

California Renewable Energy Resources & Incentives



BUSINESS EDUCATION

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Alameda Municipal Power-New Construction

<https://www.alamedamp.com/243/New-Construction>

(510) 748-3900

Incentive Type: Commercial New Construction Rebate Program

Incentive Amount:

- Design Assistance Grants: Up to \$10,000/project
- Whole Building Approach Rebates: \$0.10/kWh for buildings exceeding Title 24 by 10% | \$0.15/kWh for buildings exceeding Title 24 by 15%
- Systems Approach Rebates: \$0.10/kWh for lighting systems exceeding Title 24 by 10% | \$0.11/kWh for HVAC and refrigeration systems exceeding Title 24 by 10% | \$0.10/kWh for motors exceeding Title 24 by 10% \$0.04/kWh for daylighting exceeding Title 24 by 10%

Applicable Sectors: Commercial, Construction

Eligible Efficiency Technologies:

Lighting, Lighting Controls/Sensors, Air conditioners, Motors, Motor VFDs, Comprehensive Measures/Whole Building, Custom/Others pending approval, LED Lighting, Commercial Refrigeration Equipment

Summary

Alameda Municipal Power (AMP) encourages all new construction to exceed California Title 24 Building Energy Efficiency Standards. As a result, they offer the following grant and rebate programs to AMP customers. Projects will only be funded if AMP receives and approves the application and performs a pre-installation inspection before work begins. A post-installation inspection must also be completed by AMP before the customer receives reimbursement.

Alameda Municipal Power-Commercial Rebate

<https://www.alamedamp.com/217/Businesses>

(510) 748-3947

Incentive Type: Commercial Rebate Program

Incentive Amount:

- **Heat Pump Water Heater Rebates:** 50 to 80 Gallon: \$1,500/unit | 80 to 120 Gallon: \$4,000
- **HVAC Rebates Cooling Equipment:** \$500 per ton of cooling Infrastructure: \$1,000/system | Engineering: \$750/site
- **Commercial Custom Rebates:** Induction Cooktop/Range: \$450/unit | Combination Oven: \$2,000 - \$4,000 | Convection: \$350 | Fryer: \$650 | Griddle: \$500 | Steamer: \$1,850 - \$2,500 | Ice Machine: \$200 - \$700 | Refrigerator Glass Door: \$100 - \$400 | Refrigerator Solid Door: \$50 - \$200 | Freezer Solid Door: \$100 - \$900 | Lighting Retrofit (Self-Install) Lighting: \$0.23/kWh | Electric Vehicle Commercial EV Charger: \$500

Applicable Sectors:

Water Heaters, Lighting, Lighting Controls/Sensors, Heat pumps, Air conditioners, Windows, Motors, Motor VFDs, Custom/Others pending approval, LED Lighting, Commercial Refrigeration Equipment | Level-2 Electric Vehicle Service Equipment

Summary

To qualify for incentives, customers must first fill out the application forms available on the program web site, and schedule a pre- and post-installation inspection. Alameda Municipal Power will then award the rebate once they receive the proofs of purchase and conduct the post-installation inspection.

Alameda Municipal Power-Electric Vehicle

<https://www.alamedamp.com/349/Electric-Vehicles>

(510) 748-3900

Incentive Type: Electric Vehicle Rebate Program

Incentive Amount:

- Residential Customers: Level 2 EVSE: \$500 | Level 2 EVSE (Multifamily): \$8,000 | Used EV: \$4,000 | Used EV (Income Qualified): \$6,000
- Commercial Customers: Level 2 charging station: \$6,000, plus \$500 per additional port
- Multifamily: \$48,000 | Commercial: \$39,000

Applicable Sectors:

Commercial, Residential, Multifamily Residential, Low Income Residential

Summary

Alameda Municipal Power (AMP) is offering a rebate for residential and commercial customers who purchase electric vehicles (EVs) or electric vehicle supply equipment (EVSE).

Alameda Municipal Power-Residential Energy

<https://www.alamedamp.com/407/Rebates-and-Incentives>

(510) 748-3947

Incentive Type: Residential Energy Efficiency Rebate Program

Incentive Amount:

- Clothes Dryer: Up to \$50
- Electric Panel Upgrade: \$1,500
- Socket Splitter: \$100 - \$150
- Heat Pump Space Heater: Up to \$1,500
- Heat Pump Water Heater: Up to \$1,500
- Solar PV: \$500
- Induction Cooktop: \$300 - \$400
- Induction Range: \$500 - \$600

Applicable Sectors:

Residential: Clothes Washers, Refrigerators/Freezers, Dehumidifiers, Water Heaters, Heat pumps, Programmable Thermostats, Caulking/Weather-stripping, Building Insulation, LED Lighting

Summary

Alameda Municipal Power (AMP) offers a variety of rebates to its residential customers for energy efficiency measures.

Alternative Fuel Vehicle Refueling Property Tax Credit (Corporate) - Federal

<https://www.irs.gov/credits-deductions/alternative-fuel-vehicle-refueling-property-credit>

Incentive Type: Corporate Tax Credit

Incentive Amount:

- 6% for projects that do not meet specified labor standards
- 30% for projects that do meet specified labor standards

Applicable Sectors:

Commercial, Industrial, Local Government, Nonprofit, Cooperative Utilities, State Government, Tribal Government

Technology:

Level-2 Electric Vehicle Service Equipment, Direct Current Fast Charging Equipment

Summary

Qualified alternative fuel vehicle refueling equipment, including electric vehicle charging equipment, is eligible for a tax credit of 6% up to \$100,000 for each single item of property. Projects that meet the following wage and apprenticeship requirements are entitled to a larger tax credit of 30%. The taxpayer must ensure that all laborers and mechanics employed by the taxpayer or any contractor or subcontractor engaged in building the project be paid prevailing wages. The project must also employ a certain percentage of apprentices. The project must also be located in a census tract described in section 45D(e) of the IRS Code, or not in an urban area.

Alternative Fuel Vehicle Refueling Property Tax Credit (Personal) - Federal

Incentive Type: Personal Tax Credit

Incentive Amount:

- 30% up to \$1,000

Applicable Sectors: Residential, Multifamily Residential, Low Income Residential

Technology:

Level-2 Electric Vehicle Service Equipment

Summary

Qualified alternative fuel vehicle refueling equipment not subject to depreciation allowances, including electric vehicle charging equipment, is eligible for a tax credit of 30% up to \$1,000. These projects do not have to meet the same labor standards as commercial projects in order to qualify for the full 30% tax credit.

Anaheim Public Utilities - Commercial & Industrial New Construction Rebate Program

<http://www.anaheim.net/911/New-Construction-Incentives>

(714) 765-4124

Incentive Type: Rebate Program

Incentive Amount:

- \$400/kW reduction

Applicable Sectors:

Commercial, Industrial, Institutional

Technology:

Comprehensive Measures/Whole Building

Summary

Anaheim Public Utilities (APU) offers commercial, industrial, and institutional customers the New Construction Incentives Program to offset construction and installation costs of energy efficient improvements and equipment. Interested customers must contact APU to set up initial consultation. Working with a design team and builder, APU will contribute rebates for the installation of energy efficient equipment and measures involving lighting, building envelopes, mechanical equipment, and design reviews. Rebates levels are either \$400 per kW saved. Total rebates can be up to \$50,000 per Facility. After the completion of construction, the utility will inspect the facility to verify that installed measures exceed Title 24 standards. More information, including contact information and program sign-up can be found on the program web site listed above.

Anaheim Public Utilities - Commercial Energy Efficiency Rebate Programs

<http://www.anaheim.net/5353/Business-Energy-Rebates>

(714) 765-4124

Incentive Type: Rebate Program

Incentive Amount:

- **AIR CONDITIONING:** (Packaged Terminal Air Conditioner): \$100 per Ton | Air Conditioner 2.0 to 5.3-ton: \$75 - \$400 per Ton | Air Conditioner greater than 5.4-ton \$0.10 per kWh annual savings
- **CUSTOM PROJECTS:** Performance-Based Incentives Chillers: \$150 - \$300 per kW or \$0.08 - \$0.10 per kWh | Cooling Tower: \$150 - \$300 per kW or \$0.08 - \$0.10 per kWh | Compressed Air: \$150 - \$300 per kW or \$0.08 - \$0.10 per kWh | Air Handler Units: \$150 - \$300 per kW or \$0.08 - \$0.10 per kWh | Refrigeration System: \$150 - \$300 per kW or \$0.08 - \$0.10 per kWh | EMS, VFD, other Fans: \$150 per kW or \$0.08 per kWh
- **HEAT PUMPS:** Packaged Terminal Air Conditioner Heat Pump: \$100 per unit Package Heat Pump 2.0 to 5.3-ton: \$100 - \$400 per Ton Package Heat Pump greater than 5.4-ton: \$0.10 per kWh annual savings
- **LIGHTING:** High-Efficiency Lighting (LED bulbs, lighting controls, kits, new fixtures): \$400 per kW or \$0.15 per kWh annual savings
- **OTHER PROGRAMS:** Tree Power Program: Free shade trees | Business Air Purifier Rebate Program: \$75 per unit (max 4) | Motor Incentive Program: \$60 - \$1,400 per unit Business | Uninterruptible Power Supply Rebate: \$150 per unit (max 5) | Public Access EV Charger: \$5,000 per station (public access), \$10,000 per station (schools, affordable housing) | Audit: Free

Applicable Sectors:

Commercial, Construction, Industrial, Nonprofit, Multifamily Residential

Technology:

Lighting, Lighting Controls/Sensors, Chillers, Heat pumps, Air conditioners, Compressed air, Motors, Motor VFDs, LED Lighting, Commercial Refrigeration Equipment

Summary

Anaheim Public Utilities (APU) offers several Business Efficiency Incentives Programs to commercial facilities interested in energy efficiency. Eligible businesses may apply for rebates for efficient lighting, heat pumps, exit signs and various custom measures. Contact APU to learn more about initiating the rebate application process.

Anaheim Public Utilities - EV Fleet Charger and Infrastructure Rebate

<https://www.anaheim.net/5889/EV-Fleet-Charger-Infrastructure-Rebate>

(714) 765-4250

Incentive Type: Rebate Program

Incentive Amount:

- Note: Program funding is running low. New reservation requests made after 02/03/2023 will not be accepted until further notice.
- Business Fleets: \$5,000 per charging station, and up to \$45,000 per site for associated EV charger infrastructure updates. School Bus Fleets: \$10,000 per charging station, and up to \$95,000 per site for associated EV charger infrastructure updates.

Applicable Sectors:

Commercial, Schools

Technology:

Level-2 Electric Vehicle Service Equipment

Summary

The EV Fleet Charger and Infrastructure Rebate provides rebates to schools and commercial customers who electrify their vehicle fleet. For more information, visit the program website.

Anaheim Public Utilities - Personal Use EV Charger Rebates

<http://www.anaheim.net/593/Personal-EV-Charger-Rebate>

(714) 765-4250

Incentive Type: Rebate Program

Incentive Amount:

- Residential, Commercial, Industrial Customers not on an EV or TOU rate: \$1,500 per EV charger
- Residential, Commercial, Industrial Customers on an EV or TOU rate: \$3,000 per networked charger

Applicable Sectors:

Commercial, Industrial, Residential

Technology:

Level-2 Electric Vehicle Service Equipment

Summary

Anaheim Public Utilities is offering rebates for Electric Vehicle (EV) chargers to both business and residential customers. EV chargers must be Level 2 to qualify. Residential, Commercial, Industrial Customers not on an EV or TOU rate have a rebate of up to \$1,500 per EV charger. Residential, Commercial, Industrial Customers on an EV or TOU rate have a rebate of up to \$3,000 per networked charger. For more information, visit the program website.

Anaheim Public Utilities - Public Access EV Charger Rebate

<http://www.anaheim.net/3312/Public-EV-Charger-Rebate>

(714) 765-4250

Incentive Type: Rebate Program

Incentive Amount:

- Note: Program funding is running low. New reservation requests made after 02/03/2023 will not be accepted until further notice.
- Up to \$5,000 for Public Access Locations | Up to \$10,000 for Schools, Affordable Housing, and Publicly Accessible DC Fast Plug-in locations

Applicable Sectors:

Commercial, Industrial, Local Government

Technology:

Level-2 Electric Vehicle Service Equipment, Direct Current Fast Charging Equipment

Summary

Anaheim Public Utilities offers rebates to commercial, industrial, and municipal customers who install Public Access Electric Vehicle Charging Stations. EV charging stations must be Level 2 or higher to qualify. Under this program, customers will receive up to \$5,000 for Public Access Locations and up to \$10,000 for Schools, Affordable Housing, and Publicly Accessible DC Fast Plug-in locations. For more information, visit the program website.

Anaheim Public Utilities - Residential Home Efficiency Rebate Program

<http://anaheim.net/936/Energy-Rebates-Incentives>

(714) 939-9020

Incentive Type: Rebate Program

Incentive Amount:

- Home Appliance & Fixtures Air Purifier: up to \$50 (max 2) | Ceiling Fan: \$20 per unit (max 3) | Dishwasher: \$50 | Security Light: \$20 per fixture (max 2) | Heat Pump Dryer: \$200 | Heat Pump Water Heater: \$400 | Refrigerator: \$50
- Battery Storage Rebate Amount: Up to \$3,000
- Insulation Attic Fan: \$30 | Exterior Wall Insulation: \$0.10 per square foot | High-Performance Windows: \$1.00 per square foot | Window Film: \$1.00 per square foot | Attic Insulation: \$0.35 per square foot, max \$750 | Fire Resistant Vents \$250
- Heating and Cooling Air Duct Repair: 50% of cost, up to \$300 | Box Fan: \$20 per unit (max 2) | Central AC: Up to \$200 per ton | Heat Pump Ductless Mini Split: Up to \$200 per ton | Heat Pump HVAC: Up to \$200 per ton | Room AC: \$100 per unit (max 2) | Smart Thermostat: \$50 per unit (max 2) | Whole House Fan: \$100
- New Technology: Uninterruptible Power Supply: \$50 per unit (max 2) | \$200 per medical unit (max 2) | Electric Portable Power Station: \$50 per unit (max 2) \$200 per medical unit (max 2)
- Pool Pump: \$300 per pump

Applicable Sectors:

Residential, Low Income Residential

Technology:

Dishwasher, Refrigerators/Freezers, Ceiling Fan, Water Heaters, Lighting, Lighting Controls/Sensors, Heat pumps, Air conditioners, Programmable Thermostats, Duct/Air sealing, Building Insulation, Windows, Other EE, Insulation, Pool Pumps, LED Lighting, HVAC

Summary

Upon request, Anaheim Public Utilities will perform a free home efficiency inspection, in which they will recommend energy saving improvements, rebates and provide some free energy saving devices. See website for lists of requirements and restrictions.

Anaheim Public Utilities - Small Business Energy & Water Direct Install Program

<http://www.anaheim.net/965/Small-Business-Energy-Water-Direct-Insta>

(510) 748-3947

Incentive Type: Rebate Program

Incentive Amount:

- For a limited time, qualifying small business customers have the opportunity to choose one of the following program enhancements in addition to a no-cost, \$2000 allowance for energy saving equipment. Up to an additional \$1,000 of lighting upgrades, or a smart thermostat and HVAC tune-up (subject to system compatibility), or up to an additional \$1,000 for refrigerator energy saving equipment

Applicable Sectors:

Commercial

Technology:

Programmable Thermostats, Custom/Others pending approval, Other EE, LED Lighting, Commercial Refrigeration Equipment, HVAC

Summary

The Small Business Energy Management System Program provides participating customers with free electrical energy use evaluations, retrofit funding, and installation assistance. Anaheim Public Utilities (APU) provides an energy efficiency incentive to its small business customers, generally defined as privately owned and having a monthly peak demand of less than 120 kW. Upon request, Anaheim Public Utilities will conduct a free on-site energy use survey and recommend energy efficient measures and technologies to reduce the energy consumption. APU will assist in replacing old equipment with energy efficient equipment. The program is designed to meet the needs of small business customers seeking to achieve their energy and water efficiency goals and can help better manage utility costs. Multiple energy and water efficiency measures are included, such as: LED lighting upgrades, lighting controls, refrigeration upgrades, HVAC tune-ups, programmable/smart thermostats, water efficient toilets/urinals, aerators, and many more.

Azusa Light & Water - EV Charger Rebate

<https://www.ci.azusa.ca.us/1625/Plug-In-Electric-Vehicles>

(626) 812-5225

Incentive Type: Rebate Program

Incentive Amount:

- \$150

Applicable Sectors:

Residential

Technology:

Level-2 Electric Vehicle Service Equipment

Summary

Azusa Light & Water offers a rebate to customers who install Level 2 EV chargers in their place of residence. The rebate amount is \$150. For more information, visit the program website.

Bay Area Regional Energy Network (BayREN) - Multifamily Residential Energy Efficiency Rebate Program

<https://www.bayren.org/rebates-financing/multifamily-property-owners>

(510) 891-6511

Incentive Type: Rebate Program

Incentive Amount:

- Base Rebate (Install 2+ energy efficiency upgrades that save 10% or more of the building's energy) \$500/unit
- In-Unit Upgrades Heat Pump Water Heater: \$1,500/apt | Heat Pump HVAC: \$1,500/apt | Electric Laundry Dryer: \$250/apt | Electric Cooking: \$750/apt
- Central System Upgrades Central Heat Pump Water Heater: \$1,000/apt (Property cap of \$100,000. Program cap of \$500,000) | Central Heat Pump HVAC: \$1,000/apt
- **Common Areas Upgrades** Common Area Heat Pump HVAC: \$1,000/unit | Laundry/Common Area Heat Pump Water Heater: \$1,000 | Heat Pump Pool Heater: \$1,000/pool
- Electrical Panel Upgrades Subpanel Upgrade: \$1,000/apt | Central/Common Area Panel Upgrades: \$5,000/property
- Health Upgrades: \$500/apt served | Resilience to Extreme Heat Upgrades: \$500/apt served | Housing Affordability Upgrades: Multiply ALL other program rebates by 1.5x-2x AND up to \$500 reimbursable per unit for select in-unit appliances

Applicable Sectors:

Multifamily Residential

Technology:

Subpanel Upgrade

Clothes Washers, Water Heaters, Heat pumps, Other EE, HVAC

Summary

Bay Area Regional Energy Network (BayREN) offers various energy efficiency rebates for multifamily property owners. Customers may be eligible to receive rebates for heating and cooling systems, water heating systems, insulation, and weatherization upgrades. All multifamily properties with five or more dwelling units in the nine county Bay Area (Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma) are eligible to apply. Properties located in high-priority zones that are most impacted by air pollution, extreme heat, and high housing costs qualify for additional rebates. Your energy advisor will help you determine if your property qualifies

Bay Area Regional Energy Network (BayREN) - Single Family Residential Energy Efficiency Rebate Program

<https://www.bayren.org/home-rebates>

Incentive Type: Rebate Program

Incentive Amount:

- Induction Cooktop: \$250
- Attic Insulation: \$0.75/square foot (Up to \$1,000)
- Wall Insulation: \$0.75/square foot (Up to \$1,000)
- Combustion Appliance Safety (CAS) test-out: \$100
- Air Sealing: \$150
- Duct Replacement: \$500
- Heat Pump Dryer: \$250
- Air Conditioner: \$200

Applicable Sectors:

Residential

Technology:

Air conditioners, Duct/Air sealing, Building Insulation, Other EE, Insulation, Food Service Equipment

Summary

Bay Area Regional Energy Network (BayREN) offers various energy efficiency rebates for single family homeowners. Eligible customers may receive rebates for insulation, air conditioning units, heat pump dryer, and other energy efficient equipment.

Customer must not have previously received a rebate for the same product or equipment from more than one energy-efficiency program offering rebates, financing or other rebates funded with PG&E ratepayer dollars within the past three years for O&M measures and eight years for building shell, HVAC and water heating measures. One rebate is offered per measure per address. Rebates are capped at \$4,000 per eligible customer over an eight-year period. Individual measure rebates may not exceed the measure cost.

California Energy Commission Building Energy Code and Solar Requirement

<https://www.energycodes.gov/status/states/california>

(916) 654-3839

Incentive Type: Building Energy Code

Incentive Amount:

- State developed code, Title 24, Part 6, exceeds 2015 IECC, and is mandatory statewide. Buildings must also meet certain requirements set by CALGreen, the statewide green building code.
- State developed code, Title 24, Part 6, meets or exceeds ASHRAE 90.1-2013, and is mandatory statewide. Buildings must also meet certain requirements set by CALGreen, the statewide green building code.

Applicable Sectors:

Commercial, Residential, Schools

Technology:

Comprehensive Measures/Whole Building:

Solar - Passive, Solar Water Heat, Solar Photovoltaics

Summary

The California Building Standards Commission (BSC) is responsible for administering California's building standards adoption, publication, and implementation. Since 1989, the BSC has published triennial editions of the code, commonly referred to as Title 24, in its entirety every three years. On July 17, 2008 the BSC unanimously approved the nation's first statewide voluntary green building code. In January 2010, the BSC adopted a final version of the new green building code, CALGreen, parts of which became mandatory on January 1, 2011. CALGreen exists alongside the latest edition of Title 24, the Building Energy Efficiency Standards, which took effect on January 1, 2017. CALGreen includes provisions to ensure the reduction of water use by 20%, improve indoor air quality, divert 50% of new construction waste from landfills, and inspect energy systems (i.e. heat furnace, air conditioner, mechanical equipment) for nonresidential buildings over 10,000 square feet to make sure that they're working according to design.

Title 24 applies to all buildings that are heated and/or mechanically cooled and are defined under the Uniform Building Code as A, B, E, H, N, R, or S occupancies, except registered historical buildings. Additions and renovations are also covered by the code. Institutional building's which include hospitals and prisons are not covered.

Burbank Water & Power - Business Bucks Energy Efficiency Grant Program

<https://www.burbankwaterandpower.com/conservation/commercial-programs-rebates/business-bucks>

(877) 290-2590

Incentive Type: Grant Program

Incentive Amount:

- Up to \$5,000

Applicable Sectors:

Commercial, Nonprofit

Technology:

Refrigerators/Freezers, Lighting, Air conditioners, Caulking/Weather-stripping, Duct/Air sealing, Building Insulation, Windows, Siding, Roofs, Motors, Custom/Others pending approval

Summary

Burbank Water and Power (BWP) offers the Business Bucks Grant Program to its small and mid-sized business customers for installation of energy efficient equipment. All businesses with annual electricity usage below 250,000 kWh are eligible for this program. BWP will send a certified resource manager for a free energy survey. BWP will pay up to \$5,000 for recommended retrofits selected. Participants prior to July 2015 are eligible for a second round of funding. More information can be found on the web site listed above.

Burbank Water & Power - Energy Solutions Business Rebate Program

<https://www.burbankwaterandpower.com/incentives-for-businesses/energy-solutions-business-rebate-programs>

(818) 238-3638

Incentive Type: Rebate Program

Incentive Amount:

- New Construction/Major Tenant Renovation: .05/kWh saved
- LED Lighting Retrofits: \$0.10/kWh saved per year
- Non-LED Lighting Retrofits: \$0.05/kWh saved per year
- Exit Signs: \$20 per fixture
- Central Air Conditioning: \$100-\$300 per ton of cooling
- Central Heat Pumps: \$125 - \$350 per ton of cooling
- Chiller Retrofits: \$0.05/kWh saved per year
- Motor Replacements: \$35 - \$1,260
- Thermal Energy Storage: Varies, see website for details
- Power Factor Correction: up to \$100 per kVAR, up to \$15,000, 25% of the equipment cost
- PC Network Power Management Software: \$0.05/kWh saved per year
- Energy Saving Projects Not Specified: \$0.05/kWh saved per year

Applicable Sectors:

Commercial, Nonprofit

Technology:

Lighting, Chillers, Heat pumps, Air conditioners, Motors, Motor VFDs, Comprehensive Measures/Whole Building, Custom/Others pending approval, Other EE, Personal Computing Equipment, LED Lighting

Summary

Burbank Water and Power offers a rebate to business customers for installing energy efficient equipment in eligible facilities. The rebate is offered for a variety of energy efficient measures and technologies.

Complete rebate applications must be submitted within four months after the project completion date in order to be eligible for rebate consideration. After project completion, a final inspection and verification of the installation will be required prior to issuing a final rebate check. Rebates will be accommodated on a first come basis and limited annually to available funding of commercial programs. If replacing equipment that is no longer operational, rebates will be determined based on energy-savings exceeding Title 24 requirements.

Burbank Water & Power - Green Building Incentive Program

<https://burbankwaterandpower.com/conservation/commercial-programs-rebates/leed-incentive-program>

(818) 238-3700

Incentive Type: Green Building Incentive

Applicable Sectors:

Commercial, Nonprofit, Multifamily Residential

Technology:

Solar - Passive, Solar Water Heat, Solar Space Heat, Solar Photovoltaics, Wind (All), Biomass, Geothermal Heat Pumps, Daylighting, Wind (Small), Hydroelectric (Small) | Comprehensive Measures/Whole Building

Summary

The U.S. Green Building Council is a non-profit organization that promotes the design and construction of buildings that are environmentally responsible, profitable, and healthy places to live and work. The Green Building Council developed the Leadership in Energy and Environmental Design (LEED) Green Building Rating System in order to more accurately provide incentives those using these practices. The LEED Green Building Rating System issues points across five categories to those striving to attain LEED status for new commercial construction or major renovation of commercial buildings, as well as multifamily and mixed-use developments that are five units or greater, or four stories or higher. Rebates provided by Burbank Water & Power correspond to the following point totals and LEED certification levels: Certified (40–49 points) - \$15,000 | Silver (50–59 points) - \$20,000 | Gold (60–79 points) - \$25,000 | Platinum (80 points and above) - \$30,000

Burbank Water & Power - Residential Energy Efficiency Rebate Program

<https://www.burbankwaterandpower.com/conservation/residential-programs-rebates/residential-rebates>

(818) 238-3700

Incentive Type: Rebate Program

Incentive Amount:

- Products purchased from a Burbank retailer are typically awarded higher rebates than those purchased outside Burbank.
- Ceiling Fans: \$25 (maximum three)
- Refrigerator/Freezer: \$75
- Room A/C: \$35
- Smart Thermostat: \$75
- Variable Speed Pool Pump: \$400
- Central A/C: \$160 - \$250/ton as well as \$1,500
- Attic Insulation: \$0.15/sq ft
- Wall Insulation: \$0.15/sq ft
- Level 2 Electric Vehicle Charger: up to \$1,500
- Burbank Water and Power also offers a Home Improvement Program which provides free air conditioning tune-up, duct sealing, air sealing, and attic insulation services.

