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February 8, 2021

VIA ELECTRONIC FILING

PUC.FilingCenter@state.or.us

RE: Tariff Advice No. 21-01
Schedule 89 – Commercial and Industrial Energy Efficiency

Attention Filing Center:

Pursuant to ORS 757.054 and 757.205 and Order No. 94-590, Idaho Power Company (“Idaho Power” or “Company”) herewith transmits for filing to the Public Utility Commission of Oregon (“Commission”) the following proposed modifications to Schedule 89, Commercial and Industrial Energy Efficiency:

Second Revised Sheet No. 89-1	Cancelling	First Revised Sheet 89-1
Third Revised Sheet No. 89-2	Cancelling	Second Revised Sheet 89-2
Third Revised Sheet No. 89-3	Cancelling	Second Revised Sheet 89-3
Second Revised Sheet No. 89-4	Cancelling	First Revised Sheet 89-4
Second Revised Sheet No. 89-5	Cancelling	First Revised Sheet 89-5
Second Revised Sheet No. 89-6	Cancelling	First Revised Sheet 89-6
Second Revised Sheet No. 89-7	Cancelling	First Revised Sheet 89-7
Second Revised Sheet No. 89-8	Cancelling	First Revised Sheet 89-8
Second Revised Sheet No. 89-9	Cancelling	First Revised Sheet 89-9
Second Revised Sheet No. 89-10	Cancelling	First Revised Sheet 89-10
First Revised Sheet No. 89-11	Cancelling	Original Sheet 89-11
Second Revised Sheet No. 89-12	Cancelling	First Revised Sheet 89-12
Third Revised Sheet No. 89-13	Cancelling	Second Revised Sheet 89-13
Second Revised Sheet No. 89-14	Cancelling	First Revised Sheet 89-14
First Revised Sheet No. 89-15	Cancelling	Original Sheet 89-15

Schedule 89, the Commercial and Industrial Energy Efficiency program (“C&I 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 C&I 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.

In its filing, the Company is proposing changes to the prescriptive Retrofits lighting measures through measure additions, removal, or modification. Proposed measure changes are only being made to the current sheet numbers for 89-1, 89-2, and 89-3. Due to the changes, all subsequent pages are being moved up so there are no blank pages within the tariff.

SCHEDULE 89

Idaho Power's C&I Program has experienced a decrease in the number of submitted program applications for Retrofits lighting projects over the past year. When the Company's C&I Program staff inquired with key market participants to better understand the reduction in project submissions and solicit feedback, the responses included that contractors were too busy to focus on Retrofits projects, and in some cases, the incentive wasn't enticing enough to compete with more lucrative projects. In more recent months, the COVID-19 pandemic has impacted customer participation due to various restrictions and local government health mandates. In response to market feedback, and to encourage increased customer participation, Idaho Power proposes to increase the incentive on many prescriptive Light Emitting Diode ("LED") measures, as noted below.

Prescriptive Retrofits Measures

Idaho Power proposes the following Prescriptive Retrofits measure changes, listed by Table and change type, with the reason for the proposed change. All changes pass the Utility Cost Test ("UCT") and the Total Resource Cost ("TRC") test.

Schedule 89 Table 1: Retrofits – Lighting and Lighting Controls

Remove Measures

- Remove the following equipment categories and associated measures: T8 Fluorescents; T5/T8 High Bay New Fixtures; Fluorescent Delamping; Reduced Wattage T8/T5HO; Relamp T8/T5HO to Reduced Wattage T8/T5HO; and Refrigeration Case Lighting from the standard incentive menu.
- Remove the following individual measures from the Lighting Controls Equipment Category: Wall switch occupancy sensor; Ceiling mount occupancy sensor; Fixture mount occupancy sensor – interior; Interior photocell control (dimming, step dimming or switching); and Multiple control strategies on existing LED - interior from the standard incentive menu.

