

SCHEDULE 89
COMMERCIAL AND INDUSTRIAL ENERGY EFFICIENCY

AVAILABILITY

Service under this schedule is available to commercial and industrial Customers as well as other customer classes where there may be commercial and industrial facilities throughout the Company's service area within the State of Oregon receiving active service.

APPLICABILITY

This schedule is applicable to electric energy efficiency retrofit and new construction projects typical of commercial or industrial applications that meet the requirements of the Commercial and Industrial Energy Efficiency program.

DESCRIPTION

The Commercial and Industrial Energy Efficiency program is an incentive-based program designed to help reduce the costs of installing energy efficiency features in existing and new commercial and industrial buildings. The Program provides incentives for a variety of prescriptive lighting and non-lighting measures, as well as a custom path for projects which fall outside the prescriptive offerings.

INCENTIVE STRUCTURE

Installed measures must meet the requirements of the Commercial and Industrial Energy Efficiency program as detailed in this Schedule, and must also comply with the current Program terms and conditions posted to the Program website at www.idahopower.com/business. Incentives will not be paid for measures required by Oregon code. Incentive payments will not exceed 100% of the installed cost.

PRESCRIPTIVE RETROFIT INCENTIVES

TABLE 1: RETROFIT - LIGHTING AND LIGHTING CONTROLS			
Equipment Category	Installing	Replacing	Incentive Per Unit
Permanent Fixture Removal (<i>Only applicable as standard measures</i>)	Permanent fixture removal as part of overall lighting retrofit project	Hardwired fixture using 50-299 input watts	\$20.00
	Permanent fixture removal as part of overall lighting retrofit project	Hardwired fixture \geq 300 input watts	\$30.00
Light Emitting Diodes (LEDs) (<i>Must be on DLC Qualified Commercial LED List</i>)	Pin-base LED	Pin-base lamp using higher wattage	\$0.12/watt reduced
	HID LED screw-in replacement lamp	Existing HID lamp using > input watts	\$0.26/watt reduced
	Linear LED tube (Types A, B, and DM)	Fixture using higher wattage	\$1.50//ft
	Linear LED tube (Type C)	Fixture using higher wattage	\$0.10/kWh reduced
	LED Level 1 retrofit kit	Fixture using higher wattage	\$0.14/kWh reduced
	LED Level 1 retrofit kit with single control strategy	Fixture using higher wattage	\$0.17/kWh reduced

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PRESCRIPTIVE RETROFIT INCENTIVES (Continued)

TABLE 1: RETROFIT - LIGHTING AND LIGHTING CONTROLS (Continued)			
Equipment Category	Installing	Replacing	Incentive Per Unit
Light Emitting Diodes (LEDs) (Must be on DLC <i>Qualified Commercial LED List</i>)	LED Level 1 retrofit kit with multiple control strategies	Fixture using higher wattage	\$0.19/kWh reduced
	LED Level 1 retrofit kit with networked controls	Fixture using higher wattage	\$0.21/kWh reduced
	LED Level 1 retrofit kit with luminaire level lighting controls	Fixture using higher wattage	\$0.23/kWh reduced
	LED fixture or LED Level 2 retrofit kit	Fixture using higher wattage	\$0.22/kWh reduced
	LED fixture or LED Level 2 retrofit kit with single control strategy	Fixture using higher wattage	\$0.25/kWh reduced
	LED fixture or LED Level 2 retrofit kit with multiple control strategies	Fixture using higher wattage	\$0.27/kWh reduced
	LED fixture or LED Level 2 retrofit kit with networked controls	Fixture using higher wattage	\$0.29/kWh reduced
	LED fixture or LED level 2 retrofit kit with luminaire level lighting controls	Fixture using higher wattage	\$0.31/kWh reduced
LED Sign Lighting	LED exit sign or equivalent (<5 watts) LED sign lighting retrofit	Exit sign using ≥ 18 watts Existing using $>$ input watts	\$40.00 \$0.20/kWh
Lighting Controls	Fixture mount occupancy sensor – exterior	Manual or no prior control, ≥ 75 input watts	\$25.00
	Multiple control strategies on existing LED - exterior	Manual or no prior control, ≥ 75 input watts	\$35.00/n/a

Table 1 Note:

“Non-standard” incentives are available for cost-effective lighting measures not listed on Table 1. Non-standard lighting incentives will be calculated at \$0.14 per first year annual kilowatt-hour saved up to 70% of measure cost.

