

EFFECTIVE JUNE 15, 2021



NEW CONSTRUCTION AND MAJOR RENOVATIONS

 IDAHO POWER®

COMMERCIAL AND INDUSTRIAL
ENERGY EFFICIENCY

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INCENTIVES FOR NEW CONSTRUCTION AND MAJOR RENOVATION PROJECTS



Idaho Power's New Construction and Major Renovations offering helps businesses save energy and money. Idaho Power provides cash incentives to businesses that design and build energy-saving features that exceed code into their new construction or major renovation project.

Lighting

L1. Interior Light Load Reduction

Incentives are available for lighting systems designed and installed to be at least 10% more efficient than code requires. Incentives include the following:

- \$0.10 per square foot (ft²) of the area served by lighting when the installed wattage is 10–19.9% below code
- \$0.20 per ft² of the area served by lighting when the installed wattage is 20–29.9% below code
- \$0.30 per ft² of the area served by lighting when the installed wattage is 30% or greater below code
- A non-standard incentive may be available for lighting systems at least 60% below code and/or have high operating hours

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% more efficient than code requires can earn \$200 for each kilowatt (kW) below code. LEDs must be on one of the following 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. Luminaire Level Lighting Controls (LLLC Networked)

An incentive of \$0.26 per kWh saved for interior lighting and \$0.20 per kWh saved for exterior lighting when installed with LLLC. Controls must be installed on new LED fixtures or LED Level 2 retrofit kits, individually addressed with a sensor on each fixture, and each fixture must have a minimum of two control strategies. One of the strategies must be a sensor-based strategy.

- 1) Sensor-based occupancy sensing (on/off and/or dimming)
- 2) Sensor-based daylight harvesting with continuous dimming.
- 3) High-end trim tuning (not applicable for exterior applications or interior applications for daylight harvesting)
- 4) Advanced scheduling/zoning tuning
- 5) Personal tuning with continuous dimming (interior only)

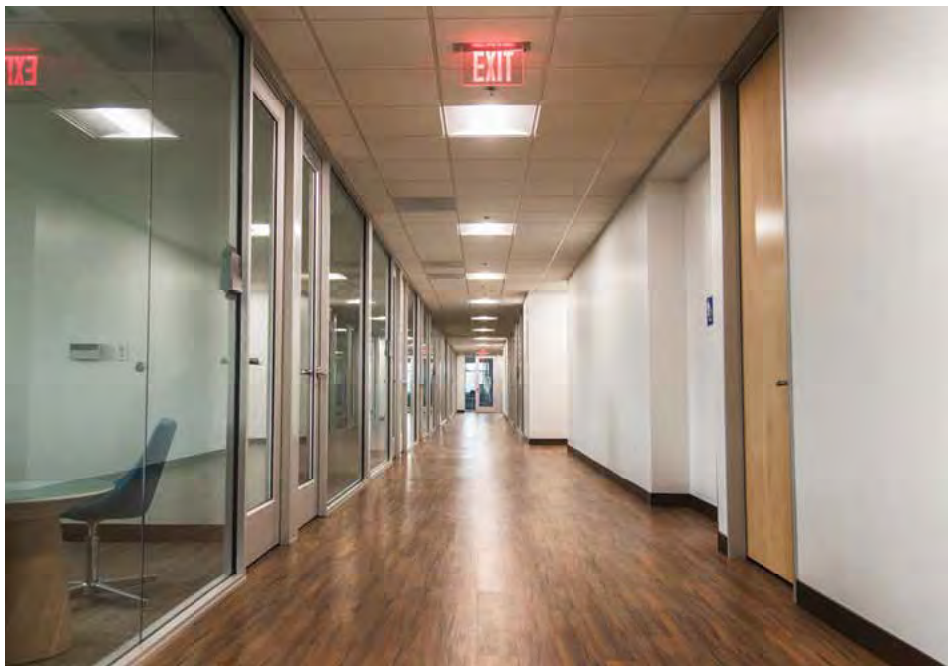
Review the L3 Efficiency Requirements 2021 available at idahopower.com/newconstruction.

L4. Occupancy Sensors*

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

L5. High Efficiency Exit Signs

Exit signs that draw less than 2 watts (W) per sign face can qualify for an incentive of \$7.50 per sign.



*Indicates the incentive is available in Idaho only. Visit idahopower.com/newconstruction to learn more.