Reason

- LED equipment is available in a wider range of types and sizes than in past years. In addition, Idaho Power program staff have received feedback from customers that they are inclined to upgrade to LED rather than take the interim step to more efficient fluorescent and then upgrade to LED later. LED equipment is more energy efficient than fluorescent and the Company proposes to focus on encouraging LED product installations. Customers who still prefer to implement efficient fluorescent technology may do so by using the non-standard lighting incentive option.
- Individual lighting control measures are no longer cost effective under the TRC test due to the updated Demand-Side Management ("DSM") alternate (avoided) costs.

Increase Incentive

- Increase the incentive for HID LED screw-in replacement lamp from \$0.20 exterior and \$0.22 interior per watt reduced to \$0.24 exterior and \$0.26 interior per watt reduced.
- Increase the incentive for Linear LED tube (Types A, B, DM) from \$0.50 exterior and interior per foot to \$1.00 exterior and interior per foot.

- Increase the Linear LED tube (Type C) incentive from \$0.02 exterior and \$0.05 interior per kWh reduced to \$0.04 exterior and \$0.10 interior per kWh reduced.
- Increase the LED Level 1 retrofit kit interior incentive from \$0.10 per kWh to \$0.12 per kWh reduced.
- Increase the incentive for LED fixture or LED Level 2 retrofit kit from \$0.12 exterior and \$0.15 interior per kWh reduced to \$0.14 exterior and \$0.19 interior per kWh reduced.
- Increase the incentive for LED fixture or LED Level 2 retrofit kit with single control strategy from \$0.14 exterior and \$0.18 interior per kWh reduced to \$0.16 exterior and \$0.21 interior per kWh reduced.
- Increase the incentive for LED fixture or LED Level 2 retrofit kit with multiple control strategies from \$0.16 exterior and \$0.20 interior per kWh reduced to \$0.18 exterior and \$0.24 interior per kWh reduced.
- Increase the incentive for LED fixture or LED Level 2 retrofit kit with networked controls from \$0.18 exterior and \$0.22 interior per kWh reduced to \$0.20 exterior and \$0.26 interior per kWh reduced.
- Increase the incentive for LED sign lighting retrofit from \$0.10 exterior and \$0.12 interior per kWh to \$0.14 exterior and \$0.18 interior per kWh.

Reason

- Encourage increased customer participation.

Add Measures

- Add three new LED level 1 retrofit kit with control measures.
 - LED level 1 retrofit kit with single control strategy with incentives of \$0.12 exterior and \$0.14 interior per kWh reduced.
 - LED Level 1 retrofit kit with multiple control strategies with incentives of \$0.14 exterior and \$0.16 interior per kWh reduced.
 - LED Level 1 retrofit kit with networked controls with incentives of \$0.16 exterior and \$0.18 interior per kWh reduced.

Reason

- For additional savings opportunities, the company proposes to provide an integrated incentive option for Level 1 retrofit kits and controls, similar to the Level 2 retrofit kit with controls measures. Level 1 retrofit kits are becoming more available with integrated or manufacturer-provided options for various control strategies. Also, there is an increase in customer interest in Level 1 retrofit kits with controls.

Modify Requirements

- Remove the requirement watts for Linear LED tube measures (Types A, B, DM and C) that lamps being replaced be greater than 17 input watts.
- Retitle “LED hardwired conversion/LED Level 1 retrofit kit” to “LED Level 1 retrofit kit.”

Reason

- The Company updated its evaluation to include measures with lamps being replaced with less than 17 input watts and found them to be cost-effective.
- The use of the wording “hardwired conversion” has been found to be unnecessary.

Future Schedule 89 Filing

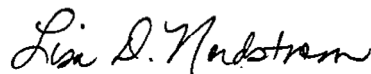
The Company anticipates further changes to the C&I Program in the second quarter of 2021 once new building code changes are incorporated in energy efficiency baselines as part of the update from Technical Reference Manual (“TRM”) 2.2 to TRM 3.0, and once review is complete. C&I Program New Construction and non-lighting Retrofits measures deemed savings are included in the TRM, and C&I Program programmatic changes resulting from adoption of TRM 3.0 will be filed by the Company in the second quarter of 2021.

