**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. ~~Electric savings resulting from lighting interaction with mechanical equipment is not eligible for a custom incentive.~~

**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 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 co-funding**
Pacific Power may fund an additional $0.025 per kWh of verified ~~wattsmart~~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 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:[1],[2]**

| Category | | Incentive | Percent Project Cost Cap[3] | 1-Year Simple Payback Cap for Projects[4] | Other Limitations |
|---|---|---|---|---|---|
| Prescriptive Incentives (~~Typical Upgrades~~Listed Measures)[5] | Lighting – Retrofit (deemed measures) | | None | No | |
| | Lighting – Retrofit (site-specific measures) | See incentive lists | ~~70~~80% | Yes | See incentive lists |
| | 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[6] | | None | No | |
| | ~~Building Envelope~~ | | ~~None~~ | ~~No~~ | |
| | Food Service | | None | No | |
| | Appliances | | None | No | |
| | ~~Office~~ | | ~~None~~ | ~~No~~ | |
| | ~~Irrigation Pump VFD~~ | | ~~70%~~ | ~~Yes~~ | |
| | Irrigation ~~Water Distribution~~ | | None | No | |
| | Farm and Dairy | | ~~70~~80% | Yes | |
| | Compressed Air | | ~~70~~80% | Yes | |

[1] 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.

[2] Incentives for prescriptive measures are restricted to the amounts shown on the website.

[3] 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.

[4] 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.

~~[5] For Schedule LS-51 and LS-52 Street Lighting Service, the street lighting owner (Pacific Power) is not eligible for incentives.~~

~~[6] Evaporative pre-cooler incentives are subject to the project cost cap and the one-year payback cap.~~

| | | | | | |
|---|---|---|---|---|---|
| | Wastewater and other Refrigeration | | 7080% | Yes | |
| ~~Enhanced Incentives for Small Businesses~~ | ~~Lighting -Retrofit~~ | ~~Determined by Pacific Power with not-to-exceed amounts as shown in **Enhanced Incentives for Small Businesses** table~~ | ~~80%~~ | ~~No~~ | ~~Available to all Schedule A-25 and A-32 customers meeting small business criteria on Pacific Power website. Qualifying equipment must be installed by an approved contractor/vendor.~~ |
| | ~~Non-lighting~~ | | ~~None~~ | ~~No~~ | |
| ~~Mid-market incentives~~ | | ~~Determined by Pacific Power with not-to-exceed amounts as shown in incentive table for this offer~~ | ~~No~~ | ~~No~~ | ~~Incentives available at the point of purchase through approved distributors/retailers or via a post-purchase customer application process.~~ |
| Custom Non-Lighting Incentives for qualifying measures not on the prescriptive list.[7] | | $0.15 per annual kWh savings | 7080% | Yes | N/A |
| Energy Management | | $0.02 per kWh annual savings | N/A | No | N/A |
| 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[8] |

## Incentive Tables

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

[7] 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.

[8] Customers may aggregate accounts to achieve minimum requirements.

## Retrofit Lighting Incentive Table

| ~~Category~~Measure | ~~Eligibility Requirements~~Category | Eligibility Requirements | Incentive |
|---|---|---|---|
| Interior Lighting – deemed measures | LED Ambient Fixtures and Retrofit Kits (Normal Replacement) (see notes 6 and 7) | 2 x 4 LED New Luminaire rated greater than or equal to 125 LPW and < 140 LPW | $3/kilolumen |
| | | 2 x 4 LED New Luminaire rated greater than or equal to 140 LPW | $5/kilolumen |
| | | 2 x 2 LED New Luminaire rated greater than or equal to 125 LPW and < 140 LPW | $3/kilolumen |
| | | 2 x 2 LED New Luminaire rated greater than or equal to 140 LPW | $5/kilolumen |
| | | 1 x 4 LED New Luminaire rated greater than or equal to 125 LPW and < 140 LPW | $3/kilolumen |
| | | 1 x 4 LED New Luminaire rated greater than or equal to 140 LPW | $5/kilolumen |
| | | 2 x 4 LED Integrated retrofit kit rated greater than or equal to 125 LPW and < 140 LPW | $3/kilolumen |
| | | 2 x 4 LED Integrated retrofit kit rated greater than or equal to 140 LPW | $5/kilolumen |
| | | 2 x 2 LED Integrated retrofit kit rated greater than or equal to 125 LPW and < 140 LPW | $3/kilolumen |
| | | 2 x 2 LED Integrated retrofit kit rated greater than or equal to 140 LPW | $5/kilolumen |
| | | 1 x 4 LED Integrated retrofit kit rated greater than or equal to 125 LPW and < 140 LPW | $3/kilolumen |
| | | 1 x 4 LED Integrated retrofit kit rated greater than or equal to 140 LPW | $5/kilolumen |
| | | LED Direct/Indirect Linear Ambient 2 ft. New Luminaire rated greater than or equal to 125 LPW and < 140 LPW | $3/kilolumen |
| | | LED Direct/Indirect Linear Ambient 2 ft. New Luminaire rated greater than or equal to 140 LPW | $5/kilolumen |
| | | LED Direct/Indirect Linear Ambient 4 ft. New Luminaire rated greater than or equal to 125 LPW and < 140 LPW | $3/kilolumen |
| | | LED Direct/Indirect Linear Ambient 4 ft. New Luminaire rated greater than or equal to 140 LPW | $5/kilolumen |
| | | LED Direct/Indirect Linear Ambient 8 ft. New Luminaire rated greater than or equal to 125 LPW and < 140 LPW | $3/kilolumen |
| | | LED Direct/Indirect Linear Ambient 8 ft. New Luminaire rated greater than or equal to 140 LPW | $5/kilolumen |
| | | LED Direct Linear Ambient 2 ft. retrofit kit rated greater than or equal to 125 LPW and < 140 LPW | $3/kilolumen |
| | | LED Direct Linear Ambient 2 ft. retrofit kit rated greater than or equal to 140 LPW | $5/kilolumen |
| | | LED Direct Linear Ambient 4 ft. retrofit kit rated greater than or equal to 125 LPW and < 140 LPW | $3/kilolumen |
| | | LED Direct Linear Ambient 4 ft. retrofit kit rated greater than or equal to 140 LPW | $5/kilolumen |
| | | LED Direct Linear Ambient 8 ft. retrofit kit rated greater than or equal to 125 LPW and < 140 LPW | $3/kilolumen |
| | | LED Direct Linear Ambient 8 ft. retrofit kit rated greater than or equal to 140 LPW | $5/kilolumen |
| | T8 TLED Lamp – UL Type A, A/B Dual Mode (Accelerated Replacement) | 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 |
| Interior Lighting – site specific measures | T8 TLED Lamp – UL Type B | LED must be listed on qualified equipment list | $0.25/kWh annual energy savings |
| | T8 TLED Lamp – UL Type C | LED must be listed on qualified equipment list | $0.25/kWh annual energy savings |
| | Controls-only upgrade to | Product must be listed on qualified equipment list | $0.16/kWh annual energy savings |

