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July 12, 2018

Public Utility Commission of Oregon
Filing Center
201 High Street SE, Suite 100
P.O. Box 1088
Salem, Oregon 97301

RE: Supplement to Tariff Advice No. 18-08
Schedule 89 – Commercial and Industrial Energy Efficiency and New Cost-
Effectiveness Exceptions

Attention Filing Center:

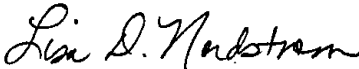
Subsequent to filing changes to Tariff Schedule 89, Commercial and Industrial Energy Efficiency, Idaho Power Company (“Company”) discovered some housekeeping modifications that should be made and transmits for filing a supplement to Advice No. 18-08. The following corrections have been made:

1. The filing date was added to the footer on all sheets.
2. Sheet No. 89-4, Table 2, Air Conditioning Units and Heat Pump Units sections, Installing and Replacing columns – the installation and replacement units have been updated to reflect less than, or equal to, for all measures.
3. Sheet No. 89-5, Table 4, Motor Belts, Incentive Per Unit – the asterisk on the \$35.00/hp amount has been removed as the note does not apply to the synchronous belt measure.

Additionally, the Company discovered an error in Attachment 1; the Utility Cost (BCR) of the T8 Fluorescents should have been 1.34, instead of 1.51.

If you have any questions regarding this filing, please contact Senior Regulatory Analyst Courtney Waites at (208) 388-5612 or cwaites@idahopower.com.

Sincerely,



Lisa D. Nordstrom
Lead Counsel

LDN:kkt

Enclosures

ATTACHMENT 1 (REVISED)

PRESCRIPTIVE RETROFIT INCENTIVES CHANGES

Table	Equipment Category	Installing	Replacing	Reason for Change			Cost Effectiveness Results		
				New Measure	No Customer	Not Cost Effective	Utility Cost (BCR)	Total Resource Cost (BCR)	
1	T8 Fluorescents	2' or 3' T8 and electronic ballast (1 or more lamps)	2', 3' and 4' (u-bent) T12			X	1.34	0.65	(1)
		1-lamp 4' T8 and electronic ballast	1-lamp 4' T12			X	1.34	0.65	(1)
		1- or 2-lamp 4' T8 and electronic ballast	2-lamp 4' T12			X	1.34	0.65	(1)
		2- or 3-lamp 4' T8 and electronic ballast	3-lamp 4' T12			X	1.34	0.65	(1)
		2-, 3- or 4-lamp 4' T8 and electronic ballast	4-lamp 4' T12			X	1.34	0.65	(1)
		1- or 2-lamp 8' T8 and electronic ballast	1- or 2-lamp 8' T12		X				
		2-, 3- or 4-lamp 8' T8 and electronic ballast	3- or 4-lamp 8' T12		X				
		1- or 2-lamp 8' T8 and electronic ballast (slimline & HO)	1- or 2-lamp 8' T12HO/VHO		X				
		2-, 3- or 4-lamp 8' T8 and electronic ballast (slimline & HO)	3- or 4-lamp 8' T12HO/VHO		X				
		1- or 2-lamp 4' T5 and electronic ballast	1- or 2-lamp 4' T12		X	X	1.31/1.60	0.69/0.47	(2)
1	T5 (Non-HO) Fluorescents	2-, 3- or 4-lamp 4' T5 and electronic ballast	3- or 4-lamp 4' T12		X	X	1.31/1.60	0.69/0.47	(2)
1	Compact Fluorescents (CFLs)	Screw-in compact fluorescent ≤ 32 watt	Fixture using > 40 input watts		X				
		Screw-in compact fluorescent 33-59 watt	Fixture using > 100 input watts		X				
		Screw-in compact fluorescent ≥ 60 watt	Fixture using > 150 input watts		X				
		Screw-in cold-cathode ≤ 32 watt	Fixture using > 40 input watts		X				
		Hard-wired compact fluorescent ≤ 49 watts and electronic ballast	Fixture using > 90 input watts		X				
		Hard-wired compact fluorescent 50-99 watts and electronic ballast	Fixture using > 150 input watts		X				
1	Light Emitting Diodes (LEDs)	Screw-in or pin-base LED	Screw-in or pin-base lamp using higher wattage	X					
		HID LED Screw-in replacement lamp	Existing HID lamp using > input watts	X					
		Linear LED tube (Types A, B, and DM)	Fluorescent lamp > 17 watts	X					
		Linear LED tube (Type C)	Fluorescent lamp > 17 watts	X					
		LED hardwired conversion	Fixture using higher wattage	X					
		LED fixture or fixture retrofit kit	Fixture using higher wattage	X					
		LED fixture or fixture kit with single control strategy	Fixture using higher wattage	X					
		LED fixture or fixture kit with multiple control strategies	Fixture using higher wattage	X					
LED fixture with networked controls	Fixture using higher wattage	X							
1	Ceramic/Pulse Start/Electronic Metal Halide	Screw-in reduced wattage metal halide > 125 watt	Metal halide using ≥ 250 input watts		X				
		150-230 input watts metal halide	Fixture using 170-295 input watts		X				
		150-230 input watts metal halide	Fixture using ≥ 296 input watts		X				
		231-360 input watts metal halide	Fixture using > 450 input watts		X				
		361+ input watts metal halide	Fixture using > 600 input watts		X				
1	LED Exit Signs	LED sign lighting retrofit	Existing using > input watts	X					