CONCLUSION

Idaho Power proposes modifications to Schedule 89 to add new prescriptive measures for the energy efficiency offerings contained within the C&I Program, as well as modify or remove several existing measures.

The Company respectfully requests that the proposed modifications to Schedules 89 become effective March 10, 2021. If you have any questions regarding this filing, please contact Regulatory Consultant Paul Goralski at (208) 388-2608 or pgoralski@idahopower.com.

Sincerely,



Lisa Nordstrom

**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 Exterior/Interior
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	\$ 15.00/20.00
	Permanent fixture removal as part of overall lighting retrofit project	Hardwired fixture ≥ 300 input watts	\$ 25.00/30.00
Light Emitting Diodes (LEDs) (<i>Must be on DLC or ENERGY STAR® Qualified Commercial LED List</i>)	Screw-in or pin-base LED	Screw-in or pin-base lamp using higher wattage	\$0.08/0.12/watt reduced
	HID LED screw-in replacement lamp	Existing HID lamp using > input watts	\$0.24/0.26/watt reduced
	Linear LED tube (Types A, B, and DM)	Fixture using higher wattage	\$1.00/1.00/ft
	Linear LED tube (Type C)	Fixture using higher wattage	\$0.04/0.10/kWh reduced
	LED Level 1 retrofit kit	Fixture using higher wattage	\$0.08/0.12/kWh reduced
	LED Level 1 retrofit kit with single control strategy	Fixture using higher wattage	\$0.12/0.14/kWh reduced

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**SCHEDULE 89
COMMERCIAL AND INDUSTRIAL ENERGY EFFICIENCY
(Continued)**

PRESCRIPTIVE RETROFIT INCENTIVES (Continued)

TABLE 1: RETROFIT - LIGHTING AND LIGHTING CONTROLS (Continued)				
Equipment Category	Installing	Replacing	Incentive Per Unit Exterior/Interior	
Light Emitting Diodes (LEDs) (Must be on DLC or ENERGY STAR® Qualified Commercial LED List)	LED Level 1 retrofit kit with multiple control strategies	Fixture using higher wattage	\$0.14/0.16/kWh reduced	(N)
	LED Level 1 retrofit kit with networked controls	Fixture using higher wattage	\$0.16/0.18/kWh reduced	(N)
	LED fixture or LED Level 2 retrofit kit	Fixture using higher wattage	\$0.14/0.19/kWh reduced	(I)(M)
	LED fixture or LED Level 2 retrofit kit with single control strategy	Fixture using higher wattage	\$0.16/0.21/kWh reduced	(I)
	LED fixture or LED Level 2 retrofit kit with multiple control strategies	Fixture using higher wattage	\$0.18/0.24/kWh reduced	(I)
	LED fixture or LED Level 2 retrofit kit with networked controls	Fixture using higher wattage	\$0.20/0.26/kWh reduced	(I)
LED Sign Lighting	LED exit sign or equivalent (<5 watts) LED sign lighting retrofit	Exit sign using ≥18 watts Existing using > input watts	\$ n/a/40.00 \$ 0.14/0.18/kWh	(I) (D)
Lighting Controls	Fixture mount occupancy sensor – interior	Manual or no prior control ≥ 25 input watts	\$ n/a/25.00	(D)
	Fixture mount occupancy sensor – exterior	Manual or no prior control, ≥75 input watts	\$ 15.00/n/a	(D)
	Multiple control strategies on existing LED - exterior	Manual or no prior control, ≥75 input watts	\$ 25.00/n/a	(D)

Table 1 Note:

“Non-standard” incentives are available for cost-effective lighting measures not listed on Table 1. Non-standard interior lighting incentives will be calculated at \$0.10 per first year annual kilowatt-hour saved up to 70% of measure cost and exterior lighting incentives will be calculated at \$0.08 per first year annual kilowatt-hour saved up to 70% of measure cost.

