



Village of Penn Yan Municipal Utilities Board

WATER HEATER LOAD CONTROL PROGRAM

Receive a new 50 gallon electric water heater—at no cost to you—by participating in a Penn Yan load control study.

The Village of Penn Yan Municipal Utilities Board is participating in an Electric Water Heater Control Program in an effort to understand how the ability to control larger electric loads, like electric water heaters, may provide future benefits to our electric system and to our customers.

The Program is seeking 10 participants who will each receive a new 50-gallon AO Smith electric water heater, equipped with a load control module, installed at no cost to them. Participation will be limited to 10 residents who meet 100% of the criteria identified on the back of this sheet. Participants will be chosen by lottery. If interested in participating, please fill out the post card enclosed with your bill or available for pick up at the Village Office. Completed cards should be returned to the Village Office by October 30, 2020 at P.O. Box 426, 111 Elm Street Penn Yan, NY 14527.

Why are we doing this? To serve you better. Lowering energy use during peak demand periods helps us to keep electric costs low, improve grid reliability, and reduce impacts to our environment. The Penn Yan Municipal Utilities Board is proud to conduct this research with support from its sponsors and we look forward to the results of this study.



SkyCentrics communication module installed on tank by program contractor



AO Smith Model EGT-50 Tank Specifications

- Residential 50-gallon electric resistive
- Energy efficient with eco-friendly, non-CFC foam insulation with a uniform energy factor of 93%
- 60.5" in height, 22.5" wide

The Penn Yan Municipal Utilities Board is working with sponsors including Electric Power Research Institute (EPRI), New York State Electric Research and Development Authority (NYSERDA), the New York Power Authority (NYPA) and the Independent Energy Efficiency Program (IEEP).



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Program participants must:

- Be the homeowner and a residential electric customer, in good standing, of the Village of Penn Yan Municipal Utilities Board.
- Have a connected and functioning *electric* water heater with a storage capacity of 50 gallons or less with adequate power supply in existence.
- Agree to provide a continuous internet connection via the participant's existing Wi-Fi connection throughout the Program's evaluation period through December of 2021.
- Understand that data regarding the water heater's operation will be collected and used for evaluation purposes only intended for future program development. The customer will grant the Program the right to compile, use, reproduce, disclose and disseminate anonymous, aggregated data such that no information will directly identify an individual customer's information. Participants may be asked to share basic information regarding hot water usage such as number of occupants, number of average laundry loads per week, etc., for evaluation purposes.
- Understand and agree that the Program may occasionally cycle the water heater off during high electric demand use periods anticipated to be 2-4 hours per event. In most cases, the 50-gallon reserve capacity of the water heater will be adequate to supply hot water without inconvenience to the customer.
- Agree to accept a *no-cost installation* by the Program's selected installation vendor who will follow COVID-19 social distancing protocol. The water heater comes with a 6-year manufacturer warranty. Do-it-yourself installation or installation by other vendors will not be accepted.
- Have safe and easy access to the existing water heater for the installation vendor. Existing hot water systems must be functioning properly and be free of leaks, including piping to and from the existing tank. Tanks must not be located in closets or cramped locations. Tanks located in basements must have a minimum ceiling height of 7 feet and basements must not have standing water consistently throughout the year.
- Agree that the Program's installation vendor will take responsibility for removal and disposal of the customer's existing water heater at the time of installation. Upon completion of the evaluation period, the new tank provided will remain with the customer. Its future use, operation, maintenance and disposal will be the sole responsibility of the customer.
- Have a responsible adult, preferably the homeowner, available during the scheduled installation to review the operation and program guidelines and to provide wireless router login access—including inputting of a Wi-Fi password, if any.
- Agree to a possible inspection by the Program at a mutually convenient time to ensure that quality assurance protocols are being met, or if necessary, provide access to the unit in the future for modification if required.
- Sign the Program's "Customer Participation Agreement" prior to the installation.

