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April 9, 2021

VIA ELECTRONIC FILING

puc.FilingCenter@puc.oregon.gov

Re: Oregon Tariff Advice No. 21-03
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”) transmits for filing to the Public Utility Commission of Oregon (“Commission”) the following proposed modifications to Schedule 89, Commercial and Industrial Energy Efficiency (“Schedule 89”), to become effective June 1, 2021:

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

In its filing, the Company is proposing changes to the prescriptive Retrofits non-lighting measures and New Construction measures through measure additions, removals, or modifications. All proposed measures pass the Total Resource Cost (TRC) cost-effectiveness test. Idaho Power also proposes two housekeeping items be updated in Schedule 89.

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. During 2020, Idaho Power claimed 129,593,880 kilowatt-hours (“kWh”) of annual savings for the program on a system-wide basis, and 4,029,715 kWh of annual savings in its Oregon jurisdiction specifically.

It is the Company's goal to offer a robust cost-effective program that encourages participation and wise energy use. The ever-changing nature of market conditions, assumptions, and parameters that determine cost-effectiveness, and therefore prudent spending of customer funds, requires continuous evaluation so that the C&I Program can effectively serve its target customers. As such, the C&I Program must routinely be updated to incorporate changes that will help drive customer participation while maintaining a cost-effective program.

In 2020, Idaho Power contracted with ADM Associates ("ADM"), and in 2021, received an updated Technical Reference Manual ("TRM"). Through this process, ADM reviewed and updated measure kWh savings, measure costs, and measure specifications for the C&I Program. In addition to the updates to the TRM, the Regional Technical Forum ("RTF") guidelines have recently been updated, as have Idaho Power's Demand-Side Management ("DSM") alternate costs. As a result, the Company's cost-effectiveness models have been updated to reflect the new information, which has resulted in the need to propose several adjustments to measures in the C&I Program.

Finally, Idaho Power proposes to remove several measures from the C&I Program that previously received a cost-effectiveness exception under Advice No. 18-08. After reviewing these measures with the updated savings and cost assumptions from the TRM and RTF, the Company has found that it is unlikely that these measures will become cost-effective in the future. As a result, Idaho Power is seeking to remove these measures from the C&I Program.

Given the extent of the modifications requested, Idaho Power has provided a redline copy of the existing tariff to assist the Commission and Commission Staff in its review. Further, the Company has articulated each proposed change along with the associated rationale by table.

Prescriptive Retrofits Measures

Idaho Power proposes the following Prescriptive Retrofits measure changes listed by Table, change type, and the reason for the proposed change. To assist in review of the modifications, the Company has identified the proposed changes to each table in the following order: (1) removal of an equipment category or measure, (2) reduction in incentive, (3) modification to existing measure, (4) increase in incentive, and (5) addition of a new measure.

Schedule 89 Table 2: RETROFIT – HVAC AND HVAC CONTROLS

- Remove Air Conditioning (AC) Units equipment category. The measures do not pass the TRC cost-effectiveness test, and the Company previously received a cost-effectiveness exception under Advice No. 18-08. The Company does not expect the cost-effectiveness to improve.
- Remove Heat Pump (HP) Units equipment category. The measures do not pass the TRC cost-effectiveness test, and the Company previously received a cost-effectiveness exception under Advice No. 18-08 and UM 1710. The Company does not expect the cost-effectiveness to improve.
- Remove Chiller Units equipment category and their measures. The measures do not pass the TRC cost-effectiveness test due to updated baseline assumptions, savings, and costs from the TRM.

- Remove Evaporative Coolers equipment category. The measure does not pass the TRC cost-effectiveness test due to updated DSM alternate costs.
- Remove Automated Control Systems installing EMS control with 1 strategy (New System). The measure does not pass the TRC cost-effectiveness test due to updated DSM alternate costs.
- Increase incentives on the following Automated Controls Systems measures as follows to encourage increased customer participation by offsetting the updated measure costs identified in the TRM:
 - EMS controls with 2 strategies: Retrofit System from \$125/ton to \$150/ton, and New System from \$70/ton to \$80/ton.
 - EMS controls with 3 strategies: Retrofit System from \$150/ton to \$175/ton, and New System from \$80/ton to \$100/ton.
 - EMS controls with 4 strategies: Retrofit System from \$175/ton to \$200/ton, and New System from \$90/ton to \$120/ton.
 - EMS controls with 5 strategies: Retrofit System from \$200/ton to \$225/ton, and New System from \$100/ton to \$140/ton.
- Increase the incentive on the ECM motor in HVAC application measure from \$100/motor to \$200/motor to reflect the updated measure costs in the TRM and encourage increased customer participation.
- Add equipment category Air Conditioning Tune-Up for unitary or split system AC \geq 3 tons with an incentive of \$25/ton. This is a new measure added to the TRM and provides customers with a new option for program participation.

Schedule 89 Table 3: RETROFIT – BUILDING SHELL

- Remove the Premium Windows equipment category. The measure does not pass the TRC cost-effectiveness test, and the Company previously received a cost-effectiveness exception under Advice No. 18-08. The Company does not expect the cost-effectiveness to improve. Also, remove associated Note 1 in Table 3 Notes.
- Remove the Ceiling Insulation equipment category. The measure does not pass the TRC cost-effectiveness test, and the Company previously received a cost-effectiveness exception under Advice No. 18-08. The Company does not expect the cost-effectiveness to improve.