ATTACHMENT 1 (REVISED)

PRESCRIPTIVE RETROFIT INCENTIVES CHANGES

Table	Equipment Category	Installing	Replacing	Reason for Change			Cost Effectiveness Results	
				New Measure	No Customer	Not Cost Effective	Utility Cost (BCR)	Total Resource Cost (BCR)
1	Lighting Controls	Wall switch occupancy sensor	Manual or no prior control ≥ 25 input watts	X				
		Ceiling mount occupancy sensor	Manual or no prior control ≥ 25 input watts	X				
		Fixture mount occupancy sensor - interior	Manual or no prior control ≥ 25 input watts	X				
		Fixture mount occupancy sensor - exterior	Manual or no prior control ≥ 75 input watts	X				
		Interior photocell control (dimming, step-dimming or switching)	Manual or no prior control ≥ 25 input watts	X				
		Multiple control strategies on existing LED - interior	Manual or no prior control ≥ 25 input watts	X				
1	Refrigeration Case Lighting	Multiple control strategies on existing LED - exterior	Manual or no prior control ≥ 75 input watts	X				
		Case #1 – T8 fluorescent lighting and electronic ballast (per lamp)	Case #1 – T12 fluorescent lighting	X				
		Case #2 – LED display case lighting	Case #2 – T12 fluorescent lighting	X				
		Case #3 – LED display case lighting	Case #3 – T8 fluorescent	X				
		Case #4 – TLED display case lighting (per linear ft)	T12 fluorescent lighting		X			
1	Refrigeration Case Lighting	Case #5 – TLED display case lighting (per linear ft)	T8 fluorescent lighting		X			
2	Air Conditioning (AC) Units	<5 ton AC unit that meets CEE Tier 1	Standard <5 ton AC/HP unit	X				
		>5-11 ton AC unit that meets CEE Tier 1	Standard >5-11 ton AC/HP unit			X	0.18	0.22
		>5-11 ton AC unit that meets CEE Tier 2	Standard >5-11 ton AC/HP unit			X	0.76	1.14
		>11-19 ton AC unit that meets CEE Tier 1	Standard >11-19 ton AC/HP unit			X	0.00	0.00
		>11-19 ton AC unit that meets CEE Tier 2	Standard >11-19 ton AC/HP unit			X	0.55	1.12
		>19-25 ton AC unit that meets CEE Tier 1	Standard >19-25 ton AC/HP unit			X	0.00	0.00
		>19-25 ton AC unit that meets CEE Tier 2	Standard >19-25 ton AC/HP unit			X	0.55	0.33
		< 5 ton VRF unit that meets CEE Tier 2	Standard < 5 ton AC/HP unit	X				
		<64 ton VRF unit that meets CEE Tier 1	Standard <64 ton AC/HP unit	X				
		2	Heat Pump (HP) Units	>5-11 ton VRF unit that meets CEE Tier 1	Standard >5-11 ton AC unit	X		
>11-19 ton VRF unit that meets CEE Tier 1	Standard >11-19 ton AC/HP unit			X				
>19-25 ton VRF unit that meets CEE Tier 1	Standard >19-25 ton AC/HP unit			X				
< 5 ton VRF unit that meets CEE Tier 2	Standard < 5 ton AC/HP unit			X				
<64 ton VRF unit that meets CEE Tier 1	Standard <64 ton AC/HP unit			X				
<5 ton HP unit that meets CEE Tier 2	Standard <5 ton AC/HP unit			X				
>5-11 ton HP unit that meets CEE Tier 1	Standard >5-11 ton AC/HP unit					X	0.39	0.11
>11-19 ton HP unit that meets CEE Tier 1	Standard >11-19 ton AC/HP unit					X	0.00	0.00
>19-25 ton HP unit that meets CEE Tier 1	Standard >19-25 ton AC/HP unit					X	1.41	0.35
>5-11 ton VRF unit that meets CEE Tier 1	Standard >5-11 ton AC/HP unit			X				
>11-19 ton VRF unit that meets CEE Tier 1	Standard >11-19 ton AC/HP unit			X				
>19-25 ton VRF unit that meets CEE Tier 1	Standard >19-25 ton AC/HP unit			X				
< 5 ton VRF unit that meets CEE Tier 2	Standard < 5 ton AC/HP unit			X				
<64 ton VRF unit that meets CEE Tier 1	Standard <64 ton AC/HP unit			X				
2	Economizers	Air side economizer control repair	Non-functional economizer	X				
2	Automated Control Systems	EMS control with 1 strategy	Proposed strategy not existing	X				
		Lodging room occupancy controls	Manual controls	X				
2	Evaporative Pre-Cooler	Pre-cooler added to condenser	Standard air-cooled condenser		X	X	4.13	0.52
2	Motor Belts	Synchronous belt	Standard fan belt	X				
3	Ceiling Insulation	Increase to R38 min. insulation	Insulation level R 11 or less	X				