Applicable Sectors:

Residential

Technology:

Clothes Washers, Dishwasher, Refrigerators/Freezers, Ceiling Fan, Lighting, Air conditioners, Programmable Thermostats, Building Insulation, Windows, Doors, Other EE, Pool Pumps

Level-2 Electric Vehicle Service Equipment

Summary

Burbank Water and Power (BWP) offers incentives to its residential customers for installing energy efficient equipment in eligible homes. Rebates vary according to equipment technology and location of purchase.

Burbank Water and Power - Electric Vehicle Charger Rebate

<https://www.burbankwaterandpower.com/leadthecharge>

(818) 238-3700

Incentive Type: Rebate Program

Incentive Amount:

- Commercial Customers: up to \$7,500
- Residential Customers: Standard Charger: \$200 | Smart Charger: \$500 | Panel Upgrade: \$750
- Residential Customers in Disadvantaged Community: Standard Charger: \$300 | Smart Charger: \$600 | Panel Upgrade: \$900

Applicable Sectors:

Commercial, Residential

Technology:

Level-2 Electric Vehicle Service Equipment

Summary

Burbank Water and Power offers a rebate of up to \$1,500 for residential customers and up to \$7,500 for business customers for the installation of a Level 2 electric vehicle charger.

Burbank Water and Power - LEED Certification Incentive Program

<https://www.burbankwaterandpower.com/conservation/business-rebates-and-services/leedincentiveprogram>

(818) 238-3700

Incentive Type: Rebate Program

Incentive Amount:

- Certified Level: \$15,000
- Silver Level: \$20,000
- Gold Level: \$25,000
- Platinum Level: \$30,000

Applicable Sectors:

Commercial, Residential

Technology:

Comprehensive Measures/Whole Building

Summary

Designing and building high-performance buildings that are also sustainable is good business and better for the environment. To help offset the cost of constructing environmentally friendly buildings, the city of Burbank created two ordinances and Burbank Water and Power created a rebate program. Rebates vary depending on the level of certification a building receives, ranging from \$15,000-\$30,000.

Business Energy Investment Tax Credit (ITC) - Federal

<https://www.energy.gov/eere/solar/federal-solar-tax-credits-businesses>

(800) 829-1040

Incentive Type: Federal Corporate Tax Credit

Incentive Amount:

- Base Credit: 6% - 30% (depending on project status and labor factors)
- Domestic Content Bonus: 10% additional
- Energy Community Bonus: 10% additional
- Low-Income Community Bonus: 10% additional
- Low-income Residential Building or Low-Income Economic Benefit Bonus: 20% additional

Applicable Sectors:

Commercial, Industrial, Investor-Owned Utility, Cooperative Utilities, Agricultural

Technology:

Solar Technologies

Fuel Cells

Wind Turbines

Geothermal Systems

Microturbines

Combined Heat and Power (CHP)

Offshore Wind

Solar Lighting (construction must commence prior to January 1, 2025)

Waste Energy Recovery (Qualified waste energy recovery property means property that generates electricity solely from heat from buildings or equipment if the primary purpose of such building or equipment is not the generation of electricity. The term “waste energy recovery property” does not include any property that has a capacity in excess of 50 megawatts. Energy Storage Systems, both paired with generation and installed as a stand-alone system)

Thermal Energy Storage Systems

Qualified Biogas Property

Microgrid Controllers

Interconnection Property associated with the installation of energy property with a maximum net output of not greater than 5 MW-AC to provide for the transmission or distribution of the electricity produced or stored by such property, and which are properly chargeable to the capital account of the taxpayer.

Summary

Note: The Inflation Reduction Act of 2022 (H.R. 5376) made several significant changes to this tax credit, including expanding the eligible technologies, extending the expiration date, modifying the scheduled step-down in its value, providing for new bonus credits, and establishing new criteria to qualify for the full credit. It also phases out this tax credit under section 48 of the Internal Revenue Code and replaces it with a new technology-neutral tax credit under section 48E of the Internal Revenue Code. The summary below describes the current section 48 tax credit as modified by the Inflation Reduction Act, and below that, the new 48E tax credit.

The federal Business Energy Investment Tax Credit (ITC) has been amended a number of times, most recently and most significantly by the Inflation Reduction Act of 2022. That bill established new prevailing wage and apprenticeship requirements for larger system to qualify for the full 30% tax credit. The Department of the Treasury issued Initial Guidance on these requirements on November 30, 2022 . According to law, the labor provisions apply to projects for which construction begins 60 days or more after Treasury publishes its guidance.

California - National Electric Vehicle Infrastructure (NEVI) Formula Grant Program

<https://www.energy.ca.gov/programs-and-topics/programs/national-electric-vehicle-infrastructure-nevi-formula-program>

(916) 776-0738

Incentive Type: Grant Program

Incentive Amount:

- Varies, grants are awarded competitively

Applicable Sectors:

Commercial

Technology:

Direct Current Fast Charging Equipment

Summary

The California Department of Transportation (Caltrans) is the designated lead agency for NEVI, and is partnering with the California Energy Commission (CEC). California's initial NEVI Plan was submitted to the federal Joint Office of Energy and Transportation on August 1, 2022, and its 2023 Update was submitted on August 1, 2023. California plans to use the estimated \$134 million in formula funding from the first two years to provide connectivity for passenger vehicles in a manner that is complimentary to existing investments from the state. In future annual deployment plans, California will reassess proposed uses of NEVI funds, including infrastructure that primarily serves light or medium- and heavy-duty vehicles, within the requirements of the NEVI program and in the context of California's overall funding and deployment strategy.

California Appliance and Equipment Energy Efficiency Standards

<http://www.energy.ca.gov/appliances/>

(510) 748-3947

Incentive Type: Appliance/Equipment Efficiency Standards

Technology:

Lighting, Air conditioners, Compressed air, Other EE, Commercial Cooking Equipment, Personal Computing Equipment, Commercial Refrigeration Equipment

Summary

California's 2015 Appliance Efficiency Regulations (California Code of Regulations, Title 20, Sections 1601 through 1609) were adopted by the California Energy Commission (CEC) in July 2015, replacing all previous versions of the regulations. Since then, several new regulations covered under Title 20 have gone into effect. Additionally, the state is phasing out the sale of fluorescent lighting. Screw-base CFL bulbs will be phased out on January 1, 2024, and pin-base CFL and fluorescent tubes will be phased out on January 1, 2025.

The Regulations create standards for 20 categories of appliances, including standards for both federally-regulated and non-federally-regulated appliances. Of these products, the standards now apply to the following types of new products sold, offered for sale in California, except those sold wholesale in California for final retail sale outside the state and those designed and sold exclusively for use in recreational vehicles or other mobile equipment

California Electric Vehicle Infrastructure Project (CALeVIP)

<https://calevip.org/>

Incentive Type: Rebate Program

Applicable Sectors:

Commercial

Technology:

Level-2 Electric Vehicle Service Equipment, Direct Current Fast Charging Equipment

Summary

The California Electric Vehicle Infrastructure Project (CALeVIP) offers incentives for purchasing and installing electric vehicle charging infrastructure at sites throughout the state of California that are accessible to the public.

California Energy Design Assistance (CEDA)

<https://energyassistance.willdan.com/CEDA>

(855) 502-3914

Incentive Type: Rebate Program

Applicable Sectors:

Commercial, Construction, Industrial, Nonprofit

Technology:

Daylighting

Lighting, Comprehensive Measures/Whole Building, Custom/Others pending approval,
Industrial Systems General

Summary

California Energy Design Assistance is available for commercial, public, industrial, agriculture, and high-rise multifamily projects. The program serves new construction and major alternations in Southern California Gas Company (SoCalGas®), San Diego Gas & Electric Company (SDG&E®), Pacific Gas and Electric Company (PG&E®), and Southern California Edison Company (SCE®) areas

Major alterations must meet the following criteria: Changes in space function (building or space occupancy type change) OR Substantial changes ($\geq 30\%$) in design occupancy (square feet per person) OR Increase ($\geq 10\%$) in conditioned floor area OR Any substantial expansion or addition of process or conditioning load to an existing facility.

California Solar Easement and the Solar Shade Control Act

Incentive Type: Solar/Wind Access Policy

Incentive Amount:

- California regulation

Applicable Sectors:

Commercial, Industrial, Residential

Technology:

Solar - Passive, Solar Water Heat, Solar Space Heat, Solar Thermal Electric, Solar Thermal Process Heat, Solar Photovoltaics, Solar Pool Heating

Summary

California's Civil Code (801.5) ensures that neighbors may voluntarily sign solar easements to ensure that proper sunlight is available to those who operate solar energy systems. California's Government Code (65850.5) provides that subdivisions may include solar easements applicable to all plots within the subdivision in their plans. California's Public Resources Code (25980) contains the Solar Shade Control Act, which encourages the use of trees and other natural shading except in cases where the shading may interfere with the use of active and passive solar systems on adjacent properties. Specifically, the law provides that a tree or shrub cannot cast a shadow which covers more than 10 percent of a solar collector's absorption area at any one time between the hours of 10 a.m. and 2 p.m. if the tree or shrub is planted after the installation of the solar collector. SB 1399 of 2008 amended the Public Resources Code to exempt trees and shrubs planted prior to the installation of a solar system. Also exempted are trees and shrubs that are subject to a local ordinance, or the replacement of trees or shrubs that had been growing prior to the installation of the solar device.

California Solar Rights Act

Incentive Type: Solar/Wind Access Policy

Applicable Sectors:

Commercial, Industrial, Local Government, Nonprofit, Residential, Schools, State Government, Federal Government, Agricultural

Technology:

Solar - Passive, Solar Water Heat, Solar Space Heat, Solar Thermal Electric, Solar Thermal Process Heat, Solar Photovoltaics, Solar Pool Heating

Summary

The Solar Rights Act (CA Civil Code 714), enacted in 1978, bars restrictions by homeowners associations (HOAs) on the installation of solar-energy systems, but originally did not specifically apply to cities, counties, municipalities or other public entities. Subsequent legislation extended these restrictions to all public entities and common interest developments. These entities are allowed to impose reasonable restrictions on a solar energy system that do not significantly increase the cost of the system or significantly decrease its efficiency or specified performance.

"Significantly" was not originally defined, but later legislation adopted a specific dollar amount and system efficiency impact that the legislature deemed significant. These figures were amended by AB 2188 in 2014. Currently, entities are allowed to impose reasonable restrictions on a solar energy system that do not add more than \$1,000 to the cost, or limit the efficiency of the system by 10%.

CaliforniaFIRST

<https://renewfinancial.com/>

(844) 736-3934

Incentive Type: PACE Financing

Applicable Sectors:

Residential

Technology:

Solar Water Heat, Solar Space Heat, Solar Photovoltaics, Wind (All), Geothermal Heat Pumps, Fuel Cells using Non-Renewable Fuels, Wind (Small), Fuel Cells using Renewable Fuels

Water Heaters, Lighting, Lighting Controls/Sensors, Furnaces, Boilers, Heat pumps, Air conditioners, Programmable Thermostats, Duct/Air sealing, Windows, Doors, Custom/Others pending approval, Insulation, Reflective Roofs, LED Lighting, Tankless Water Heater, HVAC

Level-2 Electric Vehicle Service Equipment

Summary

The CaliforniaFIRST Program is a Property Assessed Clean Energy (PACE) financing program for residential properties. PACE allow property owners to finance the installation of energy and water improvements on their homes and to pay the amount back through their property taxes. CaliforniaFIRST is available to residential customers in participating counties. Check [here](#) to find a pace community near you. State law prohibits PACE program administrator from approving an assessment contract unless the program administrator determines the property owner has a reasonable ability to pay the annual payment obligations for the PACE assessment. S.B. 645 broadens PACE financing opportunities by allowing financing in high risk fire hazard zones for wildfire safety improvements.

City of Berkeley - Green Building Standards for City Owned and Operated Projects

<https://berkeleyca.gov/construction-development/permits-design-parameters/design-parameters/green-building-requirements>

Applicable Sectors:

Local Government

Technology:

Solar - Passive, Solar Water Heat, Solar Space Heat, Solar Photovoltaics, Wind (All), Daylighting, Wind (Small)

Summary

The Berkeley City Council adopted Resolution 62284 on November 18, 2003 requiring that all city-sponsored building projects receive LEED certification. Its incorporation occurred in two phases, first requiring city-sponsored projects entering design and construction after January 1, 2004 to meet a minimum LEED Certified rating; and then requiring city-sponsored projects started after January 1, 2006 to meet a minimum LEED Silver rating. The resolution is restricted to new construction or renovation projects funded by the city or located on city-owned land of 5,000 square feet or more of occupied space, which have a construction estimate of \$200,000 or more in 2003 dollars. An exception is made for buildings deemed historic under any federal, state or local law, though they are encouraged to achieve as many LEED points as feasible. The city will also grant exemptions from the resolution for building projects which can demonstrate through life-cycle cost analysis that achieving LEED Silver would defeat the purpose of the resolution or create an unreasonable burden on the construction project or the City Department.

City of Fresno - Installation of Solar Energy Systems in Construction of New City-owned Buildings

<https://www.fresno.gov/publicworks/sustainability/>

(559) 621-2489

Incentive Type: Energy Standards for Public Buildings

Applicable Sectors:

Local Government

Technology:

Solar - Passive, Solar Water Heat, Solar Space Heat, Solar Thermal Electric, Solar Thermal Process Heat, Solar Photovoltaics, Solar Pool Heating

Summary

City of Fresno requires that the design of any new city-owned building containing at least 7500 square feet shall include an alternative design for installation of a solar energy system. The report to Council for each award of a contract for a new city-owned building shall include information related to compliance with this section every other year.

City of Lancaster - Mandatory Solar Requirement for New Homes

<https://www.cityoflanasterca.org/about-us/departments-services/development-services/city-engineering/building-and-safety>

(661) 723-6144

Incentive Type: Building Energy Code

Applicable Sectors:

Residential

Technology:

Solar Photovoltaics

Summary

In 2013 The City of Lancaster became the first U.S. city to require photovoltaics (PV) to be installed on new homes. All residential buildings with a building permit issuance date of January 1, 2014 or later must have a certain amount of photovoltaics (PV) installed.

PV is not required on all homes within a production subdivision, but the builder must meet the aggregate requirement within the subdivision. For example, one house with twice the required PV can meet the requirement of two houses. Homebuilders may also meet the requirement off-site by providing evidence of purchasing solar renewable energy credits (SRECs) from a system located within the city.

City of Lompoc Utilities - Commercial Energy Efficiency Rebate Program

<http://www.cityoflompoc.com/utilities/conservation/>

(805) 875-8018

Incentive Type: Rebate Program

Applicable Sectors:

Commercial, Local Government, Nonprofit, State Government, Federal Government, Multifamily Residential

Technology:

Clothes Washers, Dishwasher, Refrigerators/Freezers, Lighting, Heat pumps, Air conditioners, Custom/Others pending approval, Other EE, Food Service Equipment, LED Lighting, HVAC

Summary

City of Lompoc Utilities offers rebates to commercial customers for the purchase and installation of energy efficiency lighting, clothes washers, replaced refrigerators, new refrigerators, HVAC equipment, food service equipment, and custom rebates.

City of Lompoc Utilities - Residential Energy Efficiency Rebate Program

<http://www.cityoflompoc.com/utilities/conservation/>

(805) 875-8018

Incentive Type: Rebate Program

Incentive Amount:

- Energy Efficiency: Refrigerator/Freezer: \$25 - \$75/unit | Dishwasher: \$50/unit | Clothes Washer: \$300/unit | LED Lighting: \$5/unit | Smart Power Strip: \$10/unit | Ceiling Fan: \$25/unit | Variable-speed Pool Pump: \$250/unit
- Water Conservation: Toilet: \$100/unit | Showerhead: \$20/unit | 50+ Gallon Rainbarrel: \$50/unit | Landscaping Grass Removal: \$1/sq.ft. | Water Leak Detection/Repair: \$800/sq.ft. | Automatic Irrigation Controller: \$100/unit
- HVAC: Central AC: \$100 - \$125/ton | Heat Pump: \$250/ton | Ductless Mini-split Heat Pump: \$250/ton | Room AC: \$25/unit | Smart Thermostat: \$50/unit

Applicable Sectors:

Residential, Multifamily Residential

Technology:

Clothes Washers, Dishwasher, Refrigerators/Freezers, Ceiling Fan, Lighting, Heat pumps, Air conditioners, Programmable Thermostats, LED Lighting

City of Long Beach - Green Building Policy for Municipal Buildings

<http://longbeach.gov/sustainability/media-library/documents/urban-living/buildings-and-neighborhoods/greenbuildingpolicy/>

(562) 570-7648

Incentive Type: Energy Standards for Public Buildings

Applicable Sectors:

Local Government

Technology:

Comprehensive Measures/Whole Building

Summary

Green Building Policy for New Municipal Building Projects It is the policy of the City of Long Beach to plan, design, construct, manage, renovate, and maintain its facilities and buildings in a sustainable manner. The US Green Building Council's LEED rating system and Reference Guide shall be the design and measurement tools used to determine what constitutes sustainable building under this policy. This policy applies to new construction and additions to existing buildings and facilities whenever the gross area of the new construction is over 7,500 square feet.

Green Building Policy for Municipal Remodel and Tenant Improvements The US Green Building Council is currently developing a LEED standard for remodel and tenant improvement projects. Since neither of these standards is final at the time of adoption of this policy, the City adopts the following policy. For municipal remodel projects which affect less than 50 percent of a building's total square feet, and which cost more than \$35 per square foot, the project should incorporate green material and technology where possible. All municipal building rehabilitation and retrofit projects should adopt the green building best practices.

Infrastructure, Unoccupied Buildings, Park, and Industrial Projects It is the policy of the City of Long Beach that infrastructure projects (streets, parking garages, etc.), unoccupied buildings, park equipment and recreation facilities (docks, playgrounds, etc.) and city industrial projects are not required to conform to the LEED standard as the standard does not address these types of projects. It is the policy of the City of Long Beach that green building techniques, methods and materials be incorporated into such projects as much as practicable.

Program Goals Within three years of adopting the Green Building Policy for the City of Long Beach, all new municipal projects of over 7,500 square feet will meet the LEED Certified criteria. Within six years of adopting the Green Building Policy for the City of Long Beach, 60 percent of all new municipal construction projects will meet LEED Silver criteria.

City of Los Angeles - Green Building Retrofit Requirement

(213) 485-4282

Incentive Type: Energy Standards for Public Buildings

Applicable Sectors: Local Government

Technology:

Solar Water Heat, Solar Space Heat, Geothermal Electric, Solar Thermal Electric, Solar Photovoltaics, Geothermal Heat Pumps, Combined Heat & Power, Geothermal Direct-Use

Refrigerators/Freezers, Lighting, Chillers, Furnaces, Boilers, Heat pumps, Air conditioners, Roofs, Comprehensive Measures/Whole Building, Commercial Refrigeration Equipment

Summary

In April 2009, Los Angeles enacted Ordinance 180636, known as the Green Building Retrofit Ordinance. This ordinance was later amended by Ordinance 182259. The law requires all city-owned buildings that are either more than 7,500 square feet or built before 1978 to be retrofitted. The goal of the retrofits will be to achieve LEED for Existing Buildings Silver certification or higher. This requirement is subject to the availability of state or federal funds. The Ordinance requires that at least half of the buildings retrofitted are located in high-poverty and high-unemployment areas, and that, to the extent feasible, all construction be performed by local residents.

City of Oakland - Green Building Policies and Requirements

<http://www2.oaklandnet.com/government/o/PBN/OurServices/GreenBuilding/OAK022992>

(510) 238-3659

Incentive Type: Building Energy Code

Applicable Sectors:

Commercial, Construction, Industrial, Residential, Low Income Residential

Technology:

Comprehensive Measures/Whole Building

Summary

The City of Oakland adopted mandatory green building standards for private development projects on October 19, 2010. This ordinance prescribes minimum green building (see link for definition) requirements for private development (non City of Oakland) projects in Oakland.

On April 21, 2010, the City Planning Commission approved the proposed ordinance for forwarding to the City Council. The regulations apply to new construction, additions or alterations of a certain size, mixed-use, affordable housing, and large landscape projects, as well as the demolition of historic resources. The ordinance will become fully effective starting January 1, 2011, after which the project applicant will generally be required to submit a completed green building checklist, meet minimum green building requirements (LEED), and certify the project through a specific third-party green building rating system.

The ordinance supports one of the City Council's adopted goals to "Develop a Sustainable City," by "maximizing socially and environmentally sustainable growth, including conserving natural resources." The proposal also implements policies and actions in the Land Use and Transportation Element (LUTE), the Open Space Conservation and Recreation Element (OSCAR), the Historic Preservation Element (HPE) and the Housing Element of the General Plan. Furthermore, the ordinance was a key action item in the draft Energy and Climate Action Plan (ECAP) that was prepared by the Environmental Services Division.

City of Oakland - Solar Access Ordinance

(510) 238-3891

Incentive Type: Solar/Wind Access Policy

Applicable Sectors:

Commercial, Industrial, Residential, Multifamily Residential

Technology:

Solar - Passive, Solar Water Heat, Solar Space Heat, Solar Photovoltaics

Summary

17.65.080.A.3.B - Maximum Floor Area Ratio Regards the maximum floor area ratio regulation for the city of Oakland. It specifies the conditions for a conditional use permit for an FAR or up to 3.0 in the HBX-3 and HBX-4 zones. Including that “the additional Floor Area Ratio does not significantly decrease the solar access of existing adjacent single family homes or duplexes to a degree greater than would be created if the facility were built according to the base FAR.”

17.65.080.A.3.B - Maximum Floor Area Ratio Regards the maximum floor area ratio regulation for the city of Oakland. It specifies the conditions for a conditional use permit for an FAR or up to 3.0 in the HBX-3 and HBX-4 zones. Including that “the additional Floor Area Ratio does not significantly decrease the solar access of existing adjacent single family homes or duplexes to a degree greater than would be created if the facility were built according to the base FAR.”

City of Palo Alto Utilities - Commercial Energy Efficiency Rebate Program

<https://www.cityofpaloalto.org/Departments/Utilities/Business/Business-Programs/Business-Customer-Rebates>

(650) 329-2496

Incentive Type: Rebate Program

- **ELECTRIFICATION REBATES** Heat Pump Water Heater: \$2,500-\$3,500/unit | Split System Heat Pump: \$650 per ton | Oven: \$1,200-\$2,500 per unit | ENERGY STAR® Rated Fryer: \$5,000 per unit
- **CUSTOM ELECTRIFICATION REBATES** Lighting: under custom rebate process, see website | Electric: \$0.10 per first year KWh savings | Natural Gas: \$1.00 per first year therm savings | Variable Speed Drive (VSD) rebate: \$0.15 per first year kWh savings | Custom Electrification: Varies, see program guide | HVAC: under custom rebate process, see website | Chillers: under custom rebate process, see website | Advanced rooftop HVAC controls: \$150 per ton | Commercial pool and spa heater: under custom rebate process, see website
- **LAUNDRY SYSTEM, PIPE INSULATION, WATER HEATING** Ozone Washer: \$39/pound capacity | Commercial Steam Trap: \$50/unit | Pipe Insulation: \$2.00 - \$8.00/linear foot
- **REFRIGERATION EQUIPMENT** Anti-sweat heater controls: up to \$80 per linear foot | Auto Closer for Walk-ins: up to \$50 per unit | Display Case with Doors: up to \$230 per linear feet | Vending Machine Controller: up to \$100 per unit | LED Refrigerator Displace Case: up to \$40 per door
- **RESTAURANTS, COMMERCIAL KITCHENS, FOOD SERVICES EQUIPMENT** Commercial Combination Oven: \$1,500 per unit | Commercial Convection Oven: up to \$2,500 per unit | Commercial Fryer: \$650 per unit | Electrification Fryer: \$5,000 per unit (must replace gas equivalent) | Griddle: \$400 per unit | Steam Cooker: \$1,250 per unit | Ice Machine: \$50 - \$300 per unit | Insulating Cabinets: \$200 - \$600 per unit | Exhaust Hood Control System: \$700 per HP

Applicable Sectors:

Commercial, Industrial

Technology:

Clothes Washers, Refrigerators/Freezers, Equipment Insulation, Water Heaters, Lighting, Lighting Controls/Sensors, Chillers, Heat pumps, Air conditioners, Motor VFDs, Custom/Others pending approval, Food Service Equipment, Commercial Cooking Equipment, LED Lighting, Tankless Water Heater, Commercial Refrigeration Equipment

Summary

City of Palo Alto Utilities, through the Business Customer Rebates program, provides incentives for commercial customers to replace old equipment with new, more efficient equipment. Eligible businesses must receive electric service from the CPAU. In order to receive a rebate, your application must be accepted before purchasing your equipment in addition to a pre-installation site inspection.

City of Palo Alto Utilities - Residential Energy Efficiency Rebate Program

<https://www.cityofpaloalto.org/Departments/Utilities/Sustainability/Ways-to-Save>

(510) 748-3947

Incentive Type: Rebate Program

Incentive Amount:

- Heat Pump Water Heaters: up to \$2,300

Applicable Sectors:

Residential

Technology:

Water Heaters, Heat pumps

Summary

The City of Palo Alto Utilities (CPAU) is offering a Heat Pump Water Heater (HPWH) Program, which provides a generous rebate of up to \$2,300, for residents who install an efficient, electric HPWH. CPAU is conducting this program to encourage residents to use CPAUs 100% carbon neutral electricity and to promote high-efficiency HPWHs to reduce greenhouse gas emissions (GHGs) from natural gas. Eligible residents that participate in the HPWH program can receive rebates for installation of a HPWH. Rebate funding is subject to availability and may change without prior notice. City of Palo Alto Utilities also offers water conservation programs and rebates.

City of Sacramento - Solar Access Regulations

(916) 808-5656

Incentive Type: Solar/Wind Access Policy

Applicable Sectors:

Commercial, Industrial, Nonprofit, Residential, Schools, Institutional

Technology:

Solar - Passive, Solar Water Heat, Solar Space Heat, Solar Photovoltaics

Summary

Sacramento City Code, Title 17, Section 17.504.050.I ensures that the Director of Parks and Community Services gives consideration to solar access, to the extent feasible, when selecting and planting residential street trees near residential buildings.

City Code Title 12 section 12.56.100 notes that the city is exempt from the provisions of the Solar Shade Control Act, Chapter 12 (commencing with Section 25980) of Division 15 of the California Public Resources Code. (Ord. 2016-0026 § 4).