Schedule 89 Table 4: RETROFIT – OTHER EQUIPMENT

- Remove the Computers equipment category because the measure is now standard practice and was removed from the TRM. Also, remove associated Note 1 in Table 4 Notes.
- Remove the Stock Tank equipment category because the measure is now standard practice.
- Remove Synchronous belt from the Motor Belts equipment category. The measure does not pass the TRC cost-effectiveness test. The Company previously received a cost-effectiveness exception under Advice No. 18-08. The Company does not expect the cost-effectiveness to improve.

- Remove the Commercial showerhead electric water heat equipment category due to the RTF deactivating savings.
- Remove the Smart Power Strips equipment category because the measure is not cost-effective under the TRC. Updated savings from the RTF further lowered the savings and the measure has had low participation. The Company previously received a cost-effectiveness exception under Advice No. 18-08 and UM 1710. The Company does not expect the cost-effectiveness to improve.
- Remove Standby generation stationary pump-driven circulating block heaters. The measure does not pass the TRC cost-effectiveness test due to updated baseline assumptions, savings, and costs from the TRM.
- Remove Cycling refrigerated compressed air dryer. The measure does not pass the TRC cost-effectiveness test. The Company previously received a cost-effectiveness exception under Advice No. 18-08. The Company does not expect the cost-effectiveness to improve.
- Reduce incentive for No-loss condensate drain from \$300/unit to \$200/unit due to a decrease in the measure cost assumption from the TRM.
- Consolidate Efficient compressed air nozzle measures into a single measure by removing the equipment size requirements with an incentive at \$80/unit to align with updates in the TRM which no longer separates the savings and costs by equipment size. Increase incentive based on updated measure savings and costs in the TRM to encourage increased customer participation.
- Increase incentive for High efficiency clothes washer from \$125/unit to \$200/unit to reflect updated measure information in the TRM and encourage increased customer participation. Remove electric HW requirement and replace with a paired with an electric dryer requirement which also reflects updated measure information in the TRM.
- Increase incentive for Wall-mounted engine block heater control from \$50/unit to \$100/unit. The Company's updated analysis identified room to increase the incentive to encourage increased customer participation.
- Increase incentive for Engine-mounted engine block heater control from \$100/unit to \$150/unit. The Company's updated analysis identified room to increase the incentive to encourage increased customer participation.
- Increase incentive for VFD on air compressor from \$150/hp to \$200/hp to reflect the updated measure cost in the TRM and encourage increased customer participation.
- Increase incentive for Low pressure drop filter from \$7.50/hp to \$10.00/hp to reflect updated measure cost in the TRM and encourage increased customer participation.
- Add High efficiency battery charger to the Engine Block Heater and Controls equipment category with an incentive of \$200/unit. This is a new measure added to the TRM and offers customers a new option for program participation.

Schedule 89 Table 5: RETROFIT – FOOD SERVICE EQUIPMENT

- Remove the Install auto-closer – reach-in (Damaged low temp.) measure in the Refrigeration equipment category. The measure does not pass the TRC cost-effectiveness test due to updated measure cost assumptions from the TRM.

- Remove the Install auto-closer – walk-in (No/damaged med. temp.) measure in the Refrigeration equipment category. The measure does not pass the TRC cost-effectiveness test due to updated measure cost assumptions from the TRM.
- Remove the Install auto-closer – reach-in (Damaged med. temp.) measure in the Refrigeration equipment category. The measure does not pass the TRC cost-effectiveness test due to updated measure cost assumptions from the TRM.
- Remove the Add anti-sweat heat controls measure in the Refrigeration equipment category. The measure does not pass the TRC cost-effectiveness test due to updated measure cost assumptions from the TRM.
- Remove the Evaporator Fans equipment category. This category was removed from the TRM because of restrictions to the unit size and fitting. This results in most new models failing to qualify as viable replacements for an existing unit.
- Remove the Floating Head Suction Pressures equipment category. The measures do not pass the TRC cost-effectiveness test due to updated DSM alternate costs. The Company previously received a cost-effectiveness exception for suction pressure controllers under Advice No. 18-08. The Company does not expect the cost-effectiveness to improve.
- Remove the Vending Machines equipment category because non-cooled snack controls are now standard practice and were removed from the TRM.
- Remove the ENERGY STAR undercounter dishwasher measure in the Commercial Kitchen equipment category. The RTF deactivated savings for efficient commercial dishwashers and the measure was removed from the TRM.
- Remove the ENERGY STAR commercial dishwasher measure in the Commercial Kitchen equipment category. The RTF deactivated savings for efficient commercial dishwashers and the measure was removed from the TRM.
- Remove the ENERGY STAR listed electric convection ovens measure in the Commercial Kitchen equipment category. The measure does not pass the TRC cost-effectiveness test due to updated savings and cost assumptions from the RTF.
- Remove the ENERGY STAR listed electric fryer measure in the Commercial Kitchen equipment category. The measure does not pass the TRC cost-effectiveness test due to updated savings and cost assumptions from the RTF.
- Reduce incentive of the ENERGY STAR listed electric combination oven (6-15 pans) from \$1,100/unit to \$800/unit due to a decrease in measure cost assumptions from the RTF. Also, modify parameter from 6-15 pans to 5-15 pans to align with RTF sizing.
- Restructure incentive for automatic high-speed doors from an incentive per door to an incentive per square foot of door opening to align with updates to the TRM:
 - Update Freezer to dock automatic high-speed door from \$8,000/door to \$320/SQFT door opening.
 - Update Freezer to refrigerator automatic high-speed door from \$4,000/door to \$160/SQFT door opening.
- Restructure incentive for strip curtains from an incentive per door to an incentive per square foot door of opening to align with updates to the TRM:
 - Update Freezer strip curtain from \$150/curtain to \$5/SQFT door opening.
 - Update Refrigerated strip curtain from \$150/curtain to \$5/SQFT door opening.

