**Washington Non-Residential Energy Efficiency**

This document includes the following three sections:

* Definitions of terms used in Schedule 140 and other program documents
* Incentives – General Information
* Incentive tables

**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.

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

**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 with similar one year payback limitations (see below) covered by one Energy Efficiency Incentive Offer Letter.

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

**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.

**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.

**Mixed Use:** Buildings served by a residential schedule and a rate schedule listed under **Applicable** in Washington Schedule 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 Washington Schedule 140, the program tariff, on file with the Washington Utilities & Transportation 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.

**Incentives – General Information**

**Prescriptive incentives**

Per unit incentives are listed in the program incentive 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 at www.pacificpower.net.

**Custom incentives**

Energy Efficiency Measures not listed in the prescriptive incentive tables (typical upgrades) may be eligible for a Custom Energy Efficiency Incentive. Pacific Power will complete an analysis of the EEM Cost and electric energy savings and determine whether to offer a custom Energy Efficiency Incentive and the incentive amount.

Electric savings resulting from lighting interaction with mechanical equipment is not eligible for a custom Energy Efficiency 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 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 can fund an additional $0.025/per kWh of verified wattsmart Business 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**

The baseline wattage for all retrofit incandescent and linear fluorescent lighting EEMs is the lesser of

1. Wattage of existing equipment, or
2. Wattage of deemed baseline equipment listed in the lighting wattage table available on the Washington energy efficiency program section of the Pacific Power website.

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 projects where energy code does not apply.

**CUSTOM AND ENERGY MANAGEMENT INCENTIVES:[[1]](#footnote-1),[[2]](#footnote-2)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Category** | **Incentive** | **Percent Project Cost Cap** | **1-Year Simple Payback Cap for Projects[[3]](#footnote-3)** | **Other Limitations** |
| Custom Non-Lighting Incentives for qualifying measures not on the prescriptive list.[[4]](#footnote-4) | $0.15 per annual kWh savings | 70% | 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 1,000,000 kWh through qualified measures |

Energy Project Manager Co-funding Incentives

| **Payment No.** | **Payment Amount** | **Milestone** |
| --- | --- | --- |
| 1 - Initial payment | 1/3 of funding amount\* (not to exceed $25,000) | 1. You select an Energy Project Manager 2. We work together on  Comprehensive Plan for electric energy savings 3. You sign the Energy Project Manager Offer Letter |
| 2 - Final payment | $0.025 per kwh of energy savings achieved, to a maximum 100 percent of approved Energy Project Manager Salary and less the initial payment | 1. At the end of performance period as defined in the Energy Project Manager Offer Letter |

*\*Funding amount is based on the lesser of (a) $0.025 per kWh or (b) the total annual cost of the Energy Project Manager (salary plus overhead).*

**Incentive caps for prescriptive measures (listed in incentive tables)**

|  |  |  |
| --- | --- | --- |
|  | Percent of Energy Efficiency Project Cost Cap | 1 Year Simple Payback Cap for Energy Efficiency Projects |
| Lighting - Retrofit | 70% | Yes |
| Lighting - New Construction/ Major Renovation | None | No |
| Motors | None | No |
| HVAC | None | No |
| Building Envelope | None | No |
| Food Service | None | No |
| Appliances | None | No |
| Office | None | No |
| Irrigation | 70% | Yes |
| Farm and Dairy | 70% | Yes |
| Compressed Air | 70% | Yes |
| Wastewater and other Refrigeration | 70% | Yes |

1. The 1 year simple payback cap means Energy Efficiency Incentives will not be available to reduce the simple payback of an Energy Efficiency Project below one year. If required, individual EEM Energy Efficiency Incentives will be adjusted downward pro-rata so the Energy Efficiency Project has a simple payback after incentives of one year or more. Incentives for measures listed in the incentive tables are restricted to the amounts in the tables. Incentive caps for retrofit lighting measures are applied separately from caps for custom and non-lighting measures listed in the incentive tables.
2. EEM Costs are subject to Pacific Power review and approval and Pacific Power may require additional documentation from the Customer or Owner.
3. Some Energy Efficiency Measures have a measure cost cap. See the incentive tables for details.

