

# Wattsmart Business

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## **APPLICABLE:**

To new and existing service under the Company's General Service Schedules A-25, A-32, A-36, [AT-29](#), AT-47, AT-48, LS-53, ~~LS-58~~, OL-42, and PA-20 in all territory served by the Company in the State of California including non-residential facilities on Schedule NEM-35.

## **Incentives for Measures Listed in the Incentive Tables**

Per unit incentives are listed in the program incentives tables for specific Energy Efficiency Measures (EEMs) and are subject to the incentive caps below. Incentives are subject to change and current incentives can be found on the California energy efficiency program section of the Pacific Power website.

## **Custom Incentives**

Energy efficiency measures not listed in the incentive tables may be eligible for a custom incentive. Pacific Power will complete an analysis of the measure cost and electric energy savings and determine whether to offer a custom incentive and the incentive amount.

## **Energy Management Incentives**

Non-capital improvements to operations and maintenance within a qualifying facility may be eligible for an Energy Management Incentive. Pacific Power will partner with the Customer to complete an analysis of the electric energy savings of potential energy management measures and determine whether to offer an Energy Management Incentive and the incentive amount.

## **Energy Project Manager Ceo-funding**

Pacific Power may fund an additional \$0.025 per [kilowatt-hour \(kWh\)](#) of verified Wattsmart Business annual energy savings, up to 100 percent of the Energy Project Manager's salary. Salary is based on a letter from the Customer/Owner's human resources or accounting department stating the base annual salary and an appropriate overhead percentage, and [will be](#) subject to approval by Pacific Power.

## **Baseline Adjustments**

Pacific Power may adjust baseline electric energy consumption and costs to reflect any of the following: energy codes, standard practice, changes in capacity, changes in production or facility use and equipment at the end of its useful life. Such adjustments may be made for lighting energy efficiency measures installed in new construction where energy code does not apply.

**INCENTIVES:**<sup>1,2,3</sup>

Category		Incentive	Percent Project Cost Cap <sup>4</sup>	1-Year Simple Payback Cap for Projects <sup>5</sup>	Other Limitations
Prescriptive Incentives (Listed Measures)	Lighting – Retrofit (deemed measures)		None	No	See incentive lists
	Lighting – Retrofit (site-specific measures)	See incentive lists	80%	Yes	
	Lighting – New Construction/ Major Renovation (Facilities where energy code applies)		None	No	
	Lighting – New Construction/Major Renovation (Facilities where energy code does not apply)		80%	Yes	
	Motors		None	No	
	HVAC		None	No	
	Food Service		None	No	
	Appliances		None	No	
	Irrigation		None	No	
	Farm and Dairy		80%	Yes	
	Compressed Air		80%	Yes	
Wastewater and other Refrigeration	80%		Yes		
Enhanced Incentives for Small Businesses	Lighting – Retrofit	See incentive lists	90%	No	Available to <del>all</del> Schedule A-25 customers meeting small business criteria on Pacific Power’s website.
Custom Non-Lighting Incentives for qualifying measures not on the prescriptive list. <sup>6</sup>		\$0.15 per annual kWh savings	80%	Yes	N/A
Energy Management		\$0.02 per kWh annual savings	N/A	No	N/A

<sup>1</sup> The Customer or Owner may receive only one financial incentive from Pacific Power per measure. Financial incentives include energy efficiency incentive payments and energy management payments. Energy Project Manager Co-Funding is available in addition to the project incentives.

<sup>2</sup> Incentives for prescriptive measures are restricted to the amounts shown on the website.

<sup>3</sup> The following applies to Custom Non-Lighting and Listed Measures where kWh savings is determined using site-specific inputs (not deemed) – To be eligible for incentives, there must be evidence of program influence on the project. Accelerated Replacement measures must have a preponderance of evidence showing program influence to be eligible for incentives.

<sup>4</sup> All EEM Costs are subject to Pacific Power review and approval prior to making an Energy Efficiency Incentive Offer. All final EEM Costs are subject to Pacific Power review and approval prior to paying an Energy Efficiency Incentive per the terms of the Energy Efficiency Incentive Offer Letter or approved Application. Pacific Power review and approval of EEM Costs may require additional documentation from the Customer or Owner.

<sup>5</sup> The ~~one-~~year simple payback cap means incentives will not be available to reduce the simple payback of a project below one year. If required, individual measure incentives will be adjusted downward pro-rata so the project has a simple payback after incentives of one year.

<sup>6</sup> Project Cost and 1-Year Simple Payback Caps do not apply to New Construction and Major Renovation projects that are subject to state energy code.

Energy Project Manager Co-Funding	\$0.025 per kWh annual savings	100% of salary and eligible overhead	No	Minimum savings goal posted on Pacific Power website <sup>7</sup>
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<sup>7</sup> Customers may aggregate accounts to achieve minimum requirements.

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## Incentive Tables

Below are the current incentive tables for Wattsmart Business in California.