- Consolidate the five ENERGY STAR listed electric steamer measures into a single measure for all pans with an incentive of \$30/pan to simplify the measure offering.
- Increase incentive for Install auto-closer – walk-in (No/damaged low temp.) from \$125/door to \$400/door to reflect measure updates in the TRM and encourage increased customer participation.
- Increase incentive for VFD installed on kitchen exhaust and/or makeup air fan from \$200/hp to \$250/hp to align with the TRM and encourage increased customer participation.
- Add Refrigerator to dock automatic high-speed door to the Refrigeration equipment category with an incentive of \$80/SQFT door opening. This is a new measure in the TRM and RTF and offers customers an additional way to participate in the program.
- Add ENERGY STAR v3.0 commercial ice machine ≥ 200 lbs/day to the Commercial Kitchen equipment category with an incentive of \$300/unit to reflect updated measure information in the TRM and encourage increased customer participation.
- Add ENERGY STAR hot food holding cabinet - Half-Size: < 13 cu.ft. to the Commercial Kitchen equipment category with an incentive of \$200/unit. This is a new measure in the TRM and RTF and offers customers an additional way to participate in the program.
- Add ENERGY STAR hot food holding cabinet - Full-Size: ≥ 13 and < 28 cu.ft. to the Commercial Kitchen equipment category with an incentive of \$400/unit. This is a new measure in the TRM and RTF and offers customers an additional way to participate in the program.
- Add On-demand Overwrapper to the Commercial Kitchen equipment category with an incentive of \$100/unit to reflect the new RTF measure and offer customers a new opportunity for program participation.

Schedule 89 Table 6: RETROFIT – VARIABLE SPEED/FREQUENCY DRIVES

- Consolidate the two Variable speed drive on HVAC application measures into a single measure with an incentive of \$125/hp to align with updates in the TRM which no longer separated the savings and costs for two different HVAC applications. Also, increase the incentives based on updated measure savings and costs in the TRM to encourage increased customer participation.
- Increase incentive for Variable speed drive on potato and onion storage shed ventilation from \$200/hp to \$250/hp. The Company's updated analysis identified room to increase the incentive to encourage increased customer participation.
- Add VFD on dairy milk transfer pump to the Variable Speed Controls equipment category with an incentive of \$1,500/VFD to provide an additional savings opportunity for customers.

Prescriptive New Construction Measures

Idaho Power proposes the following Prescriptive New Construction measure changes listed by Table, change type, and the reason for the proposed change. To assist in review of the modifications, the Company has identified the proposed changes to each table in the following order: (1) removal of an equipment category or measure, (2) reduction in incentive, (3) modification to existing measure, (4) increase in incentive, and (5) addition of a new measure.

Schedule 89 Table 7: LIGHTING FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS

- Remove the Daylight Photo Controls measure type because they are typically required by code.
- Remove the Occupancy Sensors measure type. The measure does not pass the TRC cost-effectiveness test due to updated savings assumptions from the TRM and DSM alternate costs.
- Add measure type Networked Lighting Controls at \$0.26 per kWh saved for interior lighting and \$0.20 per kWh saved for exterior lighting. This is a new measure added to the TRM and provides customers with a new option for program participation.

Schedule 89 Table 8: AIR CONDITIONING (HVAC) FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS

- Remove Efficient Air-cooled AC units Unitary Commercial Air Conditioners, Air Cooled (Cooling Mode) for Consortium for Energy Efficiency (“CEE”) Tier 1 and Tier 2 efficiency at \$30 and \$75 per ton. The measures do not pass the TRC cost-effectiveness test. The Company previously received a cost-effectiveness exception under Advice No. 18-08. The Company does not expect the cost-effectiveness to improve.
- Remove Efficient Air-cooled AC Variable Refrigerant Flow Units for CEE Tier 1 and CEE Tier 2 efficiency at \$75 and \$100 per ton. The measures do not pass the TRC cost-effectiveness test. The Company previously received a cost-effectiveness exception under Advice No. 18-08. The Company does not expect the cost-effectiveness to improve.
- Remove the Efficient Chillers measure type. The measures do not pass the TRC cost-effectiveness test due to updated savings and cost assumptions from the TRM. Also, remove associated Notes 1 through 4 in Table 8 Notes.
- Remove the Direct Evaporative Coolers measure type. The measure does not pass the TRC cost-effectiveness test due to updated savings and cost assumptions from the TRM.
- Modify Table 8 for Efficient heat pump (“HP”) and HP Variable Refrigerant Flow (“VRF”) units. The measures and incentive levels were restructured to reflect updated measure information in the TRM and maintain cost-effectiveness. The updated TRM increases the sizes allowed for heat pumps, as well as adjusts the incentive levels for heat pumps and heat pump variable refrigerant flow units.
 - Increase Part A incentive level from \$30/ton to \$50/ton.
 - Heat Pumps, Air Cooled (Cooling Mode) <=64 tons CEE Tier 1 efficiency incentive increases based on modified Part A incentive level.
 - Decrease Part B incentive level from \$75/ton to \$70/ton.