Retrofit Lighting Incentive Table

|  |  |  |  |
| --- | --- | --- | --- |
| Measure | Category | Eligibility Requirements | Incentive |
| T8 Fluorescent |  |  |  |
| Premium | 4’ CEE Qualified Reduced Wattage or High Performance Lamp and CEE Qualified Ballast included on qualified ballast list | $7/Lamp |
| Delamp | 4’ CEE Qualified Reduced Wattage or High Performance Lamp and CEE Qualified Ballast. Must remove one or more lamps. To delamp an existing fixture, the lamp and all corresponding sockets must be permanently disabled. | $21/Lamp Removed |
| Relamp | Lamp wattage reduction ≥ 3 Watts, No ballast retrofit | $0.25/Lamp |
| High Bay | 4’ CEE Qualified High Performance Lamp. Must replace T12HO/VHO, Incandescent, or HID. | $20/Lamp |
| Continuous Operation | 4’ CEE Qualified Reduced Wattage or High Performance Lamp and CEE Qualified Ballast included on qualified ballast list installed in a continuous operation application. | $20/Lamp |
| T5 Fluorescent | Standard | 4’ Nominal Lamp ≤ 28 Watts, Ballast Factor ≤ 1.0, | $5/Lamp |
| Relamp | Lamp wattage reduction ≥ 3 Watts, No ballast retrofit | $0.25/Lamp |
| High Bay | 4’ Nominal High Output Lamp | $20/Lamp |
|  | Continuous Operation | 4’ Nominal High Output Lamp installed in a continuous operation application | $20/Lamp |
| Cold Cathode | Screw-in Lamp | All wattages | $5/Lamp |
| Compact Fluorescent Lamp (CFL) | Hardwired Fixture | All wattages | $5/Fixture |
| Ceramic Metal Halide (CMH) | CMH Fixture | All wattages | $35/Fixture |
| Pulse Start Metal Halide (PSMH) | PSMH Fixture | Wattages > 500W | $60/Fixture |
| Electronic Ballast | Must be used in place of or replace a magnetic ballast | $20/Ballast |
| Induction | Induction Fixture | All wattages, New fixtures only | $125/Fixture |
| LED | Integral Screw-in Lamp | LED must be listed on qualified equipment list | $10/Lamp |
| Recessed Downlight | LED must be listed on qualified equipment list | $10/Fixture |
| Outdoor Area and Roadway | LED must be listed on qualified equipment list | $100/Fixture |
| Parking Garage | LED must be listed on qualified equipment list | $100/Fixture |
| High and Low Bay | LED must be listed on qualified equipment list | $100/Fixture |
| Lighting | Custom | Not listed above | $0.10/kWh annual energy savings |

Notes for retrofit lighting incentive table

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 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.

4. Two-foot U-tube lamps may be substituted for four-foot linear fluorescent lamps.

5. Incentives for T8 Premium Delamps may not be combined with other linear fluorescent lamp or fixture incentives. Complete fixture removals are not eligible.

6. Incentives for T8 Relamps may not be combined with other linear fluorescent lamp or fixture incentives and will only be paid once per facility.

7. Qualified equipment lists referenced in the table are posted on the Washington energy efficiency program section of Pacific Power’s website.

BF = Ballast Factor

CEE = Consortium for Energy Efficiency

CFL = Compact Fluorescent Lamp

CMH = Ceramic Metal Halide

HID = High Intensity Discharge (e.g. Mercury Vapor, High Pressure Sodium, Metal Halide)

HO = High Output

LED = Light-Emitting Diode

PSMH = Pulse-Start Metal Halide

VHO = Very High Output

**Lighting Controls and Non-General Illuminance Lighting (Retrofit only)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Measure** | **Category** | **Eligibility Requirements** | **Incentive** |
| Lighting Control | Occupancy Control | PIR, Dual Tech, or Integral Sensor | $75/Sensor |
| Daylighting Control | Must control interior fixtures with driver or qualifying ballast that dims 50% or more of the fixture in response to daylight. | $75/Sensor |
| Advanced Daylighting Control | Must incorporate both an occupancy sensor and daylighting sensor operating as part of the same control sequence in the same space. | $150 |
| Timeclock | Must control on/off schedule of lighting equipment | $20/timeclock |
| Dimming Ballast | Continuous, Stepped, or Bi-level ballast or automated control that dims 50% or more of the fixture. Must be controlled by a qualifying occupancy or daylighting control. | $15/Ballast |
| Non-General Illuminance | Exit Sign | LED or photoluminescent replacing incandescent or fluorescent | $15/Sign |
| LED Message Center Sign | LED replacing existing incandescent signage | $5/Lamp |
| LED Channel Letter Sign | LED replacing existing neon or fluorescent signage | $5/Linear Foot |
| LED Marquee/Cabinet Sign | LED replacing existing fluorescent signage | $5/Linear Foot |
| Custom | Custom | Not listed above | $0.10/kWh annual energy savings |

