

HG&E Whole-Home Air-Source Heat Pump Program

Air Source Heat Pump (ASHP) System & Installer Requirements

1. Each ASHP Unit Must:

- Be on the NEEP Cold Climate Air Source Heat Pump List
- Have an active AHRI certificate
- Non-ducted (Ductless)*: SEER2 \geq 16, EER2 \geq 9, HSPF2 \geq 9.5, COP at 5°F \geq 1.75
- Ducted, or mix of ducted and ductless**: SEER2 \geq 15.2, EER2 \geq 10, HSPF2 (Region IV) \geq 8.1, COP at 5°F \geq 1.75
- HCR \geq 70% @ at 5°F/47°F (rated capacity) or \geq 58% @ at 17°F/47°F (rated capacity)

2. The Entire ASHP System Must:

• ASHP system (including any electric resistance elements) must be sized to provide 100%-120% of heating load within the entire conditioned/living space at the installation address.

*Exceptions may be made on a case-by-case basis for systems that are sized for >120% of the building heating load, pending additional justification/explanation from the installer. However, rebate is capped at 120% of the building heating load.

*Single-head systems: May be rounded up to the next available size due to product availability.

- ASHP system must be sized via ASHP maximum capacity at 0 degrees F if available. If not available, must be sized via maximum capacity at 5 degrees F.
- Be sized via a room-by-room Manual J heat load calculation (Manual J design temperature of 0 degrees F). (If pre-existing duct system will be maintained, block load Manual J may be used.
- Electric resistance heating (baseboard) limited to no more than three 500 watt heaters to be used in spaces with no other heat source. (Exceptions may be made on a case-by-case basis).

3. ASHP Installer Must:

- Be licensed in Massachusetts with manufacturer's certificate of training within past 5 years
- Complete and submit a post-installation form to HG&E after the project is complete
- Note: Installers are recommended to install ASHP system based on NEEP's Cold-Climate Installation Guidelines, which include ensuring any outdoor units have adequate clearance above historical average maximum snow depth.

4. Quote or Other Documentation from Installer Must Contain:

- AHRI # for each unit being installed
- Size of any electric resistance or strip heat that will be installed

5. Gas Conversion Projects Only:

- If a gas heating system is being decommissioned (i.e. the gas heating connection pipe is cut and capped), the connection must be cut and capped by a Massachusetts licensed gas plumber, and the plumber must have valid gas permit for the project.

More information about this program is
available at www.hged.com/wholehome