| | | | |
|---|---|---|---|
| | Advanced Controls | | |
| | Custom | Not listed above | $0.15/kWh |
| ~~Interior Lighting~~ | ~~Full Fixture Replacement~~ | ~~With upgrade to Advanced Controls~~ | ~~$0.16/kWh~~ |
| | | ~~With upgrade to Basic Controls~~ | ~~$0.14/kWh~~ |
| | | ~~Without controls upgrade~~ | ~~$0.12/kWh~~ |
| | ~~Fixture Retrofit Kits~~ | ~~With controls upgrade to Basic or Advanced Controls~~ | ~~$0.12/kWh~~ |
| | | ~~Without controls upgrade~~ | ~~$0.10/kWh~~ |
| | ~~Lamp Replacement~~ | ~~Lamp-only Replacements~~ | ~~See Mid-market incentive table~~ |
| | ~~Controls-only Retrofit~~ | ~~Controls-only upgrade to Advanced Controls~~ | ~~$0.16/kWh~~ |
| | | ~~Controls-only upgrade to Basic Controls~~ | ~~$0.12/kWh~~ |
| ~~Exterior Lighting~~ | ~~Full Fixture Replacement (except Street Lighting)~~ | ~~With upgrade to Advanced Dimming Controls~~ | ~~$0.10/kWh~~ |
| | | ~~Without controls upgrade~~ | ~~$0.06/kWh~~ |
| | ~~Fixture Retrofit Kits (except Street Lighting)~~ | ~~With upgrade to Advanced Dimming Controls~~ | ~~$0.07/kWh~~ |
| | | ~~Without controls upgrade~~ | ~~$0.05/kWh~~ |
| | ~~Lamp Replacement (except Street Lighting)~~ | ~~Lamp-only Replacements~~ | ~~See Mid-market incentive table~~ |
| | ~~Street Lighting~~ | ~~With upgrade to Advanced Dimming Controls~~ | ~~$0.10/kWh~~ |
| | | ~~Without controls upgrade~~ | ~~$0.06/kWh~~ |
| | ~~Controls-only Retrofit~~ | ~~Controls-only upgrade to Advanced Dimming Controls~~ | ~~$0.07/kWh~~ |
| ~~Non-General Illumination~~ | ~~LED Case Lighting – Refrigerated Case~~ | ~~LED replacing fluorescent lamp in existing refrigerated cases. LED must be listed on qualified equipment list.~~ | ~~$10/linear foot~~ |
| | ~~LED Case Lighting – Freezer Case~~ | | ~~$10/linear foot~~ |
| | ~~Refrigerated Case Occupancy Sensor~~ | ~~Installed in existing refrigerated case with LED lighting~~ | ~~$1/linear foot~~ |
| ~~Custom Lighting~~ | ~~Custom~~ | ~~Not listed above~~ | ~~$0.05/kWh~~ |

Notes for interior lighting retrofit 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 8070 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 Lamp may be designated as UL Type A+B, but must be configured as a UL Type A.
6. Product must meet the technical requirements listed on the current Design Lights Consortium (DLC) qualified product list (QPL) for its corresponding product category.
7. Listed incentives for LED Ambient Fixtures and Retrofit Kits will be available through December 31, 2020. Efecctive January 1, 2021, these measures will be eligible for the custom lighting incentive.

**LPW** = Lumens Per Watt

**TLED** = Tubular Light-Emitting Diode

**UL** = Underwriters Laboratories

## New Construction/Major Renovation Lighting Incentive Table

| Measure | Category | Eligibility Requirements | Incentive |
|---|---|---|---|
| Interior Lighting* | Lighting and Lighting Control | ~~1. The total connected interior lighting power for New Construction/Major Renovation projects must be 10% lower than the interior lighting power allowance calculated under the applicable version of the State energy code. For New Construction/Major Renovation projects not included in the state energy code, the total connected lighting power must be 10% lower than common practice as determined by Pacific Power.~~<br>~~2. Energy savings is subject to approval by Pacific Power.~~T8 TLED Lamp – UL Type B with Advanced Networked Lighting Controls | $0.20~~08~~/kWh annual energy savings |
| | | T8 TLED Lamp – UL Type C with Advanced Networked Lighting Controls | $0.20/kWh annual energy savings |
| ~~Exterior Lighting~~ | ~~Induction Fixture~~ | ~~All Wattages, New Fixtures Only~~ | ~~$25/Fixture~~ |
| | ~~LED Outdoor Pole/Roadway, decorative~~ | ~~<75W; LED must be listed on qualified equipment list~~ | ~~$25/Fixture~~ |
| | ~~LED Outdoor Pole/Roadway~~ | ~~≤200W; LED must be listed on qualified equipment list~~ | ~~$50/fixture~~ |
| | | ~~>200W; LED must be listed on qualified equipment list~~ | ~~$175/fixture~~ |
| | ~~LED Canopy/Soffit~~ | ~~LED must be listed on qualified equipment list~~ | ~~$50/fixture~~ |
| | ~~LED Wall packs~~ | ~~<50 Watts; LED must be listed on qualified equipment list~~ | ~~$50/fixture~~ |
| | | ~~≥50 Watts; LED must be listed on qualified equipment list~~ | ~~$50/fixture~~ |
| | ~~LED Flood Lights~~ | ~~<100 Watts; LED must be listed on qualified equipment list~~ | ~~$50/fixture~~ |
| | | ~~≥100 Watts; LED must be listed on qualified equipment list~~ | ~~$100/fixture~~ |
| | ~~Custom~~ | ~~Not listed above~~ | ~~$0.08/kWh annual energy savings~~ |

*Project Cost Caps of ~~70~~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.