Air Conditioning (HVAC)

A1. Efficient Air-cooled AC and Heat Pump (HP) Units

Incentives for units that meet Consortium for Energy Efficiency (CEE) Tier 1 efficiency:

- \$25 per ton of cooling capacity, for air-cooled AC units of any size*
- \$50 per ton of cooling capacity, for air-cooled HP units less than 64 tons
- \$40 per ton of cooling capacity, for water-cooled AC units of any size*
- \$100 per ton of cooling capacity, for water-cooled HP units 11 tons or less*

Incentives for units that meet CEE Tier 2 efficiency:

- \$50 per ton of cooling capacity, for air-cooled AC units of any size*
- \$70 per ton of cooling capacity, for air-cooled HP units 5 tons or less

Review the A1 A2 Efficiency Requirements 2021 available at idahopower.com/newconstruction.

A2. Efficient Variable Refrigerant Flow (VRF) Units

Incentives for units that meet CEE Tier 1 efficiency requirements:

- \$35 per ton of cooling capacity, for air-cooled VRF AC units of any size*
- \$50 per ton of cooling capacity, for air-cooled VRF HP units of any size
- \$100 per ton of cooling capacity, for water-cooled VRF HP units 11 tons or less*

Incentives for units that meet CEE Tier 2 efficiency requirements:

- \$55 per ton of cooling capacity, air-cooled VRF AC units 5 tons or less*
- \$85 per ton of cooling capacity, air-cooled VRF HP units 5 tons or less

Review the A1 A2 Efficiency Requirements 2021 available at idahopower.com/newconstruction.

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 the A3 Chiller Requirements 2021 document available at idahopower.com/newconstruction.

A4. Economizers

An incentive of \$75 per ton is available for the addition of an outdoor air-side economizer installed on AC units with a cooling capacity of 4.5 tons or less and coupled with a commercial grade, two-stage thermostat.

An incentive of \$50 per ton is available for water-side economizers on chilled-water systems with a separate cooling tower installed dedicated to providing free cooling to the chiller water plant equal or less than 1,320,000 Btu/h (110 tons) and district chilled-water systems equal or less than 1,720,000 Btu/h (143 tons).*

A5. Direct and Indirect Evaporative Coolers*

An incentive of \$200 per ton is available for the installation of a direct evaporative cooling system and \$130 per ton is available for the installation of an indirect evaporative cooling system used to supplant a direct expansion system of equivalent size (or greater). Evaporative pre-cooled direct expansion systems do not qualify.

A6. High-volume, Low-speed (HVLS) Fan

An incentive of \$2,000 per fan is available for the installation of a HVLS fan for air circulation in high-ceiling spaces in conditioned and unconditioned spaces. HVLS fans should be programmed to operate during business hours only (either turned off automatically or by a manual switch) and when needed for thermal comfort. Eligible equipment should follow AMCA 230-15 performance testing standards and meet the minimum energy efficiency (CFM/watt) requirement for large diameter ceiling fans set by Electronic Code of Federal Regulations (e-CFR) Part 430 C Energy and Water Conservation Standards.

A7. Evaporative Pre-Coolers on Air-cooled Condensers*

An incentive of \$30 per ton is available for the installation of an evaporative pre-cooler used to pre-cool ambient air before it reaches the air-cooled condenser for HVAC systems.

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 ft² 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.



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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: \$80 per ton
- 3 strategies: \$100 per ton
- 4 strategies: \$120 per ton

Detailed control strategy documentation must be submitted to verify system requirements are met per the C1 Energy Management Controls Requirements document available at idahopower.com/newconstruction.

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°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 (VSD)

An incentive of \$125 per horsepower (hp) is available for VSDs on HVAC motors operating chilled water pumps, condenser water pumps, cooling tower fans, supply fans, return fans, outside air fans, make-up air fans and hot water pumps. The motors must be variably loaded electric motors, less than 300 hp, that operate at least 2,000 hours per year and are not required by code. The VSD must be installed in accordance with IEEE Standard 519 and Idaho Power Rule K requirements.



C4. Kitchen Hood VSDs

An incentive of \$250 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, which 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 VSDs

An incentive of \$250 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 VSDs*

An incentive of \$170 per hp is available for VSDs installed on vacuum pump motors. Only primary pumps are eligible. Secondary, or backup units are not eligible. The VSDs must be on variably loaded motors and installed in accordance with IEEE Standard 519 and Idaho Power Rule K requirements.

C7. Dairy Milk Transfer Pump VSDs

An incentive of \$1,500 per unit is available for VSDs installed on milk transfer pump motors. Only primary pumps are eligible. Secondary, or backup units are not eligible. The VSDs must be on variably loaded motors and installed in accordance with IEEE Standard 519 and Idaho Power Rule K requirements.