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PRESCRIPTIVE RETROFIT INCENTIVES (Continued)

TABLE 2: RETROFIT - HVAC AND HVAC CONTROLS			
Equipment category	Installing	Replacing	Incentive Per Unit
Air Conditioning Tune-Up	Air-conditioning tune-up	Unitary or split system AC \geq 3 Tons	\$25.00/ton
Economizers	Air side economizer control addition Air side economizer control repair	No prior control Non-functional economizer	\$100.00/ton \$50.00/ton
Automated Control Systems	EMS control with 1 strategy	Proposed strategy not existing	<u>Retrofit System/New System</u> \$100.00/ton/N/A
	EMS controls with 2 strategies	Proposed strategy not existing	\$150.00/ton/80.00/ton
	EMS controls with 3 strategies	Proposed strategy not existing	\$175.00/ton/100.00/ton
	EMS controls with 4 strategies	Proposed strategy not existing	\$200.00/ton/120.00/ton
	EMS controls with 5 strategies	Proposed strategy not existing	\$225.00/ton/140.00/ton
	Lodging room occupancy controls	Manual controls	\$ 75.00/unit
Electronically Commutated Motor (ECM)	ECM motor in HVAC application	Shaded pole or permanent split capacitor motor	\$200.00/motor

TABLE 3: RETROFIT - BUILDING SHELL			
Equipment category	Installing	Replacing	Incentive
Reflective Roofing	Adding reflective roof treatment	Non-reflective low pitch roof	\$ 0.05/SQFT roof area
Wall Insulation	Increase to R11 min. insulation	Insulation level, R2.5 or less	\$ 0.40/SQFT wall area
	Increase to R19 min. insulation	Insulation level, R2.5 or less	\$ 0.55/SQFT wall area

Table 3 Notes:

1. Insulation must be professionally installed by an insulation contractor.
2. Insulation must be installed in building with electric heat.

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PRESCRIPTIVE RETROFIT INCENTIVES (Continued)

TABLE 4: RETROFIT - OTHER EQUIPMENT			
Equipment category	Installing	Replacing	Incentive Per Unit
Laundry Machines	High efficiency washer	Standard washer paired with electric dryer	\$200.00/unit
Motor Belts	Type AX notched V-belt Type BX notched V-belt	Type A solid V-belt Type B solid V-belt	\$5.00/hp* \$5.00/hp* *Incentive capped at \$50/motor
Engine Block Heater and controls	Wall-mounted engine block heater control	Standard engine block heater without controls	\$100.00/unit
	Engine-mounted engine block heater control	Standard engine block heater without controls	\$150.00/unit
	High efficiency battery charger	Traditional battery charger	\$200.00/unit
High Volume Low Speed Fan	High volume low speed fan	Standard high speed fan	\$2,000.00/fan
Compressed Air	VFD on air compressor Low pressure drop filter No-loss condensate drain Efficient compressed air nozzle	No existing VFD Standard filter Open tube with ball valve Standard air nozzle	\$200.00/hp \$10.00/hp \$200.00/unit \$80.00/unit
Pool Covers	Indoor/outdoor pool cover on electrically heated pool	No existing pool cover	\$2.00/SQFT

TABLE 5: RETROFIT - FOOD SERVICE EQUIPMENT			
Equipment category	Installing	Replacing	Incentive Per Unit
Refrigeration	Install auto-closer – walk-in	No/damaged auto-closer, low temp.	\$400.00/door
	Freezer to dock automatic high speed door	Manual or electric warehouse door	\$100.00/SQFT door opening
	Freezer to refrigerator automatic high speed door	Manual or electric warehouse door	\$50.00/SQFT door opening
	Refrigerator to dock automatic high speed door	Manual or electric warehouse door	\$25.00/SQFT door opening
	Freezer strip curtain	No protective barrier	\$5.00/SQFT door opening
	Refrigerated strip curtain	No protective barrier	\$5.00/SQFT door opening
	Refrigerated case doors – med temp	No existing case door or protective barrier	\$130/linear foot door opening

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PRESCRIPTIVE RETROFIT INCENTIVES (Continued)