- Heat Pumps, Air Cooled (Cooling Mode) <=5 tons CEE Tier 2 efficiency incentive decreases based on modified Part B incentive level.
- Decrease Part C incentive level from \$100/ton to \$85/ton.
 - Heat Pumps, Air-Cooled Variable Refrigerant Flow Units (Cooling Mode) all sizes CEE Tier 2 efficiency incentive decreases based on modified Part C incentive level.
- Move measure to Part A incentive level at \$50 per ton.
 - Heat Pumps, Air Cooled Variable Refrigerant Flow Units (Cooling Mode) all sizes CEE Tier 1 efficiency incentive decreases.
- Expand size requirement up to 64 tons for Heat Pumps, Air Cooled (Cooling Mode) for CEE Tier 1.
- Expand size requirement to “All Sizes” for Heat Pumps, Air-Cooled Variable Refrigerant Flow Units (Cooling Mode).

Schedule 89 Table 10: CONTROLS FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATION

- Remove Energy Management Control System Part A for 1-strategy at \$60 per ton. The measure does not pass the TRC cost-effectiveness test due to updated DSM alternate costs. Marked as “N/A” since Parts B through E are still applicable.
- Consolidate HVAC Variable Speed Drives Part A and Part B into a single measure with an incentive of \$125 per hp to align with updates in the TRM which no longer separates the savings and costs for two different HVAC applications. Increase the incentives based on updated measure savings and costs in the TRM to encourage increased customer participation.
- Increase incentive for HVAC Variable Speed Drives Part C Potato/onion storage shed ventilation from \$200 per hp to \$250 per hp. The Company’s updated analysis identified room to increase the incentive to encourage increased customer participation. Also, rename to Part B after consolidating original Part A and Part B in the consolidated measure above.
- Increase Energy Management Control System incentives to reflect the updated measure costs in the TRM and encourage increased customer participation.
 - Part B for 2-strategies from \$70 per ton to \$80 per ton.
 - Part C for 3-strategies from \$80 per ton to \$100 per ton.
 - Part D for 4-strategies from \$90 per ton to \$120 per ton.
 - Part E for 5-strategies from \$100 per ton to \$140 per ton.
- Increase incentive for Demand Controlled Kitchen Ventilation Exhaust Hood from \$200 per hp to \$250 per hp to align with the updated measure information in the TRM and encourage increased customer participation.

Schedule 89 Table 11: APPLIANCES FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS

- Edit Table 11 name. Electric water heating is no longer a requirement for the measures under Table 11. Therefore, “with electric water heating” should be removed from the title and read as follows: Table 11: Appliances for New Construction, Expansion, or Major Renovations. This is to properly represent the measures contained within the table.

- Remove the Efficient Undercounter Dishwashers (Electric) measure type. The RTF deactivated savings for efficient undercounter and commercial dishwashers and the measure was removed from the TRM.
- Remove the Efficient Commercial Dishwashers (Electric) measure type. The RTF deactivated savings for efficient undercounter and commercial dishwashers and the measure was removed from the TRM.
- Increase incentive for Efficient Laundry Machines (Electric) from \$125 per unit to \$200 per unit. Also, remove the electric water heating requirement and add the requirement that the washer be paired with an electric dryer. This is to reflect updated measure information in the TRM and encourage increased customer participation.

Schedule 89 Table 12: REFRIGERATION FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS

- Remove the Refrigeration Head Pressure Controls measure type. The measure is typically required by code and is industry standard for new construction.
- Remove the Refrigeration Floating Suction Controls measure type. The measure is typically required by code and is industry standard for new construction.
- Remove Efficient Refrigeration Condensers measure type. The measure does not pass the TRC cost-effectiveness test due to updated measure cost assumptions from the TRM.
- Remove the Strip Curtain measure type. The measure is typically required by code and is industry standard for new construction.
- Restructure incentive for Automatic High-Speed Doors from an incentive per door to an incentive per square foot of door opening to align with updates in the TRM:
 - Update Freezer to Refrigerator from \$4,000 per door to \$160/SQFT door opening.
 - Update Freezer to Dock from \$8,000 per door to \$320/SQFT door opening.
- Add Automatic High-Speed Doors Dock to Refrigerator under the Automatic High Speed Doors measure type with an incentive of \$80/SQFT door opening to reflect updated measure information in the TRM and encourage increased customer participation.

Schedule 89 Table 13: EQUIPMENT FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS

- Remove Smart Power Strips measure type because the measure is not cost-effective under the TRC test. Updated savings from the RTF further lowered the savings and the measures has had low participation. The Company previously received a cost-effectiveness exception under Advice No. 18-08 and UM 1710. The Company does not expect the cost-effectiveness to improve.
- Remove Cycling Refrigerated Compressed Air Dryer measure type. The measure does not pass the TRC cost-effectiveness test. The Company previously received a cost-effectiveness exception under Advice No. 18-08. The Company does not expect the cost-effectiveness to improve.
- Remove Dairy VFD measure type. The measure does not pass the TRC cost-effectiveness test due to updated savings and cost assumptions from the TRM.
- Reduce incentive for No-Loss Condensate Drain from \$300 per unit to \$200 per unit to maintain program consistency and due to a decrease in the measure cost assumption from the TRM.