City of San Diego - Development Regulations

(619) 236-5500

Incentive Type: Solar/Wind Access Policy

Applicable Sectors:

Commercial, Construction, Industrial, Residential, Multifamily Residential, Low Income Residential

Technology:

Solar - Passive, Solar Water Heat, Solar Space Heat, Solar Thermal Electric, Solar Thermal Process Heat, Solar Photovoltaics, Solar Pool Heating

Summary

San Diego's Supplemental Development Regulations passed initially in 1997 but since has had many additions and alterations, some as recent as 2020. San Diego's Supplemental Development Regulations require that a "Shadow Plan" be developed when it is determined that structures or landscaping within a proposed development may have an impact on neighboring property's access to solar exposure. This is intended to ensure that potential impacts to solar access will be minimized. (§143.0410 section i)

The Shadow Plan is further fleshed out in §151.0301 – Permitted Development Controls. Detailing that "when, in the opinion of the City Manager, structures and major landscaping at maturity for a development project may have an impact on the solar access of adjacent property, the applicant shall submit a satisfactory shadow plan prior to the approval of a planned district development permit" (6.A).

City of San Diego - Sustainable Building Expedited Permit Program

<https://www.sandiego.gov/development-services/news-programs/sbep>

(619) 446-5000

Incentive Type: Green Building Incentive

Applicable Sectors:

Commercial, Industrial, Residential

Technology:

Solar Photovoltaics

Comprehensive Measures/Whole Building

Summary

In 2002, the City of San Diego passed Resolution R-298001, which amended the Sustainable Building Policy to allow for expedited permitting for sustainable buildings. Sustainable buildings are defined in Policy Number 900-14, and the expedited permitting program is described in Policy Number 600-27.

The Sustainable Building Policy is scheduled to be revised every three years. New residential, commercial, and industrial development projects are all eligible for expedited permitting. The expedited permitting process is estimated to take 50% as much time as the normal permitting process. The policy also prioritizes project types in the case that the expedited permitting program is full. Sustainable projects that also qualify as "Affordable Housing" projects receive second priority, and all other sustainable building projects receive fourth priority.

City of San Diego - Sustainable Building Policy

<https://www.sandiego.gov/sustainability-mobility>

(858) 694-7000

Incentive Type: Energy Standards for Public Buildings

Applicable Sectors:

Commercial, Construction, Local Government, Residential

Technology:

Solar - Passive, Solar Water Heat, Geothermal Electric, Solar Thermal Electric, Solar Photovoltaics, Wind (All), Biomass, Hydroelectric, Geothermal Heat Pumps, Municipal Solid Waste, Fuel Cells using Non-Renewable Fuels, Landfill Gas, Tidal, Wave, Ocean Thermal, Daylighting, Wind (Small), Hydroelectric (Small), Geothermal Direct-Use, Anaerobic Digestion, Fuel Cells using Renewable Fuels

Clothes Washers, Dishwasher, Refrigerators/Freezers, Dehumidifiers, Water Heaters, Lighting, Heat pumps, Air conditioners, Comprehensive Measures/Whole Building, Other EE

Level-2 Electric Vehicle Service Equipment, Direct Current Fast Charging Equipment

Summary

The City of San Diego's Sustainable Building Policy is directed by Council Policy 900-14. The policy contains regulations regarding building measures, private-sector incentives, health and resource conservation, outreach and education, and implementation.

Among the directives is a commitment City-owned, occupied or leased new construction and major renovation projects must meet LEED "Silver" Level Certification. In addition to achieving LEED Certification, Council Policy 900-14 states that City-owned and occupied new construction and major renovation projects of buildings containing more than 1,000 square feet of conditioned space must meet the energy efficiency requirements of San Diego Council Policy 900-03, Zero Emissions Municipal Buildings and Operations Policy.

Policy 900-03 requires that city-owned buildings must take actions to achieve net zero emissions by setting Energy Use Intensity (EUI) targets, specifying electric sources for space conditioning, water heating, cooking, lighting, and all other non-emergency functions, offset energy use with renewable energy systems, and provide parking spaces equipped with EV chargers. City departments must also develop plans for the elimination of all fossil fuel combustion and the provision of EV chargers for all light duty vehicle fleets by 2035.

Additionally, Council Policy 900-18 requires the City of San Diego to purchase energy efficient equipment. All energy-consuming equipment purchased must meet either Energy Star specifications or criterion that puts products in the upper 25% of energy-efficiency, based on criteria established by the U.S. Department of Energy.

City of San Francisco - Green Building and Efficiency/Electrification Requirements for City Buildings

<https://sfenvironment.org/green-building-ordinance-sf-building-code>

(415) 336-3700

Incentive Type: Energy Standards for Public Buildings

Applicable Sectors:

Local Government

Technology:

Comprehensive Measures/Whole Building

Summary

Green Buildings

Energy Optimization

Electrification of Existing Building Systems

City of San Francisco - Green Building Code

<https://sfenvironment.org/green-building-ordinance-sf-building-code>

(415) 355-3700

Incentive Type: Building Energy Code

Applicable Sectors:

Commercial, Residential

Technology:

Comprehensive Measures/Whole Building

Solar - Passive, Solar Water Heat, Solar Space Heat, Solar Photovoltaics, Wind (All),

Biomass, Fuel Cells using Non-Renewable Fuels, Daylighting, Wind (Small),

Hydroelectric (Small), Fuel Cells using Renewable Fuels

Summary

Certain buildings will need to meet additional requirements by varying dates. See Ordinance 180-08 for the full implementation schedule. Click here for Administrative Bulletin 093, which provides more information about the implementation of the green building requirements.

Building Benchmarking Requirements

Ordinance 17-11, passed in February 2011, requires owners of commercial buildings over 10,000 square feet to annually measure their building's energy performance and to report the findings to the San Francisco Department of Environment. The ordinance also requires owners of commercial buildings over 10,000 square feet to have an energy audit conducted every five years, and to submit a report on those findings to the Department of Environment. The Department of Environment will make certain aspects of these reports available to the public for every affected building. These requirements took effect in October 2011 for buildings over 50,000 square feet, and will be phased in for smaller buildings through 2013. Ordinance 74-19, passed in April 2019, added new benchmarking measures which require owners of residential buildings over 50,000 square feet to annually measure building's energy performance.

City of San Francisco - GreenFinanceSF

<https://sfenvironment.org/article/financing/greenfinancesf-commercial-pace-program>

(415) 937-7223

Incentive Type: PACE Financing

Applicable Sectors:

Commercial, Nonprofit, Multifamily Residential

Technology:

Solar Water Heat, Solar Photovoltaics

Water Heaters, Furnaces, Boilers, Air conditioners, Programmable Thermostats, Caulking/Weather-stripping, Duct/Air sealing, Building Insulation, Windows

Summary

GreenFinanceSF is a Property Assessed Clean Energy (PACE) financing program for commercial properties. GreenFinance SF uses an "open-market" PACE model in which individual property owners identify their own project lenders and negotiate all the financing terms with them. The City collects loan repayments from the participant through a special tax lien on the property and disburses payment to the project lender. The special tax lean should provide greater security to the lender, who should be able to provide more favorable financing terms to the property owner.

The property must be located in the City and County of San Francisco must be current in the payment of all obligations secured to the property including property taxes, assessments and tax liens within the past 3 years. The GreenFinance SF lien will be a senior lien, and the property owner must receive written consent from all lenders with existing liens on the property.

The property owner must also have a professional energy and/or water audit conducted on the property, and the improvements being targeted by the financing must be identified as opportunities or recommendations by the auditor. If a renewable energy system is financed, the property owner must also implement energy efficiency measures resulting in a 10% improvement in building energy performance.

City of San Jose - Private Sector Green Building Policy

<https://www.irs.gov/credits-deductio><https://www.sanjoseca.gov/your-government/departments-offices/environmental-services/energy/green-building/private-sector-green-buildings/alternative-fuel-vehicle-refueling-property-credit>

(408) 277-3671

Incentive Type: Building Energy Code

Applicable Sectors:

Commercial, Industrial, Residential

Technology:

Comprehensive Measures/Whole Building, Yes; specific technologies not identified

Summary

In October 2008, the City of San Jose enacted the Private Sector Green Building Policy (Policy No. 6-32). The policy was adopted in Ordinance No. 28622 in June, 2009. All new buildings must meet certain green building requirements in order to receive a building permit. Requirements are dependent on the size and type of the project.

Tier 1 Commercial Projects include commercial industrial projects (non-residential) of less than 25,000 square feet, and less than a height of 75 feet. These projects are required to submit a completed GreenPoint Rated Checklist or LEED Checklist in order to receive a building permit.

Tier 1 Residential Projects are single family detached residences or small residential projects consisting of 2-9 units. These buildings must also be less than 75 feet in height. Tier 1 Residential Projects are required to complete a GreenPoint Rated Checklist or a LEED Checklist.

Tier 2 Commercial Projects include commercial industrial buildings (non-residential) of more than 25,000 square feet but less than 75 feet in height. These projects must LEED Silver certified.

Tier 2 Residential Projects are multi-family buildings or multi-building residential projects consisting of 10 or more units. Buildings must be less than 75 feet in height. Tier 2 Residential projects must be LEED Certified or GreenPoint Rated.

High-Rise Residential Projects are residential projects taller than 75 feet. These projects must be LEED Certified.

Mix-Use Projects must submit a GreenPoint Rated Checklist or LEED Checklist and receive the minimum LEED certification required by the relevant standard in the Ordinance.

In October 2019, the San Jose City Council passed Ordinance No. 30330, prohibiting natural gas infrastructure in newly constructed low rise residential buildings and accessory dwelling units. Ordinance No. 30502 updated these requirements to include all newly constructed buildings. Hospital and attached accessory dwelling units in existing mixed-fuel building are exempt. Manufacturing, industrial facilities and food service establishments may request limited exemptions for the above requirements. Hardship exemptions are also available.

City of Santa Cruz - Solar Access Ordinance

(831) 420-5111

Incentive Type: Solar/Wind Access Policy

Applicable Sectors:

Commercial, Industrial, Residential

Technology:

Solar - Passive, Solar Water Heat, Solar Space Heat, Solar Thermal Process Heat, Solar Photovoltaics, Daylighting, Solar Pool Heating

Summary

Before a development plan can be approved in the City of Santa Cruz, it must be found that the orientation and location of buildings, structures, open spaces and other features of the site plan preserve solar access of adjacent properties. In addition, buildings and structures should be designed and oriented to make use of natural elements such as solar radiation, wind and landscaping for heating, cooling and ventilation. Developers must also show that heating systems for hot tubs and swimming pools are solar when possible, and in all cases, energy efficient. The orientation and location of the fence or hedge does not impede reasonable solar access of any adjacent property.

City of Santa Monica - Green Power Purchasing through Clean Power Alliance Utility

<https://www.santamonica.gov/press/2019/04/04/santa-monica-businesses-transition-to-green-power-starting-in-may>

(301) 458-2238

Incentive Type: Green Power Purchasing

Applicable Sectors:

Local Government

Technology:

Geothermal Electric, Biomass

Summary

The City of Santa Monica made history June 1, 1999, as green electricity began powering all municipal facilities -- including the Santa Monica Airport, City Hall and the Santa Monica Pier -- making it the first city in the world to switch to 100% renewable resources to meet the power needs of city facilities. Under the contract, the city purchases approximately 5MW of renewables. The proposed purchase is equivalent to the amount of electricity used by 5,000 to 6,000 homes. Commerce Energy (formerly "Commonwealth Energy") provided the City with 100% renewable energy for City facilities through the purchase of renewable energy certificates.

Beginning May 1, 2019, Santa Monica businesses began receiving 100 percent green power. The City of Santa Monica through Clean Power Alliance introduced Santa Monica residents to green power in February 2019. Through the change, electricity delivery and billing remained with Southern California Edison (SCE), but business customers have a choice of three Clean Power Alliance energy plans derived from 100 percent carbon-free energy sources.

Clean Power Alliance will purchase clean power and Southern California Edison (SCE) delivers it. Clean Power Alliance offers three new, competitively-priced options for your electricity, all cleaner than what Edison provides, and also reinvests funds back into the community.

City of Sebastopol - Mandatory Solar Requirement for Residential and Commercial Buildings

(707) 823-8597

Incentive Type: Building Energy Code

Applicable Sectors:

Commercial, Residential

Technology:

Solar Photovoltaics

Summary

In 2013 The City of Sebastopol became the second U.S. city to require photovoltaics (PV) to be installed on new buildings. The ordinance applies to all new commercial and residential buildings, and additions to existing commercial and residential buildings. The ordinance defines additions to commercial buildings as any addition that increases the square footage by 1,800 or greater and all remodels, alterations or repairs of more than 50% of the structure. The ordinance defines additions to residential buildings as any addition that increases the square footage by 75% or greater and all remodels, alterations or repairs of more than 75% of the structure.

Minimum system size may be calculated by either of two methods, prescriptive or performance. Buildings using the prescriptive method must install 2 watts per square foot of conditioned building area including existing, remodeled and new conditioned space. Buildings using the performance method must use modeling software or other methods approved by the official to demonstrate that the system installed will meet 75% of the building's annual electricity load.

City of Sebastopol - Solar Access

<http://www.ci.sebastopol.ca.us>

(707) 823-7863

Incentive Type: Solar/Wind Access Policy

Applicable Sectors:

Local Government, Residential

Technology:

Solar - Passive, Solar Water Heat, Solar Space Heat, Solar Thermal Electric, Solar Photovoltaics

Summary

As a condition of approval of a property subdivision parcel map, the City of Sebastopol has the right to ask for dedication of solar easements for the purpose of assuring that each parcel or unit in the subdivision receives sunlight for any solar energy system. Sebastopol also has the right to place restrictions on vegetation or building that would interfere with solar access. These easements can be required as long as they do not reduce allowable densities or the percentage of a lot that can be occupied by a structure according to applicable zoning laws. The easements do not apply to condominium projects subdividing airspace in an existing building.

Clean Transportation Program-Federal Grant

<https://www.energy.ca.gov/programs-and-topics/programs/clean-transportation-program>

Incentive Type: Grant Program from federal government

Applicable Sectors:

Commercial

Technology:

Medium-Duty Electric Vehicles, Heavy-Duty Electric Vehicles, Off-Road Electric Vehicles, Electric Transit Buses, Level-2 Electric Vehicle Service Equipment, Direct Current Fast Charging Equipment

Summary

The Clean Transportation Program annually awards up to \$100 million in grants to fund development of conveniently-located fueling and charging infrastructure for low-and zero-emission vehicle and advancement and adoption of alternative fuel and advanced technology vehicles, including low-and zero-emission medium- and heavy-duty vehicles.

Energy and Emissions Goals and Standards for Federal Government

<https://www.sustainability.gov/index.html>

(202) 586-5772

Incentive Type: Energy Standards for Public Buildings

Applicable Sectors:

Federal Government

Technology:

Solar Water Heat, Other Distributed Generation Technologies

Comprehensive Measures/Whole Building, Yes; specific technologies not identified

Summary

Federal buildings must be designed to achieve the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) Gold certification, and meet Energy Star standards. The goal of EO 14057 for buildings is to have a net-zero emissions building portfolio by 2045, including a 50 percent emissions reduction by 2032.

Federal agencies must purchase Energy Star and Federal Energy Management Program (FEMP)-designated products.

Agencies must also comply with Federal Building Performance Standard (BPS), by either having zero emissions from on-site fossil fuel emissions, or upgrading equipment under the prescriptive pathway. To satisfy the Federal BPS under the prescriptive pathway, agencies must fully electrify all cooling, cooking, backup generators used for non-emergency services (e.g., demand response), and laundry loads that do not qualify for an exclusion in applicable facilities. Agencies then must upgrade facilities to comply with the prescriptive measures for space and domestic/service water heating systems to the greatest extent practicable

Energy Efficiency Financing for Public Sector Projects

<http://www.energy.ca.gov/efficiency/financing/index.html>

(916) 654-4104

Incentive Type: Loan Program-Loans must be repaid from energy cost savings within 20 years, including principal and interest

Applicable Sectors:

Local Government, Schools, Institutional

Technology:

Solar Photovoltaics, Combined Heat & Power, Wind (Small), Other Distributed Generation Technologies

Lighting, Lighting Controls/Sensors, Chillers, Furnaces, Boilers, Heat pumps, Air conditioners, Energy Mgmt. Systems/Building Controls, Building Insulation, Motors, Custom/Others pending approval, Other EE

Storage Technologies

Level-2 Electric Vehicle Service Equipment, Direct Current Fast Charging Equipment

Summary

Cities, counties, public care institutions, public hospitals, public schools and colleges, and special districts in California can apply for low-interest loans from the California Energy Commission for energy efficiency projects in their buildings and facilities. Residential and commercial projects and non-profit institutions are not eligible for these funds.

There is no minimum loan amount, but the maximum loan amount per application is \$3 million. The loan term cannot exceed the useful life of loan-funded equipment, and will be determined on a case-by-case basis based on the estimated annual energy cost savings from the projects. The exact loan term will be determined such that the energy savings will cover the loan payments.

Energy Efficiency Resource Standard

<http://cpuc.ca.gov/energyefficiency/>

(510) 748-3947

Incentive Type: Energy Efficiency Resource Standard

Applicable Sectors:

Investor-Owned Utility

Technology:

Custom/Others pending approval

Summary

The California Legislature emphasized the importance of energy efficiency and established broad goals with the enactment of Assembly Bill 2021 of 2006. The bill called for a 10% reduction in forecasted electricity consumption within 10 years. The bill also required the California Energy Commission (CEC), the California Public Utilities Commission (CPUC) and other interested parties to develop a statewide estimate of all cost-effective electricity and natural gas savings and to develop efficiency savings and demand reduction targets for the next 10 years. The CPUC has revised the energy savings targets over time, most recently in August 2023 with Decision 23-08-005. While previous Decisions established separate targets for energy savings and peak demand savings, Decision 21-05-031, adopted a new Total System Benefit (TSB) goal metric to replace the two separate targets. The TSB metric reflects the lifecycle energy, capacity, and greenhouse gas benefits of a measure in dollar terms.

Publicly-owned utilities in California are not regulated by the CPUC. Still, Assembly Bill 2021 requires them to pursue energy efficiency as well. The law required them by June 1, 2007 to identify all cost-effective energy efficiency and demand reduction possibilities, and to establish energy reduction goals for the next 10 years. Public utilities are required to update these studies every three years and to submit them to the CEC.

Energy Storage Procurement Target

<https://www.cpuc.ca.gov/industries-and-topics/electrical-energy/energy-storage>

Incentive Type: Energy Storage Target

Technology:

Lithium-ion storage

Summary

A.B. 2514 of 2010 required the California Public Utilities Commission (CPUC) to open a proceeding to determine appropriate targets, if any, for each load-serving entity to procure energy storage. After opening a proceeding in December 2010 to consider the matter, the CPUC adopted an energy storage procurement framework and established a statewide energy storage target of 1,325 MW by 2020, with Southern California Edison (SCE), Pacific Gas & Electric (PG&E), and San Diego Gas & Electric (SDG&E), each responsible for a portion of the total.

The total requirement for each utility is subdivided between systems installed at the transmission level, distribution level, and customer level.

A.B. 2514 of 2010 required the California Public Utilities Commission (CPUC) to open a proceeding to determine appropriate targets, if any, for each load-serving entity to procure energy storage. After opening a proceeding in December 2010 to consider the matter, the CPUC adopted an energy storage procurement framework and established a statewide energy storage target of 1,325 MW by 2020, with Southern California Edison (SCE), Pacific Gas & Electric (PG&E), and San Diego Gas & Electric (SDG&E), each responsible for a portion of the total.

Energy-Efficient Appliance Manufacturing Tax Credit

<http://www.irs.gov/Businesses/Corporations/Manufacturers%27-Energy-Efficient-Appliance-Credit>

(800) 829-1040

Incentive Type: Industry Recruitment/Support

Incentive Amount:

- Dishwashers: \$25 - \$75 per unit, varies by energy and water efficiency; | Clothes washers: \$175 - \$225 per unit, varies by type, and energy and water efficiency; | Refrigerators: \$150 or \$200, depending on energy-efficiency rating

Applicable Sectors:

Industrial

Technology:

Clothes Washers, Dishwasher, Refrigerators/Freezers

Summary

Note: This tax credit expired at the end of 2011. The American Taxpayer Relief Act of 2012 retroactively renewed this tax credit for certain appliances manufactured in 2012 and 2013.

The federal Energy Policy Act of 2005 established tax credits for manufacturers of high-efficiency residential clothes washers, refrigerators, and dishwashers produced in calendar years 2006 and 2007. The Energy Improvement and Extension Act of 2008 and The American Taxpayer Relief Act of 2012 extended these credits, depending on the efficiency rating of the manufactured appliance. Manufacturers may only receive these credits for the increase in production of qualifying appliances over a two-year rolling baseline, and only appliances produced in the United States are eligible.

Energy-Efficient Commercial Buildings Tax Deduction

<https://www.irs.gov/credits-deductions/energy-efficient-commercial-buildings-deduction>

(800) 829-1040

Incentive Type: Federal Corporate Tax Deduction

Incentive Amount:

- Building Projects That Do Not Meet the Labor Provisions: \$0.50 per square foot for a building with 25% energy savings, plus \$0.02 per square foot for each percentage point above 25%, up to a maximum of \$1.00 per square foot for a building with 50% energy savings
- Building Projects That Do Meet the Labor Provisions: \$2.50 per square foot for a building with 25% energy savings, plus \$0.10 per square foot for each percentage point above 25%, up to a maximum of \$5.00 per square foot for a building with 50% energy savings

Applicable Sectors:

Commercial, Construction, State Government, Federal Government

Technology:

Equipment Insulation, Water Heaters, Lighting, Lighting Controls/Sensors, Chillers, Furnaces, Boilers, Heat pumps, Air conditioners, Caulking/Weather-stripping, Duct/Air sealing, Building Insulation, Windows, Siding, Roofs, Comprehensive Measures/Whole Building, Other EE, Tankless Water Heater

Summary

Note: The Taxpayer Certainty and Disaster Tax Relief Act of 2020 reinstated this tax deduction and made it permanent. It also included a new section which allows the deduction to be adjusted annually for inflation. Section 13303 of The Inflation Reduction Act of 2022 (H.R. 5376) further modified the deduction by modifying the value of the deduction, changing the energy efficiency requirements, and establishing a bonus deduction value for projects that meet certain prevailing wage and apprenticeship requirements. The bill also established a mechanism for the tax deduction for buildings owned by tax-exempt entities to be claimed by the person primarily responsible for designing the property. These changes are effective January 1, 2023.

The federal Energy Policy Act of 2005 established a tax deduction for energy-efficient commercial buildings applicable to qualifying systems and buildings placed in service from January 1, 2006, through December 31, 2007. This deduction was subsequently extended several times, and is now permanent.

A tax deduction is available to owners of qualified commercial buildings and designers of energy efficient commercial building property (EECBP) or energy efficient commercial building retrofit property (EEBRP) installed in buildings owned by specified tax-exempt entities, including certain government entities, Indian tribal governments, Alaska Native Corporations, and other tax-exempt organizations.

EECBP must be installed on or in a building that is located in the U.S. and within the scope of a specified ASHRAE 90.1 and the Illuminating Engineering Society of North America. Additionally, the property must be installed as part of the interior lighting systems, the heating, cooling, ventilation, and hot water systems, or the building envelope. It also must be certified as being installed as part of a plan to reduce the total annual energy and power costs for the above systems by 25% or more in comparison to a reference building meeting the minimum requirements of ASHRAE 90.1.

Energy-Efficient Mortgages - Federal

https://www.energystar.gov/newhomes/mortgage_lending_programs/energy_efficient_mortgages

Incentive Type: Loan Program

Applicable Sectors:

Residential

Technology:

Solar - Passive, Solar Water Heat, Solar Space Heat, Solar Photovoltaics, Daylighting

Summary

Homeowners can take advantage of energy efficient mortgages (EEM) to either finance energy efficiency improvements to existing homes, including renewable energy technologies, or to increase their home buying power with the purchase of a new energy efficient home. The U.S. federal government supports these loans by insuring them through Federal Housing Authority (FHA) or Veterans Affairs (VA) programs. This allows borrowers who might otherwise be denied loans to pursue energy efficiency, and it secures lenders against loan default.

FHA Energy Efficient Mortgages The FHA allows lenders to add up to 100% of energy efficiency improvements to an existing mortgage loan with certain restrictions. FHA mortgage limits vary by county, state and the number of units in a dwelling. See their website for more details. These mortgages were previously limited to \$8,000.

Department of Veterans Affairs (VA) Energy Efficient Mortgages The VA insures EEMs to be used in conjunction with VA loans either for the purchase of existing homes or for refinancing loans secured by the dwelling. Homebuyers may borrow up to \$3,000 if only documentation of improvement costs or contractor bids is submitted, or up to \$6,000 if the projected energy savings are greater than the increase in mortgage payments. Loans may exceed this amount at the discretion of the VA. Applicants may not include the cost of their own labor in the total amount. No additional home appraisal is needed, but applicants must submit a HER, contractor bids and certain other documentation. The VA insures 50% of the loan if taken by itself, but it may insure less if the total value of the mortgage exceeds a certain amount.

Conventional EEMs Conventional mortgages are not backed by a federal agency. Private lenders sell loans to Fannie Mae and Freddie Mac, which in turn allows homebuyers to borrow up to 15% of an existing home's appraised value for improvements documented by a HER. Fannie Mae also lends up to 5% for Energy Star new homes. Fannie Mae EEMs are available to single-family, owner-occupied units, and Fannie Mae provides EEMs to those whose income might otherwise disqualify them from receiving the loans by allowing approved lenders to adjust borrowers' debt-to-income ratio by 2%. The value of the improvements is immediately added to the total appraised value of the home. Freddie Mac offers GreenChOICE mortgages to "provide greater affordability for borrowers, offer more flexibility and combine the flexibilities of Home Possible Mortgages to offer borrowers additional affordable financing opportunities." Borrowers should apply directly to the lender.

ENERGY STAR Partnership for Lenders To promote EEMs and lenders who offer them, the federal ENERGY STAR program offers a partnership program for lenders who provide EEMs to borrowers. Becoming a partner allows lenders to utilize the Energy Star brand to promote themselves as Energy Star partners offering EEMs. To become a lender, partner lenders must first provide proof that they know how to write EEMs. To maintain their partnership benefits, lenders must write a certain number of EEMs per year. Energy Star does not have a lender certification program or process.

Energy-Efficient New Homes Tax Credit for Home Builders - Federal

(800) 829-1040

Incentive Type: Federal Corporate Tax Credit

Applicable Sectors:

Construction

Technology:

Comprehensive Measures/Whole Building

Summary

Tax Credit for homes constructed and acquired before January 1, 2023: The federal Energy Policy Act of 2005 established tax credits of up to \$2,000 for builders of all new energy-efficient homes, including manufactured homes constructed in accordance with the Federal Manufactured Homes Construction and Safety Standards. Initially scheduled to expire at the end of 2007, the tax credit was extended several times.