**LED** = Light-Emitting Diode
**TLED** = Tubular Light-Emitting Diode

## Motor Incentives Table

| Equipment Type | Size Category | Sub-Category | Minimum Efficiency Requirement | Customer Incentive |
|---|---|---|---|---|
| ~~Electronically Commutated Motor (Retrofit only)~~ | ~~≤ 1 horsepower~~ | ~~Refrigeration application~~ | ~~--~~ | ~~$0.50/watt~~ |
| | | ~~HVAC application~~ | ~~--~~ | ~~$50/horsepower~~ |
| Variable-~~Frequency~~ Speed Drives (HVAC fans~~ and pumps~~) (~~Retrofit Only~~Add-On Equipment) | ≤ 100 horsepower | HVAC fans~~ and pumps~~ | See Note 2 | $~~65~~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 ~~or pump VFD~~ VSD incentives. VSD must be applied to the existing HVAC supply or return air system. ~~VFDs~~ 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.

~~**ECM** = Electronically Commutated Motor~~
**GMPG** = Green Motors Practices Group
**HVAC** = Heating, Ventilation and Air Conditioning
~~**VFD**~~ **VSD** = Variable ~~Frequency~~ Speed Drive

# HVAC Equipment Incentive Table

| Equipment Type | Size Category | Sub-Category | Minimum Efficiency Requirement | Customer Incentive |
|---|---|---|---|---|
| ~~Unitary Commercial Air Conditioners, Air-Cooled~~ | ~~< 65,000 Btu/hr~~ | ~~Split system and single package~~ | ~~16 SEER 12.5 EER~~ | ~~$50/ton~~ |
| | | | ~~17 SEER 13.3 EER~~ | ~~$75/ton~~ |
| | | | ~~18 SEER 14 EER~~ | |
| | ~~≥ 65,000 and < 135,000 Btu/hr~~ | ~~Single package~~ | ~~15 IEER 13 EER~~ | ~~$50/ton~~ |
| | ~~≥ 760,000 Btu/hr~~ | | ~~12.3 IEER 11 EER~~ | |
| | | | ~~13.8 IEER 12 EER~~ | |
| | ~~All equipment sizes~~ | ~~Split system and single package~~ | ~~CEE Tier 2~~ | ~~$50/ton~~ |
| | | | ~~CEE Advanced Tier~~ | ~~$75/ton~~ |
| ~~Unitary Commercial Air Conditioners, Water-Cooled~~ | ~~< 65,000 Btu/hr~~ | ~~Single package~~ | ~~14 EER~~ | ~~$25/ton~~ |
| | ~~≥ 65,000 Btu/hr~~ | | | |
| | ~~All equipment sizes~~ | ~~Single system and split package~~ | ~~CEE Tier 1~~ | ~~$25/ton~~ |
| ~~Unitary Commercial Air Conditioners, Evaporative-Cooled~~ | ~~< 65,000 Btu/hr~~ | ~~Single package~~ | ~~14 EER~~ | ~~$50/ton~~ |
| | ~~≥ 65,000 Btu/hr~~ | | | |
| | ~~All equipment sizes~~ | ~~Singple system and split package~~ | ~~CEE Tier 1~~ | ~~$50/ton~~ |
| Packaged Terminal Air Conditioners (PTAC) (Normal Replacement) | ≤ ~~8,000~~7,000 Btu/hr | Single package | ~~12.2~~11.29 EER | $~~25~~100/ton |
| | > ~~8,000~~7,000 Btu/hr and ≤ 15,000~~< 10,500~~ Btu/hr | | ~~11.9~~10.27 EER | |
| | > 15,000 Btu/hr | | 9.25 EER | |
| Packaged Terminal Air Conditioners (PTAC) (New Construction) | ~~≥ 10,500 Btu/hr and ≤ 13,500~~7,000 Btu/hr | | ~~10.7~~14.28 EER | |
| | > 7,000 Btu/hr and ≤ 15,000 Btu/hr | | 12.84 EER | |
| | > ~~13,500~~15,000 Btu/hr | | ~~9.9~~11.4 EER | |
| Packaged Terminal Heat Pumps (PTHP) (~~Heating &~~ Cooling Mode) (Normal Replacement) | ≤ ~~8,000~~ 7,000 Btu/hr | Single package | ~~12.2~~11.17 EER ~~3.4 COP~~ | $~~50~~100/ton |
| | > ~~8,000~~7,000 Btu/hr and ~~<~~< ~~10,500~~ 15,000 Btu/hr | | ~~11.5~~10.15 EER ~~3.3 COP~~ | |
| | > 15,000 Btu/hr | | 9.13 EER | |
| Packaged Terminal Heat Pumps (PTHP) (Cooling Mode) (New Construction) | ≤ 7,000 Btu/hr~~≥ 10,500 Btu/hr and ≤ 13,500 Btu/hr~~ | | ~~10.7~~14.28 EER ~~3.1 COP~~ | |
| | > 7,000 Btu/hr and ≤ 15,000 Btu/hr | | 12.84 EER | |

| | | | | |
|---|---|---|---|---|
| | > 15,000 Btu/hr~~> 13,500 Btu/hr~~ | | ~~9.8~~11.4 EER<br>~~3.0 COP~~ | |
| Heat Pump, Air Cooled, replacing electric resistance heating (Cooling Mode) (Retrofit Only) (see note 5) | < 65,000 Btu/hr | Split system and single package | CEE Tier 1 | $300/ton |
| | All sizes | Split system and single package | CEE Tier 1 | $300/ton |
| | | | CEE Tier 2 | $350/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 |
| ~~Heat Pump, Air-Cooled(Heating & Cooling Mode)~~ | ~~< 65,000 Btu/hr~~ | ~~Single package (See note 3)~~ | ~~16 SEER 8.5 HSPF~~ | ~~$50/ton~~ |
| | | | ~~17 SEER 9 HSPF~~ | |
| | | ~~Split system (See note 3)~~ | ~~16 SEER 9 HSPF~~ | ~~$50/ton~~ |
| | | | ~~17 SEER 9.4 HSPF~~ | |
| | | | ~~18 SEER 9.7 HSPF~~ | |
| | ~~All equipment sizes~~ | ~~Split system and single package (See note 3)~~ | ~~CEE Tier 2~~ | ~~$50/ton~~ |
| ~~Heat Pumps, Water-Source (Heating & Cooling Mode)~~ | ~~All equipment sizes~~ | ~~(See note 3)~~ | ~~14 EER 4.6 COP~~ | ~~$50/ton~~ |