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ATTACHMENT 1 (REVISED)

PRESCRIPTIVE RETROFIT INCENTIVES CHANGES

Table	Equipment Category	Installing	Replacing	Reason for Change			Cost Effectiveness Results	
				New Measure	No Customer	Not Cost Effective	Utility Cost (BCR)	Total Resource Cost (BCR)
4	Stock Tank	Thermostatically-controlled stock tank de-icer	No existing thermostatically-controlled de-icer	X		X	1.90	0.37
4	Residential type electric water heater	EF 0.94 or higher, 25-54 gallon; EF 0.95 or higher, 45-54 gallon; EF 0.93 or higher, 55-74 gallon; EF 0.92 or higher, 75-99 gallon; EF 0.85 or higher, 100-119 gallon	Standard electric water heater			X		
4	Commercial type electric water heater	25-34 gallon, standby loss 157 or lower 35-44 gallon, standby loss 185 or lower 45-54 gallon, standby loss 201 or lower 55-74 gallon, standby loss 238 or lower 75-99 gallon, standby loss 249 or lower 100-119 gallon, standby loss 287 or lower Standard electric water heater	Standard electric water heater			X		
4	Engine Block Heater and Controls	Wall-mounted engine block heater control	Standard engine block heater without controls	X				
		Engine-mounted engine block heater control	Standard engine block heater without controls	X				
4	High Volume Low Speed Fan	High volume low speed fan	Standard high speed fan	X				
4	Compressed Air	VFD on air compressor	No existing VFD	X				
		Low pressure drop filter	Standard filter	X				
		No-loss condensate drain	Open tube with ball valve	X				
		Efficient compressed air nozzle <1/4"	Standard air nozzle	X				
		Efficient compressed air nozzle >1/4"	Standard air nozzle	X				
		Cycling refrigerated compressed air dryer	Standard air dryer	X				
5	Refrigeration	Add refrigeration line insulation	Non insulation present			X	1.63	0.49
		Freezer to dock automatic high speed door	Manual or electric warehouse door	X				
		Freezer to refrigerator automatic high speed door	Manual or electric warehouse door	X				
		Freezer strip curtain	No protective barrier	X				
		Refrigerated strip curtain	No protective barrier	X				
6	Variable Speed Controls	VFD on milking vacuum pump	No existing VSD	X				

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Notes

1. Exterior applications only.
2. Interior/Exterior.
3. Not qualified as a Qualified LED Product Listing.
4. Measure has no savings above code.
5. Measure was consolidated into the <64 ton VRF unit that meets CEE Tier 1 measure.
6. Housekeeping change to correct unit.
7. Removed by the Regional Technical Forum.