The home qualifies for the credit if: It is located in the United States; Its construction is substantially completed before December 31, 2021; It meets the energy saving requirements outlined in the statute; and It is acquired from the eligible contractor after December 31, 2013, and before January 1, 2022, for use as a residence.

Energy Saving Requirements Site-built homes qualify for a \$2,000 credit if they are certified to reduce heating and cooling energy consumption by 50% relative to the International Energy Conservation Code (IECC) 2006 and meet minimum efficiency standards established by the Department of Energy. Building envelope component improvements must account for at least one-fifth of the reduction in energy consumption.

Manufactured homes qualify for a \$2,000 credit if they conform to Federal Manufactured Home Construction and Safety Standards and meet the energy savings requirements of site-built homes described above. Manufactured homes qualify for a \$1,000 credit if they conform to Federal Manufactured Home Construction and Safety Standards and reduce energy consumption by 30% relative to IECC 2006. In this case, building envelope component improvements must account for at least one-third of the reduction in energy consumption. Alternatively, manufactured homes can also qualify for a \$1,000 credit if they meet ENERGY STAR Labeled Home requirements.

Certification The Internal Revenue Service (IRS) has issued guidance to provide information about the certification process that a builder must complete to qualify for the credit. The guidance also provides for a public list of software programs that may be used in calculating energy consumption for purposes of obtaining a certification.

Single-family homes and manufactured homes that meet the applicable Energy Star requirements can receive a tax credit of \$2,500. Single-family homes acquired before January 1, 2025 must meet the Energy Star Single-Family New Homes National Program Requirements 3.1, and homes acquired after December 31, 2024 must meet the Energy Star Single-Family New Homes National Program Requirements 3.2. Manufactured homes must meet the most recent Energy Star Manufactured Home National program requirements as in effect on the latter of January 1, 2023 or January 1 of two calendar years prior to the date the home is acquired.

Single Family homes and manufactured that are certified as a zero energy ready home under the Zero Energy Ready Home Program of the U.S. Department of Energy can receive a tax credit of \$5,000.

Multifamily homes that meet the applicable Energy Star Multifamily New Construction Program requirements can receive a tax credit of \$500 per unit. Multifamily homes that meet the applicable Energy Star Multifamily New Construction Program requirements and pay prevailing wages to the laborers and mechanics employed to construct the building can receive a higher tax credit of \$2,500 per unit.

Multifamily homes that are certified as a zero energy ready home under the Zero Energy Ready Home Program of the U.S. Department of Energy can receive a tax credit of \$1,000 per unit. Multifamily homes that are certified as a zero energy ready home under the Zero Energy Ready Home Program of the U.S. Department of Energy and pay prevailing wages to the laborers and mechanics employed to construct the building can receive a higher tax credit of \$5,000 per unit.

Enhanced Community Renewables Program

<https://www.cpuc.ca.gov/industries-and-topics/electrical-energy/electric-rates/green-tariff-shared-renewables-program>

(410) 703-1779

Incentive Type: Community Solar Rules

Applicable Sectors:

Commercial, Industrial, Local Government, Nonprofit, Residential, Schools, Federal Government, Agricultural, Multifamily Residential, Low Income Residential

Technology:

Geothermal Electric, Solar Thermal Electric, Solar Photovoltaics, Wind (All), Biomass, Municipal Solid Waste, Landfill Gas, Tidal, Wave, Ocean Thermal, Fuel Cells using Renewable Fuels

Summary

The Enhanced Community Renewables Program is one element of the Green Tariff Shared Renewables (GTSR) Program, which was established by Senate Bill 43 of 2014. The Enhanced Community Renewables Program allows a customer to purchase a share of a community renewable energy project directly from a developer and receive a bill credit on their proportionate share of the system's production. The program is capped at 600 MW statewide.

Fannie Mae Green Financing – Loan Program - Federal

<https://www.fanniemae.greenfinancing.com>

(510) 748-3947

Incentive Type: Loan Program

Applicable Sectors:

Multifamily Residential

Technology:

Solar Photovoltaics Low-Flow Water Fixtures

Clothes Washers, Dishwasher, Dehumidifiers, Water Heaters, Lighting, Furnaces, Boilers, Heat pumps, Air conditioners, Caulking/Weather-stripping, Duct/Air sealing, Building Insulation, Windows, Roofs, Comprehensive Measures/Whole Building, Custom/Others pending approval, Insulation, Tankless Water Heater

Summary

The Fannie Mae Green Financing Business provides mortgage financing to apartment buildings and cooperatives (with 5 or more units) to finance energy and water efficiency property improvements. Its green financing programs include Green Rewards, and preferential pricing for loans secured by a property with an eligible Green Building Certification. All Fannie Mae green loans are securitized as Green Mortgage Backed Securities (Green MBS).

Green Rewards, launched in 2015, provides preferential pricing and up to an additional 5% of loan proceeds by including up to 75% of projected owner energy and water savings and 25% of projected tenant savings in the loan underwriting. Conventional and affordable multifamily properties, as well as cooperatives, seniors, military, and student housing properties are eligible for this program. To qualify for a Green Rewards loan the property owner must commit to making property improvements that are projected to reduce the whole property's annual energy and water consumption by at least 30%, which a minimum of 15% must be attributable to savings in energy consumption. Properties may be located anywhere in US, and the selected property upgrades must be completed within 12 months of loan closing.

Fannie Mae also provides preferential pricing for an acquisition or refinance loan on a conventional or affordable property that has a current, eligible Green Building Certification per Fannie Mae Form 4250.

Federal Appliance Standards

http://www.eere.energy.gov/buildings/appliance_standards

(877) 337-3463

Incentive Type: Appliance/Equipment Efficiency Standards

Applicable Sectors:

Industrial

Technology:

Clothes Washers, Dishwasher, Refrigerators/Freezers, Dehumidifiers, Ceiling Fan, Water Heaters, Lighting, Furnaces, Boilers, Heat pumps, Air conditioners, Motors, Other EE

Summary

Minimum standards of energy efficiency for many major appliances were established by the U.S. Congress in the federal Energy Policy and Conservation Act (EPCA) of 1975, and have been subsequently amended by succeeding energy legislation, including the Energy Policy Act of 2005 and The Energy Independence and Security Act of 2007 (EISA).

The U.S. Department of Energy (DOE) is required to set appliance efficiency standards at levels that achieve the maximum improvement in energy efficiency that is technologically feasible and economically justified. The DOE website lists updates and final rulings for 25 consumer product categories, 26 commercial and industrial product categories, 15 lighting product categories, and 5 plumbing product categories.

Fuel Mix Disclosure

<https://www.energy.ca.gov/programs-and-topics/programs/power-source-disclosure/power-content-label>

(916) 653-0237

Incentive Type: Generation Disclosure

Applicable Sectors:

Investor-Owned Utility, Municipal Utilities, Cooperative Utilities

Summary

California's retail electricity suppliers must disclose to all customers and the state the fuel mix and greenhouse gas (GHG) emissions intensity used in the generation of electricity. Utilities must use a standard label created by the California Energy Commission (CEC), and this information must be provided to end-use customers annually. Utilities must also disclose this information in all product-specific written marketing materials distributed to consumers.

Glendale Water and Power - Electric Vehicle Charging Station Rebate Program

<https://www.glendaleca.gov/government/departments/glendale-water-and-power/electric-vehicles>

(818) 551-3080

Incentive Type: Rebate Program

Incentive Amount:

- Residential Hardwired Wi-Fi enabled EV Charger: \$599
- Residential Standard Non Wi-Fi EV Charger: \$200
- Commercial/Multi-Family Smart Charging Station: \$3,000
- Commercial/Multi-Family Non-Network Charger: \$1,500
- Additional incentive of \$3,000 for commercial and multi-family customers meeting certain criteria.

Applicable Sectors:

Commercial, Residential, Multifamily Residential

Technology:

Level-2 Electric Vehicle Service Equipment

Summary

Glendale Water and Power (GWP) has launched a program that aims to expand the electric vehicle (EV) charging infrastructure, which will make it easier for residents to charge their EVs. GWP offers up to \$599 in rebates for residential customers and up to \$6,000 for commercial or multifamily customers. For more information, visit the program website.

Glendale Water and Power - Residential Energy Efficiency Rebate Program

<https://www.irs.gov/credits-deductions/alternative-fuel-vehicle-refueling-property-credit>
<https://www.glendaleca.gov/government/departments/glendale-water-and-power/residential-customers/residential-programs/smart-home-rebate-programs>

(510) 748-3947

Incentive Type: Rebate Program

Incentive Amount:

- **Energy Star Items:**
- Clothes Washer: \$60 - \$80
- Refrigerator: \$60 - \$80
- Dishwasher: \$30 - \$40
- Room AC: \$50 - \$60
- Central AC: \$140 - \$250/ton
- Ceiling Fan: \$25 - \$30
- Variable Speed Pool Pump: \$400-\$450
- Heat Pump/Mini-Split Pump: \$230 - \$250
- Electric Heat Pump Clothes Dryer: \$300 - \$325
- Electric Heat Pump Water Heater: \$500 - \$525
- Electric Clothes Dryer: \$200-\$220

- **Non-Energy Star Items:**

- Whole House Fan: \$100 - \$125
- Solar Attic Fan \$100 - \$125
- Premium High Efficiency Toilet: \$50 - \$60
- EV Charging Station: \$200-\$1,700
- Electric Bicycles: \$300 - \$400
- Electric Water Heater: \$400 - \$425
- Range & Range/Oven Combo: \$200 - \$220
- Wall Oven: \$200 - \$220
- Electric Leaf Blower: \$40 - \$50

Applicable Sectors:

Residential

Technology:

Level-2 Electric Vehicle Service Equipment

Clothes Washers, Dishwasher, Refrigerators/Freezers, Ceiling Fan, Water Heaters, Heat pumps, Air conditioners, Pool Pumps

Summary

Glendale Water and Power (GPW) offers the Smart Home Energy and Water Saving Rebate Program that includes several incentives for residential customers to improve the energy efficiency of participating homes. Rebates are offered for a variety of appliances that meet required minimum efficiency levels. Amounts vary according to efficiency, requirements, and location of purchase.

Green Building Action Plan for State Facilities

<https://www.green.ca.gov/>

(916) 375-4671

Incentive Type: Energy Standards for Public Buildings

Applicable Sectors:

State Government

Technology:

Comprehensive Measures/Whole Building, Other EE

Solar - Passive, Solar Water Heat, Solar Space Heat, Solar Photovoltaics, Wind (All), Biomass, Geothermal Heat Pumps, Combined Heat & Power, Daylighting, Wind (Small), Hydroelectric (Small)

Summary

New buildings or major renovations larger than 10,000 square feet must earn the "Gold" level of LEED certification

Additionally, new state buildings and major renovations started after 2025 must be constructed to be zero net energy, while 50% of existing square footage must be in the process of achieving zero net energy by 2025

State agencies shall purchase and use environmentally preferable products that have a lesser or reduced effect on human health and the environment when compared with competing goods that serve the same purpose whenever they are applicable, perform well and are cost-effective. This includes purchasing Energy Star equipment when available.

Any proposed new or major renovation of State buildings larger than 10,000 square feet shall use clean, onsite power generation such as solar photo-voltaic, solar thermal and wind power generation, and clean backup power supplies, if economically feasible.

Green Power Purchasing Goal for Federal Government - Federal

<https://www.sustainability.gov/index.html>

(202) 586-5772

Applicable Sectors:

Federal Government

Technology:

Solar Water Heat, Solar Space Heat, Geothermal Electric, Solar Thermal Electric, Solar Photovoltaics, Wind (All), Biomass, Hydroelectric, Geothermal Heat Pumps, Municipal Solid Waste, Combined Heat & Power, Fuel Cells using Non-Renewable Fuels, Landfill Gas, Tidal, Wave, Ocean Thermal, Wind (Small), Fuel Cells using Renewable Fuels, Microturbines

Summary

The federal Energy Policy Act of 2005 (EPAcT 2005) extended and expanded several previous goals and standards to reduce energy use in existing and new federal buildings. Section 203 of EPAcT 2005 required that, to the extent it is economically feasible and technically practicable, the total amount of renewable electric energy consumed by the federal government during 2013 and thereafter shall not be less than 7.5%. That target was updated and expanded by a Presidential Memorandum on December 5, 2013, and again by an Executive Order on March 19, 2015. The Executive Order established additional targets, culminating in a required 30% renewable energy requirement by fiscal year 2025 and thereafter. The Executive Order also established targets for renewable energy composition in the total combined amount of renewable electric and thermal energy consumed by each agency. However, an Executive Order signed in May 2018 (13834) revoked that Executive Order, eliminating all targets beyond the 7.5% by 2013 and thereafter target.

Homebuyer Solar Option and Solar Offset Program

<https://www.cpuc.ca.gov/General.aspx?id=6043>

(916) 651-1463

Incentive Type: Building Energy Code

Applicable Sectors:

Residential

Technology:

Solar Photovoltaics

Summary

Senate Bill 1 of 2006, which established the statewide California Solar Initiative, also required the California Energy Commission (CEC) to implement regulations that require sellers of production homes to offer a solar energy system option to all prospective homebuyers. Besides offering solar as an option to prospective homebuyers, sellers of homes constructed on land for which an application for a tentative subdivision map has been deemed complete on or after January 1, 2011, must disclose to the prospective homebuyer the total installed cost of the solar option, the estimated cost savings associated with the solar energy system option, information about California solar energy system incentives, and information about the Go Solar California website.

Sellers of production homes affected by this law may opt for the solar offset program rather than offer solar as an option to prospective homebuyers. The solar offset program requires sellers to install a solar system elsewhere which is equivalent to the aggregate capacity of solar that would have been installed in an affected subdivision if 20% of the buyers had opted for the solar option.

Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)

<https://www.irs.gov/creditshttps://californiahvip.org/-deductions/alternative-fuel-vehicle-refueling-property-credit>

(510) 748-3947

Incentive Type: Rebate Program

Incentive Amount:

- \$2,000-\$315,000

Applicable Sectors:

Commercial

Technology:

Medium-Duty Electric Vehicles, Heavy-Duty Electric Vehicles, Electric Transit Buses

Summary

The Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP) accelerates commercialization by providing point-of-sale vouchers to make buying better vehicles more affordable. This project was launched by the California Air Resources Board in 2009 and is a part of California Climate Investments. The program provides vouchers between \$2,000 and \$315,000 on a first-come, first-served basis to eligible fleets to reduce the incremental cost of purchasing qualified electric trucks and buses.

IID Energy - Commercial Rebate Program

<https://www.irs.gov/cred><https://www.iid.com/customer-service/save-energy-and-money/your-business/custom-programs/its-deductions/alternative-fuel-vehicle-refueling-property-credit>

(760) 482-3359

Incentive Type: Rebate Program

Incentive Amount:

- Custom Lighting (interior): \$0.11/kWh
- Custom Lighting (exterior): \$0.03/kWh
- Custom Process Loads: \$0.18/kWh
- Custom HVAC/Refrigeration: \$0.25/kWh

Applicable Sectors:

Commercial

Technology:

Heat pumps, Air conditioners, Motors, Motor VFDs, Custom/Others pending approval

Summary

Imperial Irrigation District (IID) offers incentives to its commercial customers to encourage the adoption of energy efficient technologies, including commercial heating and cooling equipment, motors, and custom measures. Customers must retrofit, replace, or upgrade old equipment with new, energy-efficient technologies that meet and exceed the current Title 24 standards. For more information on specific incentive amount and eligibility, see the manuals and applications on the program website.

IID Energy - Residential Energy Efficiency Rebate Program

<https://www.iid.com/customer-service/save-energy-and-money/your-home/residential-rebates>

(760) 482-3359

Incentive Type: Rebate Program

Incentive Amount:

- ENERGY STAR® Refrigerator: \$75/unit
- ENERGY STAR® Clothes Washer: \$75/unit
- ENERGY STAR® Electric Clothes Dryer: \$75/unit
- ENERGY STAR® Dish Washer: \$75/unit
- ENERGY STAR® Dual-Pane Windows: \$2/sq. ft.
- Shade Screens: \$1/sq. ft.
- Variable-Speed Pool Pump: \$200/unit
- Electric Attic Fan: \$75/unit
- Solar Attic Fan: \$125/unit
- Attic Insulation: \$0.30/sq. ft.
- Radiant Barrier: \$0.30/sq. ft.
- ENERGY STAR® Room Air Conditioner: \$100/unit
- Evaporative Cooler: \$300/unit
- Ductless Mini-Split System: \$200/unit
- ENERGY STAR® Thermostat: \$50/unit
- HVAC – Gas to Electric: \$400/ton
- HVAC System: \$125 - \$300/ton

Applicable Sectors:

Residential

Technology:

Clothes Washers, Refrigerators/Freezers, Heat pumps, Air conditioners, Programmable Thermostats, Building Insulation, Windows, Pool Pumps, HVAC

Summary

Imperial Irrigation District Energy offers incentives to residential customers to encourage energy efficiency. This incentive takes the form of rebates offered for qualifying energy efficient appliances and building improvements. Rebates are only available for existing homes. New construction homes do not qualify. Rebates are not guaranteed and are available on a first-come, first-served basis. Rebates are available on attic insulation, attic fans, ENERGY STAR refrigerators, ENERGY STAR dual pane windows, room air conditioners, ENERGY STAR clothes washers, central air conditioners, heat pumps, and other products.

Interconnection Standards-State

<https://www.cpuc.ca.gov/Rule21/>

Incentive Type: Interconnection

Applicable Sectors:

Commercial, Industrial, Residential

Technology:

Geothermal Electric, Solar Thermal Electric, Solar Photovoltaics, Wind (All), Biomass, Hydroelectric, Municipal Solid Waste, Combined Heat & Power, Fuel Cells using Non-Renewable Fuels, Landfill Gas, Wind (Small), Fuel Cells using Renewable Fuels, Other Distributed Generation Technologies, Microturbines

Summary

California's "Rule 21" generally applies to systems connecting to an investor-owned utility's distribution grid, non-export generating facilities connecting to an investor-owned utility's transmission grid and all net metered facilities in an investor-owned utility's service territory. Systems connecting to an investor-owned utility's distribution grid for the purpose of participating in a wholesale transaction must apply under the investor-owned utility's Wholesale Distribution Access Tariff. Systems connecting to the transmission grid must apply to the California Independent System Operator for interconnection. Systems connecting to the grid of a municipal or cooperative utility must follow the interconnection procedures adopted by that utility.

Rule 21 clearly defines a series of screens meant to filter applicants into the study path most suited for their project. It also establishes fixed timelines for the screens intended to speed the process of approval. Also defined in the tariff are a variety of fees and deposits required at various stages of the interconnection process. Net metered facilities are exempt from most of these fees.

Interconnection Standards for Small Generators-Federal

<https://www.ferc.gov/electric-transmission/generator-interconnection/standard-interconnection-agreements-and-procedures>

(202) 502-6088

Incentive Type: Interconnection

Applicable Sectors:

Commercial, Industrial, Local Government, Nonprofit, Residential, Schools, State Government, Federal Government, Tribal Government, Agricultural, Institutional

Technology:

Geothermal Electric, Solar Thermal Electric, Solar Photovoltaics, Wind (All), Biomass, Hydroelectric, Combined Heat & Power, Landfill Gas, Tidal, Wave, Ocean Thermal, Wind (Small), Hydroelectric (Small), Anaerobic Digestion, Other Distributed Generation Technologies, Microturbines

Lithium-ion Storage

Summary

The FERC's standards include Small Generator Interconnection Procedures (SGIP) and a Small Generator Interconnection Agreement (SGIA). The SGIP contains the technical procedures that the small generator and utility must follow in the course of connecting the generator with the utility's lines. The SGIA contains the contractual provisions for the interconnection and spells out who pays for improvements to the utility's electric system (if needed to complete the interconnection).

LADWP - Charge up LA Electric Vehicle Charger Rebate Program

https://www.ladwp.com/ladwp/faces/ladwp/residential/r-gogreen/r-gg-driveelectric;jsessionid=SrxQgfBflH1ct2nLMhqX5k8StSz9m2QFP7YpyRGDG7FZzcYcG6mG!-581927758?_afW&_afLoop=118821977454446&_afWindowMode=0&_afWindowId=null#%40%3F_afWindowId%3Dnull%26_afL

(866) 484-0433

Incentive Type: Rebate Program

Incentive Amount:

- **Residential Customers:** Level 2 charger: \$1,000
- **Residential Customers (Income-qualified):** Level 2 charger: \$1,500 Dedicated EV meter: \$250
- **Commercial Customers:** Level 2 charging station: \$5,000 (Fully subscribed)
- DCFCs: \$100,000 (Fully subscribed)
- Medium- and Heavy-Duty Chargers: \$125,000 (Applications only accepted 6/20/2023 - 6/30/2023)

Applicable Sectors:

Commercial, Residential

Technology:

Level-2 Electric Vehicle Service Equipment, Direct Current Fast Charging Equipment

Summary

Through its "Charge Up LA" rebate programs, LADWP provides various incentives for residents and businesses installing EV charging stations. For more information, visit the [program website](#).

LADWP - Charge Up LA Used Electric Vehicle Program

[https://www.ladwp.com/ladwp/faces/wcnav_externalId/r-sm-rp-usedev?](https://www.ladwp.com/ladwp/faces/wcnav_externalId/r-sm-rp-usedev?_afWindowId=null&_afLoop=120305490103309&_afWindowMode=0&_adf.ctrl#%40%3F_afWindowId%3Dnull%26_afLoop%3D120305490103309%26_adf.ctrl%3D%26_afWindowMode%3D0%26_adf.ctrl-state%3Dpaay8duc4_)

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(866) 484-0433

Incentive Type: Rebate Program

Incentive Amount:

- Used Electric Vehicle Rebate: \$1,500 - \$2,500

Applicable Sectors:

Residential

Technology:

Passenger Electric Vehicles

Summary

As part of its Used Electric Vehicle Rebate Program, LADWP offers a \$1,500 rebate to residential customers for the purchase of a qualifying used electric vehicle. The program also offers up to an additional \$1,000 rebate for homes participating in the Lifeline or EZ-SAVE Low Income Customer Assistance programs. A resident does not need to be a LADWP account holder to apply, but the permanent residence of the applicant must receive electric service from LADWP.

LADWP - Feed-in Tariff (FiT) Program

<https://www.ladwp.com/fit>

(213) 367-2100

Incentive Type: Feed-in Tariff

Incentive Amount:

- Eligible System Size: 30 kW - 3 MW DC
- Duration: Up to 20 years

Applicable Sectors:

Commercial, Industrial, Nonprofit, Residential, Schools, State Government, Federal Government, Agricultural, Institutional

Technology:

Solar Photovoltaics

Summary

Through the Feed-in Tariff (FiT) program, LADWP is purchasing energy for up to 20 years from solar V and non PV technologies through a standard offer power purchase agreement. Participating in the program conveys to the utility all energy, capacity rights, and environmental attributes associated with the project.

LADWP - Net Metering

<https://www.ladwp.com/account/customer-service/electric-rates/residential-rates#service-rider-nem-net-energy-metering-nem>

(510) 748-3947

Incentive Type: Net Metering

Incentive Amount:

- System Capacity Limit: 1 MW

Applicable Sectors:

Commercial, Industrial, Local Government, Nonprofit, Residential, Schools, State Government

Technology:

Solar Photovoltaics

Summary

LADWP allows its customers to net meter their photovoltaic (PV), wind, and hybrid systems with a capacity of not more than one megawatt. LADWP will provide the necessary metering equipment unless an installation requires atypical metering equipment. In these cases the customer must cover the additional metering expenses. The customer must also pay any related interconnection fees. Excess kilowatt-hours (kWh) generated by the customer's system will be credited toward their future bills. Excess bill credits, however, may not be used to offset taxes, minimum charges, or other charges which are not based on energy. If a bill credit still remains when the customer terminates service, the balance will be granted to the utility.

LADWP - Non-Residential Energy Efficiency Incentive Program

https://www.ladwp.com/ladwp/faces/ladwp/commercial/c-savemoney/c-sm-rebatesandprograms?_adf.ctrl-state=xdtic14o8_17&_afLoop=398868286639744

(213) 367-3436

Incentive Type: Rebate Program

Incentive Amount:

- Technical Assistance Program: \$2.50/1,000 gallons water saved
- Water Conservation Rebate Program: Varies by product, see site for details
- Save on Lighting Program: \$0.08 - \$0.24/kWh
- Savings in Action Program: Varies by program, see site for details
- Customer Performance Program: \$0.08 - \$0.30/kWh and up to \$750/kW

Applicable Sectors:

Commercial, Industrial, Local Government, Nonprofit

Technology:

Solar Photovoltaics

Lighting, Lighting Controls/Sensors, Chillers, Air conditioners, Energy Mgmt. Systems/Building Controls, Duct/Air sealing, Comprehensive Measures/Whole Building, Custom/Others pending approval, Other EE, Food Service Equipment, Vending Machine Controls, Commercial Cooking Equipment, LED Lighting, Commercial Refrigeration Equipment

Summary

Los Angeles Department of Water and Power offers prescriptive and custom incentives to non-residential customers for the installation of energy saving measures, equipment, or systems through a variety of programs.

LADWP - Residential Energy Efficiency Rebate Program

https://www.ladwp.com/ladwp/faces/ladwp/residential/r-savemoney/r-sm-rebatesandprograms?_adf.ctrl-state=h32bol5rO_37&_afrcLoop=245506415431000

(818) 342-5397

Incentive Type: Rebate Program

Applicable Sectors:

Residential

Technology:

Clothes Washers, Refrigerators/Freezers, Lighting, Heat pumps, Air conditioners, Programmable Thermostats, Building Insulation, Windows, Roofs, Other EE, Reflective Roofs, Pool Pumps, LED Lighting

Incentive Amount:

- **Appliances**
 - Refrigerator: Up to \$75 per unit
 - Recycling Old Refrigerator/Freezer: \$50 per unit
 - Clothes Washer: Up to \$500 per unit
 - Energy Star TV: Up to \$25 per unit
- **Building Products**
 - Energy Star Windows: \$2.00 per square foot
 - Cool Roof: \$0.20 - \$0.60 per square foot
- **Electric Vehicles**
 - Level II EV Charger: \$1,000
 - Used EV: \$1,500

Heating and Cooling

- Room Air Conditioner: \$50 per unit
- Central Air Conditioner: up to \$120 per ton
- Heat Pump: \$100 per ton
- Whole House Fan \$200 per unit
- **Landscaping and Irrigation**
- Weather-Based Irrigation Controller: Up to \$200 per unit (< 1 acre), \$35 per station (> 1 acre)
- Soil Moisture Sensor System: Up to \$200 per unit (< 1 acre), \$35 per station (> 1 acre)
- Rotating Nozzles: Up to \$6 per nozzle (minimum 15)
- Smart Hose Bib Irrigation Controllers: Up to \$35
- Turf Replacement Program: \$5.00 per square foot
- Rain Barrel: Up to \$50 per unit
- Cistern: Up to \$500 (based on gallonage)
- **Other Rebates**
- Flow Monitoring/Leak Detection Device: Up to \$150
- ENERGY STAR® LED Lamp: \$2.50 per unit
- Variable Flow Pool Pump: \$750 per unit
- Advanced Power Strip: Up to \$15 per unit
- Programmable Thermostat: Up to \$75 per unit
- Premium High-Efficiency Toilet: \$250 per unit

Summary

Los Angeles Department of Water and Power (LADWP) offers a variety of rebates for energy efficient equipment used in homes through the Consumer Rebate Program.