Notes for lighting controls and non-general illuminance lighting incentive table:

1. To be eligible for the incentives listed, the new lighting system must use less energy than the existing lighting system replaced.

2. 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.

3. Incentives for Advanced Daylighting Controls may not be combined with other lighting control incentives.

PIR = Passive Infrared

Dual Tech = Sensors combining ultrasonic and passive infrared

LED - Light-emitting Diode

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 at least 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 at least 10% lower than common practice as determined by Pacific Power.  2. Energy savings is subject to approval by Pacific Power | $0.08/kWh annual energy savings |
| Exterior Lighting | Induction Fixture | All Wattages, New Fixtures Only | $125/Fixture |
| LED Outdoor Area and Roadway | LED must be listed on qualified fixture list | $100/Fixture |
|  |  |  |
| Lighting Control | Integral occupancy sensor which must control a linear fluorescent, induction, or LED fixture. Sensor must be installed on a continuous duty light | $75/sensor |

**Motor Incentives Table**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Equipment Type** | **Size Category** | **Sub-Category** | **Minimum Efficiency Requirement** | **Customer Incentive** |
| Variable-Frequency Drives (HVAC fans and pumps) | ≤ 100 horsepower | HVAC fans and pumps | See Note 2 | $65/horsepower |
| Green Motor Rewinds | ≥ 15 and ≤ 5,000 hp | -- | Must meet GMPG Standards | $1/horsepower (See Note 3) |
| **Notes for other 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 incentives. VFDs required by or used to comply with the applicable version of the energy code are not eligible for incentives. Savings will only be realized for installations where a variable load is present. 3. Green Motor Rewind motors that are installed or placed in inventory may qualify for an incentive. For Green Motor Rewinds, the participating electric motor service center is paid $2/horsepower for eligible Green Motor Rewinds. A minimum of $1/hp 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.  **GMPG** = Green Motors Practices Group  **HVAC** = Heating, Ventilating and Air Conditioning  **VFD** = Variable Frequency Drive | | | | |

