

SUPPLY AIR TEMPERATURE RESET

No/Low Cost Opportunity



OVERVIEW

Excess energy is often spent to reheat supply air that has been overcooled by the central air handling unit. Increasing the temperature setpoint of the supply air can often mitigate this simultaneous heating and cooling. A typical reset range can be 55°F to 65°F and can reset based on outside air, zone demand, or a combination of both.

CONSIDERATIONS

- Must be a variable volume system with variable speed supply fans.
- Must have direct digital control (DDC) building automation for the airside equipment.
- Can be programmed based on number of downstream variable air volume (VAV) boxes requesting cooling.

KEY PERFORMANCE INDICATORS (KPIs)

- ▶ **2-5 point energy use intensity (EUI) reduction potential**
- ▶ **2-4% sitewide natural gas or electric energy savings**
- ▶ **<1 year simple payback**