### Retrofit Lighting Incentive Table

Measure	Category	Eligibility Requirements		Incentive
Interior Lighting – deemed measures	T8 TLED Lamp – UL Type A, <del>A/B Dual Mode</del> (Accelerated Replacement) <a href="#">(see note 5)</a>	LED must be listed on qualified equipment list and must be replacing a linear fluorescent lamp in an interior application or parking garage		\$4/lamp
	T8 TLED Lamp – UL Type B (Accelerated Replacement) <a href="#">(see note 5)</a>	LED must be listed on qualified equipment list and must be replacing a linear fluorescent lamp in an interior application or parking garage		\$5/lamp
	T8 TLED Lamp – UL Type B (Normal Replacement) <a href="#">(see note 5)</a>	LED must be listed on qualified equipment list and must be replacing a linear fluorescent lamp in an interior application or parking garage		\$1/lamp
	T8 TLED Lamp – UL Type C (Normal Replacement)	LED must be listed on qualified equipment list and must be replacing a linear fluorescent lamp in an interior application or parking garage	Fixture with 2 T8 TLED Type C Lamps	\$6/fixture
Fixture with 3 T8 TLED Type C Lamps			\$8/fixture	
Fixture with 4 T8 TLED Type C Lamps			\$10/fixture	
Interior Lighting – site specific measures	<del>Controls only upgrade to Advanced Controls</del>	<del>Product must be listed on qualified equipment list</del>		<del>\$0.16/kWh annual energy savings</del>
	Custom	Not listed above		\$0. <del>20</del> <u>25</u> /kWh <a href="#">annual energy savings</a>
	<a href="#">Custom with Advanced Controls</a>	<a href="#">Not listed above</a>		<a href="#">\$0.30/kWh annual energy savings</a>
Exterior Lighting - deemed measures	<a href="#">UL Type B LED Mogul Base Lamp (Normal Replacement)</a>	<a href="#">LED must be listed on a qualified product list and be replacing a lamp in an outdoor area, roadway luminaire, or outdoor decorative luminaire</a>	<a href="#">Replacing an HPS lamp &lt; 100 W</a>	<a href="#">\$4/lamp</a> <a href="#">\$8/lamp</a> <a href="#">\$18/lamp</a>
			<a href="#">Replacing an HPS lamp ≥ 100 and &lt; 250 W</a>	
			<a href="#">Replacing an HPS lamp ≥ 250 W</a>	
	<a href="#">UL Type B LED Mogul Base Lamp (Accelerated Replacement)</a>	<a href="#">LED must be listed on a qualified product list and be replacing a lamp in an outdoor area, roadway luminaire, or outdoor decorative luminaire</a>	<a href="#">Replacing an HPS or PSMH lamp &lt; 100 W</a>	<a href="#">\$10/lamp</a> <a href="#">\$30/lamp</a> <a href="#">\$50/lamp</a>
			<a href="#">Replacing an HPS or PSMH lamp ≥ 100 and &lt; 250 W</a>	
			<a href="#">Replacing an HPS or PSMH lamp ≥ 250 W</a>	
Exterior Lighting – site specific measures	Custom	Not listed above		<a href="#">\$0.15/kWh annual energy savings</a>

**Notes for ~~interior lighting retrofit~~ lighting incentives:**

1. To be eligible for the incentives listed, the new lighting system must use less energy than the existing lighting system replaced or the baseline lighting system as determined by Pacific Power.
2. Incentives are capped at 80 percent of Energy Efficiency Project Costs and will not be available to reduce the Energy Efficiency Project simple payback below one year. Energy Efficiency Project Costs are subject to Pacific Power approval.
3. Qualified equipment lists referenced in the table are posted on the California energy efficiency program section of Pacific Power’s website.
4. A complete list of lighting equipment not eligible for retrofit incentives is available on the California energy efficiency program section of Pacific Power’s website.
5. ~~T8 TLED UL Type A Lamps may be designated as UL Type A+B, but must be configured as a UL Type A.~~ UL Type A/B lamps may be eligible for UL Type A or Type B incentives when configured as the respective lamp type.
6. Product must meet the technical requirements listed on the current DesignLights Consortium (DLC) qualified product list (QPL) for its corresponding product category.
7. Listed incentives for LED Ambient Fixtures and Retrofit Kits were available through December 31, 2020. Effective January 1, 2021, these measures are eligible for the custom interior lighting incentive.

**LPW** = Lumens Per Watt

**TLED** = Tubular Light-Emitting Diode

**UL** = Underwriters Laboratories

HPS = High-pressure Sodium

PSMH = Pulse Start Metal Halide

**New Construction/Major Renovation Lighting Incentive Table**

Measure	Category	Eligibility Requirements	Incentive
Interior Lighting*	Lighting and Lighting Control	Custom	\$0.15/kWh annual energy savings

\*Project Cost Caps of 80% and 1-Year Simple Payback Caps apply to New Construction and Major Renovation projects that are not subject to state energy code. The 1 year simple payback cap means incentives will not be available to reduce the simple payback of a project below one year. If required, individual measure incentives will be adjusted downward pro-rata so the project has a simple payback after incentives of one year.

Lighting and lighting controls required by or used to comply with the applicable version of the state energy code are not eligible for incentives.