Lassen Municipal Utility District - Residential Energy Efficiency Rebate Program

<https://www.lmud.org/customer-services/rebates-solar/residential-rebates/>

(530) 257-4174

Incentive Type: Rebate Program

Incentive Amount:

- **Appliances**
- Refrigerator: \$50
- Clothes Washer: \$35
- Dish Washer: \$35
- Heat Pump Water Heater: \$350/unit
- **HVAC Equipment**
- Room AC: \$75/unit
- Central AC: \$25 - \$75/ton
- Air Source Heat Pumps: \$100 - \$125/ton
- Geothermal Heat Pump: \$1,000/ton
- Whole House Fan: \$25
- Smart Thermostat: \$50
- **Lighting**: LED Holiday Lights: \$3.00/50-100 bulb string
- **Electric Vehicle**: \$500 (new or used)

Applicable Sectors:

Residential

Technology:

Geothermal Heat Pumps

Clothes Washers, Dishwasher, Refrigerators/Freezers, Ceiling Fan, Water Heaters, Lighting, Heat pumps, Air conditioners, LED Lighting

Summary

Lassen Municipal Utility District (LMUD) offers an incentive for residential customers who purchase and install energy efficient appliances, HVAC equipment or lighting. All equipment and efficiency requirements must be met in order to receive rebates.

Local Option - Municipal Energy Districts

<https://dfpi.ca.gov/pace-program-administrators/pace/>

Incentive Type: PACE Financing

Applicable Sectors:

Commercial, Industrial, Residential, Agricultural, Multifamily Residential

Technology:

Solar Photovoltaics and other EE

Summary

Property-Assessed Clean Energy (PACE) financing effectively allows property owners to borrow money to pay for energy improvements. The amount borrowed is typically repaid via a special assessment on the property over a period of years. California has authorized local governments to establish such programs, as described below. (Not all local governments in California offer PACE financing; contact your local government to find out if it has established a PACE financing program.)

Participating local governments may authorize the property owner to contract for the improvements or purchase equipment directly. Although local governments determine which energy projects are eligible for financing, the California Energy Commission (CEC) recommends photovoltaics (PV), geothermal heat pumps, fuel cells, high-efficiency HVAC systems, insulation, and high-efficiency windows.

The interest rate of bonds may be determined by an index, but it will be fixed at the time the bonds are issued. The assessments levied, interest and any penalties constitute a lien against the improved property until loans are paid.

Lodi Electric Utility - Commercial and Industrial Energy Efficiency Loan Program

<http://lodielectric.com/908/Commercial-Programs>

(855) 516-2105

Incentive Type: Loan Program

Incentive Amount (up to):

- \$50,000 for G1 and G2 customers
- \$150,000 for customers assigned to the G3, G4, G5 or I1 rate

Applicable Sectors:

Commercial, Industrial

Technology:

Clothes Washers, Dishwasher, Refrigerators/Freezers, Lighting, Lighting Controls/Sensors, Heat pumps, Air conditioners, Custom/Others pending approval, Other EE, Food Service Equipment, Commercial Refrigeration Equipment

Summary

Summary Lodi Electric Utility provides an on-bill financing program for the commercial and industrial customers. To participate, the customer must receive a rebate through the utility's rebate program, and submit a contractor's proposal associated with an energy efficiency audit.

Lodi Electric Utility - Commercial Energy Efficiency Rebate Program

<http://lodielectric.com/906/Commercial-Rebates>

(855) 516-2105

Incentive Type: Rebate Program

Incentive Amount:

- Food Service Equipment: Varies by equipment type, see website
- Commercial Dishwashers: \$1,000 - \$5,000 per unit
- Multifamily Clothes Washers: \$75 - \$250
- Commercial Refrigeration Equipment: Varies by equipment type, see website
- Air Conditioning: \$25 - \$300 \$ per tons of cooling
- Heat Pumps: \$75 - \$250 \$ per tons of cooling
- Kitchen Demand Ventilation Control: \$500 per Horsepower
- Uninterrupted Power Supply: \$50 per kVA
- Plug Load Occupancy Sensor: \$20 per unit
- Lighting: \$0.15/ annual kWh reduction or \$20-\$300 for 1-For-1 upgrades
- Custom Measures: \$0.15 per annual kWh reduction

Applicable Sectors:

Commercial, Industrial, Multifamily Residential

Technology:

Clothes Washers, Dishwasher, Refrigerators/Freezers, Lighting, Lighting Controls/Sensors, Heat pumps, Air conditioners, Custom/Others pending approval, Other EE, Food Service Equipment, Commercial Refrigeration Equipment

Lodi Electric Utility - Residential Energy Efficiency Rebate Program

<http://lodielectric.com/909/Residential-Rebates>

(855) 516-2105

Incentive Type:

Rebate Program

Applicable Sectors:

Residential

Technology:

Clothes Washers, Dishwasher, Refrigerators/Freezers, Ceiling Fan, Water Heaters, Heat pumps, Air conditioners, Programmable Thermostats, Duct/Air sealing, Building Insulation, Windows, Motor VFDs, LED Lighting

Incentive Amount:

- **Appliances**

- Refrigerator: \$100
- Clothes Washer: \$100
- Dishwasher: \$50
- Water Heater (Greater than 30 gallons): \$100
- Heat Pump Water Heater: \$200
- Screw-In LED: \$10
- Ceiling Fan: \$50
- Smart Power Strip: \$10

- **Home Improvements**

- Insulation: \$0.30 - \$0.75 per square foot
- Solar Attic Fan: \$0.15 per cubic feet per minute
- Replacement Window: \$3.00 per square foot
- Window Film: \$0.50 per square foot
- Exterior Window Solar Screen: \$0.50 per square foot
- Room Air Conditioner: \$25 per unit
- Web-Enabled Smart Thermostat: \$50 per unit
- Central Air Conditioner: \$100-\$150 per tons of cooling
- Ductless Mini-Split Air Conditioner: \$100-\$150 per tons of cooling
- Evaporative-Cooled Central Air Conditioner: \$200.00 per tons of cooling
- Heat Pump: \$250 per tons of cooling
- Whole House Fan: \$300 per unit
- Refrigerant Charge and Tune-Up: \$20 per tons of cooling
- Variable-Speed Pool Pump: \$250 per unit
- Air/Duct Sealing Testing: \$20 - \$150

Summary

Lodi Electric Utility (LEU) offers several residential energy efficiency programs, including the Appliance Rebate Program and the Home Improvement Rebate Program.

Customers will be required to submit a signed application with a copy of a paid receipt. Rebates less than \$300 will be applied as a credit on customer's City of Lodi utility account. All rebate requests must be received within 6 months of purchase/installation. All rebates are subject to availability of funds.

Los Angeles County - Green Building Program

Los Angeles County - Green Building Program

(213) 974-6411

Incentive Type: Building Energy Code

Applicable Sectors:

Commercial, Construction, Industrial, Local Government, Nonprofit, Residential, Schools, Multifamily Residential, Institutional

Technology:

Comprehensive Measures/Whole Building

Solar - Passive, Solar Water Heat, Solar Space Heat, Solar Photovoltaics, Wind (All), Biomass, Fuel Cells using Non-Renewable Fuels, Daylighting, Hydroelectric (Small), Fuel Cells using Renewable Fuels

Summary

In November 2008, the Los Angeles County Board of Supervisors adopted a series of ordinances which created the Green Building Program. The ordinances included the Green Building Ordinance (2008-0065), the Drought Tolerant Ordinance (2008-0064), and the Low Impact Development Ordinance (2008-0063). These standards are updated periodically, and apply to new buildings constructed in Los Angeles County. If a reconstruction of a building exceeds 50% of its market value, it is subject to green building requirements. Registered historic sites and agricultural accessory buildings are exempt from the requirements. Requirements vary depending on the size and use of the building, as well as the date on which the building permit was filed. See above or the program web site for details.

CalGreen, part of the California Building Standards Code, became effective on January 2, 2017. CalGreen mandates green building requirements throughout the state of California.

Los Angeles County - WECS-N and Temp Met Towers

<https://file.lacounty.gov/SDSInter/bos/supdocs/97129.pdf>

(510) 748-3947

Incentive Type: Solar/Wind Permitting Standards

Applicable Sectors:

Local Government, Residential, Agricultural

Technology:

Wind (All)

Summary

Title 22 – Planning and Zoning of the Los Angeles County Code establishes development standards for non-commercial wind energy conversion systems (WECS-N) and temporary meteorological towers. The ordinance requires a conditional use permit prior to the installation of a non-commercial wind energy conversion system in the unincorporated areas of the county, and it establishes a procedure for the director of planning to grant a minor conditional use permit for applications that are limited in scope and impacts.

Temporary meteorological tower (Temp Met Tower): A facility that consists of a tower and related wind-measuring devices which is used solely to measure winds, temperature, and humidity preliminary to construction of a non-commercial wind energy conversion system.

Wind energy conversion system, non-commercial (WECS-N): A facility consisting of a tower, wind turbine generator with blades, guy wires and anchors, and associated control and conversion electronic equipment to convert wind movement into electricity, with a rated capacity of not more than 50 kW; and that is incidental and subordinate to another use on the same parcel. A facility should be considered a WECS-N only if it supplies electrical power solely for on-site use, except that when a parcel on which a WECS-N is installed also receives electrical power supplied by an utility company, excess electrical power generated by the WECS-N and not presently needed for on-site use may be used by the utility company in exchange for a reduction in the cost of electrical power supplied by that company to the parcel for on-site use, as long as no net revenue is produced by such excess electrical power.

Low Income Home Energy Assistance Program (LIHEAP)

<https://www.acf.hhs.gov/ocs/low-income-home-energy-assistance-program-liheap>

(866) 674-6327

Incentive Type: Grant Program

Funding Source:

- U.S. Dept. of Health and Human Services

Applicable Sectors:

Tribal Government, Low Income Residential

Summary

The Low Income Home Energy Assistance Program (LIHEAP) provides resources to assist families with energy costs. This federally funded assistance helps in managing costs associated with: Home energy bills | Energy crises | Weatherization | and energy-related minor home repairs

The program is available in all 50 U.S. states, Indian Tribe or Tribal organization and U.S. territories that include: American Samoa, Guam, the Northern Mariana Islands, Puerto Rico and the Virgin Islands.

The LIHEAP statutes establish 150 percent of the poverty level as the maximum income level allowed in determining LIHEAP income eligibility, except where 60 percent of the state median income is higher. Income eligibility criteria for LIHEAP may not be set lower than 110 percent of the poverty level.

Marin Clean Energy - Feed-In Tariff Plus

<https://www.mcecleanenergy.org/feed-in-tariff/>

Incentive Type: Feed-in Tariff

Incentive Amount:

- Renewable Energy Systems: \$60 per MWh
- 20-year term Energy Storage: \$9 per kW-mo

Applicable Sectors:

Commercial, Industrial, Nonprofit, Federal Government, Agricultural

Technology:

Lithium-ion Storage

Geothermal Electric, Solar Thermal Electric, Solar Photovoltaics, Wind (All), Biomass, Municipal Solid Waste, Landfill Gas, Tidal, Wave, Hydroelectric (Small), Anaerobic Digestion, Fuel Cells using Renewable Fuels

Summary

Marin Clean Energy (MCE), a Community Choice Aggregator, provides an incentive for its customers to install renewable energy systems through the Feed-In Tariff (FIT) Plus Program. MCE will pay for all energy, environmental attributes, capacity, and if applicable, storage-related services and attributes delivered by the system at a fixed rate based on metered energy quantities multiplied by the applicable contract price for the delivery term.

The contract price is scheduled to step down over time as the installed capacity of all participating systems increases. As of May 2024 there are 10.8 MW remaining on the 5th of 6 steps, with an energy price of \$60 per MWh. All systems must be paired with energy storage with a capacity equal to at least 180% of the AC inverter nameplate of the system. Storage must be of 4 hour duration.

Marin County - Natural Gas Appliance Replacement Rebate Program

<https://www.marincounty.org/depts/cd/divisions/sustainability/electrify>

(415) 473-3069

Incentive Type: Rebate Program

Incentive Amount:

- **Standard Rebate**
- Heat Pump Water Heater: \$1,000
- Central Heat Pump: \$1,000
- Mini-Split Heat Pump: \$800
- Induction Range (Cooktop & Oven): \$500
- Induction Cooktop only: \$250
- Service Panel Upgrade: \$500
- **Income Qualified Rebate**
- Heat Pump Water Heater: \$2,000
- Central Heat Pump: \$2,000
- Mini-Split Heat Pump: \$1,600
- Induction Range (Cooktop & Oven): \$500
- Induction Cooktop only: \$250 S
- Service Panel Upgrade: \$1,000

Applicable Sectors:

Residential, Low Income Residential

Technology:

Water Heaters, Heat pumps, Other EE

Marin County - Solar Easement and Access Laws

<https://www.irs.gov/credits-deductions/alternative-fuel-vehicle-refueling-property-credit>

(415) 499-6269

Incentive Type: Solar/Wind Access Policy

Applicable Sectors:

Commercial, Industrial, Residential

Technology:

Solar - Passive

Summary

Marin County's Energy Conservation Code is designed to assure new subdivisions provide for future passive or natural heating or cooling opportunities in the subdivision to the extent feasible. Streets, lots, and building setbacks must be designed so that habitable buildings are oriented with their long axis running east to west (with a possible variation of thirty degrees to the southwest and thirty degrees to the southeast) for the purpose of solar access. The planning director or planning commission may require solar access easements or restrictive covenants to protect solar access.

Modesto Irrigation District - Commercial Energy Efficiency Rebate Program

<https://www.irs.gov/credits-deductions/alternative-fuel-vehicle-refueling-property-credit>

(209) 526-7339

Incentive Type: Rebate Program

Incentive Amount:

- **Refrigeration**
- Vending Machine Controller: \$90
- Plastic Swinging Doors: \$6/sq. ft.
- Night Covers for Vertical/Horizontal Cases: \$2.75/linear foot
- ENERGY STAR ® Commercial Ice Machines: \$40-\$190
- **Appliances**
- Room A/C: \$50
- Tank Storage Water Heater: \$75
- Heat Pump Storage Water Heater: \$500
- **Lighting**
- LED Lamps: \$4-\$6
- Exterior Security Lighting: \$15-\$45/fixture
- Case Lighting: \$5/linear foot
- Accent/Directional Lighting: \$22.50/fixture
- Signage: \$1.50-\$4.50/ft.
- Occupancy Sensors: \$3.75-\$41.00/sensor
- Photocells: \$8.00/cell
- Plug Load Occupancy Sensors: \$11.25

- **HVAC & Air Conditioning Package**
- Terminal A/C & Heat Pump: \$75
- Ductless Mini-Split A/C: \$250
- Ductless Mini-Split Heat Pump: \$350
- Variable Frequency Drives for HVAC Fans: \$70/hp
- Smart Thermostat: \$50
- Unitary Split-System & Single-Package A/C & Heat Pump: \$120-\$160/ton
- Variable Refrigerant Flow Multi-Split A/C & Heat Pump: \$125-\$140/ton
- **Window Sun Shading**: \$1.00/sq. ft.
- Pool Filtration Pump: \$400
- **Electric Vehicle Charger Level 2 Electric Vehicle Charger**: Up to \$500 per charger (Limit 6)

Applicable Sectors:

Commercial, Industrial, Agricultural

Technology:

Water Heaters, Lighting, Lighting Controls/Sensors, Heat pumps, Air conditioners, Programmable Thermostats, Windows, Doors, Motor VFDs, Comprehensive Measures/Whole Building, Custom/Others pending approval, Vending Machine Controls, Pool Pumps, LED Lighting, Commercial Refrigeration Equipment

Summary

Modesto Irrigation District's Commercial Power Saver Rebate Program offers incentives to commercial, industrial, and agricultural customers for the purchase and installation of qualifying energy efficient products. Rebates are available for a wide variety of products, including: lighting, refrigeration, HVAC and air conditioning, high efficiency motors, and window sun shades.

Qualifying products must be installed before submitting an application. All installations may receive and inspections before and after installation. MID's program is extensive and well documented, please review the program's website and supporting documents for specific details and requirement or contact MID directly.

Modesto Irrigation District - Commercial New Construction Rebate Program

<http://www.mid.org/rebates/commercial/default.html>

(209) 526-7339

Incentive Type:Rebate Program

Incentive Amount:

- **Whole Building Approach**
- The greater of \$400/kW reduced or \$0.12/kWh reduced
- **Systems Approach**
- Lighting: \$250/kW reduced or \$0.08/kWh reduced
- Air Conditioning & Refrigeration: \$500/kW reduced or \$0.15/kWh reduced
- Other Equipment: \$300/kW reduced or \$0.10/kWh reduced

Applicable Sectors:

Commercial, Industrial, Federal Government, Agricultural

Technology:

Custom/Others pending approval

Summary

The MPower Business: New Construction Business Rebate Program is available to commercial, industrial, or agricultural customers that presently or will receive electric service from MID. Accounts billed on FL or SL rate schedules are not eligible for this program.

Rebates are offered either through a whole building approach or systems approach. Both the whole building and systems approach offer rebates on a \$/kWh annual energy use reduction or \$/kW peak load reduction. The systems approach incentives offers varying rebate amounts for the system of interest, while the whole building approach offers a single incentive amount for all projects.

Modesto Irrigation District - Electric Vehicle Charger Rebate Program

<https://www.mid.org/rebates/ev/default.html>

(209) 526-7337

Incentive Type: Rebate Program

Incentive Amount:

- \$500

Applicable Sectors:

Commercial, Industrial, Residential, Federal Government, Agricultural, Multifamily Residential, Low Income Residential

Technology:

Level-2 Electric Vehicle Service Equipment

Modesto Irrigation District - Residential Electric Vehicle Charger Rebate Program

<https://www.mid.org/rebates/home/default.html>

(209) 526-7339

Incentive Type: Rebate Program

Incentive Amount:

- Level 2 Electric Vehicle Charger: Up to \$500 per charger

Applicable Sectors:

Residential

Technology:

Level-2 Electric Vehicle Service Equipment

Modesto Irrigation District - Residential Energy Efficiency Rebate Program

<http://www.mid.org/rebates/home/default.html>

(209) 526-7339

Incentive Type: Rebate Program

Incentive Amount:

- **Home Cooling**

- Central AC: \$350 - \$600
- Heat Pump: \$450 - \$700
- Mini-Split AC: \$250 per unit
- Mini-Split Heat Hump: \$350 per unit
- Whole House Fan: \$100 per unit
- Solar Attic Fan: \$50 - \$100 per unit
- Smart Thermostat: \$50

- **General Improvement**

- Attic Insulation: \$0.17 per sq ft
- Radiant Barrier (Attic or Roof): \$0.10 per sq ft

- **Appliances**

- Room AC: \$50 per unit
- Clothes Washer: \$35
- Induction Cooktop: \$100
- Heat Pump Water Heater: \$500

- **Window Sun Shading**

- Sunscreens/Window Film: \$1.00 per sq. ft.
- Energy Star Replacement Window: \$2.00 per sq. ft.
- Pool Pump/Motor: \$200
- Level 2 EV Charger: \$500

Maximum Incentive:

- Central Air Conditioner / Heat Pump: Limit 2
- Ductless Mini Split Air Conditioner / Heat Pump: Limit 4 \$1,050 rebate maximum
- Whole House Fan: Limit 2
- Solar Attic / Gable Fan: Limit 2
- Thermostat: Limit 2
- Attic Insulation: Maximum rebate of \$850, per household
- Radiant Barrier: Maximum rebate of \$500, per household
- Clothes Washer: Limit 1
- Room Air Conditioner: Limit 2
- Cooktop: Limit 1
- Heat Pump Storage Water Heater: Limit 1
- Refrigerator Recycling: Limit 2 per household
- Pool Pump: Limit 2

Applicable Sectors:

Residential

Technology:

Clothes Washers, Water Heaters, Heat pumps, Air conditioners, Programmable Thermostats, Duct/Air sealing, Building Insulation, Windows, Motors, Motor VFDs, Pool Pumps

Summary

Modesto Irrigation District's Home Rebate Program offers residential customers cash rebates for the purchase and installation of qualifying energy efficient products installed in existing homes. Rebates are available for equipment meeting program efficiency standards which were purchased within the eligible time period.

Modified Accelerated Cost-Recovery System (MACRS) - Federal

(800) 829-1040

Incentive Type: Corporate Federal Depreciation

Applicable Sectors:

Commercial, Industrial, Agricultural

Technology:

Level-2 Electric Vehicle Service Equipment, Direct Current Fast Charging Equipment
Solar Water Heat, Solar Space Heat, Geothermal Electric, Solar Thermal Electric, Solar Thermal Process Heat, Solar Photovoltaics, Wind (All), Biomass, Geothermal Heat Pumps, Municipal Solid Waste, Combined Heat & Power, Fuel Cells using Non-Renewable Fuels, Landfill Gas, Tidal, Wave, Ocean Thermal, Wind (Small), Geothermal Direct-Use, Anaerobic Digestion, Fuel Cells using Renewable Fuels, Microturbines

Summary

Under the federal Modified Accelerated Cost-Recovery System (MACRS), businesses may recover investments in certain property through depreciation deductions. The MACRS establishes a set of class lives for various types of property, ranging from three to 50 years, over which the property may be depreciated. A number of renewable energy technologies are classified as five-year property (26 USC § 168(e)(3)(B)(vi)) under the MACRS, which refers to 26 USC § 48(a)(3)(A), often known as the energy investment tax credit or ITC to define eligible property.

Bonus Depreciation has been sporadically available at different levels during different years. Most recently, The Tax Cuts and Jobs Act of 2017 increased bonus depreciation to 100% for qualified property acquired and placed in service after September 27, 2017 and before January 1, 2023. Bonus depreciation steps down by 20% each year beginning with 80% in 2023.

Net Metering / Net Billing - California

<https://www.cpuc.ca.gov/industries-and-topics/electrical-energy/demand-side-management/net-energy-metering>

Incentive Type: Net Metering

Applicable Sectors:

Commercial, Industrial, Local Government, Nonprofit, Residential, Schools, State Government, Federal Government, Agricultural, Institutional

Technology:

Lithium-ion Storage

Geothermal Electric, Solar Thermal Electric, Solar Photovoltaics, Wind (All), Biomass, Municipal Solid Waste, Fuel Cells using Non-Renewable Fuels, Landfill Gas, Tidal, Wave, Ocean Thermal, Wind (Small), Hydroelectric (Small), Anaerobic Digestion, Fuel Cells using Renewable Fuels

Summary

Production and consumption are netted instantaneously at a time-varying rate based on the avoided cost.

Customer owns RECs. If customer receives payment for net excess generation at the end of a 12-month cycle, utility owns RECs associated with those electricity credits.

Customer generators who submit interconnection applications on or after April 15, 2023 must take service under the new net billing tariff established by the CPUC in December 2022.

California's net-metering law originally took effect in 1996 and applies to all utilities except LADWP. However, a number of publicly-owned utilities have reached the aggregate capacity limit for NEM 2.0 and have adopted a successor tariff of their own design.

Office of Indian Energy Policy and Programs - Funding Opportunities

<https://www.energy.gov/indianenergy/office-indian-energy-policy-and-programs>

(240) 562-1352

Incentive Type: Grant Program

Applicable Sectors:

Tribal Government

Technology:

Solar Water Heat, Solar Space Heat, Geothermal Electric, Solar Photovoltaics, Wind (All), Biomass, Hydroelectric, Wind (Small)

Refrigerators/Freezers, Water Heaters, Lighting, Lighting Controls/Sensors, Chillers, Furnaces, Boilers, Air conditioners, Programmable Thermostats, Energy Mgmt. Systems/Building Controls, Caulking/Weather-stripping, Duct/Air sealing, Building Insulation, Windows, Siding, Roofs, Comprehensive Measures/Whole Building, Other EE

Summary

The U.S. Department of Energy's (DOE) Office of Indian Energy Policy and Programs promotes tribal energy sufficiency, economic growth, and employment on tribal lands through the development of renewable energy and energy efficiency technologies. The program provides financial assistance, technical assistance, and education and training to tribes for the evaluation and development of renewable energy resources and energy efficiency measures.

DOE's program offerings consist of program management through DOE headquarters, program implementation and project management through DOE's field offices, and technical support through DOE laboratories. Program management is carried out by DOE's Weatherization and Intergovernmental Program, which provides programmatic direction and funding to DOE field offices for program implementation. DOE's Golden Field Office solicits, awards, administers, and manages financial assistance agreements.

Orange County - Development Standards for Small Wind Energy Systems

(714) 667-8888

Incentive Type: Solar/Wind Permitting Standards

Applicable Sectors:

Commercial, Residential, Agricultural

Technology:

Wind (All), Wind (Small)

Summary

In December 2010, the County of Orange Board of Supervisors adopted small wind performance and development standards (Ord. No. 10-020) in order to promote distributed generation systems in non-urbanized areas (as defined in Government Code Section 65944(d)(2)) within the unincorporated territory. Permitting standards are for systems of 50 kW or less per customer site, for which the energy is primarily for on-site consumption.

Wind turbine systems must meet minimum California Energy Commission ratings and Federal Aviation Administration (FAA) requirements. All parts of the turbine blade must be at least 15 feet from the ground. Towers cannot have a climbing apparatus below twelve feet above the ground.

Systems cannot block the view of adjacent property owners and cannot be visible from a scenic highway or a landscape corridor. No lighting of the tower is permitted except as required by the FAA, Federal Communications Commission, or building codes. Wind system accessory structures should be screened using landscaping.