**HVAC Equipment Incentive Table**

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| --- | --- | --- | --- | --- | --- |
|  | | | **Minimum Efficiency Requirement & Customer Incentive** | | |
| **Equipment Type** | **Size Category** | **Sub-Category** | **$25/ton** | **$50/ton** | **$75/ton** |
| Unitary Commercial Air Conditioners, Air-Cooled (Cooling Mode) | < 65, 000 Btu/hr (single phase) | Split system and single package | -- | CEE Tier 1 | CEE Tier 2 |
| All equipment sizes (three phase) | Split system and single package | -- |
|  |  |  |
| Unitary Commercial Air Conditioners, Water and Evaporatively Cooled | All equipment sizes | Split system and single package | -- | CEE Tier 1 | -- |
| Packaged Terminal Air Conditioners (PTAC) | ≤ 8,000 Btu/hr | Single package | 12.2 EER | -- | -- |
| > 8,000 Btu/hr and < 10,500 Btu/hr | Single package | 11.9 EER | -- | -- |
| ≥ 10,500 Btu/hr and ≤ 13,500 Btu/hr | Single package | 10.7 EER | -- | -- |
| > 13,500 Btu/hr | Single package | 9.9 EER | -- | -- |
| Packaged Terminal Heat Pumps (PTHP) (Heating & Cooling Mode) | ≤ 8,000 Btu/hr | Single package | -- | 12.2 EER and  3.4 COP | -- |
| > 8,000 Btu/hr and < 10,500 Btu/hr | Single package | -- | 11.5 EER and  3.3 COP | -- |
| ≥ 10,500 Btu/hr and ≤ 13,500 Btu/hr | Single package | -- | 10.7 EER and  3.1 COP | -- |
| > 13,500 Btu/hr | Single package | -- | 9.8 EER and  3.0 COP | -- |
| Heat Pumps, Air-Cooled (Cooling Mode) | < 65, 000 Btu/hr (single phase) | Split system and single package | -- | CEE Tier 1 | CEE Tier 2 |
| < 65, 000 Btu/hr (three phase) | Split system and single package | -- | CEE Tier 2 |
| ≥ 65,000 Btu/hr (three phase) | Split system and single package | -- | -- |
| Heat Pumps, Air-Cooled (Heating Mode) - | < 65, 000 Btu/hr (single phase) | Split system and single package  (See note 3) | -- | CEE Tier 1 | CEE Tier 2 |
| < 65, 000 Btu/hr (three phase) | Split system and single package  (See note 3) | -- | CEE Tier 2 |
| ≥ 65,000 Btu/hr (three phase) | Split system and single package  (See note 3) | -- | -- |
|  |  |  |
| Heat Pumps, Water-Source (Cooling Mode) | < 135,000 Btu/hr | (See note 3) | -- | CEE Tier 1 | -- |
| Heat Pumps, Water-Source (Heating Mode) | < 135,000 Btu/hr | (See note 3) | -- | CEE Tier 1 | -- |
| Heat Pumps, Ground-Source or Groundwater-Source (Heating & Cooling Mode) | All sizes | (See note 3) | -- | ENERGY STAR Qualified | -- |
| 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  (Cooling Mode) | < 135,000 Btu/hr | Multisplit System or Multisplit System with Heat Recovery  (See note 3) |  |  | CEE Tier 1 |
| Ground Source or Groundwater-Source Heat Pump Loop | All sizes | Open Loop | **$25/ton** | -- | -- |
| Closed Loop |
| **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 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, AHRI Standard 1230 for VRF systems, and AHRI Standard 310/380 for PTAC and PTHP units. 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 only with an IPLV may qualify for the listed incentives if the value meets or exceeds the minimum IPLV established as part of the Consortium for Energy Efficiency Commercial Unitary Air Conditioning and Heat Pump specification effective January 16, 2009. 7. Efficiency requirements align with the Consortium for Energy Efficiency (CEE) Unitary Air-Conditioning and Heat Pump Specification for equipment with heating sections other than electric resistance. CEE minimum efficiency requirements are listed on Pacific Power's website.  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 | | | | | |

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| --- | --- | --- | --- | --- |
| **Other HVAC Equipment and Controls Incentives** | | | | |
| **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) |
| Room Air Conditioner | Residential (used in a business) |  | See Home Energy Savings program | See Note 4 |
| 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  (Retrofit only) | All sizes with no prior occupancy based control | -- | See Note 5 | $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 |
| **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. 3. Incentives are paid at $0.15/kWh annual energy savings. Chiller energy savings subject to approval by Pacific Power.  4. Refer to Pacific Power's Home Energy Savings Program for efficiency requirements and incentives for listed residential appliances used in a business.  5. Controller units must include an occupancy based control and include the capability to set back the zone temperature during extended unoccupied periods and set up the temperature once the zone is occupied.  **CFM** = Cubic Feet per Minute  **IDEC** = Indirect Direct Evaporative Cooling **PTHP** = Packaged Terminal Heat Pump **PTAC** = Packaged Terminal Air Conditioner | | | | |

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| --- | --- | --- | --- |
| **Building Envelope (Retrofit) Incentives** | | | |
| **Equipment Type** | **Category** | **Minimum Efficiency Requirement** | **Customer Incentive** |
| Cool Roof | -- | ENERGY STAR Qualified | $0.10/square foot |
| Roof/Attic Insulation | -- | Minimum increment of R-10 insulation | $0.08/square foot |
| Wall Insulation | -- | 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 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 | | | |

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| --- | --- | --- | --- |
| **Building Envelope (New Construction/Major Renovation) Incentives** | | | |
| **Equipment Type** | **Category** | **Minimum Efficiency Requirement** | **Customer Incentive** |
| Cool Roof | -- | ENERGY STAR Qualified | $0.10/square foot |
| Roof/Attic Insulation | -- | Minimum increment of R-5 insulation above code (See Note 5) | $0.04/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 |
| **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.  5. Compliance with the minimum efficiency requirements of Roof/Attic Insulation measure may be demonstrated with equivalent U-factors and is subject to Pacific Power approval.  **NFRC** = National Fenestration Rating Council  **SHGC** = Solar Heat Gain Coefficient | | | |