### Motor Incentives Table

Equipment Type	Size Category	Sub-Category	Minimum Efficiency Requirement	Customer Incentive
Electronically Commutated Motors (Accelerated Replacement)	≤ 1/2 horsepower	Replacing SP evaporator fan motor in walk-in freezer/cooler	--	\$200
Variable-Speed Drives (HVAC fans) (Add-On Equipment)	≤ 100 horsepower	HVAC fans	See Note 2	\$120/horsepower
Green Motor Rewinds	≥ 15 and ≤ 5,000 hp	--	Must meet GMPG Standards	\$1/horsepower (See note 3)

**Notes for motor incentives table:**

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for the listed incentive.
2. Throttling or bypass devices, such as inlet vanes, bypass dampers, three-way valves, or throttling valves must be removed or permanently disabled to qualify for HVAC fan VSD incentives. VSD must be applied to the existing HVAC supply or return air system. VSDs required by or used to comply with energy code are not eligible for incentives. Savings will only be realized for installations where a variable load is present.
3. For Green Motor Rewinds, the participating electric motor service center is paid \$2/horsepower for eligible Green Motor Rewinds. A minimum of \$1/horsepower is paid by the service center to the customer as a credit on the motor rewind invoice. The balance is retained by the service center. Green Motor Rewind motors that are installed or placed in inventory may qualify for an incentive.

**GMPG** = Green Motors Practices Group

**HVAC** = Heating, Ventilation and Air Conditioning

**SP** = Shaded Pole

**VSD** = Variable Speed Drive

### HVAC Equipment Incentive Table

Equipment Type	Size Category	Sub-Category	Minimum Efficiency Requirement	Customer Incentive
Packaged Terminal Air Conditioners (PTAC) (Normal Replacement)	≤ 7,000 Btu/hr	Single package	11.29 EER	\$100/ton
	> 7,000 Btu/hr and ≤ 15,000 Btu/hr		10.27 EER	
	> 15,000 Btu/hr and < 24,000 Btu/hr		9.25 EER	
Packaged Terminal Air Conditioners (PTAC) (New Construction)	≤ 7,000 Btu/hr		14.28 EER	
	> 7,000 Btu/hr and ≤ 15,000 Btu/hr		12.84 EER	
	> 15,000 Btu/hr and < 24,000 Btu/hr		11.4 EER	
Packaged Terminal -Heat Pumps (PTHP) (Cooling <u>and Heating Mode</u> ) (Normal Replacement)	≤ 7,000 Btu/hr	Single package	11.17 EER <u>3.26 COP</u>	\$100/ton
	> 7,000 Btu/hr and ≤ 15,000 Btu/hr		10.15 EER <u>3.13 COP</u>	
	> 15,000 Btu/hr and < 24,000 Btu/hr		9.13 EER <u>3.01 COP</u>	
Packaged Terminal -Heat Pumps (PTHP) (Cooling <u>and Heating Mode</u> ) (New Construction)	≤ 7,000 Btu/hr		14.28 EER <u>4.01 COP</u>	
	> 7,000 Btu/hr and ≤ 15,000 Btu/hr		12.84 EER <u>3.76 COP</u>	
	> 15,000 Btu/hr and < 24,000 Btu/hr		11.4 EER <u>3.50 COP</u>	
Heat Pump, Air Cooled, replacing electric resistance heating (Cooling <u>and Heating Mode</u> ) (Retrofit Only) (see note 5)	< 65,000 Btu/hr	Split system and single package	CEE Tier 1	\$300/ton
			CEE Tier 2	\$350/ton
	All sizes < 240,000 Btu/hr	Split system and single package	CEE Tier 1 <u>ENERGY STAR Qualified</u>	\$300/ton
Heat Pump, Air Cooled, replacing electric resistance heating (Heating Mode) (Retrofit Only) (see note 5)	< 65,000 Btu/hr	Split system and single package	CEE Tier 1	\$300/ton
			CEE Tier 2	\$350/ton
	All sizes	Split system and single package	CEE Tier 1	\$300/ton

**Notes for HVAC equipment incentive table**

1. Equipment that meets or exceeds the efficiency requirements listed for the size category in the above table may qualify for the listed incentive. Equipment must meet all listed efficiency requirements to qualify for the listed incentives.
2. PTHPs can replace electric resistive heating, which must be removed.
3. Incentives for heat pumps are available per ton of cooling capacity ONLY. No incentives are paid per ton of heating capacity. Heat Pumps must meet both the cooling mode and heating mode efficiency requirements to qualify for per ton cooling efficiency incentives.
4. Equipment size categories and capacities are specified in terms of net cooling capacity at AHRI standard conditions as determined by AHRI Standard 210/240 for units <65,000 Btu/hr, AHRI Standard 340/360 for units ≥65,000 Btu/hr, and AHRI Standard 310/380 for PTAC and PTHP units.

~~5. Efficiency requirements align with the Unitary Air-Conditioning and Heat Pump Specification maintained by the Consortium for Energy Efficiency for equipment with heating sections other than electric resistance. CEE minimum efficiency requirements are listed on the Pacific Power website.~~

56. Equipment must meet ~~CEE ENERGY STAR~~ part load efficiency requirements (SEER/SEER2 or IEER). Equipment does not need to meet ~~CEE ENERGY STAR~~ full load efficiency requirements (EER), as long as the part load efficiency requirement is also specified for the equipment in ~~CEE ENERGY STAR~~. If ~~CEE ENERGY STAR~~ only lists full load efficiency requirements (EER), then equipment must meet this standard. Additionally, the equipment must meet or exceed state or federal full load efficiency standards, whichever is more stringent.

