

UPDATED FOR 2018



FOR COMMERCIAL AND INDUSTRIAL ENERGY EFFICIENCY

ENERGY EFFICIENCY BENEFITS EVERYONE

Energy efficiency is good for your business because it reduces your operating costs. Energy efficiency benefits all our customers because it helps defer the need to acquire other more costly resources to meet the demand on the electrical system. | Efficient energy preserves resources, which ultimately benefits everyone. Idaho Power offers a wide range of energy efficiency programs designed for our commercial/industrial, agricultural and residential customers.

**NEW CONSTRUCTION
AND MAJOR RENOVATIONS**

 **IDAHO POWER**[®]
An IDACORP Company

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INCENTIVES FOR NEW CONSTRUCTION AND MAJOR RENOVATION PROJECTS

Lighting

L1. Interior Light Load Reduction

Incentives are available for lighting systems that are designed and installed to be at least 10 percent more efficient than code requires. Incentives are \$0.10 per square foot of the area served by lighting when the installed wattage is 10–19.9 percent below code, \$0.20 per square foot of the area served by lighting when the installed wattage is 20–29.9 percent below code and \$0.30 per square foot of the area served by lighting when the installed wattage is 30 percent or greater below code. For lighting systems that are at least 60 percent below code and/or have high operating hours, a non-standard incentive may be available. LEDs must be on one of the following qualified product lists (QPLs): DLC, LDL or ENERGY STAR® (exceptions are granted if an architect or engineer specified the product and completed COMcheck, or if there is not a QPL category for proposed product).*

L2. Exterior Light Load Reduction

Exterior lighting systems that are designed and installed to be at least 15 percent more efficient than code requires can earn \$200 for each kilowatt (kW) below code. LEDs must be on one of the following qualified product lists (QPLs): DLC, LDL or ENERGY STAR (exceptions are granted if an architect or engineer specified the product and completed COMcheck, or if there is not a QPL category for proposed product).*

L3. Daylight Photo Controls

Lighting systems designed to operate with daylight photo controls can earn \$0.25 per square foot of daylit space. Daylighting plans must be analyzed or reviewed by the **Integrated Design Lab (IDL) free of charge in order to qualify.****

L4. Occupancy Sensors

Wall or ceiling mounted occupancy sensor controls installed in spaces where they are not required by code can earn an incentive of \$25 per sensor.

L5. High Efficiency Exit Signs

Exit signs that draw less than two watts per sign face can qualify for an incentive of \$7.50 per sign.

Air Conditioning (HVAC)

A1. Efficient Air-Cooled AC and HP Units

To qualify for an incentive of \$30 per ton of cooling capacity, air-cooled air conditioning (AC) and heat pump (HP) units must be 0–5 tons and meet the current CEE Tier 1 efficiency requirements. To qualify for an incentive of \$75 per ton of cooling capacity, air-cooled AC and HP units must be 0–5 tons and meet the current **CEE Tier 2 efficiency requirements.***

A2. Efficient VRF Units

To qualify for an incentive of \$75 per ton of cooling capacity, variable refrigerant flow units must be 0–64 tons and meet the **current CEE Tier 1 efficiency requirements.** To qualify for an incentive of \$100 per ton of cooling capacity, variable refrigerant flow units must be 0–5 ton and meet the current **Tier 2 efficiency requirements.***

A3. Efficient Chillers

An incentive of \$40 per ton of qualifying cooling capacity is available for efficient water-cooled chillers and an incentive of \$80 per ton of qualifying cooling capacity is available for efficient air-cooled chillers. To qualify, units must meet the efficiency requirements indicated in **A3 Chiller Efficiency Requirements & Incentive Level.***

A4. Air Side Economizers

For AC units with a cooling capacity of four and a half tons or less, the addition of an outside air economizer — coupled with a commercial grade, two-stage thermostat — can earn an incentive of \$75 per ton.

A5. Direct Evaporative Coolers

An incentive of \$200 per ton is available for the installation of a direct evaporative cooling system instead of a direct expansion (DX) system of equivalent size (or greater). Evaporatively pre-cooled DX systems do not qualify.

A6. High Volume Low Speed Fan

An incentive of \$2,000 per fan is available for the installation of a high-volume low-speed fan (HVLS) for air circulation in high ceiling spaces in conditioned and unconditioned spaces.

Building Shell

B1. Reflective Roof Treatment

Roof treatments with a total initial solar reflectivity of at least 0.70 and an emissivity of 0.75 or more qualify for an incentive of \$0.05 per square foot of flat or slightly sloped roof area where the product or coating is applied on buildings with central mechanical AC systems. Roofs pitched more than 2 in 12 are not eligible for this incentive.