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COMMERCIAL AND INDUSTRIAL ENERGY EFFICIENCY**

(Continued)

PRESCRIPTIVE RETROFIT INCENTIVES (Continued)

TABLE 2: RETROFIT - HVAC AND HVAC CONTROLS			
Equipment category	Installing	Replacing	Incentive Per Unit
Air Conditioning (AC) Units	≤5 ton AC unit that meets CEE Tier 1	Standard ≤5 ton AC/HP unit	\$ 30.00/ton
	≤5 ton AC unit that meets CEE Tier 2	Standard ≤5 ton AC/HP unit	\$ 75.00/ton
	≤5 ton VRF unit that meets CEE Tier 2	Standard ≤5 ton AC/HP unit	\$ 100.00/ton
	≤64 ton VRF unit that meets CEE Tier 1	Standard ≤64 ton AC/HP unit	\$ 75.00/ton
Heat Pump (HP) Units	≤5 ton HP unit that meets CEE Tier 1	Standard ≤5 ton AC/HP unit	\$ 30.00/ton
	≤5 ton HP unit that meets CEE Tier 2	Standard ≤5 ton AC/HP unit	\$ 75.00/ton
	≤5 ton VRF unit that meets CEE Tier 2	Standard ≤5 ton AC/HP unit	\$ 100.00/ton
	≤64 ton VRF unit that meets CEE Tier 1	Standard ≤64 ton AC/HP unit	\$ 75.00/ton
Chiller Units	Air-cooled chiller, <150 tons, IPLV 16.2 EER or higher	Standard air-cooled chiller	\$ 80.00/ton
	Air-cooled chiller, ≥150 tons, IPLV 16.6 EER or higher		
	Water-cooled chiller electronically operated, reciprocating and positive displacement: <75 tons, IPLV: 0.50 or less (kW/ton) ≥75 and <150 tons, IPLV: 0.47 or less (kW/ton) ≥150 and <300 tons, IPLV: 0.44 or less (kW/ton) ≥300 and <600 tons, IPLV: 0.42 or less (kW/ton) >600 tons, IPLV: 0.40 or less (kW/ton)	Standard water-cooled chiller	\$ 40.00/ton
Water-cooled chiller electronically operated, centrifugal: <150 tons, IPLV: 0.45 or less (kW/ton) ≥150 and <300 tons, IPLV: 0.43 or less (kW/ton) ≥300 and <400, IPLV: 0.41 or less (kW/ton) >400 tons, IPLV: 0.40 or less (kW/ton)			
Economizers	Air side economizer control addition	No prior control	\$100.00/ton
	Air side economizer control repair	Non-functional economizer	\$50.00/ton
Evaporative Coolers	Retrofit to direct evaporative cooler (Evaporative pre-cooled DX systems are not eligible)	Standard AC unit	\$200.00/ton
Equipment category	Installing	Replacing	Incentive Per Unit
Automated Control Systems	EMS control with 1 strategy	Proposed strategy not existing Proposed strategy not existing Proposed strategy not existing Proposed strategy not existing Proposed strategy not existing	<u>Retrofit System/New System</u> \$100.00/ton/60.00/ton
	EMS controls with 2 strategies		\$125.00/ton/70.00/ton
EMS controls with 3 strategies	\$150.00/ton/80.00/ton		
EMS controls with 4 strategies	\$175.00/ton/90.00/ton		
EMS controls with 5 strategies	\$200.00/ton/100.00/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	\$100/motor

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PRESCRIPTIVE RETROFIT INCENTIVES (Continued)