AHRI = Air-Conditioning, Heating, and Refrigeration Institute

~~CEE = Consortium for Energy Efficiency~~

EER = Energy Efficiency Ratio

HVAC = Heating, Ventilation and Air-Conditioning

IEER = Integrated Energy Efficiency Ratio

PTAC = Packaged Terminal Air Conditioner

PTHP = Packaged Terminal Heat Pump

SEER/SEER2 = Seasonal Energy Efficiency Ratio

### Other HVAC Equipment and Controls Incentive Table

Equipment Type	Size Category	Sub-Category	Minimum Efficiency Requirement	Customer Incentive
Enhanced Ventilation Controls for RTUs - Heat Pump (Add-On Equipment)	All Sizes	Add VFD	VFD must be added to an existing packaged single-zone direct expansion (DX) HVAC unit with a functioning economizer and no existing VFD. The VFD must operate at two discrete speeds based on ventilation and cooling or heating demand. Additional efficiency measures must be added, as indicated.	\$90/ton
		Add VFD and ADEC		\$110/ton
		Add VFD and NEMA Premium Motor		\$120/ton
		Add VFD and PMM		\$130/ton
		Add VFD, ADEC, and CO2 Sensor		\$160/ton
		Add VFD, NEMA Premium Motor, ADEC, and CO2 Sensor		\$190/ton
		Add VFD PMM, ADEC, and CO2 Sensor		\$200/ton
Classroom HVAC Occupancy Sensor (Normal Replacement)	--	--	Equipment must have unoccupied setback temperature control for closed hours and when classroom is unoccupied	\$20/ton
Air-Cooled Screw Chiller, Path B (Normal Replacement or New Construction) (See Note 3)	< 150 tons	Tier 1	10.4 EER; 17.7 IPLV	\$25/ton
		Tier 2	10.4 EER; 19.0 IPLV	\$50/ton
	150 - 300 tons	Tier 1	10.4 EER; 18.0 IPLV	\$25/ton



		Tier 2	10.4 EER; 19.3 IPLV	\$50/ton
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**Notes for other HVAC equipment and controls incentive table**

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for the listed incentive.
2. Enhanced Ventilation Controls – Heat Pump does not apply if the rooftop unit has a fully operational and/or non-snapdisc sensor and is adjusted to the appropriate changeover setpoint based on the number of thermostat stages available for cooling. This measure does not apply if the unoccupied supply fan operation is already set to “Auto” or intermittent. Measure is applicable for all nonresidential buildings served by unitary direct expansion (DX) and split systems that do not serve process or refrigeration loads.
3. Air-Cooled Screw Chillers must exceed the minimum efficiency requirements set forth by Title 24 Part 6 in both full load and integrated part load conditions under Path B, as laid out in the minimum efficiency requirements section of the table, in order to qualify for an incentive.
4. HVAC occupancy sensor measure is only eligible for installation in an educational relocatable classroom conditioned with a heat pump.

**ADEC** = Advanced Digital Economizer Control  
**EER** = Energy Efficiency Ratio  
**HVAC** = Heating, Ventilating and Air-Conditioning  
**IPLV** = Integrated Part Load Value  
**NEMA** = National Electrical Manufacturers Association  
**PMM** = Permanent Magnet Motor  
**PTHP** = Packaged Terminal Heat Pump  
**PTAC** = Packaged Terminal Air Conditioner  
**RTU** = Rooftop Unit  
**VFD** = Variable Frequency Drive

**Food Service Equipment Incentives Table**

<b>Equipment Type</b>	<b>Equipment Category</b>	<b>Minimum Efficiency Requirement</b>	<b>Customer Incentive</b>
Undercounter Commercial Dishwasher (High Temperature models Only)	Tier 1	ENERGY STAR Qualified	\$300
	Tier 2		\$450
Electric Steam Cooker	All Sizes	ENERGY STAR Qualified	\$1,000
Electric Convection Oven	Half Size Electric	ENERGY STAR Qualified	\$700
	Full Size Electric		\$900
Electric Griddle	<u>Single-sided</u>	ENERGY STAR Qualified	\$300/linear ft
Electric Combination Oven	< 15 pans	Must meet idle energy rate, cooking energy efficiency, and production capacity as listed on program website.	\$2,000
	15-28 pans		\$2,200
	> 28 pans		\$3,500
Electric Deck Oven	All Sizes	Must meet idle energy rate and heavy load cooking efficiency as listed on program website.	\$3,000
Electric Fryer	All Sizes	ENERGY STAR Qualified	\$500
High Performance Conveyor Toaster	All Sizes	Must meet energy per sandwich requirement listed on the program website.	\$500
Ice Machines - Ice Maker Head (Air-Cooled Only)	Harvest Rate < 300 lbs/day	ENERGY STAR Qualified	\$150
	Harvest Rate 300 – 799 lbs/day		\$250
	Harvest Rate 800 – 1,499 lbs/day		\$400
	Harvest Rate ≥ 1,500 lbs/day		\$450
Ice Machines – Remote Condensing Unit (Air Cooled Only)	Harvest Rate < 988 lbs/day	ENERGY STAR Qualified	\$400
	Harvest Rate ≥ 988 lbs/day		\$450
Ice Machines – Self-Contained Unit (Air Cooled Only)	Harvest Rate < 110 lbs/day	ENERGY STAR Qualified	\$100
	Harvest Rate 110 – 199 lbs/day		\$150
	Harvest Rate ≥ 200 lbs/day		\$200
Ultra Low Temperature Freezer (See Note 5)	$24 \leq V \leq 29$	ENERGY STAR Qualified	\$1,200