## ~~HVAC Equipment Incentive Table (Continued)~~

| | | | ~~Minimum Efficiency Requirement & Customer Incentive~~ | | |
|---|---|---|---|---|---|
| ~~Equipment Type~~ | ~~Size Category~~ | ~~Sub-Category~~ | ~~$25/ton~~ | ~~$50/ton~~ | ~~$75/ton~~ |
| ~~VRF Air-Cooled Heat Pumps (Cooling Mode)~~ | ~~All Equipment Sizes~~ | ~~Multisplit System or Multisplit System with Heat Recovery~~ | | | ~~CEE Tier 1~~ |
| ~~VRF Air-Cooled Heat Pumps (Heating Mode)~~ | ~~All Equipment Sizes~~ | ~~Multisplit System or Multisplit System with Heat Recovery (See note 3)~~ | | | ~~CEE Tier 1~~ |
| ~~VRF Water-Cooled Heat Pumps (Cooling Mode)~~ | ~~< 135,000 Btu/hr~~ | ~~Multisplit System or Multisplit System with Heat Recovery~~ | | | ~~CEE Tier 1~~ |

| | | | | | |
|---|---|---|---|---|---|
| ~~VRF Water-Cooled Heat Pumps (Heating Mode)~~ | ~~< 135,000 Btu/hr~~ | ~~Multisplit System or Multisplit System with Heat Recovery (See note 3)~~ | | | ~~CEE Tier 1~~ |
| ~~Heat Pumps, Ground-Source or Groundwater-Source (Heating & Cooling Mode)~~ | ~~All sizes~~ | ~~(See note 3)~~ | ~~–~~ | ~~ENERGY STAR Qualified~~ | ~~–~~ |
| ~~Ground Source or Groundwater-Source Heat Pump Loop~~ | ~~All sizes~~ | | ~~$25/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, ~~and AHRI Standard 1230 for VRF systems~~.

~~5. Ground and Water Source Heat Pumps must meet or exceed listed efficiency requirements when rated in accordance with ISO 13256-1 to qualify for the listed incentive.~~

~~6. Units rated with an IPLV may qualify for the listed incentives if the value meets or exceeds the minimum IPLV established in the Consortium for Energy Efficiency Commercial Unitary Air-Conditioning and Heat Pump specification effective January 16, 2009.~~

5~~7~~. 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.

6. Equipment must meet CEE part load efficiency requirements (SEER or IEER). Equipment does not need to meet CEE full load efficiency requirements (EER), as long as the part load efficiency requirement is also specificed for the equipment in CEE. If CEE 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
~~**COP** = Coefficient of Performance~~
**EER** = Energy Efficiency Ratio
~~**HSPF** = Heating Seasonal Performance Factor~~
**HVAC** = Heating, Ventilation and Air-Conditioning
**IEER** = Integrated Energy Efficiency Ratio
~~**IPLV** = Integrated Part Load Value~~
**PTAC** = Packaged Terminal Air Conditioner
**PTHP** = Packaged Terminal Heat Pump
**SEER** = Seasonal Energy Efficiency Ratio
~~**VRF** = Variable Refrigerant Flow~~

## Other HVAC Equipment and Controls Incentives Table

| Equipment Type | Size Category | Sub-Category | Minimum Efficiency Requirement | Customer Incentive |
|---|---|---|---|---|
| Evaporative Cooling | All sizes | Direct or Indirect | | $0.06/CFM |
| Indirect-Direct Evaporative Cooling (IDEC) | All sizes | -- | Applicable system components must exceed minimum efficiencies required by energy code | $0.15/kWh annual energy savings See Note 2 |
| Chillers | All except chillers intended for backup service only | Serving primarily occupant comfort cooling loads (no more than 20% of process cooling loads) | Must exceed minimum efficiencies required by energy code | $0.15/kWh annual energy savings See Note 3 |
| 365/366 day Programmable or Occupancy-based Thermostat | All sizes in portable classrooms with mechanical cooling | Must be installed in portable classroom unoccupied during summer months | 365/366 day thermostatic or occupancy based setback capability | $150/thermostat |
| Occupancy Based PTHP/PTAC control | All sizes with no prior occupancy based control | -- | See Note 4 | $50/controller |
| Evaporative Pre-cooler (Retrofit Only) | | For single air-cooled packaged rooftop or matched split system condensers only. | Minimum performance efficiency of 75%. Must have enthalpy controls to control pre-cooler operation. Water supply must have chemical or mechanical water treatment. | $75/ton of attached cooling capacity See Note 5 |
| Advanced Rooftop Unit Control (Existing RTU) | ≥ 5 tons and ≤ 10 tons | Must be installed on existing unitary packaged rooftop units (no split systems), ≥ 5 tons nominal cooling capacity with constant speed supply fans. | Controls must include:<br>- Either a supply fan VFD or multi-speed supply fan motor with controller that meets ventilation and space conditioning needs<br>- Digital, integrated economizer control | $2,000 |
| | > 10 tons and ≤ 15 tons | | | $2,800 |
| | > 15 tons and ≤ 20 tons | | | $4,000 |
| | > 20 tons | | | $4,500 |
| Advanced Rooftop Unit Control (Existing RTU, DCV Only) | ≥ 5 tons and ≤ 10 tons | Must be installed on existing unitary packaged rooftop units (no split systems), ≥ 5 tons nominal cooling capacity. | Controls must include:<br>- Digital, integrated economizer control with either an existing supply fan VFD or an existing multi-speed supply fan motor and controller that meets ventilation and space conditioning needs | $500 |
| | > 10 tons and ≤ 15 tons | | | $600 |
| | > 15 tons and ≤ 20 tons | | | $700 |
| | > 20 tons | | | $800 |
| Advanced Rooftop Unit Control (New RTU) | ≥ 5 tons and ≤ 10 tons | Must be installed on new unitary packaged rooftop units (no split systems), ≥ 5 tons nominal cooling capacity. | Controls must include:<br>- Either a supply fan VFD or multi-speed supply fan motor with controller that meets ventilation and space conditioning needs<br>- Digital, integrated economizer control | $1,400 |
| | > 10 tons and ≤ 15 tons | | | $2,000 |
| | > 15 tons and ≤ 20 tons | | | $2,800 |
| | > 20 tons | | | $3,200 |
| | All Sizes | Add VFD | VFD must be added to an existing packaged single-zone | $90/ton |

| | | | | |
|---|---|---|---|---|
| Enhanced Ventilation Controls for RTUs - Heat Pump (Add-On Equipment) | | Add VFD and ADEC | 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. | $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 |