Controls

C1. Energy Management Control System

An incentive is available for energy management systems that incorporate energy savings strategies for HVAC systems based on the tons of cooling controlled.

- 1 strategy..... \$60 per ton
- 2 strategies..... \$70 per ton
- 3 strategies..... \$80 per ton
- 4 strategies..... \$90 per ton

Detailed control strategy documentation must be submitted to verify system requirements are met per the C1 Energy Management Controls Requirements.*

C2. Guest Room Energy Management System

An incentive of \$50 per unit is available for eligible systems that are electrically heated and cooled and include occupancy-based thermostatic set-back controls that control the HVAC unit. Units can be centralized or locally controlled and must set-back room space temperatures by a minimum of 8° Fahrenheit (F) when the room is unoccupied. Temperature set-back must occur within 30 minutes after the room is determined unoccupied. Eligible control systems include thermostat based controls, room key-card controls and system check-in/check-out controls.

C3. HVAC Variable Speed Drives

An incentive of \$60 per horsepower (hp) is available for variable-speed drives (VSD) on HVAC motors operating chilled water pumps, condenser water pumps and cooling tower fans. An incentive of \$100 per hp is available for VSDs on HVAC motors operating supply, return fans, outside air fans, make-up air fans and hot water pumps. The motors must be variably loaded electric motors, 5 hp and larger, that operate at least 2,000 hours per year and are not required by code. Systems of motors which are individually less than 5 hp are eligible provided that: 1) they are controlled by a

*Specifications and requirements can be found at idahopower.com/newconstruction

**University of Idaho IDL can be contacted by phone at 208-429-0220 or by email at idl@uidaho.edu

common VSD, and 2) the aggregate horsepower of motors controlled by a single VSD is greater than 5 hp. The VSD must be installed in accordance with IEEE Standard 519 and Idaho Power Rule K requirements.

C4. Kitchen Hood Variable Speed Drives

An incentive of \$200 per hp is available for VSDs installed on makeup and/or exhaust motors on commercial kitchen hoods. The hood's control system must sense cooking conditions that allows the system to automatically vary the rate of the exhaust and fan speed accordingly. The VSDs must be on variably loaded motors and must be installed in accordance with IEEE Standard 519 and Idaho Power Rule K requirements.

C5. Onion/Potato Shed Ventilation Variable Speed Drives

An incentive of \$200 per hp is available for VSDs installed on ventilation motors. The VSDs must be on variably loaded motors and installed in accordance with IEEE Standard 519 and Idaho Power Rule K requirements.

C6. Dairy Vacuum Pump Variable Speed Drives

An incentive of \$250 per hp is available for VSDs installed on vacuum pump motors. The VSDs must be on variably loaded motors and installed in accordance with IEEE Standard 519 and Idaho Power Rule K requirements.

C7. Wall or Engine Block Heater Controls

An incentive of \$50 per unit for wall block mounted controls that provide a 2-hour delay when first plugged in and will turn on only when outside air drops below a certain threshold. An incentive of \$100 per unit for engine mounted controls that cycle the heater based on engine temperature.

Appliances with Electric Water Heating

W1. Efficient Laundry Machines

An incentive of \$125 per unit is available for clothes washers that are ENERGY STAR certified or more efficient in commercial applications that have both electric water heating and electric dryers. A modified energy factor (MEF) greater than or equal to 2.2 ft cubed per kWh per cycle and a water factor (WF) equal to or less than 4.5 gal per ft cubed per cycle are required. Hard mounted machines do not qualify.

D1. ENERGY STAR

Undercounter Dishwashers

An incentive of \$200 per unit is available for undercounter dishwashers that are ENERGY STAR certified or more efficient. Dishwashers installed in buildings using gas hot-water heating are only eligible if the dishwasher uses electric booster water heating. Must operate at least 12 hours a day.

D2. ENERGY STAR

Commercial Dishwashers

An incentive of \$500 per unit is available for doored, single- or multi-tank conveyor style dishwashers in fast food, pizza, full-service restaurants or cafeterias that are ENERGY STAR certified or more efficient. Dishwashers installed in buildings using gas hot water heating are only eligible if the dishwasher utilizes electric booster water heating. Must operate at least 12 hours per day.

Refrigeration

Commercial systems only — ammonia systems do not qualify for prescriptive offering R1, R2 & R3, but may qualify as a custom project.

R1. Head Pressure Controls

An incentive of \$40 per compressor hp is available for refrigeration systems with head pressure controls.