Demand Controlled Kitchen Ventilation Exhaust Hood (New Construction) (See Note 2)	Must be installed on commercial kitchen exhaust system.	Variable speed motors must be controlled to vary fan speed depending upon kitchen demand, as indicated by connected sensors.	\$2,000/hp
Commercial Hand-Wrap Machine	--	Measure must use either a mechanical or optical control system	\$300
Reach-In Refrigerator or Freezer	$0 < V < 15$	ENERGY STAR Qualified	\$25
	$15 \leq V < 30$		\$50
	$30 \leq V < 50$		\$75
	$50 \leq V$		\$100
Anti-Sweat Heater Controls (Add-On Equipment) (See Note 4)	Low-Temp (Freezing) Cases	Controls that reduce energy consumption of anti-sweat heaters based on sensing humidity.	\$50/linear foot (case length)
	Med-Temp (Refrigerated) Cases		\$50/linear foot (case length)

**Notes for food service equipment incentive table**

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for the listed incentive.
2. Demand controlled kitchen ventilation on exhaust hoods required by or used to comply with the applicable version of the energy code are not eligible for incentives.
3. All food service equipment measures are available in normal replacement or new construction applications except where measure application type is specified.
4. Anti-Sweat Heater Controls incentives are not eligible for multiplex systems majorly upgraded or installed after July 1, 2014. This measure cannot be used in conjunction with new refrigeration display case with doors or with special doors with low/no anti-sweat heat on low-temperature display cases.
5. Ultra Low Temperature Freezer measure is only eligible in the following existing building types: Education – University, Health/Medical – Hospital, Manufacturing – Biotech, and Manufacturing – Pharmaceuticals.
6. Used or rebuilt food service equipment is not eligible for an incentive.

CEE = Consortium for Energy Efficiency

ASTM = American Society for Testing and Materials

MDEC = Maximum Daily Energy Consumption

V = Association of Home Appliance Manufacturers (AHAM) Volume (cubic feet)

### **Appliance Incentives Table**

<b>Equipment Type</b>	<b>Equipment Category</b>	<b>Minimum Efficiency Requirement</b>	<b>Customer Incentive</b>
High-Efficiency Clothes Washer (Normal Replacement or New Construction)	Installed in multifamily common area	ENERGY STAR commercial clothes washer	\$50
Heat Pump Water Heater (Normal Replacement or New Construction)	> 45 to ≤ 55 gallons	<del>3.09</del> <u>3.30</u> UEF	\$500

**Notes for appliance incentive table**

1. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for the listed incentive.
2. Equipment must meet the efficiency rating standard that is in effect on the date of purchase.

UEF = Uniform Energy Factor

**Irrigation Incentives – Measures for Wheel Line, Hand Line, or Other Portable Water Distribution Systems (Retrofit Only)**

<b>Irrigation Measure</b>	<b>Replace</b>	<b>With</b>	<b>Limitations</b>	<b>Customer Incentive</b>
New rotating sprinkler replacing worn or leaking impact or rotating sprinkler	Leaking or malfunctioning impact or rotating sprinkler	Rotating sprinkler	1. Fixed-in-place (solid set) systems not eligible. 2. Incentive limited to two sprinklers per irrigated acre.	\$1 each
New impact sprinkler replacing worn or leaking impact sprinkler	Leaking or malfunctioning impact sprinkler	New impact sprinkler	1. New nozzle shall be included in new sprinkler. 2. Fixed-in-place (solid set) systems not eligible. 3. Incentive limited to two sprinklers per irrigated acre.	\$1 each
New nozzle replacing worn nozzle of same design flow or less on existing sprinkler	Worn nozzle	New nozzle (including flow control nozzles) of same design flow or less	1. Flow rate shall not be increased. 2. Fixed-in-place (solid set) systems not eligible. 3. Incentive limited to two nozzles per irrigated acre.	\$0.50 each
New or rebuilt wheel line leveler replacing leaking or malfunctioning leveler	Leaking or malfunctioning leveler	New or rebuilt leveler	1. Applies to leaking or malfunctioning levelers only. 2. For rebuilds, invoice must show number of rebuild kits purchased and installed.	\$1 each
New gasket replacing leaking gasket, including mainline valve or section gasket, seal, or riser cap (dome disc)	Leaking gasket	New gasket, including mainline valve or section gasket, seal, or riser cap (dome disc)	1. New gasket must replace leaking gasket. 2. Fixed-in-place (solid set) systems not eligible. 3. Incentive limited to two gaskets per irrigated acre.	\$2 each
New drain replacing leaking drain	Leaking drain	New drain, including drains on pivots and linears	1. New drain must replace leaking drain. 2. Fixed-in-place (solid set) systems not eligible. 3. Incentive limited to two gaskets per irrigated acre.	\$2 each