TABLE 3: RETROFIT - BUILDING SHELL			
Equipment category	Installing	Replacing	Incentive
Premium Windows	Low U-value, U-factor of .30 or less	Standard windows	\$ 2.50/ft2 window area
Reflective Roofing	Adding reflective roof treatment	Non-reflective low pitch roof	\$ 0.05/ft2 roof area
Ceiling Insulation	Increase to R38 min. insulation	Insulation level R11 or less	\$ 0.35/ft2
Wall Insulation	Increase to R11 min. insulation	Insulation level, R2.5 or less	\$ 0.40/ft2 wall area
	Increase to R19 min. insulation	Insulation level, R2.5 or less	\$ 0.55/ft2 wall area

Table 3 Notes:

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

TABLE 4: RETROFIT - OTHER EQUIPMENT			
Equipment category	Installing	Replacing	Incentive Per Unit
Computers	PC network power management	No central control software in place	\$ 10.00
Laundry Machines	High efficiency washer	Standard washer, electric HW	\$125.00
Stock Tank	Thermostatically-controlled stock tank de-icer	No existing thermostatically-controlled de-icer	\$50.00/unit
Motor Belts	Type AX notched V-belt Type BX notched V-belt Synchronous belt	Type A solid V-belt Type B solid V-belt Standard fan belt	\$ 5.00/hp* \$ 5.00/hp* \$ 35.00/hp *Incentive capped at \$50/motor
Commercial showerhead, electric water heat	2.0 gpm or less installed in health club/fitness business	Showerhead using 2.2 gpm or greater	\$ 15.00
	2.0 gpm or less installed in commercial business (non health club/fitness)	Showerhead using 2.2 gpm or greater	\$ 9.00
Smart Power Strips	Load-sensing, motion-sensing, or timer-controlled power strip	No existing load or motion-sensing, or timer-controlled power strip	\$ 10.00/power strip

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PRESCRIPTIVE RETROFIT INCENTIVES (Continued)

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TABLE 4: RETROFIT - OTHER EQUIPMENT (Continued)			
Equipment category	Installing	Replacing	Incentive Per Unit
Engine Block Heater and controls	Standby generation stationary pump-driven circulating block heater; must operate continuously	Thermosiphon electric resistance circulating block heater < 3 kW	\$200/unit
		3 kW or greater	\$1,500/unit
	Wall-mounted engine block heater control	Standard engine block heater without controls	\$50.00
	Engine-mounted engine block heater control	Standard engine block heater without controls	\$100.00
High Volume Low Speed Fan	High volume low speed fan	Standard high speed fan	\$2,000.00/fan
Compressed Air	VFD on air compressor	No existing VFD	\$150.00/hp
	Low pressure drop filter	Standard filter	\$7.50/hp
	No-loss condensate drain	Open tube with ball valve	\$300/unit
	Efficient compressed air nozzle ≤1/4"	Standard air nozzle	\$30.00/unit
	Efficient compressed air nozzle >1/4"	Standard air nozzle	\$60.00/unit
	Cycling refrigerated compressed air dryer	Standard air dryer	\$2.00/CFM

Table 4 Notes:

1. PC network power management incentive applies to desktop units only.

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.	\$125.00/door
	Install auto-closer – reach-in	Damaged auto-closer, low temp.	\$100.00/door
	Install auto-closer – walk-in	No/damaged auto-closer, med. temp.	\$100.00/door
	Install auto-closer – reach-in	Damaged auto-closer, med. temp.	\$ 70.00/door
	Add anti-sweat heat controls	Low/med. temp. case w/out controls	\$ 40.00/linear foot
	Freezer to dock automatic high speed door	Manual or electric warehouse door	\$8,000.00
	Freezer to refrigerator automatic high speed door	Manual or electric warehouse door	\$4,000.00
	Freezer strip curtain	No protective barrier	\$150.00
Refrigerated strip curtain	No protective barrier	\$150.00	

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PRESCRIPTIVE RETROFIT INCENTIVES (Continued)

