

Top Energy & Demand Saving Opportunities: Education (K-12)

Category	Action Item	Potential Low-Cost/ No Cost	Potential Cost Effective Retrofits or Upgrades at Replacement	Potential Cost Effective New Construction Concepts
Envelope	Passive solar design (shading, orientation)			✓
	Reflective roofing		✓	✓
	Vestibules			✓
	High performance glazing to eliminate perimeter heat			✓
Lighting	Reduce light levels if over-lit		✓	✓
	Daylight harvesting			✓
	T-8 fluorescent instead of T-12		✓	✓
HVAC	Variable volume air systems			✓
	Dedicated outside air system			✓
	Outdoor economizer cycle		✓	✓
	Outside air heat recovery from exhaust		✓	✓
	Demand-controlled ventilation		✓	✓
	Ground source heat pumps			✓
	Evaporative cooling		✓	✓
	Programmable thermostat: 70-78 degrees occupied/ 60-85 degrees unoccupied	✓	✓	✓
	High-efficiency, rooftop A/C, EER-13		✓	✓
	Evaporative pre-cooling for rooftop A/C 50 tons+ in size		✓	✓
	Clean A/C condenser and evaporator coil fins annually	✓		
	Use high quality filters; replace often to keep coils clean	✓		
Central Cooling	Evaporative pre-cooling for air-cooled chillers		✓	✓
	Clean condenser tubes annually	✓		
Central Heating	Hot water reset from outside air temperature	✓	✓	✓
	Modular boilers for reduced standby losses		✓	✓
	Separate space heating and domestic water heating equipment		✓	✓

This list is considered representative of typical segment business use, but is not all inclusive and does not replace a formal energy audit. Energy savings are not guaranteed. For additional information, contact Colorado Springs Utilities at 448-4800 or your Account Manager. This information is provided in good faith, for use by the customer in conjunction with a qualified engineer or contractor.