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| --- | --- | --- | --- |
| **Food Service Equipment Incentives** | | | |
| **Equipment Type** | **Equipment Category** | **Minimum Efficiency Requirement** | **Customer Incentive** |
| Residential Dishwasher | Used in a business | See Home Energy Savings program | See Note 2 |
| Commercial Dishwasher (High Temperature models w/ electric boosters Only) | Undercounter | ENERGY STAR Qualified | $100 |
| Stationary Rack, Single Tank, Door Type | $400 |
| Single Tank Conveyor | $1,000 |
| Multiple Tank Conveyor | $500 |
| Electric Insulated Holding Cabinet | Full Size | ENERGY STAR Qualified | $400 |
| 3/4 Size | $300 |
| 1/2 Size | $200 |
|  |  |  |
|  |  |
|  |  |
| Electric Steam Cooker | 3-, 4-, 5- and 6-pan or larger sizes – Tier 1 | ENERGY STAR Qualified | $130 |
| 3-, 4-, 5- and 6-pan or larger sizes – Tier 2 | ENERGY STAR Qualified w/ Heavy Load Efficiency ≥ 68% | $300 |
| Electric Convection Oven | -- | ENERGY STAR Qualified | $350 |
| Electric Griddle |  | ENERGY STAR Tier 2 Qualified | $150 |
|  |  |  |
| Electric Combination Oven | 6-15 pans | ENERGY STAR Qualified | $1,000 |
| 15-20 pans | ENERGY STAR Qualified | $275 |
| Electric Commercial Fryer | Tier 1 | ENERGY STAR Qualified | $200 |
| Tier 2 | ENERGY STAR Qualified w/Cooking Efficiency ≥ 85%, Idle Energy Rate ≤ 860 Watts | $300 |
| Ice Machines (Air-Cooled Only) | Tier 1: Harvest Rate <500 lbs/day | ENERGY STAR Qualified | $125 |
| Tier 1: Harvest Rate ≥ 500 lbs/day | ENERGY STAR Qualified | $150 |
| Tier 2: Harvest Rate <500 lbs/day | CEE Tier 3 Qualified | $250 |
| Tier 2: Harvest Rate ≥ 500 lbs/day | CEE Tier 3 Qualified | $400 |
| Residential Refrigerator | Used in a business | See Home Energy Savings program | See Note 2 |
| Residential Refrigerator/ Freezer Recycling | Used in a business | See residential refrigerator/ freezer recycling program | See Note 3 |
| Commercial Transparent Door Refrigerator | 0 < V < 15 | ENERGY STAR Qualified | $25 |
| 15 ≤ V < 30 | $50 |
| 30 ≤ V < 50 | $75 |
| 50 ≤ V | $125 |
| Chest Configuration | $50 |
| Commercial Transparent Door Freezer | 0 < V < 15 | ENERGY STAR Qualified | $25 |
| 15 ≤ V < 30 | $50 |
| 30 ≤ V < 50 | $75 |
| 50 ≤ V | $100 |
| Chest Configuration | $100 |
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| LED Case Lighting  (Retrofit Only) |  | LED replacing fluorescent lamp in refrigerated cases. | $10/linear foot |
| Refrigerated Case Occupancy Sensor (Retrofit Only) |  | Installed in existing refrigerated case with LED lighting | $1/linear foot |
| Demand Controlled Kitchen Ventilation Exhaust Hood (Retrofit Only) | 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) |
| Anti-Sweat Heater Controls (Retrofit Only) | Low-Temp (Freezing) Cases | Technologies that reduce energy consumption of anti-sweat heaters based on sensing humidity. | $20/linear foot (case length) |
| Med-Temp (Refrigerated) Cases | $16/linear foot (case length) |
| **Notes for food service equipment 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. Refer to Pacific Power's Home Energy Savings Program for efficiency requirements and incentives for listed residential appliances used in a business.  3. Refer to Pacific Power's residential refrigerator and freezer recycling program (See ya later, refrigerator®) for requirements and incentives for listed appliance recycling measures for residential appliances used in a business.  4. Incentives are paid at $0.15/kWh annual energy savings. Demand controlled kitchen ventilation exhaust hood energy savings subject to approval by Pacific Power.  **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 in cubic feet | | | |