TABLE 5: RETROFIT - FOOD SERVICE EQUIPMENT (Continued)			
Equipment category	Installing	Replacing	Incentive Per Unit
Evaporator Fans	Add evaporator fan controls	Low or med. temp. walk-in or reach-in with no controls	\$ 75.00/fan
	Install ECM/PSC evap fan motor	Med. or low temp. walk-in	\$100.00/motor
	Install ECM/PSC fan motor	Med. or low temp. reach-in	\$ 60.00/motor
Floating Head, Suction Pressures	Head pressure controller	Standard head pressure control	\$ 80.00/hp
	Suction pressure controller	Standard suction pressure control	\$ 20.00/hp
Demand Controlled Kitchen Ventilation Exhaust Hood	VFD installed on kitchen exhaust and/or makeup air fan	Kitchen hood with constant speed ventilation motor	\$200/hp
Vending Machines	Non-cooled snack control	Vending machine with no sensor	\$ 50.00
Commercial Kitchen Equipment	ENERGY STAR® undercounter dishwasher	Standard dishwasher	\$200.00
	ENERGY STAR® commercial dishwasher	Standard commercial dishwasher	\$500.00
	ENERGY STAR® listed electric combination oven (6-15 pans)	Standard electric oven	\$1,100.00
	ENERGY STAR® listed electric combination oven (16-20 pans)	Standard electric oven	\$300.00
	ENERGY STAR® listed electric convection oven	Standard electric oven	\$300.00
	ENERGY STAR® listed electric fryer	Standard fryer	\$400.00
	ENERGY STAR® listed electric steamer - 3 pan - 4 pan - 5 pan - 6 pan - 10 pan or larger	Standard steamer	\$ 80.00
	\$100.00		
	\$150.00		
	\$175.00		
	\$200.00		

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PRESCRIPTIVE RETROFIT INCENTIVES (Continued)

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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	Single speed HVAC system fan/pump	\$ 60.00/hp
	Variable speed drive on HVAC fan applications: - Supply - Return - Outside air - Make-up air - Hot water pumps	Single speed HVAC system fan/pump	\$100.00/hp
	Variable speed drive on potato and onion storage shed ventilation	No existing VSD	\$200.00/hp
	VFD on milking vacuum pump	No existing VSD	\$250/hp

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.
Daylight Photo Controls	\$0.25 per square foot of daylight space	Daylight photo controls dim or turn off electric lights in response to levels of natural daylight. To qualify for an incentive, the design must include a consultation with the Integrated Design Lab or other qualified daylighting professional.
Occupancy Sensors	\$25.00 per sensor installed	Occupancy sensors are automatic switching devices that sense human occupancy and control the lighting system accordingly. Either wall- or ceiling-mounted sensors are eligible.
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)

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TABLE 8: AIR CONDITIONING (HVAC) FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS

Measure Type	Incentive	Eligibility Requirements					
Efficient Air-cooled AC, HP and VRF units	Part A: \$30.00 Part B: \$75.00 Part C: \$100.00 per ton of air conditioning	Equipment Type	Size Category (single & three phase units)	Sub-Category	Part A: \$30/ton	Part B: \$75/ton	Part C: \$100/ton
		Unitary Commercial Air Conditioners, Air Cooled (Cooling Mode)	<=5 tons	Split system & single package	CEE Tier 1	CEE Tier 2	N/A
		Heat Pumps, Air-Cooled (Cooling Mode)	<=5 tons	Split system & single package	CEE Tier 1	CEE Tier 2	N/A
		Variable Refrigerant Flow Units	<=64 tons	Multi-split AC or Heat Pump	N/A	CEE Tier 1	N/A
			<=5 tons	Multi-split AC or Heat Pump	N/A	N/A	CEE Tier 2

NOTE: Efficiency is based on AHRI and ISO standards.