- Consolidate Efficient Compressed Air Nozzle measures into a single measure by removing the equipment size requirements with an incentive at \$80 per unit. Restructured to align with updates in the TRM which no longer separates savings by equipment size. Increase the incentive based on updated measure savings and costs in the TRM to encourage increased customer participation.
- Increase incentive for Air compressor VFD from \$150 per hp to \$200 per hp to reflect the updated measure costs in the TRM and encourage increased customer participation.
- Increase incentive for Low Pressure Drop Filter from \$7.50 per hp to \$10.00 per hp to reflect updated measure costs in the TRM and encourage increased customer participation.
- Increase incentive for Engine Block Heater Controls Wall Mounted from \$50 per unit to \$100 per unit. The Company's updated analysis identified room to increase the incentive to encourage increased customer participation.
- Increase incentive for Engine Block Heater Controls Engine Mounted from \$100 per unit to \$150 per unit. The Company's updated analysis identified room to increase the incentive to encourage increased customer participation.
- Add measure type Dairy/Milk Transfer Pump VFD with an incentive of \$1,500 per unit to Measure was added in the previous version of the TRM and offer customers additional ways to participate in the program.
- Add measure type Circulation Generator Block Heaters with the following incentives to reflect updated measure information in the TRM and encourage increased customer participation:
 - ≤ 200kW with an incentive of \$200.
 - 201 - 500 kW with an incentive of \$350.
 - 501 - 1,000 kW with an incentive of \$500.
- Add measure type Ice Machine – Commercial ENERGY STAR with a capacity of ≥200lbs per day with an incentive of \$300 per unit to reflect updated measure information in the TRM and encourage increased customer participation.
- Add measure type High Efficiency Battery Chargers with an incentive of \$200 per unit. This is a new measure in the TRM and offers customers additional ways to participate in the program.

Housekeeping Items

Item 1

The first item is related to tariff changes previously approved by the Commission on December 17, 2019 in Advice No. 19-11. In that filing, the Company requested to modify the eligibility requirement for the Green Motors Initiative from 25 horsepower to 15 horsepower, which conformed with the RTF updated guidelines at that time. While the Company's filing referenced this proposed change, the necessary and corresponding edit changing the requirement in the submitted tariff sheet was erroneously omitted. The Company requests the tariff language be updated as part of this filing to reflect the appropriate eligibility requirement.

Item 2

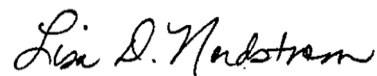
Energy Management is an offering where Customers may qualify for cost-effective improvements that save electricity through operational upgrades. Financial incentives for these kinds of offerings are determined to be the lesser of two calculations. The Company proposes to update the tariff language for the first Energy Management calculation from “\$0.025 per kilowatt-hours saved” to “\$0.025 per **first-year** kilowatt-hour saved.” The update is necessary to clarify the time period for which the incentive calculation is applicable, and it is consistent with the language used for the Custom Incentive Options.

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 June 1, 2021. If you have any questions regarding this filing, please contact Regulatory Analyst Zack Thompson at (208) 388-2982 or zthompson@idahopower.com.

Sincerely,



Lisa Nordstrom

LDN:slb
Attachments

**SCHEDULE 89
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 Tune-Up	Air-conditioning tune-up	Unitary or split system AC >= 3 Tons	\$25.00/ton
Economizers	Air side economizer control addition	No prior control	\$100.00/ton
	Air side economizer control repair	Non-functional economizer	\$50.00/ton
Automated Control Systems			<u>Retrofit System/New System</u>
	EMS control with 1 strategy	Proposed strategy not existing	\$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

(D)
(N)

(D)

(C)

(I)

(I)

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

(M)

(D)

(D)

Table 3 Notes:

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

(D)

(C)

(C)

(M)

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

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	No existing VFD	\$200.00/hp
	Low pressure drop filter	Standard filter	\$10.00/hp
	No-loss condensate drain	Open tube with ball valve	\$200.00/unit
	Efficient compressed air nozzle	Standard air nozzle	\$80.00/unit

TABLE 5: RETROFIT - FOOD SERVICE EQUIPMENT			
Equipment category	Installing	Replacing	Incentive Per Unit
Refrigeration	Install auto-closer – walk-in Freezer to dock automatic high speed door	No/damaged auto-closer, low temp. Manual or electric warehouse door	\$400.00/door \$320.00/SQFT door opening
	Freezer to refrigerator automatic high speed door	Manual or electric warehouse door	\$160.00/SQFT door opening
	Refrigerator to dock automatic high speed door	Manual or electric warehouse door	\$80.00/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

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

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
	ENERGY STAR® hot food holding cabinet – Half Size: < 13 cu. ft.	Standard hot food holding cabinet	\$200.00/unit
	ENERGY STAR® hot food holding cabinet – Full Size: >= 13 and < 28 cu. ft.	Standard hot food holding cabinet	\$400.00/unit
	On-Demand Overwrapper	Standard overwrapper	\$100.00/unit
	ENERGY STAR® listed electric combination oven (5-15 pans)	Standard electric oven	\$800.00/unit
	ENERGY STAR® listed electric combination oven (16-20 pans)	Standard electric oven	\$300.00/unit
	ENERGY STAR® listed electric steamer	Standard steamer	\$ 30.00/pan

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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 - 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 VFD on dairy milk transfer pump	No existing VSD No existing VSD	\$250.00/hp \$1,500.00/VFD

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SCHEDULE 89
COMMERCIAL AND INDUSTRIAL ENERGY EFFICIENCY
(Continued)

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

PRESCRIPTIVE NEW CONSTRUCTION INCENTIVES

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

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

PRESCRIPTIVE NEW CONSTRUCTION INCENTIVES (Continued)

TABLE 12: REFRIGERATION FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS		
Measure Type	Incentive	Eligibility Requirements
Automatic High Speed Doors	\$80.00/SQFT door opening	Dock to Refrigerator. Door controls with automatic control to open and close.
	\$160.00/SQFT door opening	Freezer to Refrigerator: Door controls with automatic control to open and close.
	\$320.00/SQFT door opening	Freezer to Dock: Door controls with automatic control to open and close.

