

# ENERGY WISE

for your Home



**Installing an electric water heater lets you enjoy the cleanest, safest, most efficient water heating system you can buy.**

## OFF-PEAK ELECTRIC WATER HEATING (METERED)

### How it works

With off-peak water heating, water is heated during off-peak hours when electrical demand is at a minimum.

A mixing valve, if installed on the discharge hot water pipe of the water heater, is designed to mix cold and hot water in order to deliver the desired temperature at the faucet. Connexus Energy recommends installing, setting, and maintaining the mixing valve to the manufacturer's specifications.

Water heaters are interrupted for 16 hours daily. Recharge is limited to eight hours daily, and may be continuous for eight off-peak hours or in increments totaling eight hours daily.

May - September: Eight hour night-time recharge from approximately 11 p.m. - 7 a.m.

October - April: Eight hour night-time recharge from approximately 10 p.m. - 6 a.m.

Weekends & Holidays: No control except for peaking conditions, high energy prices, or system emergencies.

**Pay only 4.67¢ per kWh to heat your water versus 12.13¢ (winter rate) and 13.13¢ (summer rate).**

### Equipment requirements\*

- Install a single 105 or 120 gallon electric water heater.
- Install a single 80 to 120 gallon electric water heater for use in high temperature applications with a mixing valve.
- For users requiring larger quantities of hot water, install a combination of 52, 66, 80, 105 and/or 120 gallon electric water heaters.
- Heat Pump Water Heaters not eligible for this program. May be eligible for a rebate.

### HOW TO SIGN-UP

1. Prior to installing the water heater, contact Connexus Energy to schedule a date and time to pick up the required metering equipment. A one-time installation fee of \$50 will be added to your electric bill at the time of pick-up.
2. Homeowner or licensed contractor is responsible for purchasing and installing electric water heater, mixing valve, and meter package. Wiring diagrams are available.
3. Have a state electrical inspection completed within 30 days of installation.
4. Contact Connexus Energy at 763.323.2650 for final off-peak inspection. Off-peak rates will not be applied until final inspection is completed. Reference general terms of off-peak programs on back.

Family Size	Storage Water Heating Requirements
1-4	80-85 gallons and mixing valve
5-7	105-160 gallons
8-9	200 gallons minimum

\* Recommendations are based on average usage. Your family's usage patterns should be considered before choosing the size of water heater.



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## Off-Peak General Terms

1. Off-peak meters and load management radio receivers must be mounted outside of the building, four-to-six feet above ground level (to the top of meter glass) and easily accessible to Connexus Energy personnel.
2. Connexus Energy shall not be responsible for the installation, operation, or maintenance of the off-peak system or related equipment. Connexus Energy will maintain and operate the load management radio receiver and associated off-peak electric meters.
3. The Connexus Energy member shall arrange and pay for the installation, operation, and maintenance of the off-peak system or related equipment, to ensure correct operation according to Connexus Energy's specifications.
4. Installation of the off-peak system must be completed within 30 days from the date the off-peak equipment was issued. Failure to complete the installation of the off-peak system within 30 days will result in the total cost of all associated off-peak equipment (including rebates or incentives) charged to the member's electric bill with payment due immediately.
5. In the event this agreement is terminated, the Connexus Energy member must remove and return all off-peak meter(s), load management radio receiver, and associated off-peak equipment and pay any associated expenses. The Connexus Energy member will not be allowed on the same off-peak program for a minimum period of one year from the date of termination.
6. Off-peak loads shall be separately metered and controlled and must be approved by Connexus Energy.
7. The Connexus Energy member shall notify Connexus Energy when any off-peak loads, meter(s), load management radio receiver, or associated off-peak electrical equipment is damaged, changed, repaired, removed or added, or if any Connexus Energy seals are broken. Failure to notify Connexus Energy of any changes within 30 days may result in removal from the program.
8. Connexus Energy reserves the right to make changes to the control terms, in the event of utility system emergencies as determined by Connexus Energy.
9. Installation fees are non-refundable.

Connexus Energy shall not be responsible for any losses, damages, or claims arising from the installation, operation, maintenance, or function failure of the off-peak system.