TABLE 5: RETROFIT - FOOD SERVICE EQUIPMENT (Continued)			
Equipment category	Installing	Replacing	Incentive Per Unit
Demand Controlled Kitchen Ventilation Exhaust Hood	VFD installed on kitchen exhaust and/or makeup air fan	Kitchen hood with constant speed ventilation motor	\$250.00/hp
Commercial Kitchen Equipment	ENERGY STAR® v3.0 commercial ice machine >= 200 lbs/day	Standard commercial ice machine >= 200 lbs/day	\$300.00/unit
	On-Demand Overwrapper	Standard overwrapper	\$100.00/unit
	ENERGY STAR® listed electric combination oven (5-40 pans)	Standard electric oven	\$800.00/unit
	ENERGY STAR® listed electric steamer	Standard steamer	\$30.00/pan

TABLE 6: RETROFIT - VARIABLE SPEED/FREQUENCY DRIVES			
Equipment category	Installing	Replacing	Incentive Per Unit
Variable Speed Controls	Variable speed drive on HVAC system applications: - Chilled water pumps - Condenser water pumps - Cooling tower fans - Supply - Return - Outside air - Make-up air - Hot water pumps	Single speed HVAC system fan/pump	\$125.00/hp
	Variable speed drive on potato and onion storage shed ventilation	No existing VSD	\$250.00/hp
	VFD on milking vacuum pump	No existing VSD	\$250.00/hp
	VFD on dairy milk transfer pump	No existing VSD	\$1,500.00/VFD

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PRESCRIPTIVE NEW CONSTRUCTION INCENTIVES

TABLE 7: LIGHTING FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS		
Measure Type	Incentive	Eligibility Requirements
Interior Light Load Reduction	Part A: \$0.10 Part B: \$0.20 Part C: \$0.30 per square foot covered by the lighting	Lighting systems designed with a lighting power density (LPD) that is at least: Part A: 10-19.9% below the Oregon Energy Efficiency Specialty Code will be eligible for this incentive, or Part B: 20-29.9% below the Oregon Energy Efficiency Specialty Code or Part C: Equal to or greater than 30% below the Oregon Energy Efficiency Specialty Code will be eligible for this incentive. A project that is at least 60% below code and/or has high operation hours can receive a non-standard interior lighting incentive at \$0.15 per kWh saved, up to 100% of the incremental cost or 70% of total invoiced costs between a base and efficient lighting system.
Exterior Light Load Reduction	\$200.00 per kW below code	Must be a minimum of 15% below the Oregon Energy Efficiency Specialty Code to qualify.
Networked Lighting Controls	\$0.26 per kWh saved (interior) and \$0.20 per kWh saved (exterior)	Luminaire Level Lighting Controls (LLLC) must be individually addressed, and each fixture must have a minimum of two control strategies. One of the two strategies must be a sensor-based strategy.
High Efficiency Exit Signs	\$7.50 per installed sign	Any code compliant exit sign that draws less than 2 watts per sign face including, but not limited to, light emitting diode (LED), cold cathode, electroluminescent, or self-luminous exit signs are eligible for an incentive.

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PRESCRIPTIVE NEW CONSTRUCTION INCENTIVES (Continued)

TABLE 8: AIR CONDITIONING (HVAC) FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS							
Measure Type	Incentive	Eligibility Requirements					
Efficient Air-cooled HP and HP VRF units	Part A: \$50.00 Part B: \$70.00 Part C: \$85.00 per ton of air conditioning	Equipment Type	Size Category (single & three phase units)	Sub-Category	Part A: \$50.00/ton	Part B: \$70.00/ton	Part C: \$85.00/ton
		Heat Pumps, Air Cooled (Cooling Mode)	<=64 tons	Split system & single package	CEE Tier 1	N/A	N/A
			<=5 tons	Split system & single package	N/A	CEE Tier 2	N/A
		Heat Pumps, Air Cooled Variable Refrigerant Flow Units (Cooling Mode)	All Sizes	Multi-split Heat Pump	CEE Tier 1	N/A	CEE Tier 2
NOTE: Efficiency is based on AHRI and ISO standards.							
Air Side Economizer	\$75.00 per ton of air conditioning economized	Applicable economizers must allow outdoor air capacity to meet at least 85% of an air conditioning unit's airflow rate coupled with a programmable thermostat capable of two-stage cooling controls.					

TABLE 9: BUILDING SHELL FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS		
Measure Type	Incentive	Eligibility Requirements
Reflective Roof Treatment	\$0.05 per square foot of roof treatment	Reflective roof treatments must meet a minimum initial solar reflectivity of 0.70 and a minimum emissivity of 0.75 consistent with California's Title 24 standards for flat or minimally pitched roofs.