**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~~. Incentives are paid at $0.15/kWh annual energy savings. IDEC energy savings subject to approval by Pacific Power.~~. 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. Incentives are paid at $0.15/kWh annual energy savings. Chiller energy savings subject to approval by Pacific Power.~~
~~4. Controller units must include an occupancy sensor and include the capability to set back the zone temperature during extended unoccupied periods and set up the temperature once the zone is occupied.~~
~~5. Incentives for Evaporative Pre-coolers are capped at 70 percent of Energy Efficiency Project Costs and incentives 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.~~

~~**CFM** = Cubic Feet per Minute~~
~~**DCV** = Demand-Controlled Ventilation~~
**ADEC** = Advanced Digital Economizer Control
**HVAC** = Heating, Ventilating and Air-Conditioning
~~**IDEC** = Indirect Direct Evaporative Cooling~~
**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

**Building Envelope (Retrofit) Incentives**

| Equipment Type | Category | Minimum Efficiency Requirement | Customer Incentive |
|---|---|---|---|
| Roof/Attic Insulation | Climate Zone 16 Only | Minimum increment of R-10 insulation | $0.08/square foot |
| Wall Insulation | Climate Zone 16 Only | Minimum increment of R-10 insulation | $0.10/square foot |
| Windows (See Note 3, 4) | Site-Built | U-Factor ≤ 0.30 and SHGC ≤ 0.33 (Glazing Only Rating) | $0.34/square foot |
| | Assembly | U-Factor ≤ 0.30 and SHGC ≤ 0.33 (Entire Window Assembly Rating) | $0.34/square foot |
| Window Film | Existing Windows | See Note 5 | $0.15/kWh annual energy savings (See Note 5) |

**Notes for retrofit building envelope 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. Building must be conditioned with mechanical cooling to be eligible for building envelope incentives.
3. Energy performance of window assemblies and glazing products must be rated in accordance with NFRC. Site-Built metal window systems must include a thermal break within the frame or other appropriate NFRC certification to qualify for incentives. Skylights are not eligible to receive incentives.
4. Window square footage is determined by the dimensions of the entire window assembly, not just the window glass.
5. Incentives for window film are calculated based on film specifications and window orientation at $0.15/kWh annual energy savings. Energy savings subject to approval by Pacific Power.

**NFRC** = National Fenestration Rating Council
**SHGC** = Solar Heat Gain Coefficient

**Building Envelope (New Construction/Major Renovation) Incentives**

| Equipment Type | Category | Minimum Efficiency Requirement | Customer Incentive |
|---|---|---|---|
| Roof/Attic Insulation | Climate Zone 16 Only | Assembly U-value exceeds code by ≥ 20% | $0.04/square foot |
| Wall Insulation | Climate Zone 16 Only | Assembly U-value exceeds code by ≥ 20% | $0.05/square foot |
| Windows (See Note 4) | Assembly | U-Factor ≤ 0.30 and SHGC ≤ 0.24 (Entire Window Assembly Rating) | $0.34/square foot |

**Notes for building envelope (new construction/major renovation) 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. Building must be conditioned with mechanical cooling to be eligible for envelope incentives.
3. Window square footage is determined by the dimensions of the entire window assembly, not just the window glass.
4. Energy performance of window assemblies and glazing products must be rated in accordance with NFRC. Site-Built metal window systems must include a thermal break within the frame or other appropriate NFRC certification to qualify for incentives. Skylights are not eligible to receive incentives.

**NFRC** = National Fenestration Rating Council
**SHGC** = Solar Heat Gain Coefficient

## Food Service Equipment Incentives Table

| Equipment Type | Equipment Category | Minimum Efficiency Requirement | Customer Incentive |
|---|---|---|---|
| Undercounter Commercial Dishwasher (High Temperature models w/electric boosters Only) | UndercounterTier 1 | ENERGY STAR Qualified | $100$300 |
| | Tier 2 | | $450 |
| | Stationary Rack, Single Tank, Door Type | ENERGY STAR Qualified | $1400 |
| | Single Tank Conveyor | ENERGY STAR Qualified | $1,000 |
| | Multiple Tank Conveyor | ENERGY STAR Qualified | $500 |
| Electric Insulated Holding Cabinet | V ≥ 28 | ENERGY STAR Qualified | $700 |
| | 13 ≤ V < 28 | | $300 |
| | V < 13 | | $200 |
| Electric Steam Cooker | All Sizes | ENERGY STAR Qualified | $8402,500 |
| Electric Convection Oven | Full Half Size Electric | ENERGY STAR Qualified | $200 700 |
| | Full Size Electric | | $900 |
| Electric Griddle | | ENERGY STAR Tier 2 Qualified | $300$150/linear ft |
| Electric Combination Oven | < 15 pans | ENERGY STAR Qualified<br>ENERGY STAR QualifiedMust meet idle energy rate, cooking energy efficiency, and production capacity as listed on program website. | $2,000 |
| | 6-15 pans15-28 pans | | $2,200 |
| | 16-20 pans> 28 pans | | $3,500 |
| Electric Deck Oven | All Sizes | Must meet idle energy rate, heavy load cooking efficiency, and must be on pre-approved list on program website. | $3,000 |
| Electric Fryer | All Sizes | ENERGY STAR Qualified | $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 |
| Ice Machines (Air-Cooled Only) | Harvest Rate ≤ 300 lbs/day | ENERGY STAR Qualified | $100 |
| | Harvest Rate 301 – 500 lbs/day | ENERGY STAR Qualified | $150 |
| | Harvest Rate 501 – 1,000 lbs/day | ENERGY STAR Qualified | $200 |
| | Harvest Rate 1,001 – 1,500 lbs/day | ENERGY STAR Qualified | $300 |

