

# HOT WATER SUPPLY TEMPERATURE RESET

No/Low Cost Opportunity



## OVERVIEW

As temperatures increase and demands for space heating in a building decrease, it is possible to save energy by reducing the temperature of the water supplied by the hydronic boilers. This ensures only the necessary amount of heating is available for interior space temperatures to be satisfied. For condensing boilers, this reset can achieve hot water temperatures as low as 120°F, which is often satisfactory for heating on a mild day.

## CONSIDERATIONS

- Not applicable for steam boiler plants.
- Will result in a slight electric pumping energy penalty.
- Boilers must be of a condensing technology to avoid equipment degradation.
- Requires direct digital control (DDC) building automation to calculate system demand and adjust accordingly.

## KEY PERFORMANCE INDICATORS (KPIs)

- **1-2 point energy use intensity (EUI) reduction potential**
- **1-3% sitewide natural gas savings**
- **<1 year simple payback**