



Energy Efficiency
PROGRAM

Guidance for Heat Pump Water Heaters

Heat pump water heaters are an excellent, energy-efficient solution that can deliver real savings and performance benefits for your customers. Getting the most out of each installation begins with the correct approach:

- Selecting the correct unit size. (upsizing may be appropriate depending on household hot water usage)
- Accounting for available space and air volume.
- Evaluating whether additional components such as mixing valves or backflow prevention valves are needed.
- Insulate accessible hot and cold water piping after installation; reuse existing insulation where possible.
- Ensuring electrical requirements are met.
- Confirm adequate condensate drainage and pump requirements where applicable.
- Guiding customers on best practices for operating the system.

The links below from the U.S. Department of Energy provide helpful resources and best practices for heat pump water heaters to help you serve your customers.

Heat Pump Water Heater Decision Guide

[<https://bsesc.energy.gov/training-modules/heat-pump-water-heater-decision-guidance>]

Heat Pump Water Heater Installation Guide

[<https://bsesc.energy.gov/training-modules/heat-pump-water-heater-installation>]

The Department of Energy Water Heater Selection Tool is recommended to support proper sizing and installation decisions. [https://basc.pnnl.gov/hpwh_installation_tool]

Questions? Please reach out to your [Field Energy Specialist](#).