Pacific Power - Residential Energy Efficiency Rebate Programs

<https://wattsmartsavings.net/california-residential/>

(800) 942-0266

Incentive Type: Rebate Program

Incentive Amount:

- **Appliances**
- Clothes Washers: \$20/unit
- Clothes Dryer: \$50/unit
- Refrigerator and Freezer: \$20/unit
- Room Air Cleaner: \$40/unit Room
- A/C: \$40/unit Smart Connected
- Power Strip: \$30/unit
- **Other**
- Heat Pump Water Heaters: Up to \$400/unit
- Heat Pump Conversion: \$2,500
- Ductless Heat Pump: \$1,000
- New Homes Whole Home: Up to \$5,000/unit
- Smart Thermostat: \$50/unit
- Brushless Fan Motor: \$15/ton

Applicable Sectors:

Residential, Multifamily Residential

Technology:

Clothes Washers, Water Heaters, Programmable Thermostats, Comprehensive Measures/Whole Building

Summary

Pacific Power offers the Home Energy Savings Program for their residential California customers to improve the efficiency of their homes. Incentives are also available for contractors and newly built Energy Star homes that meet specific requirements listed on the program web site. Incentives are available for a variety of energy efficiency measures, including clothes washers, refrigerators, dish washers, water heaters, lighting, evaporative coolers, central AC units, and heating/cooling tune-ups. All appliances must be Energy Star and all other equipment must meet certain energy efficient standards listed on the program web site. Interested customers should consult the program web site for eligibility, participating retailers, and program applications. Incentive applications must be submitted, accompanied by an itemized invoice, within 90 days of equipment purchase or installation.

Pacific Power - wattsmart Business

<https://www.irs.gov/credits-deductiohttps://www.pacificpower.net/savings-energy-choices/business/wattsmart-efficiency-incentives-california.htmlns/alternative-fuel-vehicle-refueling-property-credit>

(800) 222-4335

Incentive Type: Rebate Program

Incentive Amount:

- **HVAC Equipment**: Varies widely.
- **Lighting**
 - LED Lamps: \$1.50 - \$30/lamp
 - Lighting Retrofit: \$0.09 - \$0.46/kWh
 - Non-general Illuminance: \$1.50 - \$14/linear ft.
 - Interior Lighting: \$0.74 - \$30/fixture
 - Controlled Environment Agriculture: \$0.12/kWh
- **Motors and Drives**
 - Electronically Commutated Motors: \$50 - \$200
 - Variable-Speed Drives: \$120/HP
 - Green Motor Rewinds: \$1/HP
- **Food Service Equipment**: Varies widely.
- **Compressed Air**
 - VFD Controlled Compressor: \$0.15/kWh annual energy savings
- **Appliance**
 - Clothes Washer: \$50
 - Heat Pump Water Heater: \$500
- **Wastewater and Refrigeration**
 - Wastewater – low power mixer: \$0.15/kWh annual energy savings
 - Adaptive refrigeration control: \$0.15/kWh annual energy savings
 - Fast Acting Door: \$0.15/kWh annual energy savings

Applicable Sectors:

Commercial, Industrial, Local Government, Nonprofit, State Government, Federal Government, Agricultural, Institutional

Technology:

Geothermal Heat Pumps Building Envelope, Appliances, Irrigation, Farm/Dairy, Energy Management

Clothes Washers, Water Heaters, Lighting, Lighting Controls/Sensors, Chillers, Heat pumps, Air conditioners, Compressed air, Building Insulation, Windows, Doors, Roofs, Motors, Motor VFDs, Agricultural Equipment, Food Service Equipment, LED Lighting, Commercial Refrigeration Equipment

Summary

Pacific Power's wattsmart Business Program includes incentives and technical assistance for lighting, HVAC and other equipment upgrades that increase energy efficiency and exceed code requirements in a variety of commercial and industrial facilities.

Partial Sales and Use Tax Exemption for Agricultural Solar Power Facilities

<https://www.cdtfa.ca.gov/formspubs/pub235g.pdf>

(800) 400-7115

Incentive Type: Sales Tax Incentive

Incentive Amount:

- 100% of the taxes levied by the State. Local and district sales taxes will still apply.

Applicable Sectors:

Agricultural

Technology:

Solar Photovoltaics

Summary

California provides a partial exemption of the state's sales and use tax for farm equipment and machinery. The exemption only applies to taxes levied by the State, and not sales and use taxes levied by local governments. Further, the exemption does not apply to the taxes imposed or administered pursuant to sections 6051.2 and 6201.2 of the Revenue and Taxation Code, the Bradley-Burns Uniform Local Sales and Use Tax Law, the Transactions and Use Tax Law, or section 35 of article XIII of the California Constitution.

Leased equipment also qualifies for the partial exemption.

The California State Board of Equalization issued a Special Notice in November 2012, clarifying that photovoltaic (PV) systems that are used to provide electricity to farm equipment and machinery may qualify for the partial exemption. For any farm equipment or machinery to qualify for the partial exemption, it must be used primarily in producing and harvesting agricultural products. "Primarily" means 50% or more of the time. In the case of PV, according to the Special Notice, 50% or more of the electricity produced by the system must be used to provide power to farm equipment and machinery. The system does not need to be directly connected to the equipment to qualify. The system can be connected to the local electrical grid and used to offset the farm's electrical use through a net metering arrangement with the local utility. Applicants will need to demonstrate, however, that the farm equipment annually consumes at least half of the amount of electricity annually produced by the PV system.

Partial Sales and Use Tax Exemption for Zero-Emission Transit Buses

<https://www.cdtfa.ca.gov/formspubs/l716.pdf>

Incentive Type: Sales Tax Incentive

Incentive Amount:

- 100% reduction in sales tax

Applicable Sectors:

Commercial

Technology:

Electric Transit Buses

Summary

Zero-emission transit buses are exempt from state sales and use taxes when sold to public agencies eligible for the Low Emission Truck and Bus Purchase Vouchers.

Pasadena Water and Power - Commercial Charger Incentive Program

<https://ww5.cityofpasadena.net/water-and-power/commercialchargerrebate/>

(626) 744-7311

Incentive Type: Rebate Program

Incentive Amount:

- Level 2 EVSE: \$3,000
- Double Incentive Bonus for Qualified locations: \$6,000
- Non-Network Charging Stations: \$1,500

Applicable Sectors:

Commercial

Technology:

Level-2 Electric Vehicle Service Equipment, Direct Current Fast Charging Equipment

Summary

Pasadena Water and Power offers its commercial customers incentives for the installation of EV charging equipment.

Pasadena Water and Power - Commercial Energy Efficiency Rebate Program

<https://ww5.cityofpasadena.net/water-and-power/businessrebateprogram/>

(626) 744-4005

Incentive Type: Rebate Program

Incentive Amount:

- **Lighting**
- LED Lights: varies by size and fixture
- Lighting Sensor Control: \$20 per sensor
- **Variable Frequency Drives**
- Garage Exhaust Fan Control: \$400 per horsepower
- Chilled Water Pump Control: \$200 per horsepower
- r Condenser Water Pump Control: \$50 per horsepower
- Cooling Tower Fan Control: \$50 per horsepower
- HVAC Fan Control: \$50 per horsepower
- Pool Pumps: \$800 per unit
- **Window Film**: \$1.35/sq. ft.
- **AC, Water, Laundry**
- HVAC <5 tons: \$50 per ton
- HVAC >5 tons: \$10 per ton
- .Heat Pump: \$250 per ton
- Heat Pump Fuel Substitution: \$600 per unit
- Heat Pump Clothes Dryer: \$300 per unit
- Heat Pump Water Heater: \$500 per unit
- Heat Pump Water Heater Fuel Substitution: \$1,00
- **Restaurant Equipment**: Varies by equipment type

Applicable Sectors:

Commercial, Industrial, Nonprofit, Schools, Agricultural, Institutional

Technology:

Clothes Washers, Refrigerators/Freezers, Water Heaters, Lighting, Lighting Controls/Sensors, Heat pumps, Air conditioners, Windows, Custom/Others pending approval, Vending Machine Controls, Commercial Cooking Equipment, Pool Pumps, LED Lighting, HVAC

Summary

Pasadena Water & Power offers the Energy Efficiency Partnering (EEP) program for its non-residential customers to save energy in facilities. Under the EEP program, any permanently installed energy-saving retrofit project may qualify for a rebate incentive. The more cost-effective and energy-saving the project is, the higher the rebate. The total standard rebate received may not exceed \$24,000, or %25 of cost, per metered account per fiscal year.

Pasadena Water and Power - Residential Electric Vehicle and Charger Incentive Program

<https://ww5.cityofpasadena.net/water-and-power/residentialevrebate/>

(626) 744-7311

Incentive Type: Rebate Program

Incentive Amount:

- PEV: \$250, plus \$250 bonus rebate if purchased from a Pasadena dealer;
- \$1,000 bonus for income-qualified customers
- Residential charger: \$600 rebate with installation of qualifying “Wi-Fi enabled” EV charger;
- \$200 rebate for installation of a standard (Non Wi-Fi) EV charger

Applicable Sectors:

Residential, Low Income Residential

Technology:

Passenger Electric Vehicles, Level-2 Electric Vehicle Service Equipment

Summary

Pasadena Water and Power offers a variety of rebates for residential customers who purchase or lease new or used plug-in electric vehicles or electric vehicle chargers.

Pasadena Water and Power - Residential Energy Efficiency Rebate Program

<https://ww5.cityofpasadena.net/water-and-power/savemoney/>

(626) 744-7311

Incentive Type: Rebate Program

Incentive Amount:

- Many incentive amounts increase with purchase from Pasadena retailers
- Home Appliance Program
- Refrigerators: Up to \$80
- Dishwasher: Up to \$30
- Clothes Washer: \$300
- High-Efficiency Toilet: Up to \$100
- Refrigerator Recycling: Free
- Heating & Cooling Systems
- Smart Thermostat: Up to \$60
- Air Conditioners (SEER) 15.0-18.9: Up to \$120 per ton
- Air Conditioners (SEER) 19 <: Up to \$140 per ton
- Room A/C: Up to \$50 per room
- Ceiling Fan: Up to \$45 per room
- Solar Attic Fan: Up to \$100 per unit
- Whole House Fan: Up to \$100
- AC Tune-up: Up to \$40 annually
- Heat Pump: Up to \$190 per ton
- Insulation & Building Projects
- Wall Insulation: Up to \$0.15 per square foot
- Ceiling Insulation: Up to \$ 0.15 per square foot

- **Landscaping and Pools**

- Turf Replacement: \$2.00 per square foot
- Rain Barrel: \$100 per barrel
- Cisterns: Up to \$600 (based on gallonage)
- Sprinkler Head: Up to \$7.00 per nozzle (minimum 30 nozzels)
- Weather-Based Irrigation Controller: Up to \$250 per controller, or \$60 per station
- Soil Moisture Sensor System: Up to \$250 per controller, or \$60 per station
- Pool Pump: Up to \$250 per pump
- Laundry-to-Landscape Greywater: See website for details
- Shade Trees: up to \$30 per tree

- **Electrify Your Home Program**

- Electric Heat Pump Water Heater: Up to \$520
- Electric Clothes Dryer: Up to \$220
- Electric Water Heater: Up to \$420
- Electric Range Oven: Up to \$220
- Electric Heat Pump: Up to \$190 per ton
- Electric Heat Pump Clothes Dryer: Up to \$320
- Electric Wall Oven: Up to \$220
- Electric Wall Panel: Up to \$1,500
- Level II EV Charger: Up to \$600 per unit
- Electric Vehicle: Up to \$2,000

Applicable Sectors:

Residential

Technology:

Clothes Washers, Dishwasher, Refrigerators/Freezers, Ceiling Fan, Water Heaters, Heat pumps, Air conditioners, Programmable Thermostats, Building Insulation, Windows, Doors, Roofs, Agricultural Equipment, Comprehensive Measures/Whole Building, Insulation, Reflective Roofs, Pool Pumps, Building Systems, HVAC

Summary

Pasadena Water and Power (PWP) offers rebates to residential customers on a wide variety of energy efficient technologies. Customers who purchase equipment from retailers located in Pasadena receive a larger rebate amount.

PG&E - EV Fast Charge Program

https://www.pge.com/en_US/large-business/solar-and-vehicles/clean-vehicles/ev-charge-network/ev-fast-charge.page?WT.mc_id=Vanity_evfastcharge

(800) 468-4743

Incentive Type: Rebate Program

Incentive Amount:

- up to \$25,000 in disadvantaged communities

Applicable Sectors:

Commercial

Technology:

Direct Current Fast Charging Equipment

Summary

PG&E will install, own, and operate fast chargers at participating parking lots that agree to the program requirements, including granting public access to the parking spaces 24 hours a day, 7 days a week. Additionally, sites in disadvantaged communities may qualify for a rebate of up to \$25,000 per charger.

PG&E - EV Fleet Program

https://www.pge.com/en_US/large-business/solar-and-vehicles/clean-vehicles/ev-fleet-program/ev-fleet-program.page?ctx=small-medium-business

(800) 468-4743

Incentive Type: Rebate Program

Incentive Amount:

- **Vehicles** (limited to 25 vehicles per site; sites with more vehicles to be considered on an individual basis)
- Transit buses and Class 8 vehicles: \$9,000 per vehicle
- Transportation refrigeration units (TRU), truck stop electrification (TSE), airport ground support equipment (GSE), and forklifts: \$3,000 per vehicle
- School buses, local delivery trucks, and other vehicles: \$4,000 per vehicle
- **Chargers** (Charging equipment rebates for school buses, transit buses and disadvantaged communities. Rebate not to exceed 50% of charger equipment. EVSE must meet minimum and standard requirements to be eligible for rebate. Fortune 1000 companies are not eligible.)
- Chargers (up to 50 kW): 50% of the cost of EV charger, up to \$15,000
- Chargers (50.1 kW - 149.9 kW): 50% of the cost of EV charger, up to \$25,000
- Chargers (150 and above): 50% of the cost of EV charger, up to \$42,000

Applicable Sectors:

Commercial

Technology:

Medium-Duty Electric Vehicles, Heavy-Duty Electric Vehicles, Electric School Buses, Electric Transit Buses, Level-2 Electric Vehicle Service Equipment

PG&E - Multifamily Residential Energy Savings Rebate Program

<https://multifamilyesp.com/>

Incentive Type: Rebate Program

Incentive Amount:

- **Upgrade Incentives**
- Auto-diverting Tub Spout w/ Thermostatic Shut-Off Showerhead - \$40/unit
- Domestic Hot Water Loop Controller - \$20/unit
- Heat Pump Water Heater - \$300/unit
- High Performance Circulator Pump - \$50/unit
- Low Flow Shower Head - \$5 - \$15/unit (1.7 - 1.0 GPM)
- Thermostatic Shower Spout w/ Low Flow Shower Head - \$15 - \$25/unit (1.5 - 1.0 GPM)
- Ductless Minisplit Heat Pump - \$177 - \$247/ton (15 - 18 SEER Rating)
- Gas Fireplace - \$60 - \$120/unit
- High Efficiency Furnace w/ Variable Speed Motor - \$19 - \$56/unit (92% - 95% AFUE)
- ENERGY STAR Room AC - \$10 - \$20/unit
- Smart Thermostat - \$50/unit

Applicable Sectors:

Multifamily Residential

Technology:

Water Heaters, Heat pumps, Air conditioners, Programmable Thermostats, Energy Mgmt. Systems/Building Controls, Motor VFDs, Other EE, Pool Pumps

PG&E - Non-Residential Energy Efficiency Financing Program

<http://www.pge.com/en/mybusiness/save/rebates/onbill/index.page?>

(800) 468-4743

Incentive Type: Loan Program

Incentive Amount:

- Non-residential customers: \$5,000 - \$250,000
- unique opportunity loans: Up to \$4,000,000

Applicable Sectors:

Commercial, Industrial, Local Government, Nonprofit, Schools, State Government, Federal Government, Institutional

Technology:

Custom/Others pending approval

Summary

PG&E is providing 0% loans for energy efficiency projects pursued by their non-residential customers. Financing is available to fund many technologies, including lighting, HVAC, electric motors, LED street lights, refrigeration, food service equipment and water pumps. Projects may be eligible for financing if it qualifies for a rebate or incentive through a PG&E program.

Loan funds must be used to purchase and install qualifying energy-efficient equipment. Customers may use a contractor or self-install the equipment. PG&E will inspect the facility before the old equipment is removed, and again after the new products are operating.

Loan terms and monthly payment amounts are determined based on the equipment's estimated monthly savings. Non-residential customers may qualify for loans between \$5,000 and \$250,000 per premises, with loan periods of up to 120 months. Loans up to \$4,000,000 per premises may be available for projects where a unique opportunity to capture large energy savings exists.

The sum of the loan amounts for each customer premises shall not exceed two hundred and fifty thousand dollars (\$250,000) except where, in PG&E's sole opinion, unique opportunities to capture large energy savings exist and all other OBF loan program terms will be met, the sum of the loan amounts may exceed two hundred fifty thousand dollars (\$250,000) up to a maximum of four million dollars (\$4,000,000).

PG&E - Non-Residential Energy Efficiency Rebates

<http://www.pge.com/mybusiness/energysavingsrebates/rebatesincentives/>

(800) 468-4743

Incentive Type: Rebate Program

Incentive Amount:

- Pipe Insulation: \$3/linear foot
- Fitting Insulation: \$3/fitting
- Lighting: varies
- Variable Frequency Drive for HVAC Fan: \$80/hp
- Advanced Rooftop Ventilation Controls: Varies
- Agricultural Ventilation Fans: \$75 - \$200
- Ozone Laundry System: \$39/lb
- Modulating Gas Valve for On-Site Natural Gas Commercial Dryers: \$350/unit
- Commercial Pool and Spa Heater: \$2/MBtuh
- Ultra-Low Temperature Freezers: \$300 - \$600/unit
- Anti-Sweat Heater Controls: \$25/linear foot
- High-Efficiency Refrigeration Display Cases with Special Doors: \$75/linear foot
- New Display Cases to Replace Open Multi-Deck Refrigerated Displays: \$75 - \$175/linear foot

Applicable Sectors:

Commercial, Industrial, Schools, Agricultural

Technology:

Clothes Washers, Refrigerators/Freezers, Equipment Insulation, Lighting, Motor VFDs, Agricultural Equipment, Insulation, LED Lighting, Commercial Refrigeration Equipment, HVAC

Summary

Pacific Gas and Electric Company (PG&E) offers a variety of incentives to non-residential customers to increase energy efficiency. These include rebates for upgrading equipment for agricultural and food processing, HVAC, refrigeration, insulation, water heating and laundry equipment.

This program also offers custom rebate incentives based upon peak demand reduction and annual energy consumption reductions.

PG&E - Residential Energy Savings Rebate Programs

https://www.pge.com/en_US/residential/save-energy-money/savings-solutions-and-rebates/rebates-by-product/rebates-by-product.page

(800) 933-9555

Incentive Type: Rebate Program

Incentive Amount:

- Smart Thermostat: \$40 - \$75/household
- Time-of-Use Smart Thermostat rate plan: up to \$120
- Room Air Conditioner: \$20
- Heat pump water heater: \$500
- Gas tank water heater: \$75
- Generator or Battery: \$300

Applicable Sectors:

Residential

Technology:

Water Heaters, Heat pumps, Air conditioners, Programmable Thermostats

Summary

Pacific Gas and Electric Company (PG&E) offers a variety of rebates for residential customers who install energy efficient equipment in eligible homes. Prescriptive rebates are available for smart thermostats and generators/batteries. Further rebates for heating and cooling products are available through the Golden State Rebate Program.

PG&E GoGreen Business Energy Financing

https://www.pge.com/en_US/small-medium-business/save-energy-and-money/energy-efficiency-financing/small-business-finance.page

Incentive Type: Loan Program

Incentive Amount:

- The maximum Total Financed Amount is \$5 million.
- Interest rates, if applicable, may be fixed or variable.

Summary

PG&E supports GoGreen Business Energy Financing, a State of California administered program that provides private market financing with low interest rates and favorable terms.

Business that meet the following requirements are eligible: Employ 100 or fewer employees. Total annual revenue of less than \$15,000,000. Meet SBA small business size requirement of annual revenue up to \$41,500,000, depending on industry.

Plug-In Electric Drive Vehicle Tax Credit - Federal

<https://www.fueleconomy.gov/feg/taxevb.shtml>

Incentive Type: Personal Tax Credit

Incentive Amount:

- Vehicles purchased prior to 1/1/2023: \$2,500 plus \$417 for each kWh of battery capacity in excess of 4 kilowatt-hours
- Vehicles purchased after 12/31/2022: Up to \$7,500 if certain sourcing requirements are met
- \$7,500

Applicable Sectors:

Commercial, Industrial, Residential, Agricultural

Technology:

Passenger Electric Vehicles, Plug-in Electric Hybrid Vehicles

Summary

The federal government provides a tax credit for the purchase of a new all electric or plug-in hybrid electric vehicle. To qualify, the vehicle must be made by a manufacturer, have a gross vehicle weight rating of not more than 14,000 pounds, and be propelled to a significant extent by an electric motor which draws electricity from a battery which has a capacity of at least 4 kilowatt-hours (kWh) and is capable of being recharged from an external source.

The credit has a base value of \$2,500, and an additional value based on the capacity of the battery. The capacity-based credit is \$417 for each kWh of capacity in excess of 4 kWh, up to a combined maximum tax credit of \$7,500. The credit will begin to be phased out for each manufacturer in the second quarter following the calendar quarter in which a minimum of 200,000 qualified vehicles have been sold by that manufacturer for use in the United States.

Plumas-Sierra REC - Commercial and Irrigation Rebate Program

<https://www.psrec.coop/energy/rebates/>

(530) 832-4261

Incentive Type: Rebate Program

Incentive Amount:

- **Irrigation Incentives**
- NEMA Premium Efficiency Motor: \$10.00/horsepower
- Variable Frequency Drive: \$8.00/horsepower
- Irrigation Pump Test Rebate: Varies

Applicable Sectors:

Commercial, Industrial, Agricultural

Technology:

Plug-in Electric Hybrid Vehicles

Lighting, Motors, Motor VFDs, Agricultural Equipment, Custom/Others pending approval

Summary

Plumas-Sierra REC offers rebates for commercial, industrial and agricultural customers including commercial lighting rebates, custom incentives, and incentives for irrigation, as well as a Plug-in Electric Vehicle rebate when exchanging from Gas Powered Vehicle.

Previously-Owned Clean Vehicle Tax Credit - Federal

(510) 748-3947

Incentive Type: Personal Tax Credit

Incentive Amount:

- Lesser of 30% of cost or \$4,000

Applicable Sectors:

Residential, Multifamily Residential, Low Income Residential

Technology:

Passenger Electric Vehicles

Summary

Section 13402 of The Inflation Reduction Act of 2022 (H.R. 5376) established a tax credit for previously-owned clean vehicles purchased by a taxpayer after December 31, 2022. The credit is worth the lesser of \$4,000 or 30% of the sale price. The model year of the vehicle must be at least two years earlier than the calendar year in which the taxpayer acquires it, and the vehicle must have a gross vehicle weight of less than 14,000 pounds. The transaction must take place through a dealer and carry a sale price of \$25,000 or less, and be the first transfer since the establishment of this tax credit. The credit is not available for taxpayers with a modified adjusted gross income exceeding: \$150,000 for a joint filing, \$112,500 for a head of household, or \$75,000 for a single filing. Subject to additional regulations or other guidance the IRS may issue, for vehicles purchased after December 31, 2023, the purchaser may elect to transfer the tax credit to the dealer from which the vehicle is being purchased.

Property Tax Exclusion for Solar Energy Systems and Solar Plus Storage System

<http://www.boe.ca.gov/proptaxes/active-solar-energy-system.htm#Description>

(800) 400-7115

Incentive Type: Property Tax Incentive

Incentive Amount:

- 100% of system value; 75% of system value exemption for dual-use equipment

Applicable Sectors:

Commercial, Industrial, Residential

Technology:

Lithium-ion Storage

Solar Water Heat, Solar Space Heat, Solar Thermal Electric, Solar Thermal Process Heat, Solar Photovoltaics

Summary

Section 73 of the California Revenue and Taxation Code allows a property tax exclusion for certain types of solar energy systems installed between January 1, 1999, and December 31, 2024. This section was amended by AB 1451 in September 2008 to include the construction of an active solar energy system incorporated by an owner-builder in the initial construction of a new building that the owner-builder does not intend to occupy or use. This only applies if the owner-builder did not already receive an exclusion for the same active solar energy system and only if the initial purchaser purchased the new building prior to that building becoming subject to reassessment to the owner-builder. ABX1-15 of 2011 clarified that systems installed through sale-leaseback arrangements or partnership flip structures can benefit from this exclusion.

Qualifying active solar energy systems are defined as those that "are thermally isolated from living space or any other area where the energy is used, to provide for the collection, storage, or distribution of solar energy." These include solar space conditioning systems, solar water heating systems, active solar energy systems, solar process heating systems, photovoltaic (PV) systems, and solar thermal electric systems, and solar mechanical energy. Solar pool heating systems and solar hot-tub-heating systems are not eligible.

Components included under the exclusion include storage devices, power conditioning equipment, transfer equipment, and parts. Pipes and ducts that are used to carry both solar energy and energy derived from other sources qualify for the exemption only to the extent of 75% of their full cash value. Likewise, dual-use equipment for solar-electric systems qualifies for the exclusion only to the extent of 75% of its value.

Qualified Commercial Clean Vehicle Tax Credit - Federal

<https://www.irs.gov/credits-deductions/commercial-clean-vehicle-credit>

Incentive Type: Corporate Tax Credit

Incentive Amount:

- 30%

Applicable Sectors:

Commercial, Industrial, Local Government, Nonprofit, Cooperative Utilities, State Government, Tribal Government

Technology:

Passenger Electric Vehicles, Off-Road Electric Vehicles

Summary

Section 13403 of The Inflation Reduction Act of 2022 (H.R. 5376) established a tax credit for qualified commercial clean vehicles purchased on or after January 1, 2023. To qualify, the vehicle must have a gross vehicle weight rating of less than 14,000 pounds and have a battery rating of not less than 7 kilowatt hours. Mobile machinery, as defined in section 4053(8) (including vehicles that are not designed to perform a function of transporting a load over the public highways) can exceed the 14,000 pound weight limit, but must have a battery capacity of not less than 15 kilowatt hours. The tax credit is worth 30% of the cost, up to \$7,500 for vehicles less than 14,000 pounds, or \$40,000 for mobile machinery.

Section 13801 of The Inflation Reduction Act of 2022 also established procedures for other parties to monetize certain tax credits, including this one, for equipment placed in service on or after January 1, 2023 and through December 31, 2032.