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PRESCRIPTIVE NEW CONSTRUCTION INCENTIVES (Continued)

TABLE 10: CONTROLS FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS		
Measure Type	Incentive	Eligibility Requirements
Energy Management Control System	Part A: N/A Part B: \$80.00 per ton for 2-strategies Part C: \$100.00 per ton for 3-strategies Part D: \$120.00 per ton for 4-strategies Part E: \$140.00 per ton for 5-strategies	Systems must provide automatic control for cooling systems and incorporate specific strategies that result in energy savings over standard operation.
Guest Room Energy Management System	\$50.00 per unit of controlled cooling	Systems must provide occupancy based thermostatic set-back controls for the HVAC system. Eligible systems include thermostat based controls, room key-card controls and system check-in/check-out controls.
HVAC Variable Speed Drives	Part A: \$125.00 per hp Part B: \$250.00 per hp	Variable speed controls for fans, pumps and other variably-loaded electric HVAC motors Variable speed drive on HVAC system applications: Part A: <ul style="list-style-type: none"> • Chilled water pumps • Condenser water pumps • Cooling tower fans • Supply fan • Return fan • Outside air fan • Make-up air fan • Hot water pumps Part B: <ul style="list-style-type: none"> • Potato/onion storage shed ventilation
Demand Controlled Kitchen Ventilation Exhaust Hood	\$250.00 per hp	Variable speed drives installed for exhaust and/or makeup air fans on commercial kitchen hoods.

TABLE 11: APPLIANCES FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS		
Measure Type	Incentive	Eligibility Requirements
Efficient Laundry Machines (Electric)	\$200.00 per unit	ENERGY STAR® clothes washer paired with an electric dryer

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PRESCRIPTIVE NEW CONSTRUCTION INCENTIVES (Continued)

TABLE 12: REFRIGERATION FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS		
Measure Type	Incentive	Eligibility Requirements
Automatic High Speed Doors	\$25.00/SQFT door opening	Dock to Refrigerator. Door controls with automatic control to open and close.
	\$50.00/SQFT door opening	Freezer to Refrigerator: Door controls with automatic control to open and close.
	\$100.00/SQFT door opening	Freezer to Dock: Door controls with automatic control to open and close.

TABLE 13: EQUIPMENT FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS		
Measure Type	Incentive	Eligibility Requirements
High Volume Low Speed Fan	\$2,000.00 per fan	High volume low speed fans installed
Air compressor VFD	\$200.00 per hp	Installing a VFD on the air compressor that allow the compressor to vary the speed based on actual demand.
No-Loss Condensate Drain	\$200.00 per unit	Installing a no-loss condensate drain that monitors the amount of condensate present and then exhausts only the condensate without wasting compressed air.
Low Pressure Drop Filter	\$10.00 per hp	Installing a low-pressure filter that has a pressure drop between 1 and 3 psi.
Efficient Compressed Air Nozzle	All sizes: \$80.00 per unit	Installing an efficient air nozzle that reduces the amount of air compared to a standard nozzle but produces the same performance.

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PRESCRIPTIVE NEW CONSTRUCTION INCENTIVES (Continued)

TABLE 13: EQUIPMENT FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS (Continued)		
Measure Type	Incentive	Eligibility Requirements
Engine Block Heater Controls	Wall Mounted: \$100.00 per unit	Controls that provide a 2-hour delay from first plugged in and will turn on only when outside air drops below a certain threshold.
	Engine Mounted: \$150.00 per unit	Control that cycles the heater on based on engine temperature.
Dairy/Milk Transfer Pump VFD	VFD: \$1,500.00 per unit	Installing a VFD on the pump that slows down the motor during normal operation and then speeds up when necessary.
Circulation Generator Block Heaters	<= 200 kW: \$200.00 201-500 kW: \$350.00 501-1,000 kW: \$500.00	Stationary pump-driven circulating block heater.
Ice Machine	\$300.00 per unit	Commercial ENERGY STAR® Ice Machine with a capacity >= 200 lbs per day.
High Efficiency Battery Chargers	\$200.00 per unit	High Efficiency electric battery charger for forklifts and industrial materials handling vehicles.
Indoor Pool Cover	\$2.00 per sq ft	Indoor Pool Cover on electrically heated pool

Note: A Professional Assistance Incentive will be provided to a third-party architect or engineer that submits the application and provides the supporting documentation that is required to complete the application and incentive process. The professional is eligible for an incentive equal to 20% of the participant's total incentive to a maximum amount of \$5,000.