R2. Floating Suction Controls

An incentive of \$10 per compressor hp is available for refrigeration systems with floating suction controls.

R3. Efficient Condensers

An incentive of \$20 per ton of refrigeration is available for efficient condensers. Efficient condensers must have head pressure controls, stage or variable speed drive controlled fans, and must operate with sub cooling of 5° F or more at design conditions. Condensers must have a temperature difference (TD) of 8° F or less for low-temp systems, 13° or less for med-temp systems and 18° F or less for evaporative condensers.

R4. Refrigerator and Freezer Strip Curtains

An incentive of \$150 per curtain door is available for walk-in refrigerators or freezers with strip curtain added to an unobstructed door opening.

R5. Automatic High Speed Doors

An incentive of \$4,000 per door opening is available for automatic control to open and close doors between a freezer and refrigerated space. An incentive of \$8,000 per door opening is available for automatic control to open and close doors between a freezer and unrefrigerated dock space.

Office Equipment

P1. Smart Power Strips

An incentive of \$10 per power strip is available for devices that sense load or motion and automatically shut down the strip when not in use.

Compressed Air Equipment

CA1. Air Compressor VSDs

An incentive of \$150 per hp is available for installing a VSD on the air compressor motor to vary the speed based on actual demand.

CA2. No Loss Condensate Drain

An incentive of \$300 per unit is available for installing a no-loss condensate drain that monitors the amount of condensate present and exhausts only the condensate without wasting compressed air.*

CA3. Low Pressure Drop Filter

An incentive of \$7.50 per hp is available for installing a low-pressure air filter that has a pressure drop between 1 and 3 psi.

CA4. Cycling Refrigerated Compressed Air Dryer

An incentive of \$2 per CFM is available for installing an efficient refrigerated compressed air dryer that cycles on and off based on the need during part load demand.

CA5. Efficient Compressed Air Nozzle

An incentive of \$30 per unit for nozzles less than or equal to ¼" and \$60 per unit for nozzles greater than 1/4" is available when installing an efficient air nozzle that reduces the amount of air compared to a standard nozzle but produces the same performance.

Custom Projects

Other measures not on this list may qualify for a custom incentive of \$0.18 per kWh saved up to 70 percent of the incremental cost. Analysis assistance may be available.

Professional Assistance Incentive

An incentive is available for the third-party architect or engineer who supports the participant with the technical aspects of the project and required supporting documentation necessary to complete the incentive process. The professional is eligible for an incentive equal to 10 percent of the participants total incentive up to a maximum amount of \$2,500.

To learn more about this incentive program, go to idahopower.com/newconstruction.

Working with You

Idaho Power's New Construction and Major Renovations for Commercial and Industrial Construction program has been enhanced to provide clear, easily understood incentives for energy-saving features that exceed code. The menu of incentives includes measures for energy-saving lighting, cooling, building shell equipment and controls designed and built into commercial and industrial construction projects.

We proudly offer these incentives along with other programs for our commercial and industrial customers. Our incentive programs are designed to help you enhance your energy efficiency and boost the bottom line. With these incentives, the economics of an energy-saving project can have a significantly higher return on investment.

Eligibility

The New Construction program is open, for significant construction projects, to all commercial and industrial customers. New buildings, expansions and additions, major renovations or projects that involve professional design services and review by code authorities, can qualify for this incentive program. (A preliminary application is required prior to project completion. The final application must be submitted within 90 days after project completion.)

How to Participate

1. Assess your Design for Energy-saving Opportunities

Start early. Ensure that your design team members are committed to an energy efficient design and are aware of what they need to do to qualify for the incentives available.

2. Submit a Pre-application

This step is necessary before the project is completed. The process is easy and can be done early in the design phase. The form is available online at idahopower.com/newconstruction.

3. Complete Custom Projects Tab on Application

If you complete the Custom Projects tab on the application, an Idaho Power representative will follow up with the next step on your custom project.

4. Build the Energy Efficient Features into your Facility

5. Submit a Final Application with Supporting Material

Submit proof of performance and proof of purchase with your final application within 90 days after project completion. Those materials include plans, product specifications and copies of paid invoices. The form is available online at idahopower.com/newconstruction. Refer to the program's Terms and Conditions before submitting.

Resources

University of Idaho IDL Design Assistance

Daylighting design analysis and other design assistance from the Boise-based lab featuring graduate architectural and engineering students. idlboise.com

For More Program Information

- Call our Customer Care center at 208-388-2323 or toll-free at 1-800-488-6151 (outside the Treasure Valley).
- Email newconstruction@idahopower.com
- Visit idahopower.com/newconstruction

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