

# CHILLED WATER SUPPLY TEMPERATURE RESET

No/Low Cost Opportunity



## OVERVIEW

A chilled water temperature reset is an electric saving sequence that allows the building chillers to modulate their temperature setpoint during low load conditions. Chillers typically operate more efficiently when producing warmer chilled water. A typical reset strategy analyzes zone demand or outside air temperature and resets linearly between 45°F and 55°F.

## CONSIDERATIONS

- Most impactful in comfort cooling scenarios, or process cooling that has a variable load.
- Chillers must be capable of resetting their evaporator leaving temperature.
- Less viable for process or data loads that do not vary substantially.
- Will result in a small pump energy penalty when implemented.

## KEY PERFORMANCE INDICATORS (KPIs)

- **0.5-2 point energy use intensity (EUI) reduction potential**
- **Up to 2% chiller savings per 1°F of chilled water temperature increase**
- **<1 year simple payback**