CUSTOM INCENTIVES

QUALIFICATIONS

Project viability will be determined through a collaborative process involving the Company, a participating Customer, and if necessary, a qualified third party or the Customer's licensed Professional Engineer. Potential projects will be evaluated for program eligibility based upon the following criteria:

1. The technology must be generally accepted cost-effective energy efficiency technology. This determination will be at the Company's sole discretion.
2. Projects must exceed the current established building code requirements or standard practice for the applicable industry as determined by the Company.
3. If there is no corresponding prescriptive measure available, then the project may be submitted for review by the Company and, if cost-effective, the project may be eligible for a financial incentive.

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CUSTOM INCENTIVE OPTIONS (Continued)OPTIONS

Energy saving projects and measures that are not covered under prescriptive sections of this Schedule may be eligible for Custom Incentives based on the calculated energy savings. There are two incentive options available under the Custom Incentive; the Cost-Share option or the Self-Directed Funds option. The Cost-Share option is available to all Customers that meet the requirements of the Custom Incentive offering. The Self-Directed Funds option is available only to Customers taking service under Schedule 19. The maximum incentive payment will not exceed \$0.20 per first-year kilowatt-hour saved under either incentive option. (I)

Option 1 - Cost-Share. Financial incentives are determined under the Cost-Share option using the lesser of the following two calculations:

1. Up to \$0.20 per first-year kilowatt-hours saved (I)
2. 70% of eligible project costs

Option 2 - Self-Directed. Under the Self-Directed Funds option, the Customer's contributions to the Energy Efficiency Rider are tracked starting from the latter of the following: June 2005 or the last Cost-Share project paid and funds expected to accrue for a maximum of three years from the date the pre-application is received. Customers selecting this option will have direct use of 100% of the funds for implementation of cost-effective DSM projects. Any funds not utilized by the Customer will remain pooled with the rest of the Energy Efficiency Rider, Schedule 91, funds. Customers may combine individual account funds from multiple sites to implement cost-effective DSM projects under this option. Financial incentives are determined under the Self-Directed option using the lesser of the following two calculations:

1. Up to \$0.20 per first-year kilowatt-hours saved (I)
2. 100% of eligible project costs

ENERGY MANAGEMENTQUALIFICATIONS

Customers may qualify for offerings created to save electricity through operational improvements which, when implemented, result in cost-effective savings compared to current operations as determined by the Company. These projects may include tune-ups, industrial system optimization or retro-commission, strategic energy management, and other non-capital measures on a case-by-case basis. Financial incentives for these kinds of offerings are determined to be the lesser of the following two calculations:

1. \$0.025 per first-year kilowatt-hours saved
2. 100% of eligible costs

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ENERGY MANAGEMENT (Continued)DEFINITIONS

Strategic Energy Management (SEM) is a system of organizational practices, policies, and processes that creates persistent energy savings by integrating energy management into business practices by focusing on changes in daily operations that engage staff at all levels of an organization in energy efficiency activities.

Tune-up/system optimization/retro-commission is a focused short-term project to improve the energy usage of an existing specific process, equipment, or system, typically evaluated, documented, addressed, and implemented within a few weeks.

GREEN MOTORS PROGRAM

The Green Motors Program encourages industry best practices when rewinding motors (Green Rewind). The certified rewind process ensures that the motor maintains its original efficiency when the rewind is complete. Motors between 15 and 5,000 horsepower are eligible. Idaho Power pays participating service centers \$2.00 per horsepower for each motor that received a verified Green Rewind. The participating service center must provide \$1.00 of that payment to the participating customer as a credit to their invoice. Motors must be rewound in a certified participating service center that has the equipment and training to perform Green Rewind and completed all requirements of the Electrical Apparatus Service Association (EASA). For a current list of EASA Accredited motor service centers offering Green Rewind please see <https://my.easa.com/find/accredited>. Some motors may not be able to qualify as a green rewind due to extenuating circumstances, such as a damaged stator or rotor.

SMALL BUSINESS LIGHTING PROGRAMQUALIFICATIONS

The Small Business Lighting program is available to qualifying Idaho Power business customers using up to 50,000 kilowatt-hours annually.

SERVICES PROVIDED

The Small Business Lighting program will offer customers a free lighting assessment. The assessment will identify eligible retrofit opportunities. Customers opting to have their lighting upgraded will receive up to \$0.40 per kWh saved in the first year, not exceeding 100% of the total project cost. Project installations will be performed by participating program contractors. The list of participating program contractors can be found at idahopower.com/sbl.