and heat pumps are allowed on meter, but must be controlled.
- Non-qualifying off-peak loads include: hot tubs, dishwashers, room air conditioners, clothes dryers, and warm tiles
- One thermostat system is strongly recommended

The off-peak meter will not be set in homes that do not have an adequate backup system. CCEC provides the meter socket, CT's, and ripple control.

Backup Heating Systems

- Must be able to maintain 65° temperature throughout home or business.
- Must be thermostatically controlled. Non-automated backups such as wood, corn, kerosene, used oil, outdoor wood stoves, etc. allowed in non-living spaces only.
- Natural gas, fuel oil, or propane forced air or boiler systems are the preferred backup heating systems.
- A single gas fireplace or electric room thermal storage heater cannot be used as a backup. Must be adequately designed for the heat loss of the house. (residential / farm.)
- Propane and oil systems must have a fuel supply of 250 gallons or more.

Main Panel Electric Heat

- Electric heat in the main service panel cannot be designed to run more during control periods than on a similar day without control.
- Main panel electric heat and off-peak electric heat cannot exist within the same room.
- Plug-in heaters are not allowed as a backup heating source.

Under Floor Heat

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

Water Heating

- Short-term water heater control, the first 400 kWhs, on an off-peak meter is 6.5 cents per kWh + Purchased Power Adjustment. Short term water heater is less than 100 gallon capacity. Short term winter control (4-hour max, up to twice a day), no summer control **-OR-** A monthly credit is offered for water heaters that are controlled on an off-peak program, but are not metered separately. Receive a \$6.50 monthly credit for water heaters that are placed on short-term control, with a minimum use of 300 kWh on general service. (4 hours at a time, up to twice a day).
- Long-term water heater control on an off-peak meter is 5.1 cents per kWh + Purchased Power Adjustment. Long term water heater is greater than 100 gallon capacity. Long-term control is daily cycled from 7am-12pm and from 5pm-11pm each day from November to May and subject to control during the summer. **OR-** A \$13 monthly credit, for water heaters that are placed on long-term control but are metered separately, is offered for water heaters over 100 gallons that are controlled on off-peak.
- Water heaters on off-peak cannot be used with circulating pumps, unless the pump is tied to the ripple control.

Air Conditioning

- Cycled Air Conditioning on an off-peak meter is 6.5 cents per kWh + Purchased Power Adjustment or receive a \$7.00 monthly credit for the air conditioner, June-August if the unit is controlled but is not metered separately.
- Controlled 25 minutes off/ 25 minutes on during peak conditions in the summer.
- Applies for central air conditioners only.

Financing / Rebates

- Members who install an air-source heat pump, placed on off-peak, are eligible to receive a \$150 energy credit that would be applied to their electric bill after a CCEC technician has documented the account.
- Members who install a ground source heat pump are eligible to receive a \$150 energy credit that would be applied to their electric bill after a CCEC technician has documented the account.
- Members who install a 100 gallon or larger water heater will receive a \$150 energy credit applied to their electric bill if the water heater is on off-peak control. Water heater must be controlled, long-term, for one year or \$150 will be applied back on account.
- Financing:
Heating and Cooling Equipment – up to \$5,000, 5% interest, 5-year term
Weatherization – up to \$3,000, 5% interest, 5-year term

All rebates must be submitted to CCEC for documentation within the year the work was done.

To inquire about the off-peak program, please call Cass County Electric at 1.800.248.3292