

PSO Prescriptive Rebates – HVAC Controls & VFDs Technical Requirements

Application Requirements

- A rebate application must be submitted for pre-approval before purchasing and installing equipment, when the project includes the installation of:
 - Networked HVAC Controls installing 17 thermostats or zone sensors or more.
 - HVAC Variable Frequency Drives (VFDs) that control a combined total of 60 HP or more.
- For projects that do not require pre-approval, a rebate application must be submitted within 60 days of the invoice date.

Required Documentation:

- Customer signed Terms and Conditions
- Spec sheets of new equipment
- Quote of total project cost (if pre-approval is required)
- Itemized invoice, upon project completion

Submit the rebate application online: www.psobusinessrebates.com

Hotel Room HVAC Controls

- This upgrade applies to retrofit projects only at lodging businesses with individual controls connected to Packaged Terminal Air Conditioners and Heat Pumps (PTACs & PTHPs).
- The occupancy-based PTAC/PTHP controllers must be a combination of a control unit and occupancy sensor that operates in conjunction with each other to provide occupancy-controlled heating and/or cooling.
- The controls must be configured with a 5 or 10°F temperature set back.
- If the controls are networked to a single controller, please apply for rebates as a “custom” upgrade.

Hotel Room HVAC Controls	
Setback Temperature	Rebate/Room
5 Degrees	\$60
10 Degrees	\$80

Networked HVAC Controls

- This upgrade applies to the retrofit only installation of networked HVAC controls connected to unitary HVAC equipment (packaged, split, or rooftop units, excluding chillers and boilers) at small to mid-sized businesses and does not apply to new construction applications.
- Networked HVAC controls refer to systems software and hardware that manage HVAC equipment through interconnected controllers, thermostats, and other sensors. The interconnected equipment can communicate with each other from a host computer, HMI terminal or web-enabled applications or devices.
- At minimum, the system must include:
 - Monitoring software and a user interface that connects to all zoned thermostats, optimizing HVAC operation through advanced scheduling of set points, setbacks, occupancy schedules, and/or time-restricted overrides.
 - At least one centralized control unit networked to at least one thermostat or zone sensor.
- For new construction projects or Building Automation Systems (BAS) that control more than the requirements listed above, please submit a custom Energy Management System/Building Automation Controls application.

Upgrade	Rebate
Networked HVAC Controls	\$250 per Thermostat and \$250 per Zone Sensor

For more information, visit PowerForwardWithPSO.com, or call 888.776.1366.

HVAC Variable Frequency Drives (VFDs)

- This upgrade applies to the retrofit only installation of new VFDs on existing HVAC equipment only and does not apply to new HVAC units with factory installed VFDs, replacement of failed VFDS, or used or refurbished equipment.
- The fan (pump) speed must be controlled to maintain the desired system pressure.
- The application must have a load that varies and proper controls (i.e., two-way valves, variable air volume boxes) must be installed.

HVAC VFD Installation Type	HP of Motor/Pump	Rebate
Building Exhaust Fan	2 or smaller	\$300
	3	\$400
	4	\$500
Make-up Air Fan	5	\$650
	7.5	\$1,000
HVAC Return Air Fan	10	\$1,300
	15	\$1,400
Heat Water Pump	20	\$1,850
	25	\$2,400
Cooling Tower Fan	30	\$2,800
	40	\$3,700
HVAC Supply Air Fan	50	\$4,600
	60	\$5,500
Chilled/Condenser Water Pump	75	\$7,000
	Over 100	\$90/HP
Water Source Heat Pump Circulator Loop	Over 200	Requires Custom Application