**SCHEDULE 89
COMMERCIAL AND INDUSTRIAL ENERGY EFFICIENCY**

AVAILABILITY

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

APPLICABILITY

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

DESCRIPTION

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

INCENTIVE STRUCTURE

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

PRESCRIPTIVE RETROFIT INCENTIVES

TABLE 1: RETROFIT - LIGHTING AND LIGHTING CONTROLS			
Equipment Category	Installing	Replacing	Incentive Per Unit Exterior/Interior
T8 Fluorescents	2' or 3' T8 and electronic ballast (1 or more lamps)	2', 3' and 4' (<i>u-bent</i>) T12	\$ n/a/10.00
	1-lamp 4' T8 and electronic ballast	1-lamp 4' T12	\$ n/a/22.00
	1- or 2-lamp 4' T8 and electronic ballast	2-lamp 4' T12	\$ n/a/24.00
	2- or 3-lamp 4' T8 and electronic ballast	3-lamp 4' T12	\$ n/a/36.00
	2-, 3- or 4-lamp 4' T8 and electronic ballast	4-lamp 4' T12	\$ n/a/40.00
	1- or 2-lamp 6' T8 and electronic ballast	1- or 2-lamp 6' T12	\$ 14.00/16.00
	1- or 2-lamp 6' T8 and electronic ballast (slimline & HO)	1- or 2-lamp 6' T12HO/VHO	\$ 14.00/16.00
	2-, 3- or 4-lamp 4' T8 and electronic ballast (tandem/retrofit)	1- or 2-lamp 8' T12	\$ 34.00/40.00
	2-, 3- or 4-lamp 4' T8 and electronic ballast (tandem/retrofit)	1- or 2-lamp 8' T12HO/VHO	\$ 45.00/55.00
T5/T8 High Bay – New Fixture (<i>Use of reflector recommended</i>)	4-lamp 4' T8 and electronic ballast	Fixture using ≥ 200 input watts	\$ 75.00/85.00
	6-lamp 4' T8 and electronic ballast or 2-, 3- or 4-lamp 4' T5HO and electronic ballast	Fixture using 200-399 input watts	\$ 75.00/85.00
	4-, 6- or 8-lamp 4' T8 and electronic ballast or 4- or 6- lamp 4' T5HO and electronic ballast	Fixture using ≥ 400 input watts	\$110.00/160.00
	10- or 12-lamp 4' T8 and electronic ballast or 8- or 10-lamp 4' T5HO and electronic ballast	Fixture using 751-1100 input watts	\$180.00/200.00

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

PRESCRIPTIVE RETROFIT INCENTIVES (Continued)

