

AIRSIDE ECONOMIZATION

FREE COOLING

No/Low Cost Opportunity



OVERVIEW

Excess energy is often spent running chilled water systems when outside air conditions are adequate for cooling spaces. Similarly, if a car or house is warm in the winter, cracking a window is easier and more efficient than running air conditioning.

CONSIDERATIONS

- Can be programmed to serve facilities with humidification requirements.
- Requires sensor calibration and potential freeze protection sequencing.
- Can be controlled by damper position or airflow stations.

KEY PERFORMANCE INDICATORS (KPIs)

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