The direct pay option allows non-taxable entities to directly monetize certain tax credits. The provisions apply to nonprofits, a state or political subdivision thereof, the Tennessee Valley Authority, Indian tribal governments (as defined in Section 30D(g)(9)), any Alaska Native Corporation (as defined in Section 3 of the Alaska Native Claims Settlement Act), or any corporation operating on a cooperative basis which is engaged in furnishing electric energy to persons in rural areas. Such applicable entities can elect to be treated as having made a tax payment equal to the value of the tax credit they would otherwise be eligible to claim. The entity can then claim a refund for the excess taxes they are deemed to have paid. The option effectively makes this tax credit refundable for these entities.

The act also allows eligible taxpayers to transfer all or a portion of their eligible tax credits to an unrelated taxpayer. Transfers must be reported to IRS and only one transfer is permitted. Must be elected no later than the due date for tax filing for the tax year the tax credit is claimed.

Redding Electric - Electric Vehicle Rebate Program

<https://www.cityofredding.org/departments/redding-electric-utility/reu-pages/energy-efficiency-rebate-program-residential>

Incentive Type: Rebate Program

Incentive Amount:

- Purchase or Lease of Electric Vehicle \$3,000 (must meet income requirements)
- DCFC Stations: \$6,000

Applicable Sectors:

Commercial, Industrial, Agricultural, Low Income Residential

Technology:

Passenger Electric Vehicles, Direct Current Fast Charging Equipment

Summary

Summary Redding Electric provides incentives for customers to purchase electric vehicles. Income-qualified customer can receive a rebate for the purchase of an electric vehicle, while commercial customers can receive a rebate for the purchase of direct current fast chargers.

Renewable Electricity Production Tax Credit (PTC) - Federal

<https://www.energy.gov/eere/solar/federal-solar-tax-credits-businesses>

(800) 829-1040

Incentive Type: Federal Corporate Tax Credit

Incentive Amount:

- Systems commencing construction on or after 2022 and meeting labor requirements, and systems under 1 MW
- Wind, Closed-Loop Biomass, Solar, Geothermal: \$0.0275/kWh Other eligible technologies: \$0.015/kWh
- Systems over 1 MW commencing construction on or after 2022 and NOT meeting labor requirements
- Wind, Closed-Loop Biomass, Solar, Geothermal: \$0.0055/kWh Other eligible technologies: \$0.003/kWh Applies to first 10 years of operation

Applicable Sectors:

Commercial, Industrial

Technology:

Geothermal Electric, Solar Thermal Electric, Solar Photovoltaics, Wind (All), Biomass, Hydroelectric, Municipal Solid Waste, Landfill Gas, Tidal, Wave, Ocean Thermal, Wind (Small), Hydroelectric (Small), Offshore Wind

Summary

The Inflation Reduction Act of 2022 (H.R. 5376) made several significant changes to this tax credit, including extending the expiration date, providing for new bonus credits, and establishing new criteria to qualify for the full credit. It also phases out this tax credit under section 45 of the Internal Revenue Code at the end of 2024 and replaces it with a new technology-neutral tax credit under section 45Y of the Internal Revenue Code. The summary below describes the current section 45 tax credit as modified by the Inflation Reduction Act, and below that, the new 45Y tax credit.

The federal renewable electricity production tax credit (PTC) is an inflation-adjusted per-kilowatt-hour (kWh) tax credit for electricity generated by qualified energy resources and sold by the taxpayer to an unrelated person during the taxable year. The duration of the credit is 10 years after the date the facility is placed in service.

Originally enacted in 1992, the PTC has been renewed and expanded numerous times, most recently by the Inflation Reduction Act of 2022. That bill established new prevailing wage and apprenticeship requirements for larger system to qualify for the full value of the tax credit -- 2.75 cents per kilowatt-hour (kWh) for wind, closed-loop biomass, solar, and geothermal energy; 1.5 cents per kWh for open-loop biomass facilities, small irrigation power facilities, landfill gas facilities and trash facilities. The Department of the Treasury issued Initial Guidance on these requirements on November 30, 2022 . According to law, the labor provisions apply to projects for which construction begins 60 days or more after Treasury publishes its guidance. Given the publishing date of November 30, 2022, the effective date for the labor provisions is January 30, 2023. The credit for different project types and available bonus credits is described below.

The Domestic Content Bonus increases the credit amount by 10% for projects in which 100% of any steel or iron that is a component of the facility and 40% of the manufactured products that are components of the facility were produced in the United States. Note, the required percentage of domestic manufactured products for offshore wind facilities is 20%. The IRS issued Notice 2023-38 in May 2023, which provided guidance on the domestic content bonus.

The Energy Community Bonus increases the credit amount by 10% for projects that are located at one of the following: (i) a brownfield site, (ii) a metropolitan or non-metropolitan statistical area which (A) has (or, at any time during the period beginning after December 31, 2009, had) 0.17% or greater direct employment or 25% or greater local tax revenues related to the extraction, processing, transport, or storage of coal, oil, or natural gas, or (B) has an unemployment rate above the national average for the previous year, or (iii) a census tract or a census tract that is adjoining a census tract in which a coal mine has closed after 1999 or a coal-fired electric generating unit was retired after 2009.

Renewable Market Adjusting Tariff (ReMAT)

<https://www.cpuc.ca.gov/industries-and-topics/electrical-energy/electric-power-procurement/rps/rps-procurement-programs/renewable-market-adjusting-tariff>

(415) 703-2692

Incentive Type:Feed-in Tariff

Incentive Amount:

- Varies by resource type, recalculated annually

Applicable Sectors:

Commercial, Industrial, Local Government, Nonprofit, Residential, Schools, State Government, Federal Government, Agricultural, Institutional

Technology:

Geothermal Electric, Solar Thermal Electric, Solar Photovoltaics, Wind (All), Biomass, Municipal Solid Waste, Landfill Gas, Tidal, Wave, Ocean Thermal, Hydroelectric (Small), Anaerobic Digestion, Fuel Cells using Renewable Fuels

Summary

All investor-owned utilities and publicly-owned utilities with 75,000 or more customers must make a standard Renewable Market Adjusting Tariff (ReMAT) available to their customers. As the ReMAT is meant to help the utilities meet California's renewable portfolio standard (RPS), all green attributes associated with the energy, including renewable energy credits (RECs), transfer to the utility with the sale. Any customer-generator who sells power to the utility under this tariff may not participate in other state incentive programs. The tariffs will be available until the combined statewide cumulative capacity of eligible generation installed equals 750 megawatts (MW) for the general ReMAT program, and 250 MW for the bioenergy ReMAT program. Each utility will be responsible for a portion of those cumulative totals based on their proportionate sales.

The CPUC has regulatory authority over the investor-owned utilities (IOUs), but not publicly-owned utilities. Therefore, the rules adopted by the CPUC do not apply to the publicly-owned utilities. Instead, the governing board of each publicly-owned utility is wholly responsible for developing their tariffs within the parameters established by the legislature in CA Public Utilities Code § 399.32 (formerly CA Public Utilities Code § 387.6). The collective share of the 750 MW program capacity established by the legislature for which the investor-owned utilities are responsible is 493.6 MW. The remaining 256.4 MW is to be divided between the publicly-owned utilities. Investor-owned utilities are solely responsible for the 250 MW bioenergy program.

Renewables Portfolio Standard

<https://www.cpuc.ca.gov/industries-and-topics/electrical-energy/electric-power-procurement/rps/rps-program-overview>

(916) 654-4881

Incentive Type: Renewables Portfolio Standard

Incentive Amount:

- 60% by December 31, 2030

Applicable Sectors:

Investor-Owned Utility, Municipal Utilities

Technology:

Geothermal Electric, Solar Thermal Electric, Solar Photovoltaics, Wind (All), Biomass, Municipal Solid Waste, Landfill Gas, Tidal, Wave, Ocean Thermal, Wind (Small), Hydroelectric (Small), Anaerobic Digestion, Fuel Cells using Renewable Fuels

Summary

SB 100, signed in September 2018, increased the overall requirement from 50% to 60% by 2030. The legislation also changed some of the rules related to the use of large hydro by Publicly Owned Municipal Utilities, and adopted an additional goal of 100% of all retail sales by 2045 come from renewable energy resources and zero-carbon resources.

The Energy Commission also maintains the Renewables Portfolio Standard Eligibility Guidebook, which describes the eligibility requirements and process for certifying renewable resources as eligible for California's RPS and describes the Energy Commission's implementation of a tracking system to verify compliance with the RPS.

To meet California's RPS reporting requirements and the renewable energy tracking needs of 14 states and two Canadian provinces in the Western Electricity Coordinating Council (WECC), the Energy Commission and the Western Governors' Association have jointly developed the Western Renewable Energy Generation Information System (WREGIS), which began operation in June 2007. WREGIS tracks renewable energy generation and creates WREGIS certificates for every renewable energy credit (REC) generated, which are used to demonstrate compliance with state RPS policies. One REC represents one megawatt-hour (MWh) of electricity generated from a renewable resource.

The California Public Utilities Commission issued a decision on January 13, 2011, to authorize the use of tradable renewable energy credits (TRECS) for RPS compliance. From the 2010 compliance year through December 31, 2013, the use of TRECS was capped at 25% of a utility's RPS requirement, and the price of a TREC was capped at \$50. SBX1-2 of 2011 appears to have put new restrictions on the use of TRECs which the CPUC will implement. According to the law, the use of TREC transactions signed after June 10, 2010 will be capped at 25% for the compliance period ending December 31, 2013, and will shrink to 10% of the requirement by 2017.

Publicly Owned Municipal Utilities must achieve the renewable energy procurement targets stated above. However, utilities in a city or county that receives more than 67% of its electricity from hydroelectric generation that it owns and is located within the state only need to meet the procurement requirements based on the amount of its generation that does not come from hydroelectric. Further, utilities with a distribution system demand of less than 150 MW, and that receive more than 40% of its electricity from hydroelectric generation, and that meet other criteria specified in CA Public Utilities Code § 399.30, are not required to procure additional renewable energy resources in excess of levels specified in the law.

Residential Energy Conservation Subsidy Exclusion (Corporate) - Federal

<http://www.irs.gov/publications/p525/index.html>

(800) 829-1040

Incentive Type: Federal Corporate Tax Exemption

Applicable Sectors:

Residential, Multifamily Residential

Technology:

Solar Water Heat, Solar Space Heat, Solar Photovoltaics

Summary

According to Section 136 of the U.S. Code, energy conservation subsidies provided (directly or indirectly) to customers by public utilities* are non-taxable. This exclusion does not apply to electricity-generating systems registered as "qualifying facilities" under the Public Utility Regulatory Policies Act of 1978 (PURPA). If a taxpayer claims federal tax credits or deductions for the energy conservation property, the investment basis for the purpose of claiming the deduction or tax credit must be reduced by the value of the energy conservation subsidy (i.e., a taxpayer may not claim a tax credit for an expense that the taxpayer ultimately did not pay).

The term "energy conservation measure" includes installations or modifications primarily designed to reduce consumption of electricity or natural gas, or to improve the management of energy demand. Eligible dwelling units include houses, apartments, condominiums, mobile homes, boats and similar properties. If a building or structure contains both dwelling units and other units, any subsidy must be properly allocated.

The definition of "energy conservation measure" implies that utility rebates for residential solar-thermal projects and photovoltaic (PV) systems may be non-taxable. However, the IRS has not ruled definitively on this issue. Taxpayers considering using this provision for a renewable energy system should discuss the details of the project with a tax professional. Other types of utility subsidies that may come in the form of credits or reduced rates might also be non-taxable, according to IRS Publication 525.

Residential Energy Conservation Subsidy Exclusion (Personal) - Federal

<http://www.irs.gov/publications/p525/index.html>

(800) 829-1040

Incentive Type: Personal Tax Exemption

Incentive Amount:

- 100% of subsidy

Applicable Sectors:

Residential, Multifamily Residential

Technology:

Solar Water Heat, Solar Space Heat, Solar Photovoltaics

Summary

According to Section 136 of the U.S. Code, energy conservation subsidies provided (directly or indirectly) to customers by public utilities* are non-taxable. This exclusion does not apply to electricity-generating systems registered as "qualifying facilities" under the Public Utility Regulatory Policies Act of 1978 (PURPA). If a taxpayer claims federal tax credits or deductions for the energy conservation property, the investment basis for the purpose of claiming the deduction or tax credit must be reduced by the value of the energy conservation subsidy (i.e., a taxpayer may not claim a tax credit for an expense that the taxpayer ultimately did not pay).

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Residential Energy Efficiency Tax Credit - Federal

<http://www.energystar.gov/taxcredits>

(800) 829-1040

Incentive Type: Personal Tax Credit

Incentive Amount:

- For purchases made in 2023 - 2032: annual maximum of \$1,200, with the exception of some technologies as documented below.

Applicable Sectors:

Residential

Technology:

Biomass Stoves, Water Heaters, Furnaces, Boilers, Heat pumps, Air conditioners, Duct/Air sealing, Building Insulation, Windows, Doors, Roofs

Summary

Section 13301 of The Inflation Reduction Act of 2022 (H.R. 5376) modified this tax credit and extended the expiration date. Among other changes, the bill replaced the credit's previous \$500 lifetime limit per taxpayer with an annual limit of \$1,200.

Owners of existing homes may receive a tax credit worth 30% of the cost of upgrading the efficiency of the building's envelope. Installation (labor) costs are not included and, the improvement must meet the specified efficiency standards.

Taxpayers who purchase qualified residential energy-efficient property may be eligible for a tax credit. The equipment must meet or exceed the highest efficiency tier (not including any advanced tier) established by the Consortium for Energy Efficiency which is in effect as of the beginning of the calendar year in which the equipment is placed in service, and/or any additional standards specified below. The credit is equal to 30% of the cost of the equipment.

Owners of existing homes may receive a tax credit worth 10% of the cost of upgrading the efficiency of the building's envelope. Installation (labor) costs are not included and the credit is capped at \$500 for all improvements. To be eligible for the credit, the improvement must meet the prescriptive requirements established for it under the 2009 International Energy Conservation Code (including supplements)

The Energy Policy Act of 2005 established the tax credit for energy improvements to existing homes. The credit was originally limited to purchases made in 2006 and 2007, with an aggregate cap of \$500 for all qualifying purchases made in these two years combined. There were also separate individual caps for the different equipment types. The Energy Improvement and Extension Act of 2008 (H.R. 1424: Div. B, Sec. 302) of 2008 reinstated the credit for 2009 purchases and made other minor adjustments. The American Recovery and Reinvestment Act of 2009 further extended the credit to include improvements made in 2010 and replaced the \$500 aggregate cap with a \$1,500 aggregate cap for improvements made in 2009 and 2010. This credit has since been renewed several times, but the credit was reduced to its original form and original cap of \$500, only to be increased again by the Inflation Reduction Act.

Residential Renewable Energy Tax Credit - Federal

<https://www.energy.gov/eere/solar/homeowners-guide-federal-tax-credit-solar-photovoltaics>

(800) 829-1040

Incentive Type: Personal Tax Credit

Equipment Requirements:

- Solar water heating property must be certified by SRCC or a comparable entity endorsed by the state where the system is installed. At least half the energy used to heat the dwelling's water must be from solar.

Applicable Sectors:

Residential

Technology:

Solar Water Heat, Solar Photovoltaics, Biomass, Geothermal Heat Pumps, Wind (Small), Fuel Cells using Renewable Fuels

Summary

Section 13302 of The Inflation Reduction Act of 2022 (H.R. 5376) extended the expiration date and modified the phase down of this tax credit. It also made stand-alone energy storage systems eligible for the credit, and biomass heaters ineligible for the credit. Biomass heaters are now eligible for the residential energy efficiency tax credit. The summary below reflects the credit after the enactment of H.R. 5376.

A taxpayer may claim a credit for a system that serves a dwelling unit located in the United States that is owned and used as a residence by the taxpayer. Expenditures with respect to the equipment are treated as made when the installation is completed. If the installation is at a new home, the "placed in service" date is the date of occupancy by the homeowner. Expenditures include labor costs for on-site preparation, assembly or original system installation, and for piping or wiring to interconnect a system to the home. If the federal tax credit exceeds tax liability, the excess amount may be carried forward to the succeeding taxable year.

Energy Storage

Prior to the enactment of the Inflation Reduction Act of 2022, the federal tax code did not explicitly reference energy storage, so stand-alone energy storage systems did not qualify for the tax credit. However, the IRS issued Private Letter Rulings in 2013 and 2018, which address energy storage paired with PV systems. In both cases, the IRS ruled that the energy storage equipment when paired with PV met the statutory definition of a "qualified solar electric property expenditure," as was eligible for the tax credit. It is important to note that Private Letter Rulings only apply to the taxpayer who requested it, and do not establish precedent. Any taxpayer considering the purchase of an energy storage system should consult their accountant or other tax professional before claiming a tax credit.

Riverside County - Sustainable Building Policy

(951) 955-1000

Incentive Type: Energy Standards for Public Buildings

Applicable Sectors:

Local Government

Technology:

Comprehensive Measures/Whole Building

Summary

In February 2009, the County of Riverside Board of Supervisors adopted Policy Number H-29, creating the Sustainable Building Policy. The Policy requires that all new county building projects initiated on or after March 1, 2009 must meet the criteria for LEED certification. The Board of Supervisors may grant exceptions, especially for projects under 5,000 square feet. Additionally, all county building projects must have a LEED accredited professional on the development team. The policy also encourages existing structures to seek the LEED Existing Buildings certification, and encourages private construction projects to incorporate LEED building practices.

Riverside Public Utilities - Commercial Energy Efficiency Rebate Program

<https://riversideca.gov/utilities/businesses/rebates/about>

(951) 826-5485

Incentive Type: Rebate Program

Incentive Amount:

- Air Conditioning: \$150 - \$300/ton
- HVAC Tune-Up: \$10/ton
- Smart Thermostat: \$50/unit
- Refrigerator: \$100
- Refrigerator/Freezer: \$200
- Commercial Clothes Washer: \$75
- Room Air Conditioner: \$50
- Dishwasher: \$50
- High-efficiency Water Heater: \$50
- Electric Heat Pump Water Heater: \$200
- TVs: \$150/unit
- Exit Sign: \$25
- Lighting: \$0.06 - \$0.10/kWh saved
- PC Power Management: \$15/pc
- Premium Motors: \$35 - \$70
- Shade Tree: \$40/tree, max 5
- Attic Insulation: \$0.10 - \$0.20/sq. ft.
- Exterior Wall Insulation: \$0.15/sq.ft.
- Whole Building Fan: \$100 (limit 1)
- Solar-Powered Attic Fan: \$100 (limit 2)
- Windows/Glass Doors: \$1/sq. ft.
- Electric Attic Vent Fan: \$50 (limit 2)
- Cool Roof (coatings or products): \$0.20/sq. ft.
- Window Film: \$1/sq. ft.
- Solar Window Screen: \$1/sq. ft.

Maximum Incentive Amount:

- Rebate amount cannot exceed \$25,000 for Flat rate customers or \$50,000 for Demand and Time of Use (TOU) customers.

Applicable Sectors:

Commercial

Technology:

Clothes Washers, Dishwasher, Refrigerators/Freezers, Ceiling Fan, Water Heaters, Lighting, Lighting Controls/Sensors, Heat pumps, Air conditioners, Energy Mgmt. Systems/Building Controls, Building Insulation, Windows, Motors, Personal Computing Equipment, Reflective Roofs, LED Lighting, Load Management

Summary

The maximum combined incentive for all rebates is \$25,000 flat-rate customers, \$50,000 for demand customers, and \$100,000 for Time of Use (TOU) customers. Additionally, rebates cannot exceed 50% of the project costs. Customers are limited to one capped rebate per program per fiscal year or calendar year per premise depending on program. Rebates must be submitted within 90 days of purchase to qualify. Rebates under \$500 will be given to customers in the form of bill credit, while anything above \$500 will be mailed to the customer as a check.

Riverside Public Utilities - Residential Energy Efficiency Rebate Program

<https://www.irs.gov/credits->

<http://www.riversidepublicutilities.com/residents/rebates.aspx>
[native-fuel-vehicle-refueling-property-credit](#)

(951) 826-5485

Incentive Type: Rebate Program

Incentive Amount:

- **AIR CONDITIONING**
- Central Air Conditioning Units & Heat Pumps: \$150 - \$250 per ton
- HVAC Tune-Up: \$25
- Whole House Evaporative Cooler: \$150 per unit
- Wall/window Room Evaporative Cooler: \$50 per unit
- Programmable Thermostat: \$50 per unit
- **ENERGY STAR PRODUCTS**
- Refrigerators: \$50 - \$200 per unit (Qualifications Apply)
- Room Air Conditioner: \$50 per unit
- Dishwasher: \$50 per unit
- High-Efficiency Clothes Washer: \$75 per unit
- Ceiling Fan: \$25 per unit (Maximum of 4)
- Electric Water Heater: \$50
- TVs: \$150 per TV Energy Star®
- Heat Pump Water Heater: \$200 Energy Star®
- Heat Pump Dryer: \$200

- **WEATHERIZATION**

- Attic Insulation: \$0.10 - \$0.20 per square foot
- Exterior Wall Insulation: \$0.15 per square foot
- Whole House Fan: \$100 per unit (Limit 1)
- Solar Attic Fan: \$100 per unit (Limit 2)
- Electric Attic Vent Fan: \$50 per unit (Limit 2)
- Duct Replacement: \$150 maximum
- Cool Roof (coatings or products): \$0.10 per square foot
- Windows/Glass Doors: \$1.00 per square foot
- Window Film: \$1.00 per square foot
- Solar window screen: \$1.00 per square foot

- **OTHER PROGRAMS**

- Energy Efficient Pool Pumps: \$200 per pump (Max 2)
- Refrigerator/Freezer Recycling Program: \$50
- Tree Power: \$40 per shade tree (5 per calendar year)

- **WATER REBATES**

- High-Efficiency Clothes Washers: \$85
- Premium High-Efficiency Toilets: \$40 per unit
- Turf Replacement: \$5.00 per square foot up to 1,000 square feet, \$2.00 per square foot up to 5,000 square feet
- Weather-Based Irrigation Controllers: \$200 per controller (<1 acre) \$35 per station (>1 acre)
- Rotating Sprinkler Nozzles: \$5.00 per nozzle (minimum of 30)
- Rain Barrels: \$35 per barrel (maximum 2)
- Cisterns: \$250 - \$350
- Soil Moisture Sensor System: \$80 per controller (<1 acre) \$35 per station (>1 acre)

Applicable Sectors:

- Water Flow Monitoring Device: \$175 per unit
- Residential

Technology:

Clothes Washers, Dishwasher, Refrigerators/Freezers, Ceiling Fan, Water Heaters, Heat pumps, Air conditioners, Programmable Thermostats, Duct/Air sealing, Building Insulation, Windows, Doors, Roofs, Motor VFDs, Other EE, Reflective Roofs, Pool Pumps, LED Lighting, HVAC

Summary

Riverside Public Utilities offers incentives for residential customers to upgrade the efficiency of a variety of equipment within eligible homes. In order to receive rebates, all equipment efficiency standards must be met.

Roseville Electric - Commercial Energy Efficiency Rebate Program

https://www.roseville.ca.us/business/utility_rebates

(916) 797-6937

Incentive Type: Rebate Program

Incentive Amount:

- **Lighting Program**
- Custom Lighting: \$0.15 per kilowatt hour (kWh) saved
- **HVAC Program**
- Heat Pump Unit: Up to \$600/ton
- HVAC Tune-Up (Seasonal): Up to \$100/unit
- Smart Thermostat: \$100/unit
- Permit Incentive: Up to \$500
- **Custom Projects**
- Up to \$0.20 per kWh saved
- **Electric Vehicles**
- Light Duty Vehicles: \$600/vehicle
- Class 3 - Class 5 Vehicles: \$3,000/vehicle
- Class 6 and Class 7 Vehicles: \$6,000/vehicle
- Class 8 Vehicles: \$15,000/vehicle
- Level 2 EVSE: \$3,000/handle

Maximum Incentive Amount:

- **HVAC Rebate Programs**
- Cover up to \$50,000 for any one project/customer address

Applicable Sectors:

Commercial, Construction

Technology:

Dishwasher, Heat pumps, Air conditioners, Custom/Others pending approval, Other EE, LED Lighting, Commercial Refrigeration Equipment

Passenger Electric Vehicles, Medium-Duty Electric Vehicles, Heavy-Duty Electric Vehicles, Level-2 Electric Vehicle Service Equipment

Summary

Roseville Electric offers incentives for its commercial customers to increase the efficiency of existing facilities. Customers interested in pursuing rebates should contact Roseville Electric before making purchases to ensure eligibility and rebate fund availability.

Roseville Electric - Residential Energy Efficiency Rebate Program

<https://www.roseville.ca.us/cms/One.aspx?portalId=7964922&pageId=20438359>

(679) 769-3779

Incentive Type: Rebate Program

Incentive Amount:

- HVAC Tune Up: \$50
- Smart Thermostat: \$100
- Whole House Fan: \$200
- Level 2 Charger: \$400
- Shade Tree: \$40
- **Appliance Rebates**
- Induction Cooktop: \$500
- Heat Pump Dryer: \$250 Heat Pump
- HVAC: \$250 - \$600/ton
- Heat Pump Water Heater: \$2,000/unit
- Panel Replacement: \$1,500

Applicable Sectors:

Residential

Technology:

Ceiling Fan, Water Heaters, Heat pumps, Programmable Thermostats, Windows, Other EE, Pool Pumps, LED Lighting, HVAC

Passenger Electric Vehicles, Level-2 Electric Vehicle Service Equipment

Sales and Use Tax Exclusion for Advanced Transportation and Alternative Energy Manufacturing Program

<http://www.treasurer.ca.gov/caeatfa/ste/index.asp>

(916) 653-2635

Incentive Type: Industry Recruitment/Support

Incentive Amount:

- \$100,000,000 per year for the program

Applicable Sectors:

Industrial

Technology:

Geothermal Electric, Solar Thermal Electric, Solar Photovoltaics, Wind (All), Biomass, Municipal Solid Waste, Landfill Gas, Tidal, Wave, Ocean Thermal, Fuel Cells using Renewable Fuels

Passenger Electric Vehicles, Level-2 Electric Vehicle Service Equipment

Summary

SB 71 of 2010 established a sales and use tax exclusion (STE) for eligible projects on property utilized for the design, manufacture, production or assembly of advanced transportation technologies or alternative source (including energy efficiency) products, components, or systems. The California Alternative Energy and Advanced Transportation Financing Authority (CAEATFA) is administering the program. The STE Program is currently authorized through 2025.

