



Brown County Rural Electrical Association

24386 State Hwy. 4
PO Box 529
Sleepy Eye, MN 56085

Electric Thermal Storage (ETS) Water Heating

An ETS water heating system uses inexpensive off-peak electricity to “charge” a water heater with sufficient storage capacity to supply your hot water needs while the electricity is interrupted during the on-peak hours the following day. It can be applied to an existing water heater with an energy factor of .90 or greater and storage capacity of 80 gallons or more. Members who install a large capacity water heater and place in on ETS strategy will receive a \$250 rebate, bringing the cost down to \$250, which includes the load management receiver. Installation includes plumbing to connect to the existing water heater inlet and outlet, and electric connection to the water heater from the disconnect switch. The water heater disconnect switch shall be supplied and installed by the member. The load control device and associated wiring is supplied by BCREA. A contract is required which states that the water heater will remain in use on the system and under control for a period of at least ten years.

Water heaters are recharged for eight hours each day, typically between 11:00 p.m. and 6:00 a.m. on weekdays. ETS water heaters are not controlled on weekends and holidays except when potential billing peaks occur on those days and other load control is scheduled.