TABLE 1: RETROFIT - LIGHTING AND LIGHTING CONTROLS (Continued)			
Equipment Category	Installing	Replacing	Incentive Per Unit Exterior/Interior
Fluorescent <i>Delamping (Only applicable as standard measures)</i>	Delamping Fixture from T12 to 4' T8 (per lamp)	T12 Fixture	\$ 5.00/5.00
Reduced Wattage T8/T5HO <i>(Only applicable as standard measures)</i>	Reduced wattage 4' T8 & T5HO lamps (per lamp) (ballast <i>must</i> be compatible)	T12 or HID	\$ n/a/1.00
Relamp T8/T5HO to Reduced Wattage T8/T5HO <i>(Only applicable as standard measures)</i>	Reduced wattage 4' T8 lamps, 28W & 25W (per lamp) Reduced wattage 4' T8 lamps, 25W (per lamp) Reduced wattage 4' T5HO lamps, 47W-49W (per lamp) (In all above cases, ballast/lamps must be compatible)	4' T8, 32 watt 4' T8, 28 watt 4' T5HO, 54 watt	\$ n/a/1.00
Permanent Fixture Removal <i>(Only applicable as standard measures)</i>	Permanent fixture removal as part of overall lighting retrofit project	Hardwired fixture using 50-299 input watts	\$ 15.00/20.00
	Permanent fixture removal as part of overall lighting retrofit project	Hardwired fixture ≥ 300 input watts	\$ 25.00/30.00
Light Emitting Diodes (LEDs) <i>(Must be on DLC or ENERGY STAR® Qualified Commercial LED List)</i>	Screw-in or pin-base LED	Screw-in or pin-base lamp using higher wattage	\$0.08/0.12/watt reduced
	HID LED screw-in replacement lamp	Existing HID lamp using > input watts	\$0.20/0.22/watt reduced
	Linear LED tube (Types A, B, and DM)	Lamp > 17 watts	\$0.50/0.50/ft
	Linear LED tube (Type C)	Lamp > 17 watts	\$0.02/0.05/kWh reduced
	LED hardwired conversion	Fixture using higher wattage	\$0.02/0.05/kWh reduced
	LED fixture or fixture retrofit kit	Fixture using higher wattage	\$0.12/0.15/kWh reduced
	LED fixture or fixture kit with single control strategy	Fixture using higher wattage	\$0.14/0.18/kWh reduced
	LED fixture or fixture kit with multiple control strategies	Fixture using higher wattage	\$0.16/0.20/kWh reduced
LED Fixture with networked controls	Fixture using higher wattage	\$0.18/0.22/kWh reduced	

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

PRESCRIPTIVE RETROFIT INCENTIVES (Continued)

TABLE 1: RETROFIT - LIGHTING AND LIGHTING CONTROLS (Continued)			
Equipment Category	Installing	Replacing	Incentive Per Unit Exterior/Interior
LED Sign Lighting	LED exit sign or equivalent (<5 watts) LED sign lighting retrofit	Exit sign using ≥ 18 watts Existing using $>$ input watts	\$ n/a/40.00 \$ 0.06/0.10/kWh
Lighting Controls	Wall switch occupancy sensor	Manual or no prior control ≥ 25 input watts	\$ n/a/15.00
	Ceiling mount occupancy sensor	Manual or no prior control ≥ 25 input watts	\$ n/a/30.00
	Fixture mount occupancy sensor – interior	Manual or no prior control ≥ 25 input watts	\$ n/a/25.00
	Fixture mount occupancy sensor – exterior	Manual or no prior control, ≥ 75 input watts	\$ 15.00/n/a
	Interior photocell control (dimming, step-dimming or switching)	Manual or no prior control ≥ 25 input watts	\$ n/a/25.00
	Multiple control strategies on existing LED – interior	Manual or no prior control ≥ 25 input watts	\$ n/a/\$35.00
Refrigeration Case Lighting	Multiple control strategies on existing LED - exterior	Manual or no prior control, ≥ 75 input watts	\$ 25.00/n/a
	Case #1 – T8 fluorescent lighting and electronic ballast (per lamp)	Case #1 – T12 fluorescent lighting	\$0.08/kWh
	Case #2 – LED display case lighting	Case #2 – T12 fluorescent lighting	\$ 0.15/kWh
	Case #3 – LED display case lighting	Case #3 – T8 fluorescent lighting	\$ 0.12/kWh

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Table 1 Notes:

1. "Non-standard" incentives are available for cost-effective lighting measures not listed on Table 1. Non-standard interior lighting incentives will be calculated at \$0.10 per first year annual kilowatt-hour saved up to 70% of measure cost and exterior lighting incentives will be calculated at \$0.08 per first year annual kilowatt-hour saved up to 70% of measure cost.
2. Complete Lighting Upgrade incentive applies to projects where all the interior inefficient lighting is retrofitted with more efficient technologies, including the incorporation of controls, where applicable. The Complete Lighting Upgrade is a bonus incentive given in addition to the Company's incentive calculation. This bonus incentive will be equal to five percent of the regular interior incentive amount.