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

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.

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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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SCHEDULE 89
COMMERCIAL AND INDUSTRIAL ENERGY EFFICIENCY
(Continued)

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 \$0.18 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

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

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SCHEDULE 89
COMMERCIAL AND INDUSTRIAL ENERGY EFFICIENCY
(Continued)

ENERGY MANAGEMENT (Continued)

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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 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. 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-centers><http://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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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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SCHEDULE 89
COMMERCIAL AND INDUSTRIAL ENERGY EFFICIENCY
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COMMERCIAL AND INDUSTRIAL ENERGY EFFICIENCY
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SCHEDULE 89
 COMMERCIAL AND INDUSTRIAL ENERGY EFFICIENCY
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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 (AC) Units	Air-conditioning tune-up ≤5 ton AC unit that meets CEE Tier 4	Unitary or split system AC ≥ 3 Tons Standard ≤5 ton AC/HP unit Standard ≤5 ton AC/HP unit Standard ≤5 ton AC/HP unit Standard ≤64 ton AC/HP unit	\$25.00/ton \$ 30.00/ton \$ 75.00/ton \$ 100.00/ton \$ 75.00/ton
	≤5 ton AC unit that meets CEE Tier 2		
	≤5 ton VRF unit that meets CEE Tier 2		
	≤64 ton VRF unit that meets CEE Tier 1		
Economizers	Air side economizer control addition Air side economizer control repair	No prior control Non-functional economizer	\$100.00/ton \$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	Retrofit System/New System \$100.00/ton/ 60.00/ton N/A
	EMS controls with 2 strategies	Proposed strategy not existing	\$1 25 50.00/ton/ 78 0.00/ton
	EMS controls with 3 strategies	Proposed strategy not existing	\$1 50 75.00/ton/ 81 0.00/ton
	EMS controls with 4 strategies	Proposed strategy not existing	\$ 475 200.00/ton/ 91 20.00/ton
	EMS controls with 5 strategies	Proposed strategy not existing	\$ 200 225.00/ton/ 104 0.00/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	\$ 42 00.00/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.

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IDAHO POWER COMPANY ~~THIRD-FOURTH~~ REVISED SHEET NO. 89-3
CANCELS

P.U.C. ORE. NO. E-27 ~~SECOND-THIRD~~ REVISED SHEET NO. 89-3
2. Insulation must be installed in building with electric heat.

Issued by IDAHO POWER COMPANY
By Timothy E. Tatum, Vice President, Regulatory Affairs
1221 West Idaho Street, Boise, Idaho

Advice No. 21-013

OREGON
Issued: ~~February 8~~April 9, 2021
Effective with Service
Rendered on and after:
~~March 10~~June 1, 2021

SCHEDULE 89
COMMERCIAL AND INDUSTRIAL ENERGY EFFICIENCY
-(Continued)

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/ft ² window area
Reflective Roofing	Adding reflective roof treatment	Non-reflective low-pitch roof	\$— 0.05/ft ² roof area
Ceiling Insulation	Increase to R38 min. insulation	Insulation level R11 or less	\$— 0.35/ft ²
Wall Insulation	Increase to R11 min. insulation Increase to R19 min. insulation	Insulation level, R2.5 or less Insulation level, R2.5 or less	\$— 0.40/ft ² wall area \$— 0.55/ft ² 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.~~

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TABLE 4: RETROFIT - OTHER EQUIPMENT

Equipment category	Installing	Replacing	Incentive Per Unit
<u>Computers</u>	<u>PC network power management</u>	<u>No central control software in place</u>	<u>\$ 10.00</u>
Laundry Machines	High efficiency washer	Standard washer <u>paired with electric dryer, electric HW</u>	<u>\$125200.00/unit</u>
<u>Stock Tank</u>	<u>Thermostatically-controlled stock tank de-icer</u>	<u>No existing thermostatically-controlled de-icer</u>	<u>\$50.00/unit</u>
Motor Belts	Type AX notched V-belt Type BX notched V-belt <u>Synchronous belt</u>	Type A solid V-belt Type B solid V-belt <u>Standard fan belt</u>	\$ 5.00/hp* \$ 5.00/hp* <u>\$ 35.00/hp</u> *Incentive capped at \$50/motor
<u>Commercial showerhead, electric water heat</u>	<u>2.0 gpm or less installed in health club/fitness business</u> <u>2.0 gpm or less installed in commercial business (non health club/fitness)</u>	<u>Showerhead using 2.2 gpm or greater</u> <u>Showerhead using 2.2 gpm or greater</u>	<u>\$ 15.00</u> <u>\$ 9.00</u>
<u>Smart Power Strips</u>	<u>Load-sensing, motion-sensing, or timer-controlled power strip</u>	<u>No existing load or motion-sensing, or timer-controlled power strip</u>	<u>\$ 10.00/power strip</u>
<u>Engine Block Heater and controls</u>	<u>Wall-mounted engine block heater control</u>	<u>Standard engine block heater without controls</u>	<u>\$100.00/unit</u>
	<u>Engine-mounted engine block heater control</u>	<u>Standard engine block heater without controls</u>	<u>\$150.00/unit</u>
	<u>High efficiency battery charger</u>	<u>Traditional battery charger</u>	<u>\$200.00/unit</u>
<u>High Volume Low Speed Fan</u>	<u>High volume low speed fan</u>	<u>Standard high speed fan</u>	<u>\$2,000.00/fan</u>
<u>Compressed Air</u>	<u>VFD on air compressor</u> <u>Low pressure drop filter</u> <u>No-loss condensate drain</u> <u>Efficient compressed air nozzle</u>	<u>No existing VFD</u> <u>Standard filter</u> <u>Open tube with ball valve</u> <u>Standard air nozzle</u>	<u>\$200.00/hp</u> <u>\$10.00/hp</u> <u>\$200.00/unit</u> <u>\$80.00/unit</u>