| | | | |
|---|---|---|---|
| | ~~Harvest Rate > 1,500~~ | ~~ENERGY STAR Qualified~~ | ~~$500~~ |
| Ultra Low Temperature Freezer (See Note 6) | 15 ≤ V < 24 | ENERGY STAR Qualified | $600 |
| | 24 ≤ V ≤ 29 | | $1,200 |
| ~~Residential Refrigerator~~ | ~~Used in a Business~~ | ~~See wattsmart Homes program (See Note 2)~~ | |
| Demand Controlled Kitchen Ventilation Exhaust Hood (~~Retrofit~~ New Construction ~~Only~~) (See Note 3) | 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. | ~~$0.15/kWh annual energy savings (See note 4)~~$2,000/hp |
| Anti-Sweat Heater Controls (~~Retrofit Only~~Add-On Equipment) (See Note 5) | Low-Temp (Freezing) Cases | Controls that reduce energy consumption of anti-sweat heaters based on sensing humidity. | $~~20~~50/linear foot (case length) |
| | Med-Temp (Refrigerated) Cases | | $~~16~~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. Refer to Pacific Power's ~~wattsmart~~Wattsmart Home Energy Savings program for efficiency requirements and incentives (if available) for listed residential appliances used in a business. Incentives for qualifying residential refrigerators will be paid at $/unit as listed in the ~~wattsmart~~Wattsmart Home Energy Savings program on the date of purchase.
3. ~~Incentives are paid at $0.15/kWh annual energy savings. Demand controlled kitchen ventilation exhaust hood energy savings subject to approval by Pacific Power~~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.
4. All food service equipment measures are available in normal replacement or new construction applications except where measure application type is specified.
5. 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.
6. Ultra Low Temperature Freezer measure is only eligible in the following existing building types: Education – University, Health/Medical – Hospital, Manufacturing – Biotech, and Manufacturing – Pharmaceuticals.
7. 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

| Equipment Type | Equipment Category | Minimum Efficiency Requirement | Customer Incentive |
|---|---|---|---|
| High-Efficiency Clothes Washer (Normal Replacement or New Construction) | Residential (used in a Business) | See ~~wattsmart~~Wattsmart Home Energy Savings program | |
| | ~~Commercial (Coin-operated/Laundromat) (Must have Electric water heating and/or electric clothes dryer)~~ | ~~ENERGY STAR Qualified~~ | ~~$100~~ |
| Heat Pump Water Heater (Normal Replacement or New Construction) | Residential (used in a Business) | See ~~wattsmart~~Wattsmart Home Energy Savings program | |

**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.~~
3. ~~-~~Refer to Pacific Power's ~~wattsmart~~Wattsmart Home Energy Savings program for efficiency requirements and incentives (if available) for listed residential appliances used in a business.

~~CEE = Consortium for Energy Efficiency~~

~~**Incentives for Office Energy Efficiency Measures**~~

| ~~Equipment Type~~ | ~~Sub-Category~~ | ~~Minimum Efficiency Requirements~~ | ~~Customer Incentive~~ |
|---|---|---|---|
| ~~Smart Plug Strip~~ | ~~--~~ | ~~Incentive applies to any plug strip that eliminates idle or stand-by power consumption of connected plug-load appliance through the use of an occupancy sensor, electric load sensor, or timer.~~ | ~~$15/qualifying unit~~ |

~~**Notes for other energy efficiency measures 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 listed in the table may be eligible for incentives in new construction or retrofit projects.~~

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

| Irrigation Measure | Replace | With | Limitations | Customer Incentive |
|---|---|---|---|---|
| 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.<br>2. Incentive limited to two sprinklers per irrigated acre. | $0.503each |
| 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.<br>2. Fixed-in-place (solid set) systems not eligible.<br>3. Incentive limited to two sprinklers per irrigated acre. | $0.503 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.<br>2. Fixed-in-place (solid set) systems not eligible.<br>3. Incentive limited to two nozzles per irrigated acre. | $0.50 each |
| Cut and press or weld repair of leaking wheel line, hand line, or portable main line | Leak in wheel line, hand line, or portable main line | Cut and pipe press or weld repair | Invoice must show number of leaks repaired | $108/repair |
| 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.<br>2. For rebuilds, invoice must show number of rebuild kits purchased and installed. | $31 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.<br>2. Fixed-in-place (solid set) systems not eligible.<br>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.<br>2. Fixed-in-place (solid set) systems not eligible.<br>3. Incentive limited to two gaskets per irrigated acre. | $2 each |

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

| Irrigation Measure | Replace | With | Limitations | Customer Incentive |
|---|---|---|---|---|
| Pressure regulator | Worn pressure regulator. May also add regulator where there had been none before. | New pressure regulator of same design pressure or less | New regulator must be of same design pressure or less | $~~32~~ each |
| Low pressure sprinkler (e.g. rotating, wobbling, multi-trajectory spray) replacing impact sprinkler | Impact sprinkler | New low pressure sprinkler (on-board nozzle is considered part of sprinkler, not a separate item with additional incentive) | New sprinkler is of same design flow or less. | $3 each |
| Low pressure sprinkler (e.g. rotating, wobbling, multi-trajectory spray) replacing worn low pressure sprinkler | Worn low pressure sprinkler (e.g. rotating, wobbling, multi-trajectory spray) | New low pressure sprinkler (on-board nozzle is considered part of sprinkler, not a separate item with additional incentive) | New sprinkler is of same design flow or less. | $~~21.50~~ each |

## Irrigation Incentives – Measures for Any Type of System (Retrofit or New Construction~~, Including Non-Agricultural Irrigation Applications~~)

| Irrigation Measure | Replace | With | Limitations | Customer Incentive |
|---|---|---|---|---|
| ~~Irrigation pump VFD~~ | | ~~Add variable frequency drive to existing or new irrigation pump~~ | ~~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).~~<br>~~2. Both retrofit and new construction projects are eligible.~~<br>~~3. Incentives are capped at 70 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~~ | ~~$0.15/kWh annual savings~~ |

| | | | | |
|---|---|---|---|---|
| Well Pump VFD, <=300 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).<br>2. Both retrofit and new construction projects are eligible.<br>3. Pump must operate at least 1,000 hours/year and must discharge into pressurized irrigation system (i.e. not flood). | $37/hp |
| 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).<br>2. Both retrofit and new construction projects are eligible.<br>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 measures, 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 measures, equipment installed in fixed-in-place (solid set) systems is not eligible. Incentive is limited to two units per irrigated acre.