**Irrigation Incentives – Measures for Pivots and Linear Water Distribution Systems  
(Retrofit Only)**

<b>Irrigation Measure</b>	<b>Replace</b>	<b>With</b>	<b>Limitations</b>	<b>Customer Incentive</b>
Pivot and linear sprinkler package replacement, high pressure	Worn impact sprinkler	New impact sprinkler or rotator, including nozzle	Design flow shall not be increased	\$7 each
Pivot and linear sprinkler package replacement, MESA	Worn low pressure sprinkler and regulator	New low pressure sprinkler, including nozzle, and regulator	Applicable to MESA-configured center pivots and linears. Design flow rate shall not be increased.	\$4 each
Pivot and linear sprinkler package replacement, LESA/LEPA/MDI	Worn low pressure sprinkler and regulator	New low pressure sprinkler, including nozzle, and regulator	Applicable to LESA/LEPA/MDI-configured center pivots and linears. Design flow rate shall not be increased.	\$2 each
Pivot and linear upgrade from high pressure to MESA	Conversion of center pivot or linear move from high pressure (impact) sprinklers on top.	Conversion of center pivot or linear move to MESA configuration	Incentive is per drop. Design flow rate shall not be increased.	\$6 each
Pivot and linear upgrade from high pressure to LESA/LEPA/MDI	Conversion of center pivot or linear move from high pressure (impact) sprinklers on top.	Conversion of center pivot or linear move to LESA/LEPA/MDI configuration	Incentive is per drop. Design flow rate shall not be increased.	\$7 each
Pivot and linear upgrade from MESA to LESA/LEPA/MDI	Conversion of center pivot or linear move from MESA configuration	Conversion of center pivot or linear move to LESA/LEPA/MDI configuration	Incentive is per drop. Design flow rate shall not be increased.	\$5 each

**Irrigation Incentives – Measures for Any Type of System (Retrofit or New Construction)**

Irrigation Measure	Replace	With	Limitations	Customer Incentive
Booster Pump VFD, <=150 hp		Add variable frequency drive to existing or new irrigation pump (Add On Equipment or New Construction)	1. Pumps serving any type of irrigation water transport or distribution system are eligible – wheel lines, hand lines, pivots, linears, fixed-in-place (solid set). 2. Both retrofit and new construction projects are eligible. 3. Pump must operate at least 1,000 hours/year and must discharge into pressurized irrigation system (i.e. not flood).	\$37/hp

**Notes for irrigation incentive tables:**

1. Equipment that meets or exceeds the requirements above may qualify for the listed incentive.
2. Except for the pump VFD measure, incentives listed here are available only for retrofit projects where new equipment replaces existing equipment ( i.e. new construction is not eligible).
3. Except for the pump VFD measure, equipment installed in fixed-in-place (solid set) systems is not eligible. Incentive is limited to two units per irrigated acre.

**LESA/LEPA/MDI** = Low-Elevation Spray Application/ Low Energy Precision Application/ Mobile Drip Irrigation

**MESA** = mid-elevation spray application

**VFD** = Variable Frequency Drive

### **Farm and Dairy Equipment Incentives**

<b>Equipment Type</b>	<b>Equipment Category</b>	<b>Minimum Efficiency Requirements</b>	<b>Customer Incentive</b>
Heat recovery	--	Heat recovery unit must use heat rejected from milk cooling refrigeration system to heat water. Customer must use electricity for water heating.	\$0.15/kWh annual energy savings
Milk pre-coolers (Retrofit only)	--	The equipment must cool milk with well water before it reaches the bulk cooling tank.	\$0.15/kWh annual energy savings
Variable frequency drive for dairy vacuum pumps (retrofit only)	--	VFD must vary motor speed based on target vacuum level. Incentive available for retrofit only (i.e. new construction and replacement of existing VFD not eligible.)	\$165/hp

**Notes for farm and dairy incentives table**

1. Equipment that meets or exceeds the efficiency requirements above may qualify for the listed incentive.
2. Incentives are capped at 80 percent of Energy Efficiency Project Costs and incentives will not be available to reduce Energy Efficiency Project simple payback below one year. Energy savings and Energy Efficiency Project Costs are subject to Pacific Power approval.
3. Except where noted, all equipment listed in the table is eligible for incentives in both new construction and retrofit projects.

**AMCA** = Air Movement and Control Association International, Inc.

**ANSI** = American National Standards Institute

**VFD** = Variable Frequency Drive

**cfm** = cubic feet per minute

**W** = Watt



### Compressed Air Incentives Table

Equipment Category	Replace	With	Limitations	Customer Incentive
VFD controlled compressor	Fixed speed compressor	≤75 hp VFD controlled oil-injected screw compressor operating in system with total compressor capacity ≤75 hp, not counting backup compressor capacity	1. Total compressor capacity in upgraded system is ≤75 hp, not counting backup compressor. 2. Compressor must adjust speed as primary means of capacity control.	\$0.15/kWh annual energy savings

**Notes for compressed air incentive table**

1. Equipment that meets or exceeds the efficiency requirements above may qualify for the listed incentive.
2. Incentives are capped at 80 percent of Energy Efficiency Project Costs, and incentives will not be available to reduce Energy Efficiency Project simple payback below one year. Energy savings and Energy Efficiency Project Costs are subject to Pacific Power approval.