Efficient Chillers	Incentive	Equipment Type	Size Category	Requirement
	\$40.00 per ton for water cooled \$80.00 per ton for air-cooled	Air Cooled Chiller with Condenser	<150 tons	IPLV: 16.2 EER or higher
			>=150 tons	IPLV: 16.6 EER or higher
		Water Cooled Chiller electrically operated, reciprocating & positive displacement	<75 tons	IPLV: 0.50 OR LESS (kW/ton)
			>=75 and <150 tons	IPLV: 0.47 OR LESS (kW/ton)
			>=150 and <300 tons	IPLV: 0.44 OR LESS (kW/ton)
			>=300 and <600 tons	IPLV: 0.42 OR LESS (kW/ton)
			>=600 tons	IPLV: 0.40 OR LESS (kW/ton)
		Water Cooled Chiller electrically operated, centrifugal	<150 tons	IPLV: 0.45 OR LESS (kW/ton)
			>=150 and <300 tons	IPLV: 0.43 OR LESS (kW/ton)
			>=300 and <400 tons	IPLV: 0.41 OR LESS (kW/ton)
			>=400 tons	IPLV: 0.40 OR LESS (kW/ton)

NOTES:

- 1) Only primary use chillers will qualify. Chillers intended for backup service only are not eligible.
- 2) Air-cooled chiller efficiencies must include condenser fan energy consumption.
- 3) Efficiency ratings for IPLV kW/ton must be based on ARI standard rating conditions per ARI-550-98 & ARI-590-98.
- 4) IPLV = Integrated Part Load Value.

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PRESCRIPTIVE NEW CONSTRUCTION INCENTIVES (Continued)

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TABLE 8: AIR CONDITIONING (HVAC) FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS (Continued)		
Measure Type	Incentive	Eligibility Requirements
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.
Direct Evaporative Coolers	\$200.00 per ton	Installation of a direct evaporative cooling system. Evaporatively pre-cooled DX systems do not qualify under this measure.

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.

TABLE 10: CONTROLS FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS		
Measure Type	Incentive	Eligibility Requirements
Energy Management Control System	Part A: \$60.00 per ton for 1-strategy Part B: \$70.00 per ton for 2-strategies Part C: \$80.00 per ton for 3-strategies Part D: \$90.00 per ton for 4-strategies Part E: \$100.00 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.

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COMMERCIAL AND INDUSTRIAL ENERGY EFFICIENCY
(Continued)**

PRESCRIPTIVE NEW CONSTRUCTION INCENTIVES (Continued)

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TABLE 10: CONTROLS FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS (Continued)		
Measure Type	Incentive	Eligibility Requirements
HVAC Variable Speed Drives	Part A: \$ 60.00 per hp Part B: \$100.00 per hp Part C: \$200.00 per hp	Variable speed controls for fans, pumps and other variably-loaded electric HVAC motors Variable speed drive on HVAC system applications: Part A: \$60/hp <ul style="list-style-type: none"> • Chilled water pumps • Condenser water pumps • Cooling tower fans Part B: \$100/hp <ul style="list-style-type: none"> • Supply fan • Return fan • Outside air fan • Make-up air fan • Hot water pumps Part C: \$200/hp <ul style="list-style-type: none"> • Potato/onion storage shed ventilation
Demand Controlled Kitchen Ventilation Exhaust Hood	\$200.00 per hp	Variable speed drives installed for exhaust and/or makeup air fans on commercial kitchen hoods.

TABLE 11: APPLIANCES WITH ELECTRIC WATER HEATING FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS		
Measure Type	Incentive	Eligibility Requirements
Efficient Laundry Machines (Electric)	\$125.00 per unit	ENERGY STAR® clothes washer that has both electric water heating and uses an electric dryer
Efficient Undercounter Dishwashers (Electric)	\$200.00 per unit	Undercounter dishwasher that is ENERGY STAR® certified or better efficiency.
Efficient Commercial Dishwashers (Electric)	\$500.00 per unit	Doored, single or multi tank conveyor style dishwasher that is ENERGY STAR® certified or better efficiency and is located in fast food, pizza, full service restaurants or cafeterias.