**VFD** = Variable Frequency Drive

## Farm and Dairy Equipment Incentives

| Equipment Type | Equipment Category | Minimum Efficiency Requirements | Customer Incentive |
|---|---|---|---|
| ~~Automatic milker takeoffs (retrofit only)~~ | ~~–~~ | ~~Equipment must be able to sense milk flow and remove milker when flow reaches a pre-set level. The vacuum pump serving the affected milking units must be equipped with a VFD. Incentive is available for adding automatic milker takeoffs to existing milking systems, not for takeoffs on a brand new system where there were none before. Replacement of existing automatic milker takeoffs is not eligible for this listed incentive, but may qualify for a Custom Energy Efficiency incentive.~~ | ~~$235 each~~ |
| ~~Agricultural engine block heater timers~~ | ~~–~~ | ~~Timer must be a UL-listed device and rated for a minimum of 15 amps continuous duty.~~ | ~~$10 each~~ |
| ~~High-efficiency circulating fans (See Note 2)~~ | ~~12-23" Diameter~~ | ~~Fan must achieve an efficiency level of 11 cfm/w~~ | ~~$25/fan~~ |
| | ~~24-35" Diameter~~ | ~~Fan must achieve an efficiency level of 18 cfm/w~~ | ~~$35/fan~~ |
| | ~~36-47"" Diameter~~ | ~~Fan must achieve an efficiency level of 18 cfm/w~~ | ~~$50/fan~~ |
| | ~~≥48" Diameter~~ | ~~Fan must achieve an efficiency level of 25 cfm/w~~ | ~~$75/fan~~ |
| 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 |
| ~~High-efficiency ventilation fan (See Note 2)~~ | ~~12-23" Diameter~~ | ~~Fan must achieve an efficiency level of 11 cfm/w~~ | ~~$45/fan~~ |
| | ~~24-35" Diameter~~ | ~~Fan must achieve an efficiency level of 13 cfm/w~~ | ~~$75/fan~~ |
| | ~~36-47"" Diameter~~ | ~~Fan must achieve an efficiency level of 17 cfm/w~~ | ~~$125/fan~~ |
| | ~~≥48" Diameter~~ | ~~Fan must achieve an efficiency level of 19.5 cfm/w~~ | ~~$150/fan~~ |
| 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 |
| ~~Programmable ventilation controller~~ | -- | ~~The controller must control ventilation fans based on temperature or other applicable factors such as humidity, odor concentration, etc.~~ | ~~$20/fan controlled~~ |
| 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 |

| | | | |
|---|---|---|---|
| ~~Potato or onion storage fan VFD~~ | | ~~Add variable frequency drive to existing or new fan in potato or onion storage.~~ | ~~$175/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. Fan performance must by rated by an independent testing body in accordance with the appropriate ANSI/AMCA standards.~~

2~~3~~. Incentives are capped at ~~70~~ 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~~4~~. 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 |
|---|---|---|---|---|
| ~~Receiver capacity addition~~ | ~~Limited or no receiver capacity (≤ 2 gallons per scfm of trim compressor capacity)~~ | ~~Total receiver capacity after addition must be > 2 gallons per scfm of trim compressor capacity~~ | ~~1. Compressor system size ≤ 75 horsepower, not counting backup compressor(s).~~<br>~~2. Trim compressor must use load/unload control, not inlet modulation or on/off control.~~<br>~~3. Systems with VFD compressor or using variable displacement compressor as trim compressor are not eligible.~~ | ~~$3/gallon above 2 gallons per scfm~~ |
| ~~Cycling refrigerated dryer~~ | ~~Non-cycling refrigerated dryer~~ | ~~Cycling refrigerated dryer~~ | ~~1. Rated dryer capacity must be ≤ 500 scfm.~~<br>~~2. Dryer must operate exclusively in cycling mode and cannot be equipped with the ability to select between cycling and non-cycling mode.~~<br>~~3. Refrigeration compressor must cycle off during periods of reduced demand.~~ | ~~$2/scfm~~ |
| 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.<br>2. Compressor must adjust speed as primary means of capacity control. | $0.15/kWh annual energy savings |
| ~~Zero-loss condensate drain~~ | ~~Timer drain~~ | ~~Zero-loss condensate drain (See note 4)~~ | ~~Drain is designed to function without release of compressed air into the atmosphere. Any size system is eligible – there is no restriction on compressor size.~~ | ~~$100 each~~ |
| ~~Outside air intake~~ | ~~Compressor drawing intake air from compressor room~~ | ~~Permanent ductwork between compressor air intake and outdoors~~ | ~~1. Ductwork must meet manufacturer's specifications, which may include: (a) ≤ 0.25" W.C. pressure loss at rated flow, and (b) allow use of compressor room air during extremely cold outside air conditions.~~ | ~~$6/hp~~ |

**Notes for compressed air incentive table**

1. Equipment that meets or exceeds the efficiency requirements above may qualify for the listed incentive.

~~2. Except for the zero-loss condensate drain , eligibility for incentives is limited to compressed air systems with total compressor capacity of 75 hp or less, not including backup compressor capacity that does not normally run.~~

~~3~~2. Incentives are capped at ~~70~~ 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.

~~4. Zero-loss condensate drains purchased as an integral part of another measure are eligible for the incentive shown above.~~

**hp** = horsepower
~~**ppm** = parts per million~~
~~**psi** = pounds per square inch~~
~~**scfm** = cubic feet of air per minute at standard conditions (14.5 psia, 68°F, and 0% relative humidity)~~
**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 ~~70~~ 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)[9]