**hp** = horsepower

**VFD** = variable frequency drive

### Incentives for Wastewater and Other Refrigeration Energy Efficiency Measures

Equipment Type	Replace	With	Customer Incentive
Adaptive refrigeration control	Conventional controls (defrost timeclock, space thermostat, evaporator fan control, if any, thermal expansion valve in some instances)	Adaptive refrigeration controller and, in some instances, electric expansion valve	\$0.15/kWh annual energy savings
Fast acting door	Manually operated door, automatic door with long cycle time, strip curtain, or entryway with no door in refrigerated/conditioned space	Fast acting door	\$0.15/kWh annual energy savings
Wastewater – low power mixer	Excess aeration capacity	Extended range circulator	\$0.15/kWh annual energy savings

**Notes for other energy efficiency measures incentives table**

1. Equipment that meets or exceeds the efficiency requirements above may qualify for the listed incentive.
2. Incentives are capped at 80 percent of Energy Efficiency Project Costs and incentives will not be available to reduce the Energy Efficiency Project simple payback below one year. Energy savings and Energy Efficiency Project Costs are subject to Pacific Power approval.

**Enhanced Incentives for Small Businesses – Lighting (Retrofit only)**

<b>Customer Eligibility Requirements</b>	<b>Equipment Eligibility Requirement</b>		<b>Customer Incentive</b>
T8 TLED Lamp – UL Type A, A/B Dual Mode (Accelerated Replacement) <a href="#">(see note 3)</a>	LED must be listed on qualified equipment list and must be replacing a linear fluorescent lamp in an interior application or parking garage		\$6/lamp
T8 TLED Lamp – UL Type B (Accelerated Replacement) <a href="#">(see note 3)</a>	LED must be listed on qualified equipment list and must be replacing a linear fluorescent lamp in an interior application or parking garage		\$7.50/lamp
T8 TLED Lamp – UL Type B (Normal Replacement) <a href="#">(see note 3)</a>	LED must be listed on qualified equipment list and must be replacing a linear fluorescent lamp in an interior application or parking garage		\$1.50/lamp
T8 TLED Lamp – UL Type C (Normal Replacement)	LED must be listed on qualified equipment list and must be replacing a linear fluorescent lamp in an interior application or parking garage	Fixture with 2 T8 TLED Type C Lamps	\$7/fixture
		Fixture with 3 T8 TLED Type C Lamps	\$10/fixture
		Fixture with 4 T8 TLED Type C Lamps	\$13/fixture
Interior Lighting – site specific measures	Custom (not listed above)		\$0.35/kWh annual energy savings

**Notes for other enhanced incentives for small business – lighting (retrofit only) table**

1. Equipment that meets or exceeds the efficiency requirements above may qualify for the listed incentive.
2. Incentives are capped at 90 percent of Energy Efficiency Project Costs. Energy savings and Energy Efficiency Project Costs are subject to Pacific Power approval.
3. [UL Type A/B lamps may be eligible for UT Type A or Type B incentives when configured as the respective lamp type.](#)

## **Wattsmart Business - California - Definitions**

**Customer:** Any party who has applied for, been accepted and receives service at the real property, or is the electricity user at the real property.

**Energy Efficiency Incentive:** Payments of money made by Pacific Power to Owner or Customer for installation of an Energy Efficiency Measure pursuant to an acknowledged Energy Efficiency Incentive Offer Letter or approved Energy Efficiency Incentive Application.

**Incentive Application:** An application submitted by Owner or Customer to Pacific Power for Energy Efficiency or Energy Management Incentives.

**Energy Efficiency Measure (EEM):** A permanently installed measure which can improve the efficiency of the Customer's electric energy use.

**Energy Efficiency Measure (EEM) Cost:**

- New Construction/Major Renovation: EEM Cost is the total installed cost of energy efficiency equipment or system minus the cost of the code compliance/common practice equipment or system.
- Retrofit: EEM Cost is the total installed cost of the energy efficiency equipment or modification.

In the case of New Construction, Major Renovations, and Retrofits, EEM Costs shall mean the Owner or Customer's reasonable costs incurred (net of any discounts, rebates or incentives other than Energy Efficiency Incentives from Pacific Power, or other consideration that reduces the final actual EEM Cost incurred by the Owner or Customer) to purchase and install EEMs at the Owner's or Customer's facility. If the Owner or Customer installs the EEM then the cost of installation shall be equal to the Owner's or Customer's actual labor costs for such installation.

**Energy Efficiency Project:** One or more EEM(s) at a Non-residential Facility<sup>8</sup>with similar one year payback limitations covered by one Energy Efficiency Incentive Application.

**Energy Efficiency Project Cost:** The sum of EEM Costs for one or more EEM(s) with similar one year payback limitations covered by one Energy Efficiency Incentive Application.

**Energy Management Offer Letter:** An offer made by Pacific Power and acknowledged by Owner or Customer and Pacific Power providing for Pacific Power to furnish Energy Management Incentives for an Energy Management Project.