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| **Appliances Incentive Table** | | | |
| **Equipment Type** | **Equipment Category** | **Minimum Efficiency Requirement** | **Customer Incentive** |
| High-Efficiency Clothes Washer | Residential  (used in a business) | See Home Energy Savings program | |
| Commercial (must have electric water heating) | ENERGY STAR® Qualified | $100 |
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| Electric Water Heater | Residential (used in a business) | See Home Energy Savings program | |
| **Notes for appliances 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 Home Energy Savings program for efficiency requirements and incentives for listed residential appliances used in a business. **CEE** = Consortium for Energy Efficiency   |  |  |  |  | | --- | --- | --- | --- | | **Office** | | | | |  |  |  |  | |  |  |  |  | |  |  |  |  | | **office** | | | | | | | |

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| **Irrigation Incentives for Wheel Line, Hand Line, or Other Portable Systems (Retrofit Only)**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Irrigation Measure** | **Replace** | **With** | **Limitations** | **Customer Incentive** | | New rotating, sprinkler replacing worn or leaking impact or rotating sprinkler | Leaking or malfunctioning impacrotating sprinkler | Rotating sprinkler | 1. Fixed-in-place (solid set) systems not eligible.  2. Incentive limited to two sprinklers per irrigated acre. | $2.50 each | | New or rebuilt impact Sprinkler replacing worn or leaking impact sprinkler | Leaking or malfunctioning impact sprinkler | New or rebuilt impact sprinkler | 1. New nozzle shall be included in new or rebuilt sprinkler.  2. Rebuilt sprinkler shall meet or exceed manufacturer’s specifications.  3. Fixed-in-place (solid set) systems not eligible.  4. Incentive limited to two sprinklers per irrigated acre. | $2.25 each | | New nozzle replacing worn nozzle of same design flow or less on existing sprinkler | Worn nozzle | New nozzle of same design flow or less | 1. Flow rate shall not be increased.  2. All nozzles on the wheel line or hand line shall be replaced.  3. Fixed-in-place (solid set) systems not eligible.  4. Incentive limited to two nozzles per irrigated acre. | $0.50 each | | New flow control nozzle for impact sprinkler replacing existing nozzle or worn flow control nozzle of same design flow or less | Worn flow-controlling type nozzle | New flow-control nozzle | 1. Nozzle to be replaced may be fixed orifice or flow control type.  2. New flow control nozzle shall have a flow rating equal to or less than the flow rating of the existing nozzle at 40 psi.  3. All nozzles on the wheel line or hand line shall be replaced.  4. Fixed-in-place (solid set) systems not eligible.  5. Incentive limited to two nozzles per irrigated acre. | $2.75 each | | New gasket replacing leaking gasket, including mainline valve or section gasket, seal, or riser cap (dome disc) | lLeaking 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 drains per irrigated acre. | $3 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 | $10/repair | | New or rebuilt wheel line leveler replacing leaking or malfunctioning leveler | Replace 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. | $3 each | | New or rebuilt wheel line feed hose replacing leaking wheel line feed hose | Leaking wheel line feed hose | New or rebuilt wheel line feed hose | 1. Applies to leaking wheel line feed hose only.  2. For rebuilds, invoice must show number of rebuild kits purchased and installed. | $12 each | | New Thunderbird wheel line hub replacing leaking wheel line hub | Leaking Thunderbird wheel line hub | New Thunderbird wheel -line hub | New hub must replace leaking hub | $10 each | | **Irrigation Incentives for Pivot and Linear Systems (Retrofit Only)**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Irrigation Measure** | **Replace** | **With** | **Limitations** | **Customer Incentive** | | Low pressure sprinkler and regulator (including nozzle) | Worn or leaking low pressure sprinkler and/or regulator | New low pressure sprinkler and regulator (including nozzle) | 1. Sprinkler is rotating type, multi-trajectory spray, or multiple configuration nozzle.  2. Nozzle is part of the package, not a separate measure with additional incentive.  3. If replacing existing regulator, new regulator must be of equal or lower design pressure. | $7.50 each | | Gooseneck as part of conversion to low pressure system |  | New gooseneck as part of conversion to low pressure system | Gooseneck shall be used to convert existing center pivot with sprinkler equipment mounted on top of the pivot to low pressure sprinklers with regulators on new drop tubes. | $0.50 per outlet | | Drop tube (3 ft minimum length) | Leaking drop tube | New drop tube (3 ft minimum length) OR add new drop tube as part of conversion to low pressure system | Drop tube or hose extension shall extend below the pivot lower brace or shall be a minimum of 3 feet in length, whichever is greater. | $2 per drop tube | | New center pivot base boot gasket replacing leaking base boot gasket | Leaking center pivot base boot gasket | New center pivot base boot gasket | 1. Gasket shall replace leaking gasket at the pivot point of the center pivot.  2. No more than one gasket shall be claimed per pivot. | $125 each | | New tower gasket replacing leaking tower gasket | Leaking tower gasket | New tower gasket | New gasket shall replace leaking tower gasket | $4 each |   **Irrigation Incentives 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).  2. Both retrofit and new construction projects are eligible. | $0.15/kWh annual savings |   **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. 4. 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.   VFD = Variable Frequency Drive | | | | | |

