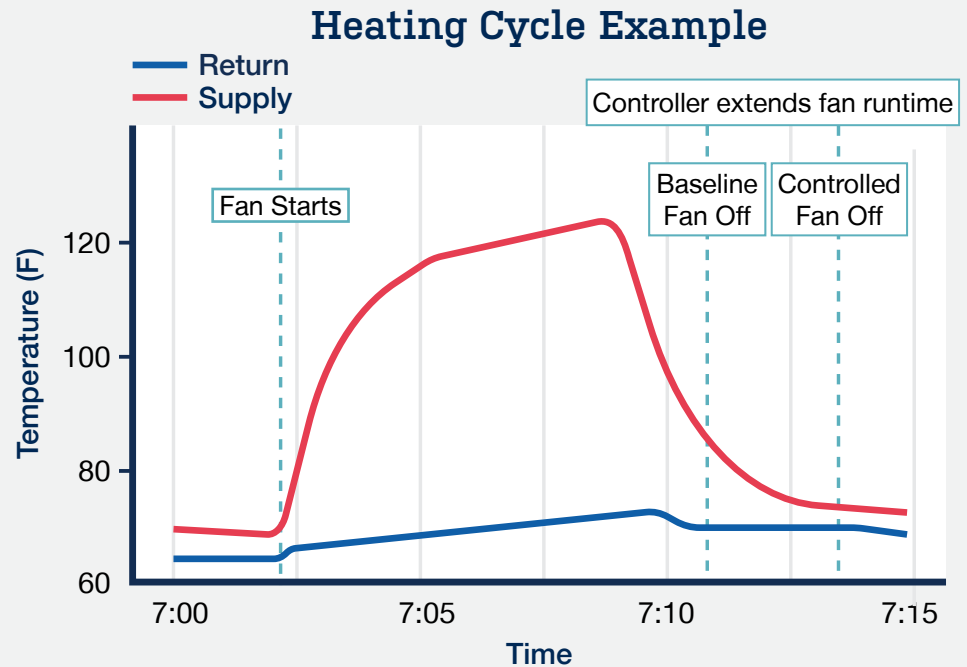
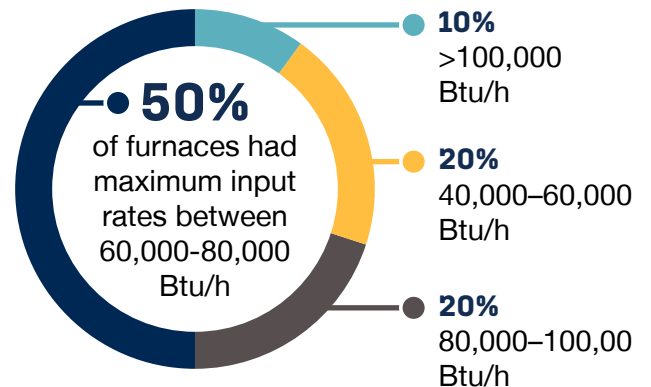
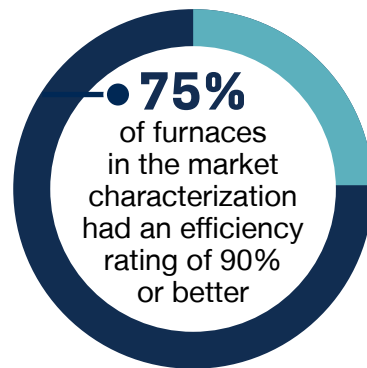


Advanced Controls for Residential Heating Ventilation and Air Conditioning (HVAC) Fan

The advanced fan controller lengthens the fan-off delay, or the amount of time the air handler fan continues to operate following a cooling or heating cycle. The device is **intended to reduce overall HVAC energy consumption** by using the fan to deliver additional heating or cooling capacity relative to the system's baseline operation.



A market characterization of **124 homes** was conducted including this project and previous projects.



Data was collected and analyzed from **20 homes**.

The field evaluation showed that for 14 of 20 sites, there was no significant difference in annual gas use associated with the fan controller. For the other sites, three had increased gas use and three had decreased gas use.

These results emphasize that any effect the fan controller has on gas use is small relative to other sources of uncertainty.