Appliances and Equipment

W1. Efficient Laundry Machines

An incentive of \$200 per unit is available for clothes washers that are ENERGY STAR® certified or more efficient in commercial applications paired with an electric dryer. Only front-loading clothes washers can meet the ENERGY STAR standards. Hard-mounted machines do not qualify.

I1. Efficient Ice Machines

An incentive is available for ice machines that are ENERGY STAR certified or more efficient in commercial applications:

- \$100 per unit is available for a capacity less than 200 pounds (lb) per day*
- \$300 per unit is available for a capacity greater than or equal to 200 lbs per day

E1. Circulating Generator Block Heaters

An incentive is available for a stationary pump-driven circulating block heater, based on the generator size:

- \$200 per unit is available for units less than or equal to 200 kW
- \$350 for units 201–500 kW
- \$500 for units 501–1,000 kW

E2. High Efficiency Battery Chargers

An incentive of \$200 per unit is available for high-efficiency, electric battery chargers for forklifts and industrial materials handling vehicles that meet efficiency requirements:

- Power conversion efficiency is greater than 89%
- Maintenance power is less than 10 watts

E3. Wall or Engine Block Heater Controls

An incentive of \$100 per unit for wall block mounted controls that provide a two-hour delay when first plugged in and will turn on only when outside air drops below a certain threshold. An incentive of \$150 per unit for engine mounted controls that cycle the heater based on engine temperature.



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Refrigeration

Commercial systems only. Ammonia systems do not qualify for the prescriptive offering but may qualify as a custom project.

R1. Efficient Condensers*

An incentive of \$40 per ton of refrigeration is available for efficient air and evaporative cooled refrigeration condensers. Efficient condensers must have head pressure controls, stage or VSD-controlled fans and must operate with sub cooling of 5°F or more at design conditions. Condensers must have a temperature difference of 8°F or fewer for low-temp systems, 13°F or less for med-temp systems and 18°F or fewer for evaporative condensers.

R2. Automatic High-speed Doors

An incentive is available for automatic control to open and close doors. Controls must fully open or fully close doors within 7.5 seconds and remain open for less than 3 minutes.

- \$25 per ft² of door opening between refrigerated and dock space
- \$50 per ft² of door opening between a freezer and refrigerated space
- \$100 per ft² of door opening between a freezer and dock space

R3. Evaporative Pre-coolers on Air-cooled Condensers*

An incentive of \$30 per ton is available for the installation of an evaporative pre-cooler used to pre-cool ambient air before it reaches the air-cooled condenser for refrigeration systems.

Compressed Air Equipment

CA1. Air Compressor VSD

An incentive of \$200 per hp is available for installing a VSD (less than 200 hp) on the air compressor motor to vary the speed based on actual demand. The VSDs must be on variably loaded motors and installed in accordance with IEEE Standard 519 and Idaho Power Rule K requirements.

CA2. No-loss Condensate Drain

An incentive of \$200 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 \$10 per hp is available for installing a low-pressure air filter that has a pressure drop between 1 and 3 pounds per square inch (psi).

CA4. Cycling Refrigerated Compressed Air Dryer*

An incentive of \$3 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 \$80 per unit is available when installing an efficient air nozzle that reduces the amount of air compared to a standard nozzle but produces the same performance.

Pool Covers

P1. Pool Covers

An incentive of \$2 per sq ft is available for indoor pool covers covering the entire pool surface area installed on an electrically heated pool. Pool covers must be designed for commercial swimming pools and have a storage reel. Eligible pool cover types: multi-layer foam, solid track, or bubble. Mesh, solar disc and liquid evaporation suppressant covers are not eligible.



ELIGIBILITY

The New Construction and Major Renovations program is open to all commercial and industrial customers for significant construction projects. 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 is 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 at idahopower.com/newconstruction.

3. Complete Custom Projects tab on application (if applicable).

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 can include building plans, product specifications and copies of paid invoices. The form is available at idahopower.com/newconstruction. Refer to the program's Terms and Conditions before submitting.

CUSTOM PROJECTS

Other measures not on this list may qualify for a custom incentive of \$0.20 per kWh saved up to 70% of the incremental cost. Analysis assistance may be available.



PROFESSIONAL ASSISTANCE INCENTIVE

An incentive is available for the third-party architect or engineer that supports the participant with the technical aspects of the project and required supporting documentation that is necessary to complete the incentive process. The professional is eligible for an incentive equal to 20% of the participant's total incentive, up to a maximum of \$5,000.

RESOURCES

University of Idaho Integrated Design Lab Design Assistance

Design assistance from the Boise-based lab featuring graduate architectural and engineering students. idlboise.com



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FOR MORE INFORMATION

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