**Energy Management Incentive:** Payments of money made by Pacific Power to Owner or Customer for implementation of an Energy Management Measure pursuant to an executed Energy Management Offer Letter.

<sup>8</sup> Measures at multiple Non-residential Facilities may be included in one Incentive Application or Offer Letter for convenience; however, project incentive caps (if any) are applied per individual Non-residential Facility.

**Energy Management Measure (EMM):** an operational improvement which, when implemented in an eligible facility, result in electric savings compared to current operations as determined by Pacific Power.

**Energy Management Project:** One or more EMM(s) at a Non-residential Facility covered by one Energy Management Offer Letter.

**Energy Project Manager:** an employee or direct contractor of the Customer who will manage electrical energy efficiency projects that deliver savings toward the Customer/Owner's energy savings goal.

**Energy Project Manager Co-funding:** funding towards the Energy Project Manager agreed upon full value salary that is solely attributable to electrical energy efficiency work.

**Major Renovation:** A change in facility use type or where the existing system will not meet Owner/Customer projected requirements within existing facility square footage.

**Measure Application Types (MAT):** The California Public Utilities Commission recognizes the following standard categories of measure application types used to determine baseline, cost, and energy savings calculations:

**New Construction (NC):** The New Construction (NC) MAT is used where equipment is installed in either a new area or an area that has been subject to a major renovation, to expand capacity of existing systems, or to serve a new load. The NC MAT is used where there is no reference operation for existing conditions, such as with new construction, expansions, added load, a change in the function of the space (e.g. office to laboratory), or a substantial change (e.g. ~30% or more) in design occupancy. For NC measures, the baseline is the Standard Practice, or Code baseline in place at the time the project commenced.

**Normal Replacement, including Replace and Burnout (NR):** The Normal Replacement (NR) MAT is used where existing equipment (including Add-On Equipment) has either failed, no longer meets current or anticipated needs, or is planned to be replaced for reasons unrelated to the program. For NR measures, the baseline is the Standard Practice, or Code baseline in place at the time the project commenced. The NR MAT may be applied to any measure or program, with certain exceptions, and without a burden of proof.

**Accelerated Replacement (AR):** The Accelerated Replacement (AR) MAT is used for the replacement of existing equipment that could and would remain operational without program intervention. It is used in direct contrast to the NR MAT, which is used when existing equipment either could not or would not remain operational. Early retirement (non-capacity expansion) measures and replacement of "operating equipment that when broken, non-functional, or unable to provide the intended service is typically repaired" can be classified as AR. New construction and capacity expansion cannot be classified as AR.

AR measures are required to demonstrate both (1) the continued viability of the existing equipment and (2) the program influence on the decision to retire the system early. Evidence that the equipment

**could** have remained operational only addresses viability; evidence indicating that the equipment **would** have remained in operation addresses both criteria. Assessment of evidence for and against both viability and influence is referred to as a “preponderance of evidence (POE) based assessment”. The POE may be assessed at the measure, project, or program level. The POE determination is based on the most convincing evidence and its probable truth or accuracy, not on the amount of evidence presented.

**Add-On Equipment (AOE):** The Add-On Equipment MAT is used for installations of new equipment onto pre-existing equipment, improving the nominal efficiency of the host system. The existing host system must be operational without the AOE equipment, continue to operate as the primary service equipment for the existing load, and be able to fully meet the existing load at all times without the add-on component. The add-on equipment must not be able to operate on its own. The actual energy reduction occurs at the host equipment, not at the add-on component, although any add-on component energy usage must be subtracted from the host savings. AOE may use a Code, Standard Practice, or Existing Conditions baseline. The replacement of broken or poorly performing add-on equipment is considered through the NR MAT, not the AOE MAT.

**Building Weatherization, shell and related components (BW):** The Building Weatherization (BW) MAT is used for non-mechanical building efficiency improvements such as windows, insulation, and air sealing. BW measures use an existing condition baseline, however, the use of a Code or Standard Practice baseline is permitted.

**Behavioral (BRO-Bhv), Retrocommissioning (BRO-RCx), Operational (BRO-Op):** The Behavioral, Retrocommissioning, and Operational (BRO) MAT is used for measures that either restore or improve energy efficiency and that can be reasonably expected to produce multi-year savings. By definition, BRO measures result in performance that does not exceed the nominal (rated or original) efficiency of the pre-existing condition. BRO measures may use a Code, Standard Practice, or Existing Conditions baseline.

Savings from correcting deferred maintenance, performance restoration, and operational characteristics are considered within the BRO category. In the case of either normal or accelerated equipment replacement, separate claims should be made for energy savings related to the equipment replacement and energy savings related to operational factors and updating maintenance.

**Mixed Use:** Buildings served by a residential schedule and a rate schedule listed in the applicability section above shall be eligible for services under this schedule provided the Energy Efficiency Project meets the definition of New Construction or Major Renovation.

**New Construction:** A newly constructed facility or newly constructed square footage added to an existing facility.

**Non-residential Facility:** A Customer site that is served by Pacific Power and meets the applicability requirements listed above.

**Owner:** The person who has both legal and beneficial title to the real property, and is the mortgager under a duly recorded mortgage of real property, the trustor under a duly recorded deed of trust.

**Retrofit:** Changes, modifications or additions to systems or equipment in existing facility square footage.