

SCHEDULING, SETBACKS, & AIR CHANGE REDUCTION

No/Low Cost Opportunity



OVERVIEW

There is often a substantial amount of energy savings associated with temperature setbacks, equipment scheduling, and/or a reduction in air changes within a space. These sequences can include scheduling equipment off, increasing the differential between occupied and unoccupied heating and cooling setpoints, or reducing the amount of outside air introduced to the space during occupied periods. For spaces that have varying levels of occupancy but require positive pressurization, a reduction in air changes may be applicable, while still maintaining temperature and humidity setpoints (i.e. operating rooms). On the other hand, office spaces that have regular occupancy intervals, yet no specific humidification needs, may be eligible for scheduling and temperature setbacks.

CONSIDERATIONS

- Requires direct digital control (DDC) building automation.
- Must ensure conformance to building codes and standards.
- Includes a list of non-energy benefits, including reduced operations and maintenance costs and increased equipment service life.

KEY PERFORMANCE INDICATORS (KPIs)

- **5-20 point energy use intensity (EUI) reduction potential** *depending on percent of floor area impacted*
- **5-10% sitewide electric and natural gas savings**
- **<1 year simple payback**