C1 Energy Management Controls Requirements

1. Eligible equipment must incorporate specific control strategies to provide energy savings for heating, ventilation and air conditioning (HVAC) systems consisting of the following:

- Packaged rooftop units/split systems
- Packaged rooftop heat pump units
- Package variable air volume (VAV) units
- VAV units with chilled water coils
- Packaged variable volume and temperature (VVT) units
- Packaged VVT unit heat pumps
- Water-source heat pump
- Ground-source heat pumps
- Chilled water coils without VAV units

Note: *Evaporative cooling equipment is not eligible for this incentive.*

2. The incentive amount is based on the amount of controlled tons of cooling and the number of implemented control strategies. Equipment optimization, retro commissioning and commissioning are not eligible for this incentive.

- One strategy = $60 per ton of controlled cooling*
- Two strategies = $80 per ton of controlled cooling
- Three strategies = $100 per ton of controlled cooling
- Four strategies = $120 per ton of controlled cooling

*Available in Idaho only.

Eligible Strategies (unless already required by code)

- **Optimum start and optimum stop:** The optimum start strategy will restrict unit heating and cooling start times to startup as late as possible to still reach the desired temperature at the specified timeframe. The optimum stop strategy with shut off mechanical heating and cooling before the scheduled unoccupied periods based on internal thermal loads and outside air temperatures. Optimum stop strategy will allow the fan and outdoor air damper to remain open for building ventilation.
- **Demand control ventilation (DCV):** The minimum outside air fraction is varied based on a DCV sensor
- **Supply air temperature reset:** The air temperature leaving the system cooling coil is adjusted based on outdoor or zone return air temperature.
- **Chiller water reset:** The supply chilled water temperature can rise during low loads. This measure is only eligible on hydronic systems less than 500,000 Btu/h in design output capacity.