TABLE 5: RETROFIT - FOOD SERVICE EQUIPMENT

Equipment category	Installing	Replacing	Incentive Per Unit
<u>Refrigeration</u>	<u>Install auto-closer – walk-in Freezer to dock automatic high speed door</u>	<u>No/damaged auto-closer, low temp. Manual or electric warehouse door</u>	<u>\$400.00/door</u> <u>\$320.00/SQFT door opening</u>
	<u>Freezer to refrigerator automatic high speed door</u>	<u>Manual or electric warehouse door</u>	<u>\$160.00/SQFT door opening</u>
	<u>Refrigerator to dock automatic high speed door</u>	<u>Manual or electric warehouse door</u>	<u>\$80.00/SQFT door opening</u>
	<u>Freezer strip curtain</u>	<u>No protective barrier</u>	<u>\$5.00/SQFT door opening</u>

IDAHO POWER COMPANY ~~SECOND-THIRD~~ REVISED SHEET NO. 89-4
CANCELS

P.U.C. ORE. NO. E-27 ~~FIRST-SECOND~~ REVISED SHEET NO. 89-4

	Refrigerated strip curtain	No protective barrier	\$5.00/SQFT door opening
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Issued by IDAHO POWER COMPANY
By Timothy E. Tatum, Vice President, Regulatory Affairs
1221 West Idaho Street, Boise, Idaho

Advice No. 21-013

OREGON
Issued: ~~February 8~~ April 9, 2021
Effective with Service
Rendered on and after:
~~March 10~~ June 1, 2021

SCHEDULE 89
 COMMERCIAL AND INDUSTRIAL ENERGY EFFICIENCY
 -(Continued)

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
	Wall-mounted engine block heater control	3 kW or greater	\$1,500/unit
		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	

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Table 4 Notes:

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

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
	ENERGY STAR® hot food holding cabinet – Half Size: < 13 cu. ft.	Standard hot food holding cabinet	\$200.00/unit
	ENERGY STAR® hot food holding cabinet – Full Size: >= 13 and < 28 cu. ft.	Standard hot food holding cabinet	\$400.00/unit
	On-Demand Overwrapper	Standard overwrapper	\$100.00/unit
	ENERGY STAR® listed electric combination oven (5-15 pans)	Standard electric oven	\$800.00/unit
	ENERGY STAR® listed electric combination oven (16-20 pans)	Standard electric oven	\$300.00/unit
	ENERGY STAR® listed electric steamer	Standard steamer	\$ 30.00/pan

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TABLE 6: RETROFIT - VARIABLE SPEED/FREQUENCY DRIVES

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

TABLE 5: RETROFIT - FOOD SERVICE EQUIPMENT

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

SCHEDULE 89
 COMMERCIAL AND INDUSTRIAL ENERGY EFFICIENCY
 -(Continued)

~~PRESCRIPTIVE RETROFIT-NEW CONSTRUCTION INCENTIVES (Continued)~~

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**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

Issued by IDAHO POWER COMPANY
 By Timothy E. Tatum, Vice President, Regulatory Affairs
 1221 West Idaho Street, Boise, Idaho

OREGON
 Issued: ~~February 8~~ April 9, 2021
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Floating Head, Suction Pressures	Head pressure controller Suction pressure controller	Standard head pressure control Standard suction pressure control	\$ 80.00/hp \$ 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

TABLE 7: LIGHTING FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS

Measure Type	Incentive	Eligibility Requirements
<u>Interior Light Load Reduction</u>	Part A: <u>\$0.10</u> Part B: <u>\$0.20</u> Part C: <u>\$0.30</u> <u>per square foot covered by the lighting</u>	<u>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.</u> <u>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.</u>
<u>Exterior Light Load Reduction</u>	<u>\$200.00 per kW below code</u>	<u>Must be a minimum of 15% below the Oregon Energy Efficiency Specialty Code to qualify.</u>
<u>Networked Lighting Controls</u>	<u>\$0.26 per kWh saved (interior) and \$0.20 per kWh saved (exterior)</u>	<u>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.</u>
<u>High Efficiency Exit Signs</u>	<u>\$7.50 per installed sign</u>	<u>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.</u>

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SCHEDULE 89
 COMMERCIAL AND INDUSTRIAL ENERGY EFFICIENCY
 -(Continued)

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 daylit 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.

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

Measure Type	Incentive	Eligibility Requirements					
<u>Efficient Air-cooled HP and HP VRF units</u>	<u>Part A: \$50.00 Part B: \$70.00 Part C: \$85.00 per ton of air conditioning</u>	<u>Equipment Type</u>	<u>Size Category (single & three phase units)</u>	<u>Sub-Category</u>	<u>Part A: \$50.00/ton</u>	<u>Part B: \$70.00/ton</u>	<u>Part C: \$85.00/ton</u>
		<u>Heat Pumps, Air Cooled (Cooling Mode)</u>	<u><=64 tons</u>	<u>Split system & single package</u>	<u>CEE Tier 1</u>	<u>N/A</u>	<u>N/A</u>
			<u><=5 tons</u>	<u>Split system & single package</u>	<u>N/A</u>	<u>CEE Tier 2</u>	<u>N/A</u>
		<u>Heat Pumps, Air Cooled Variable Refrigerant Flow Units (Cooling Mode)</u>	<u>All Sizes</u>	<u>Multi-split Heat Pump</u>	<u>CEE Tier 1</u>	<u>N/A</u>	<u>CEE Tier 2</u>

NOTE: Efficiency is based on AHRI and ISO standards.