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| **Farm and Dairy 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 was 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 Fans (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 | -- | The equipment must cool milk with well-water before it reaches the bulk cooling tank. | $0.15/kWh annual energy savings |
| Programmable Ventilation Controllers | -- | Controller must control ventilation fans based on temperature or other applicable factors such as humidity, odor concentration, etc.. | $20/fan controlled |
| Variable Frequency Drives for Dairy Vacuum Pumps (Retrofit Only) | -- | VFD must vary motor speed based on target vacuum level. iIncentive 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 | $0.15/kWh annual energy savings |
| **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 be rated by an independent testing body in accordance with the appropriate ANSI/AMCA standards. 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.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 | | | |

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| **Compressed Air Incentives** | | | | |
| **Equipment Category** | **Replace** | **With** | **Limitations** | **Customer Incentive** |
| Low-Pressure Drop Filters | Standard coalescing filter | Rated Low-Pressure Drop Filter where: 1. Pressure loss at rated flow is ≤ 1psi when new and ≤ 3psi at element change 2. Particulate filtration is 100% at ≥ 3.0 microns and 99.98% at 0.1 to 3.0 microns, with ≤ 5 ppm liquid carryover 3. Filter is of deep-bed "mist eliminator" style, with element life ≥ 5 years  4. Rated capacity of filter is ≤ 500 scfm | 1. Compressor must be ≥ 25 hp and ≤ 75 hp  2. Compressor discharge pressure setpoint must be reduced by 2 psi or more after installation of low pressure drop filter. | $2/scfm |
| 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).  2. Trim compressor must use load/unload control, not inlet modulation or on/off control. 3. Systems with VFD compressor or using variable displacement compressor are not eligible. | $3/gallon  above 2 gallons per scfm |
| Cycling Refrigerated Dryers | Non-cycling refrigerated dryer | Cycling refrigerated dryer | 1. Rated dryer capacity must be ≤ 500 scfm 2. Dryer must operate exclusively in cycling mode and cannot be equipped with the ability to select between cycling and non-cycling mode. 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 capacity.  2. Compressor must adjust speed as primary means of capacity control | $0.15/kWh annual energy savings |
| Zero Loss Condensate Drains | 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 intake drawing air from compressor room | ≤ 75 hp compressor where permanent ductwork between compressor air intake and outdoors | 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 |
| Compressed air end use reduction | Inappropriate or inefficient compressed air end uses | Functionally equivalent alternatives or isolation valves | Any size system is eligible – there is no restriction on compressor size. | $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. Except for the zero loss condensate drain and compressed air end use reduction measures, 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. 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. 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 | | | | |

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| **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 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. | | | |

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1. The Customer or Owner may receive only one financial incentive from Pacific Power per project. Financial incentives include energy efficiency incentive payments and energy management payments. Energy Project Manager Co-Funding is available in addition to the project incentives. [↑](#footnote-ref-1)
2. Incentives for prescriptive measures are restricted to the amounts shown on the website and incentive caps are applied separately for retrofit lighting measures listed in the incentive tables. [↑](#footnote-ref-2)
3. 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. [↑](#footnote-ref-3)
4. 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. [↑](#footnote-ref-4)