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**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 (AC) Units	≤5 ton AC unit that meets CEE Tier 1	Standard ≤5 ton AC/HP unit	\$ 30.00/ton
	≤5 ton AC unit that meets CEE Tier 2	Standard ≤5 ton AC/HP unit	\$ 75.00/ton
	≤5 ton VRF unit that meets CEE Tier 2	Standard ≤5 ton AC/HP unit	\$ 100.00/ton
	<64 ton VRF unit that meets CEE Tier 1	Standard ≤64 ton AC/HP unit	\$ 75.00/ton
Heat Pump (HP) Units	≤5 ton HP unit that meets CEE Tier 1	Standard ≤5 ton AC/HP unit	\$ 30.00/ton
	≤5 ton HP unit that meets CEE Tier 2	Standard ≤5 ton AC/HP unit	\$ 75.00/ton
	≤5 ton VRF unit that meets CEE Tier 2	Standard ≤5 ton AC/HP unit	\$ 100.00/ton
	<64 ton VRF unit that meets CEE Tier 1	Standard <64 ton AC/HP unit	\$ 75.00/ton
Chiller Units	Air-cooled chiller, IPLV 14.0 EER or higher	Standard air-cooled chiller	\$ 80.00/ton
	Water-cooled chiller electronically operated, reciprocating and positive displacement: Up to 149 ton unit, IPLV: 0.52 or less (kW/ton) 150 ton or greater, IPLV: 0.49 or less (kW/ton) Water-cooled chiller electronically operated, centrifugal: Up to 299 ton unit, IPLV: 0.52 or less (kW/ton) 300 to 599 ton unit, IPLV: 0.45 or less (kW/ton)	Standard water-cooled chiller	\$ 40.00/ton
Economizers	Air side economizer control addition	No prior control	\$100.00/ton
	Air side economizer control repair	Non-functional economizer	\$50.00/ton
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	<u>Retrofit System/New System</u> \$100.00/ton/60.00/ton
	EMS controls with 2 strategies	Proposed strategy not existing	\$125.00/ton/70.00/ton
Electronically Commutated Motor (ECM)	EMS controls with 3 strategies	Proposed strategy not existing	\$150.00/ton/80.00/ton
	EMS controls with 4 strategies	Proposed strategy not existing	\$175.00/ton/90.00/ton
	EMS controls with 5 strategies	Proposed strategy not existing	\$200.00/ton/100.00/ton
	Lodging room occupancy controls	Manual controls	\$ 75.00/unit
	ECM motor in HVAC application	Shaded pole or permanent split capacitor motor	\$100/motor

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**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/ft2 window area
Reflective Roofing	Adding reflective roof treatment	Non-reflective low pitch roof	\$ 0.05/ft2 roof area
Ceiling Insulation	Increase to R38 min. insulation	Insulation level R11 or less	\$ 0.35/ft2
Wall Insulation	Increase to R11 min. insulation	Insulation level, R2.5 or less	\$ 0.40/ft2 wall area
	Increase to R19 min. insulation	Insulation level, R2.5 or less	\$ 0.55/ft2 wall area

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

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

PRESCRIPTIVE RETROFIT INCENTIVES (Continued)

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

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

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

PRESCRIPTIVE RETROFIT INCENTIVES (Continued)

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

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PRESCRIPTIVE NEW CONSTRUCTION INCENTIVES

TABLE 7: LIGHTING FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS		
Measure Type	Incentive	Eligibility Requirements
Interior Light Load Reduction	Part A: \$0.10 Part B: \$0.20 Part C: \$0.30 per square foot covered by the lighting	Lighting systems designed with a lighting power density (LPD) that is at least: Part A: 10-19.9% below the Oregon Energy Efficiency Specialty Code will be eligible for this incentive, or Part B: 20-29.9% below the Oregon Energy Efficiency Specialty Code or Part C: Equal to or greater than 30% below the Oregon Energy Efficiency Specialty Code will be eligible for this incentive. A project that is at least 60% below code and/or has high operation hours can receive a non-standard interior lighting incentive at \$0.15 per kWh saved, up to 100% of the incremental cost or 70% of total invoiced costs between a base and efficient lighting system.
Exterior Light Load Reduction	\$200.00 per kW below code	Must be a minimum of 15% below the Oregon Energy Efficiency Specialty Code to qualify.
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.