<u>Air Side Economizer</u>	<u>\$75.00 per ton of air conditioning economized</u>	<u>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.</u>
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TABLE 9: BUILDING SHELL FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS

Measure Type	Incentive	Eligibility Requirements
<u>Reflective Roof Treatment</u>	<u>\$0.05 per square foot of roof treatment</u>	<u>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.</u>

SCHEDULE 89
 COMMERCIAL AND INDUSTRIAL ENERGY EFFICIENCY
 (Continued)

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					
		Equipment Type	Size Category (single & three-phase units)	Sub-Category	Part A: \$30/ton	Part B: \$75/ton	Part C: \$100/ton
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	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.

TABLE 10: CONTROLS FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS

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<u>Measure Type</u>	<u>Incentive</u>	<u>Eligibility Requirements</u>
<u>Energy Management Control System</u>	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	<u>Systems must provide automatic control for cooling systems and incorporate specific strategies that result in energy savings over standard operation.</u>
<u>Guest Room Energy Management System</u>	<u>\$50.00 per unit of controlled cooling</u>	<u>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.</u>
<u>HVAC Variable Speed Drives</u>	Part A: \$125.00 per hp Part B: \$250.00 per hp	<u>Variable speed controls for fans, pumps and other variably-loaded electric HVAC motors</u> <u>Variable speed drive on HVAC system applications:</u> Part A: <ul style="list-style-type: none"> • <u>Chilled water pumps</u> • <u>Condenser water pumps</u> • <u>Cooling tower fans</u> • <u>Supply fan</u> • <u>Return fan</u> • <u>Outside air fan</u> • <u>Make-up air fan</u> • <u>Hot water pumps</u> Part B: <ul style="list-style-type: none"> • <u>Potato/onion storage shed ventilation</u>
<u>Demand Controlled Kitchen Ventilation Exhaust Hood</u>	<u>\$250.00 per hp</u>	<u>Variable speed drives installed for exhaust and/or makeup air fans on commercial kitchen hoods.</u>

TABLE 11: APPLIANCES FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS

<u>Measure Type</u>	<u>Incentive</u>	<u>Eligibility Requirements</u>
<u>Efficient Laundry Machines (Electric)</u>	<u>\$200.00 per unit</u>	<u>ENERGY STAR® clothes washer paired with an electric dryer</u>

SCHEDULE 89
COMMERCIAL AND INDUSTRIAL ENERGY EFFICIENCY
(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
<u>Automatic High Speed Doors</u>	<u>\$80.00/SQFT door opening</u>	<u>Dock to Refrigerator. Door controls with automatic control to open and close.</u>
	<u>\$160.00/SQFT door opening</u>	<u>Freezer to Refrigerator: Door controls with automatic control to open and close.</u>
	<u>\$320.00/SQFT door opening</u>	<u>Freezer to Dock: Door controls with automatic control to open and close.</u>

TABLE 13: EQUIPMENT FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS

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

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

Measure Type	Incentive	Eligibility Requirements
<u>Air Side Economizer</u>	<u>\$75.00 per ton of air-conditioning economized</u>	<u>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.</u>
<u>Direct Evaporative Coolers</u>	<u>\$200.00 per ton</u>	<u>Installation of a direct evaporative cooling system. Evaporatively pre-cooled DX systems do not qualify under this measure.</u>

TABLE 9: BUILDING SHELL FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS

Measure Type	Incentive	Eligibility Requirements
<u>Reflective Roof Treatment</u>	<u>\$0.05 per square foot of roof treatment</u>	<u>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.</u>

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.

SCHEDULE 89
 COMMERCIAL AND INDUSTRIAL ENERGY EFFICIENCY
 -(Continued)

PRESCRIPTIVE NEW CONSTRUCTION INCENTIVES (Continued)

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

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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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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.

SCHEDULE 89
COMMERCIAL AND INDUSTRIAL ENERGY EFFICIENCY
-(Continued)

PRESCRIPTIVE NEW CONSTRUCTION CUSTOM INCENTIVES OPTIONS (Continued)

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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

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

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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 > 1/4": \$60 per unit	Installing an efficient air nozzle that reduces the amount of air compared to a standard nozzle but produces the same performance.

SCHEDULE 89
COMMERCIAL AND INDUSTRIAL ENERGY EFFICIENCY
-(Continued)

ENERGY MANAGEMENT (Continued)

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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 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. 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-centers><http://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.

(C)

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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PRESCRIPTIVE NEW CONSTRUCTION INCENTIVES (Continued)

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.

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~~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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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~~

SCHEDULE 89
COMMERCIAL AND INDUSTRIAL ENERGY EFFICIENCY
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CUSTOM INCENTIVE OPTIONS (Continued)

OPTIONS (Continued)

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~~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 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 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.~~

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SCHEDULE 89
COMMERCIAL AND INDUSTRIAL ENERGY EFFICIENCY
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~~SMALL BUSINESS DIRECT INSTALL~~

~~QUALIFICATIONS~~

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