| Measure | Category | Eligibility Requirements | Customer Incentive |
|---|---|---|---|
| LED** | 2x4 Troffer Retrofit to TLED (Lo-W) 2-lamp | TLED lamps with electronic ballast replacement or LED driver (external or integral). Lamp wattage reduction ≥ 10 Watts. | $52/Fixture |
| | 2x4 Troffer Retrofit to TLED (Hi-W) 2-lamp | | $64/Fixture |
| | 2x4 Troffer Retrofit to TLED (Lo-W) 4-lamp | | $72/Fixture |
| | 2x4 Troffer Retrofit to TLED (Hi-W) 4-lamp | | $76/Fixture |
| | 2x2 Troffer Retrofit to TLED | | $76/Fixture |
| | 2x4 Troffer Volumetric Kit (Lo-W) | LED volumetric kit, 2x4 or 2x2 troffer retrofit | $120/Fixture |
| | 2x4 Troffer Volumetric Kit (Hi-W) | | $136/Fixture |
| | 2x2 Troffer Volumetric Kit | | $96/Fixture |
| | 2x4 Troffer Flat Panel Kit (Lo-W) | LED flat panel fixture/kit, 2x4 or 2x2 troffer retrofit or replacement | $96/Fixture |
| | 2x4 Troffer Flat Panel Kit (Hi-W) | | $120/Fixture |
| | 2x2 Troffer Flat Panel Kit (Hi-W) | | $64/Fixture |
| | Industrial Strip Kit w/ TLED (Lo-W) 2-lamp | (1) 8' T12 to (2) 4' Tubular LED lamps and electronic ballast replacement or driver and retrofit kit. | $84/Fixture |
| | Industrial Strip Kit w/ TLED (Hi-W) 2-lamp | | $92/Fixture |
| | Industrial Strip Kit w/ TLED (Lo-W) 4-lamp | | $104/Fixture |
| | Industrial Strip Kit w/ TLED (Hi-W) 4-lamp | | $104/Fixture |
| | Industrial Strip Kit w/ 8' TLED 2-lamp | 8' Tubular LED lamps and electronic ballast replacement or driver and retrofit kit. | $104/Fixture |
| | LED High Bay/Low Bay Fixture (Lo-W) | Must replace incandescent or HID | $120/Fixture |
| | LED High Bay/Low Bay Fixture (Hi-W) | | $160/Fixture |
| | LED Wall Pack Fixture (Lo-W) | | $80/Fixture |
| | LED Wall Pack Fixture (Hi-W) | | $140/Fixture |
| Lighting Control | Occupancy Sensor Retrofit | PIR, Dual Tech, or Integral Sensor | $0.30/Watt controlled |

### Notes for enhanced incentives for small business customers:

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.

[9] Incentives for measures in this table are available only to Small Business customers as defined in the incentives table on page 2.

1. Incentives are capped at 80 percent of Energy Efficiency Project Costs. Energy Efficiency Project Costs are subject to Pacific Power approval.
2. Qualified equipment lists referenced in the above table are posted on the California energy efficiency program section of Pacific Power's website.

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**HID** = High Intensity Discharge (e.g. Mercury Vapor, High Pressure Sodium, Metal Halide)
**LED** = Light-Emitting Diode
**PIR** = Passive Infrared
**TLED** = Tubular Light-Emitting Diode

## Mid-Market Incentives

| Measure | Category | Eligibility Requirements | Maximum Incentive |
|---|---|---|---|
| LED | A-19 Lamp < 8 W, Medium Base* | LED must be listed on qualified equipment list | Up to $5/Lamp |
| | A-19 Lamp ≥ 8 W, Medium Base* | LED must be listed on qualified equipment list | Up to $5/Lamp |
| | A-21 Lamp ≥ 12 W, Medium Base* | LED must be listed on qualified equipment list | Up to $10/Lamp |
| | PAR Reflector Lamp* | LED must be listed on qualified equipment list | Up to $15/Lamp |
| | BR Reflector Lamp* | LED must be listed on qualified equipment list | Up to $13/Lamp |
| | MR16 Reflector Lamp | LED must be listed on qualified equipment list | Up to $10/Lamp |
| | PLC Pin-based Lamp <10 W | LED must be listed on qualified equipment list | Up to $10/Lamp |
| | PLC Pin-based Lamp ≥ 10 W | LED must be listed on qualified equipment list | Up to $15/Lamp |
| | PLL Pin-based Lamp | LED must be listed on qualified equipment list | Up to $15/Lamp |
| | Decorative Lamp* | LED must be listed on qualified equipment list | Up to $10/Lamp |
| | Recessed Downlight Kit | LED must be listed on qualified equipment list | Up to $15/Fixture |
| | T8 TLED Lamp – Type A, A/B Dual Mode | LED must be listed on qualified equipment list | Up to $10/Lamp |
| | T8 TLED Lamp – Type B | LED must be listed on qualified equipment list | Up to $15/Lamp |
| | T8 TLED Lamp – Type C | LED must be listed on qualified equipment list | Up to $25/Lamp |
| | T5 TLED Lamp | LED must be listed on qualified equipment list | Up to $15/Lamp |
| | HID Replacement Lamp <40 W | LED must be listed on qualified equipment list | Up to $50/Lamp |
| | HID Replacement Lamp ≥40 and < 80 W | LED must be listed on qualified equipment list | Up to $70/Lamp |
| | HID Replacement Lamp ≥80 and < 150 W | LED must be listed on qualified equipment list | Up to $90/Lamp |

| | | | |
|---|---|---|---|
| | HID Replacement Lamp ≥150W | LED must be listed on qualified equipment list | Up to $110/Lamp |
| | Wall Pack Fixture | LED must be listed on qualified equipment list | Up to $30Fixture |
| | Wall Pack Fixture with Occupancy Sensor | LED must be listed on qualified equipment list | Up to $75/Fixture |

**Notes for mid-market incentives:**

1. Incentives are capped at 70 percent of qualifying equipment cost. Qualifying equipment costs are subject to Pacific Power approval.
2. Qualified equipment lists referenced in the above table are posted on the California energy efficiency program section of Pacific Power's website.
3. The incentives listed in this table are "up to" incentives. Actual incentives will be determined by Pacific Power, will not exceed the values in this table, will be posted on the Pacific Power website, and are subject to change with 45 days notice. Change notices will be prominently displayed on the program website and communicated to participating retailers/distributors and trade allies.
4. Incentives for measures in this table are available through Pacific Power approved retailers/distributors or a customer application process.

* Incentives for listed general service lamps (as defined by the Federal Code of Regulations) will not be available after December 31, 2019.

**A** = Arbitrary (standard lamp shape)
**BR** = Bulged Reflector
**CEE** = Consortium for Energy Efficiency
**HID** = High Intensity Discharge (e.g. Mercury Vapor, High Pressure Sodium, Metal Halide)
**HO** = High Output
**MR** = Mirrored Reflector
**PAR** = Parabolic Aluminized Reflector
**TLED** = Tubular Light Emitting Diode
**W** = Watt

## ~~wattsmart~~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[10] 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.

[10] 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 under **Applicable** in California Schedule A-140 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 of California Schedule A-140, the program tariff, on file with the California Public Utilities Commission.

**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.