

# Top Energy & Demand Saving Opportunities: Lodging

Category	Action Item	Potential Low-Cost/ No Cost	Potential Cost Effective Retrofits or Upgrades at Replacement	Potential Cost Effective New Construction Concepts
Envelope	Minimum R-30 roof insulation and R-19 wall insulation in guest room areas			✓
	High performance glazing to eliminate perimeter heat			✓
Lighting	Compact fluorescent instead of incandescent bulbs	✓	✓	✓
HVAC	Ground source heat pumps			✓
	No-leak-by control valves for individual room hydronic heating/cooling systems		✓	✓
	Clean A/C condenser and evaporator coil fins annually	✓		
	Use high quality filters; replace often to keep coils clean	✓		
Central Cooling	Up-size cooling towers to reduce central chiller kW		✓	✓
	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		✓	✓
Domestic Hot Water	Low-flow fixtures and showers	✓	✓	✓
	Reduced volume bath tubs		✓	✓
	Low-volume clothes washing machines		✓	✓
	Condensing 90+ efficient gas water heater		✓	✓
Pool	Covers to control evaporation		✓	✓
	Low water-to-air differential to control evaporation	✓	✓	✓
	Outside air exchange for humidity control			✓

(addresses residential areas)

*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.*