

Your guide to energy efficient water heating

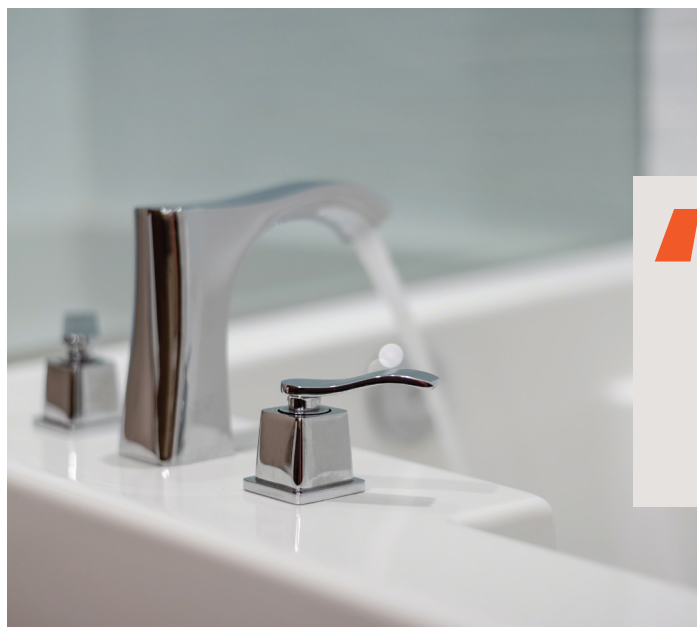
Your electric cooperative has many options available to help you reduce the water heating costs in your home. Review the information below and find out what product or products are best for you. Reach out to your cooperative to discuss water heating options and available programs including smart water heating.

CIRCULATING PUMP WITH ECM TECHNOLOGY

- A circulating pump with a electronically commutated motor (ECM) installed on your hot water line, regardless of its fuel source, helps save energy and money by turning the circulator into a reactive system that can slow down or speed up in response to current conditions.
- In many cases, a variable speed ECM circulator can promise energy savings of 75% or more compared to fixed speed circulators, and can also eliminate the need for pressure bypass valves.

ENERGY SAVING WATER PRODUCTS

- Each item takes only minutes to install, but your energy savings can be measured for years to come – the shower head alone can save 40% more water and energy than a standard shower head.
- Visit energywisemnstore.com to see all the energy saving water products available.



ELECTRIC THERMAL STORAGE (ETS) WATER HEATING

- Enjoy all the hot water you and your family need for up to 50% less of what it's costing you today.
- Your local cooperative provides both a water heater rebate and a special, off-peak rate.
- You must install a new, high efficient electric water heater (80 gallons or greater) with an energy factor of .90 or higher and enroll in the ETS water heating program to receive the rebate and off-peak rate.

HEAT PUMP WATER HEATERS (HPWH)

- New ENERGY STAR® certified heat pump water heaters can save up to \$3,500 in energy costs over its lifetime.
- HPWHs are more efficient than conventional storage water heaters because they use the ambient air surrounding the unit, rather than generate their own heat, to heat the water.

INTERRUPTIBLE WATER HEATING

- When electricity demand is high, your local cooperative seeks opportunities to reduce their need for electricity. Your electric water heater can provide your cooperative an opportunity to temporarily interrupt electricity to your water heater, while still providing hot water to meet all your needs, and also keep rates low.
- You must install a new, high efficient electric water heater (50 gallons or greater) and enroll in the interruptible program.



According to the United States Department of Energy, water heating can account for 14-25% of the energy consumed in your home.