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(Continued)**

PRESCRIPTIVE NEW CONSTRUCTION INCENTIVES (Continued)

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TABLE 12: REFRIGERATION FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS		
Measure Type	Incentive	Eligibility Requirements
Refrigeration Head Pressure Controls	\$40.00 per compressor hp	Refrigeration systems with head pressure controls.
Refrigeration Floating Suction Controls	\$10.00 per compressor hp	Refrigeration systems with floating suction controls.
Efficient Refrigeration Condensers	\$20.00 per ton of refrigeration	Refrigeration condensers that incorporate specific strategies that result in energy savings over standard operation.
Strip Curtain	\$150 per curtain/door	For walk-in freezers with an unobstructed door opening
	\$150 per curtain/door	For walk-in refrigerators with an unobstructed door opening
Automatic High Speed Doors	\$4,000 per door/opening	Freezer to Refrigerator: Door controls with automatic control to open and close.
	\$8,000 per 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
Smart Power Strips	\$10.00 per power strip	Load-sensing, motion-sensing, or timer-controlled power strip.
High Volume Low Speed Fan	\$2,000 per fan	High volume low speed fans installed
Air compressor VFD	\$150 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	\$300 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	\$7.50 per hp	Installing a low-pressure filter that has a pressure drop between 1 and 3 psi.
Cycling Refrigerated Compressed Air Dryer	\$2 per CFM	Installing an efficient refrigerated compressed air dryer that cycles on and off based on the need during part load demand.
Efficient Compressed Air Nozzle	<= 1/4": \$30 per unit	Installing an efficient air nozzle that reduces the amount of air compared to a standard nozzle but produces the same performance.
	> 1/4": \$60 per unit	

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PRESCRIPTIVE NEW CONSTRUCTION INCENTIVES (Continued)

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Engine Block Heater Controls	Wall Mounted: \$50 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: \$100 per unit	Control that cycles the heater on based on engine temperature.
Dairy VFD	Vacuum Pump: \$250 per hp	Installing a VFD on the pump that slows down the motor during normal operation and then speeds up when necessary.

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.

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 \$0.18 per first-year kilowatt-hour saved under either incentive option.

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

1. Up to \$0.18 per first-year kilowatt-hours saved
2. 70% of eligible project costs

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(Continued)

CUSTOM INCENTIVE OPTIONS (Continued)

OPTIONS (Continued)

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 \$0.18 per first-year kilowatt-hours saved
- 2. 100% of eligible project costs

ENERGY MANAGEMENT

QUALIFICATIONS

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 kilowatt-hours saved
- 2. 100% of eligible costs

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 INITIATIVE

The Green Motors Initiative employs 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 25 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. Each motor receiving Green Rewind is verified by a non-profit trade organization, Green Motors Practice Group. Motors must be rewound in a certified participating service center that has the equipment and training to perform Green Rewind. For a current list of motor service centers offering Green Rewind please see <https://www.greenmotors.org/motor-service-centershttp://greenmotors.org/practicing.htm>. Some motors may not be able to qualify as a green rewind due to extenuating circumstances, such as a damaged stator or rotor.

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SCHEDULE 89
COMMERCIAL AND INDUSTRIAL ENERGY EFFICIENCY
(Continued)

SMALL BUSINESS DIRECT INSTALL

QUALIFICATIONS

The Small Business Direct Install program is available to Idaho Power business customers using up to 25,000 kilowatt-hours annually. The program will be offered over a three-year period, November 2019 through December 2022, and will be offered in specific geographic regions of Idaho Power’s service area for a limited time during that three-year period. Eligible customers will be informed by direct mail letter and other marketing strategies when the program will be in their region. Marketing material will include a program website and phone number customers may call to obtain program information and sign up to participate.

SERVICES PROVIDED

The Small Business Direct Install program will offer to customers the installation of energy efficient products at no cost to the customer. Project installations will be performed by contractors hired by an Idaho Power contractor, and all products and their installation will be paid for by Idaho Power. Project installations may include energy saving LED product, occupancy sensors, and a smart power strip measure, as applicable.

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COMMERCIAL AND INDUSTRIAL ENERGY EFFICIENCY
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