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

PRESCRIPTIVE NEW CONSTRUCTION INCENTIVES (Continued)

TABLE 8: AIR CONDITIONING (HVAC) FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS (Continued)		
Measure Type	Incentive	Eligibility Requirements
Air Side Economizer	\$75.00 per ton of air conditioning economized	Applicable economizers must allow outdoor air capacity to meet at least 85% of an air conditioning unit's airflow rate coupled with a programmable thermostat capable of two-stage cooling controls.
Direct Evaporative Coolers	\$200.00 per ton	Installation of a direct evaporative cooling system. Evaporatively pre-cooled DX systems do not qualify under this measure.

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

TABLE 10: CONTROLS FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS		
Measure Type	Incentive	Eligibility Requirements
Energy Management Control System	Part A: \$60.00 per ton for 1-strategy Part B: \$70.00 per ton for 2-strategies Part C: \$80.00 per ton for 3-strategies Part D: \$90.00 per ton for 4-strategies Part E: \$100.00 per ton for 5-strategies	Systems must provide automatic control for cooling systems and incorporate specific strategies that result in energy savings over standard operation.
Guest Room Energy Management System	\$50.00 per unit of controlled cooling	Systems must provide occupancy based thermostatic set-back controls for the HVAC system. Eligible systems include thermostat based controls, room key-card controls and system check-in/check-out controls.

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**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
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.

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TABLE 13: EQUIPMENT FOR NEW CONSTRUCTION, EXPANSION, OR MAJOR RENOVATIONS		
Measure Type	Incentive	Eligibility Requirements
Smart Power Strips	\$10.00 per power strip	Load-sensing, motion-sensing, or timer-controlled power strip.
High Volume Low Speed Fan	\$2,000 per fan	High volume low speed fans installed
Air compressor VFD	\$150 per hp	Installing a VFD on the air compressor that allow the compressor to vary the speed based on actual demand.
No-Loss Condensate Drain	\$300 per unit	Installing a no-loss condensate drain that monitors the amount of condensate present and then exhausts only the condensate without wasting compressed air.
Low Pressure Drop Filter	\$7.50 per hp	Installing a low-pressure filter that has a pressure drop between 1 and 3 psi.
Cycling Refrigerated Compressed Air Dryer	\$2 per CFM	Installing an efficient refrigerated compressed air dryer that cycles on and off based on the need during part load demand.
Efficient Compressed Air Nozzle	<= 1/4": \$30 per unit	Installing an efficient air nozzle that reduces the amount of air compared to a standard nozzle but produces the same performance.
	> 1/4": \$60 per unit	

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

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 10% of the participant's total incentive to a maximum amount of \$2,500.

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 not be started or equipment ordered until after the Customer has obtained written approval from the Company.
3. Projects must exceed the current established building code requirements or standard practice for the applicable industry as determined by the Company.
4. If there is no corresponding prescriptive measure available, then the project may be submitted for review by the Company and, if cost-effective, the project may be eligible for a financial incentive.

OPTIONS

Energy saving projects and measures that are not covered under prescriptive sections of this Schedule may be eligible for Custom Incentives based on the calculated energy savings. There are two incentive options available under the Custom Incentive; the Cost-Share option or the Self-Directed Funds option. The Cost-Share option is available to all Customers that meet the requirements of the Custom Incentive offering. The Self-Directed Funds option is available only to Customers taking service under Schedule 19. The maximum incentive payment will not exceed \$0.18 per first-year kilowatt-hour saved under either incentive option.

SCHEDULE 89
COMMERCIAL AND INDUSTRIAL ENERGY EFFICIENCY
(Continued)

CUSTOM INCENTIVE OPTIONS (Continued)OPTIONS (Continued)

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

GREEN MOTORS INITIATIVE

The Green Motors Initiative employs industry best practices when rewinding motors (Green Rewind). The certified rewind process ensures that the motor maintains its original efficiency when the rewind is complete. Motors between 25 and 5,000 horsepower are eligible. Idaho Power pays participating service centers \$2.00 per horsepower for each motor that received a verified Green Rewind. Each motor receiving Green Rewind is verified by a non-profit trade organization, Green Motors Practice Group. Motors must be rewound in a certified participating service center that has the equipment and training to perform Green Rewind. For a current list of motor service centers offering Green Rewind please see <http://greenmotors.org/practicing.htm>.