Sales and Use Tax Exemption for Electric Power Generation and Storage Equipment

<https://www.cdtfa.ca.gov/industry/manufacturing-and-research-and-development-equipment-exemption/>

(800) 400-7115

Incentive Type: Sales Tax Incentive

Applicable Sectors:

Commercial, Industrial, Agricultural, Appliance Manufacturers

Technology:

Lithium-ion Storage

OGeothermal Electric, Solar Thermal Electric, Solar Photovoltaics, Wind (All), Biomass, Combined Heat & Power, Fuel Cells using Non-Renewable Fuels, Landfill Gas, Hydroelectric (Small), Anaerobic Digestion, Fuel Cells using Renewable Fuels

Summary

AB 1817 of 2018 created an exemption from the sales and use tax for "qualified tangible personal property purchased for use by a qualified person to be used primarily in the generation or production, or storage and distribution, of electric power." The exemption also applies to contractors who purchase the equipment in the service of a contract with a qualified person. "Qualified person" is defined in the statutes.

San Bernardino County - Solar Energy Development Standards

<http://www.sbcounty.gov/uploads/lus/renewable/solarordinance121713.pdf>

(909) 387-8311

Incentive Type: Solar/Wind Permitting Standards

Applicable Sectors:

Investor-Owned Utility, Municipal Utilities, Cooperative Utilities

Technology:

Solar Thermal Electric, Solar Photovoltaics

Summary

San Bernardino County's Solar Energy Development Standards include standards and permit procedures for the establishment, maintenance and decommissioning of solar energy generating facilities.

San Bernardino County – Accessory Wind Energy System Permit

[http://library.amlegal.com/nxt/gateway.dll/California/sanbernardinocounty_ca/title8developmentcode/division5permitapplicationandreviewproce/chapter8518accessorywindenergysystemperm?f=templates\\$fn=default.htm\\$3.0\\$vid=amlegal:sanbernardinocounty_ca\\$anc=JD_C](http://library.amlegal.com/nxt/gateway.dll/California/sanbernardinocounty_ca/title8developmentcode/division5permitapplicationandreviewproce/chapter8518accessorywindenergysystemperm?f=templates$fn=default.htm$3.0$vid=amlegal:sanbernardinocounty_ca$anc=JD_C)

Incentive Type: Solar/Wind Permitting Standards

Applicable Sectors:

Commercial, Industrial, Residential, Agricultural

Technology:

Wind (Small)

Summary

San Bernardino County's Accessory Wind Energy System Permit provides a uniform and comprehensive set of standards, conditions, and procedures for the placement of accessory wind energy systems on parcels in unincorporated areas of the County. These regulations are intended to ensure that accessory wind energy systems are designed and located in a manner that minimizes visual and safety impacts on the surrounding community.

Permit is required for an accessory wind energy system as defined by § 810.01.250 (Definitions, "W"). A single accessory wind energy system that is 35 feet or less in height shall be exempt from the requirement. Multiple systems on the same parcel, even if they are 35 feet or less in height, shall be required to obtain an accessory wind energy system permit.

San Diego County - Design Standards for County Facilities

http://www.sdcountry.ca.gov/general_services/Energy/Energy.html

(510) 748-3947

Incentive Type: Energy Standards for Public Buildings

Applicable Sectors:

Local Government

Technology:

Solar Photovoltaics, Wind (All), Biomass, Combined Heat & Power, Wind (Small), Fuel Cells using Renewable Fuels, Other Distributed Generation Technologies

Summary

The San Diego County Board of Supervisors established design standards for county facilities and property. Among other requirements, the policy requires that all new county buildings or major building renovations obtain U.S. Green Building Council (USGBC) LEED Building Certification. Renovations of over 5,000 square feet are considered major renovations. Buildings over 10,000 square feet require LEED Enhanced Commissioning. Additionally, county projects are required to attain the lowest EUI (Energy Use Intensity) possible within the client's program and project's budget. County projects are also required to exceed the current California Energy Code Title 24 by at least 20%.

San Diego County - Green Building Program

<https://www.sandiegocounty.gov/content/sdc/pds/bldg/green.html>

(858) 694-2960

Incentive Type: Green Building Incentive

Incentive Amount:

- 7.5% reduction in plan check and building permit fees

Applicable Sectors:

Commercial, Industrial, Residential

Technology:

Solar Photovoltaics

Comprehensive Measures/Whole Building

Summary

The County of San Diego has a Green Building Incentive Program designed to promote the use of resource efficient construction materials, water conservation and energy efficiency in new and remodeled residential and commercial buildings. As part of the program, for qualifying resource conservation measures, the County will reduce building permit and plan check fees by 7.5% and grant expedited plan checks. To qualify for these conservation incentives, the project must comply with the program requirements for either natural resources conservation, water conservation, or energy conservation.

San Diego County - Solar Zoning Regulations

<http://www.sandiegocounty.gov/pds/solarpv.html>

(858) 694-2960

Incentive Type: Solar/Wind Permitting Standards

Applicable Sectors:

Commercial, Industrial, Residential

Technology:

Solar Photovoltaics

Summary

The County of San Diego has established zoning guidelines for solar electric systems of varying sizes in the unincorporated areas of San Diego County. Photovoltaic (PV) systems which have their electricity consumed onsite are considered an accessory use in all zone types and are generally permitted as long as they meet the height and setback requirements. PV systems which generate power for offsite use and are located on parcels of land not larger than 10 acres may be allowed with an Administrative Permit in all zones. Applicable projects must follow the Administrative Permit Procedure and meet certain PV-specific requirements before an Administrative Permit may be issued. All offsite solar projects on land larger than 10 acres are considered a Major Impact Service and Utility in all zones and will require a Major Use Permit.

San Diego County - Wind Regulations

<http://www.sandiegocounty.gov/pds/windturb.html>

(858) 694-2960

Incentive Type: Solar/Wind Permitting Standards

Applicable Sectors:

Commercial, Industrial, Residential

Technology:

Wind (All), Wind (Small)

Summary

The County of San Diego has established zoning guidelines for wind turbine systems of varying sizes in the unincorporated areas of San Diego County. Wind turbine systems can be classified as small or large, and have different siting requirements. Turbines of all sizes must abide by Noise Abatement and Control laws, must have restricted public access using locked fences, non-climbable towers, or other restrictions, and must have appropriate warning signs posted. A wind turbine is considered non-operational if it produces less than 10% of the expected power output for 12 consecutive months.

Small Wind Turbine System: An installation consisting of no more than three wind turbines with a cumulative rated capacity of 50 kilowatts (kW) or less. Small systems must be setback from property lines a distance equal to the height of the turbine, the applicable setback requirement of the zone, or 30 feet, whichever is greater. Larger setbacks are in place with respect to specific land or property features. The height of the turbine may not exceed 80 feet. Specific zone and fire setback requirements also apply. Non-operational turbines must be removed within 180 days after becoming non-operational.

Large Wind Turbine System: Installation consisting of one or more turbines on a parcel of at least 5 acres. Systems may be allowed as a Major Impact Services and Utilities use type with a Major Use Permit. Turbine height may not exceed 80 feet. Systems must be set back from property lines and public roads at least 1.1 times the height of the tower. Turbines located on land subject to the Tule Wind Energy Project Major Use Permit must comply with stricter setback requirements. Other set back restrictions or exceptions may apply. Specific measures must be taken to minimize the visual impact of large wind system projects. Project owners are required to post a "removal surety" bond sufficient to allow for the removal of non-operational wind turbines.

Santa Clara County - County Green Building Standards Code

https://www.municode.com/library/ca/santa_clara_county/codes/code_of_ordinances?nodeId=TITCCODELAUS_DIVC3BU_CHIIICOGRBUSTCO

(408) 299-5770

Incentive Type: Building Energy Code

Applicable Sectors:

Commercial, Construction, Local Government, Residential, Installers/Contractors, Multifamily Residential

Technology:

Comprehensive Measures/Whole Building

Summary

The purpose of the chapter is to enhance public health and welfare and assure that green building principles and practices are incorporated into new development to limit impacts to the natural and human environment within unincorporated Santa Clara County.

The additions and amendments to the chapter require the accommodation of electric vehicles through the implementation of electric vehicle charging stations (EVCS) and electric vehicle supply equipment (EVSE).

Santa Clara County - Green Building Policy for County Government Buildings

(408) 993-4760

Incentive Type: Energy Standards for Public Buildings

Applicable Sectors:

Local Government

Technology:

Solar Water Heat, Solar Photovoltaics, Fuel Cells using Non-Renewable Fuels

Comprehensive Measures/Whole Building

Summary

In February 2006, the Santa Clara County Board of Supervisors approved a Green Building Policy for all county-owned or leased buildings. The standards were revised again in September 2009.

All new buildings over 5,000 square feet are required to meet LEED Silver certification levels, but only buildings over 25,000 square feet must actually register and be certified by the USGBC. For buildings between 5,000 and 25,000 square feet, the building design and the LEED checklist must be reviewed by a LEED Accredited Professional (AP) or LEED Green Associate. The AP or Green Associate must be a registered engineer or architect and must have worked on at least 1 LEED certified building. County-owned residential buildings may use GreenPoint Rated Guidelines instead of LEED.

New buildings must also use renewable energy systems to the extent practicable.

For leased buildings, administration will strive for LEED Existing Building: Operation & Maintenance (EB:O&M) and/or LEED Commercial Interiors (CI) as appropriate.

Santa Clara County - Solar Access Easements

(408) 299-5770

Incentive Type: Solar/Wind Access Policy

Applicable Sectors:

Commercial, Industrial, Local Government, Residential, Agricultural

Technology:

Solar - Passive, Solar Water Heat, Solar Space Heat, Solar Pool Heating

Summary

In proposed subdivisions where a building configuration has been developed solar access easements shall be designed to protect solar access to proposed south roof and south wall areas and any proposed site for a solar energy system. For those subdivisions that have not been developed, solar access to the southernmost boundary of the buildable portion of a lot shall be protected. In establishing the dimensions of a solar access easement, specific considerations must be made.

In cases where a building configuration is not able to reasonably protect solar access to a proposed south facing element, the advisory agency may require the preparation and dedication of solar access easements as a condition of approval for any subdivision application containing one or more proposed lots under one acre.

Solar access easements shall not be required in cases where the lot that would be benefited is equal to or greater than one acre or where solar access is not available due to either existing vegetation, topography or surrounding development, or where other deed restrictions are sufficient to protect solar access. The establishment of a solar access easement is not intended to result in reducing development densities or reducing the percentage of a lot which may be occupied by a structure, or cause the unnecessary destruction of existing trees.

Santa Clara County - Zoning Ordinance

<https://plandev.sccgov.org/home>

(408) 299-5770

Incentive Type: Solar/Wind Permitting Standards

Applicable Sectors:

Commercial, Residential, Agricultural

Technology:

Solar Photovoltaics, Wind (All)

Summary

Commercial-scale wind systems must be setback from property lines by a distance equal to the height of the tower plus the radius of the blades. The structure must also be placed in such a manner to minimize its overall visual impact, may not obstruct the view for neighbors, and must be colored to help the structure blend into the surrounding environment. Lettering and graphics are not permitted on wind systems, and the system should not subject neighbors to excessive noise. The base of the structure must be protected to prevent climbing.

Commercial solar systems must be set back from property lines by at least 30 feet. Signage that is visible from a public road is limited to 2 signs of no more than 200 aggregate square feet, and may only include information identifying the manufacturer, installer, owners and public health and safety information. Construction, design, and operation of the facility must minimize soil disturbance and drainage. If use of the equipment is discontinued, the equipment must be removed from the site and recycled to the extent possible.

Wind structures in residential and agricultural areas are limited to 50 kW per customer site. Structures must be set back from all property lines by a distance equal to the height of the system plus the radius of the blades. On parcels between one and five acres, the height of the system may not exceed 80 feet. Parcels of five or more acres may have towers of up to 100 feet. Noise from the system cannot exceed 60 decibels or the maximum noise level allowed by other applicable laws. The base of the structure must be secured and enclosed to prevent climbing, and lighting may only be used for security and aviation safety.

Solar systems may be placed on any portion of the lot other than within the front yard setback applicable to the principal structure. Solar panels attached to the roof may not exceed the structure's maximum height by more than five feet.

Santa Clara Water & Sewer - Solar Water Heating Program

<http://santaclaraca.gov/index.aspx?page=1046>

(408) 615-2000

Incentive Type: Leasing Program

Applicable Sectors:

Commercial, Local Government, Residential

Technology:

Solar Water Heat, Solar Thermal Process Heat, Solar Pool Heating

Summary

In 1975, the City of Santa Clara established the nation's first municipal solar utility. Under the Solar Water Heating Program, the Santa Clara Water & Sewer Utilities Department supplies, installs and maintains solar water heating systems for residents and businesses. In addition, the city has also installed solar energy equipment for a number of its own facilities.

Solar equipment is available from the city for heating swimming pools, process water and domestic hot water. The hardware (solar collectors, controls and storage tanks) is owned and maintained by the city under a rental agreement. The renter pays an initial installation fee and a monthly utility fee. For solar pool heating systems, the installation cost is \$4,128 plus \$242 per panel. There is a monthly service charge for all systems based on the number of panels. Pool systems are billed a monthly service charge for six billing cycles per year (generally from April to September), although the system is available for use all year

SCE - Charge Ready Program

<https://www.sce.com/evbusiness/chargeready>

Incentive Type: Rebate Program

Incentive Amount:

- **New Construction Rebate** Up to \$3,500 per Port (to offset the costs of purchase and installation)
- **Small Site Rebate** Up to \$10,000 per Port. Costs not to exceed 100% of customer installed costs.
- **Charging Infrastructure and Rebate** Only available to Multi-family in DAC; \$8,100 per Single-Port Station, \$11,400 per Dual-Port Station Optional
- **Customer-side Make Ready Rebate** 80% of SCE's Estimated Costs. Optional: Available to all participants choosing to self-build
- Only available to Multi-family in DAC beginning 2023; \$8,100 per Single-Port Station, \$11,400 per Dual-Port Station Optional

Applicable Sectors:

Multifamily Residential

Technology:

Level-2 Electric Vehicle Service Equipment

Summary

At this time, SCE will only be accepting applications for the Charge Ready waitlist for sites that are in state-designated Disadvantaged Communities.

Southern California Edison (SCE) provides an incentive for EV charging infrastructure to be incorporated into new construction of multi-family properties

SCE - Multi-Family Residential Energy Efficiency Programs

<https://www.sce.com/residential/rebates-savings/multifamily-rebate-program>

(866) 352-7457

Incentive Type: Rebate Program

Applicable Sectors:

Multifamily Residential

Technology:

Heat pumps, Air conditioners, Caulking/Weather-stripping, Building Insulation, Pool Pumps, LED Lighting, HVAC

Summary

Southern California Edison (SCE) offers prescriptive equipment replacements for qualifying multifamily residences at no-cost to the property owner or tenant. Deed-restricted properties may be eligible to receive lighting, HVAC, and pool pump replacements for common areas and updated energy-efficient appliances for multifamily dwellings.

SCE - Non-Residential On-Bill Financing Program

https://www.sce.com/wps/portal/home/business/tools/on-bill-financing!/ut/p/b1/nVRNj9owFPwruweOVI5sJ7aPQYWQLN-hdMkF5cvULTiskqLu_vqaFVJLEATqS2xI3ujNvLGt2Hq1YpOc1CapVamT7fEcu2ub-94giCCYRIM-BFOc-KNwSjgjBrAyALiyPPisFz70BuEEAn8xIxCQGYwjzyMArvXNiq040_W-_m6tqqxYZ

(510) 748-3947

Incentive Type: Custom/Others pending approval

Incentive Amount:

- Government & Institutional: Up to \$1,000,000 per account
- Business & Multifamily: Up to \$250,000 per account

Applicable Sectors:

Commercial, Industrial, Local Government, Nonprofit, Schools, State Government, Federal Government, Tribal Government, Agricultural, Multifamily Residential, Institutional

Technology:

Custom/Others pending approval

Summary

The SCE On-Bill Financing (OBF) program offers qualified non-residential customers 0% financing from \$5,000 to \$1,00,000 per Service Account (SA) for qualifying projects. All government and institutional customers (i.e. counties, cities, school districts, etc.), business and multifamily property owners are eligible. Customers with multiple SAs may have loans at each SA up to the maximum amount for their segment. Government and institutional customers may bundle multiple service accounts under the same Customer Account Number into a single OBF loan.

SCE - Residential Energy Efficiency Rebate Program

<https://www.sce.com/residential/rebates-savings/rebates>

(800) 655-4555

Incentive Type: Rebate Program

Incentive Amount:

- Smart Thermostat: Up to \$75
- Electric Vehicle: \$1,000 - \$4,000 (Program-dependent)
- Home or Business Area Network: \$25
- Electric Portable Power Stations: \$150
- Portable Power Generator Rebates: \$200 (\$600 income qualified)

Applicable Sectors:

Residential

Technology:

Clothes Washers, Dishwasher, Dehumidifiers, Water Heaters, Lighting Controls/Sensors, Air conditioners, Programmable Thermostats, Motors, Custom/Others pending approval, Pool Pumps, LED Lighting, Building Systems, HVAC

Passenger Electric Vehicles, Plug-in Electric Hybrid Vehicles, Level-2 Electric Vehicle Service Equipment

Summary

Southern California Edison (SCE) offers a rebate program specifically encouraging energy savings for SCE customers who own a detached single-family home. The program aims to reduce energy consumption by upgrading existing systems and measures in participating homes. Specific rebates are currently listed on the SCE Marketplace, where direct rebate incentives are applied to the cost of purchased equipment.

SDG&E - Power Your Drive Program

<https://www.sdge.com/residential/electric-vehicles/power-your-drive>

(800) 336-7343

Incentive Type: Rebate Program

Applicable Sectors:

Commercial

Technology:

Make-Ready Equipment

Summary

As of 7-1-2023, Power Your Drive is fully subscribed at this time.

Through its Power Your Drive Program, SDG&E will install, own, and maintain EVSE equipment at participating multi-unit developments and workplaces. To date, SDG&E has installed over 3,000 charging stations at 255 locations. To enroll as a driver, click [here](#). For more information, visit the program website

SDG&E - Residential Efficiency Rebate Program

<http://www.sdge.com/buyers-guide/399>

(800) 644-6133

Incentive Type: Rebate Program

Incentive Amount:

- Smart Thermostat: \$40 - \$75
- Gas Tank Water Heater: \$75
- Heat Pump Water Heater (replacing an electric water heater): \$500
- Room Air Conditioner: \$15

Applicable Sectors:

Residential

Technology:

Water Heaters, Heat pumps, Air conditioners, Programmable Thermostats

Summary

Residential customers of San Diego Gas and Electric (SDG&E) are eligible for point-of-sale or mail-in rebates on various energy efficiency rebates, including clothes washers, smart thermostats, and water heaters. See website above for complete details.

Self-Generation Incentive Program

<https://www.selfgenca.com/>

Incentive Type: Rebate Program

Incentive Amount:

- \$166 million annually

Applicable Sectors:

Commercial, Industrial, Local Government, Nonprofit, Residential, Schools, State Government, Federal Government, Institutional

Technology:

Solar Photovoltaics, Wind (All), Combined Heat & Power, Fuel Cells using Non-Renewable Fuels, Wind (Small), Fuel Cells using Renewable Fuels

Lithium-ion storage

Eligible System Size:

Systems must be sized according to customer's electricity demand; wind turbine projects may be sized up to 200% of the previous 12 month annual peak demand

Summary

A.B. 209 of 2022 extended eligibility for this program to residential solar photovoltaic systems paired with energy storage systems. The CPUC will need to develop rules before these new incentives are available.

Initiated in 2001, the Self-Generation Incentive Program (SGIP) offers incentives to customers who produce electricity with wind turbines, fuel cells, various forms of combined heat and power (CHP) and advanced energy storage. Retail electric and gas customers of San Diego Gas & Electric (SDG&E), Pacific Gas & Electric (PG&E), Southern California Edison (SCE) or Southern California Gas (SoCal Gas) are eligible for the SGIP. Beginning in May 2012, all technologies previously eligible for the expired Emerging Renewables Program are now eligible for the SGIP program. Originally set to expire at the end of 2011, SB 412 of 2009 extended the expiration date to January 1, 2016, and SB 861 of 2015 further extended the expiration date to January 1, 2021. The program was later extended through January 1, 2026.

Systems less than 30 kW will receive their full incentive upfront. Systems with a capacity of 30 kilowatts (kW) or greater will receive half the incentive upfront, and the other half will be paid over the following five years based on the actual performance.

There is no minimum or maximum eligible system size, although the incentive payment is capped at 3 MW. Further, the first megawatt (MW) in capacity will receive 100% of the calculated incentive, the second MW will receive 50% of the calculated incentive, and the third MW will receive 25% of the calculated incentive. Applicants must pay a minimum of 40% of eligible project costs (the biogas adder is not included in calculating the limit). Projects using the Federal Investment Tax Credit (ITC) must pay 40% of the eligible project costs after the ITC is subtracted from the project costs (i.e., the SGIP credit is limited to 30% of project costs).

PG&E, SCE, and SoCal Gas administer the SGIP program in their service territories, and the California Center for Sustainable Energy administers the program in SDG&E's territory. Customers of PG&E, SDG&E, SCE and SoCal Gas should contact their program administrator for an application, program handbook and additional eligibility information.

Silicon Valley Power - Commercial Energy Efficiency Rebate Program

<https://www.siliconvalleypower.com/businesses/rebates>

(408) 615-6650

Incentive Type: Rebate Program

Incentive Amount:

- **HVAC**
- Unitary Air Conditioners: Up to \$160 per ton (Varies by tonnage)
- Packaged Terminal AC: \$100 per ton
- Advanced Rooftop Controls: Up to \$3,500 per unit
- Unitary Heat Pumps: \$300 per ton
- **Building Optimization Program**: \$0.03 per kWh annual savings (2 years)
- **Controls Program**: \$0.02 per kWh annual savings (5 years)
- **Customer Directed Project**: \$0.15 per kWh for all measure types.
- **Data Center Program**: \$0.03 per kWh annual savings (4 years)
- **Emerging Technologies Program**: \$0.35 per kWh annual savings (5 years)
- **Electric Vehicle Chargers**:
 - DCFC rebates: \$50,000 to \$80,000 per charger or 75% of eligible project costs, whichever is less
 - L2 rebates: \$4,500/connector, additional \$1,000/connector for multi-residential sites, additional \$500/connector for DAC or LIC sites.
- **Food Service Equipment**: Varies by equipment (see application for details)
- **Heat Pump Water Heater**: \$1,000 per unit, \$1,000 extra if converting from natural gas to electric.
- **Lighting**
 - LED Troffer Fixture: \$40/fixture
 - LED Low-Bay Fixture: \$70/fixture
 - LED High-Bay Fixture < 150 watts: \$100/fixture LED High-Bay Fixture > 150 watts: \$150/fixture
- **New Construction**: Varies see application
- **VFD Air Compressor**: \$75 per horsepower

Applicable Sectors:

Commercial, Construction, Industrial, Local Government, Nonprofit, Schools, State Government, Federal Government

Technology:

Level-2 Electric Vehicle Service Equipment, Direct Current Fast Charging Equipment
Lighting, Heat pumps, Air conditioners, Compressed air, Energy Mgmt. Systems/Building Controls, Comprehensive Measures/Whole Building, Custom/Others pending approval, Other EE, Food Service Equipment, Data Center Equipment, LED Lighting, Commercial Refrigeration Equipment

Summary

Silicon Valley Power (SVP) offers a variety rebates to its business customers, capped at a maximum total incentive of \$500,000 per customer per year. In addition, Customer Directed Rebates are available for energy efficiency related projects that decrease electrical usage and may not otherwise fit into the other rebate offers.

Silicon Valley Power - Emerging Technologies Grant Program

<https://www.siliconvalleypower.com/businesses/rebates>

(408) 615-6650

Incentive Type: Grant Program

Applicable Sectors:

Commercial, Industrial

Technology:

Lighting, Custom/Others pending approval, Other EE, Commercial Refrigeration Equipment, HVAC

Summary

The emerging technologies grant program provides financial assistance to businesses wishing to implement new kinds of energy-saving technologies. Silicon Valley Power wants to help with projects that:

- Demonstrate a new product/application not commercial viable in today's market
- Install technologies not widely known that have shown market potential
- Introduce energy efficiency measures into industries/businesses that are generally resistant to these technologies/practices

Silicon Valley Power - Residential Energy Efficiency Rebate Program

<https://www.siliconvalleypower.com/residents/rebates-6214>

(408) 244-7283

Incentive Type: Rebate Program

Incentive Amount:

- Electric Clothes Dryer: up to \$200
- Electric Heat Pump Water Heater: up to \$500
- Electric Bicycle: up to \$300
- EV Charging Station: up to \$550
- Fully Electric Vehicle: \$1,500
- Plug-in Hybrid Vehicle: \$1,000
- Pool Pump: \$100

Applicable Sectors:

Residential

Technology:

Refrigerators/Freezers, Water Heaters, Heat pumps, Pool Pumps

Passenger Electric Vehicles, Plug-in Electric Hybrid Vehicles, Direct Current Fast Charging Equipment

Electric bicycles

Summary

Silicon Valley Power offers rebates to residential customers for the purchase of a variety of energy-efficient products. To qualify for these programs, residents must live in the City of Santa Clara, receive electricity from Silicon Valley Power, and make purchases from participating retailers.

SMUD - Commercial Electric Vehicle Incentive Program

<https://www.smud.org/en/Going-Green/Electric-Vehicles/Business>

(877) 622-7683

Incentive Type: Rebate Program

Incentive Amount:

- **PEV Fleet Rebates** \$750 - \$15,000, varies by vehicle class and weight.
- **PEV Chargers**
 - Level 1 EVSE: \$500/handle
 - Level 2 EVSE: \$4,500/handle
 - Public DCFC >50kW: \$30,000/DCFC unit
 - School bus DCFC < 25kW: \$7,500/DCFC unit
 - School bus DCFC > 50kW: \$15,000/DCFC unit
 - Stub outs: \$250/stub out
 - Transformer Upgrade Support: \$5,000/project
 - Panel Upgrade Support: \$1,000/project

Applicable Sectors:

Commercial

Technology:

Passenger Electric Vehicles, Medium-Duty Electric Vehicles, Heavy-Duty Electric Vehicles, Electric School Buses, Level-2 Electric Vehicle Service Equipment, Direct Current Fast Charging Equipment

Load Management

SMUD - Commercial Energy Efficiency Rebate Program

<https://www.smud.org/en/Business-Solutions-and-Rebates/Business-Rebates>

(877) 622-7683

Incentive Type: Rebate Program

Incentive Amount:

- **Complete Energy Solutions**
 - Non-bundled Lighting: \$0.11/kWh
 - Non-bundled Refrigeration: \$0.13/kWh
 - Non-bundled HVAC: \$0.16/kWh
 - Bundled Lighting and Refrigeration: \$0.13/kWh
 - Bundled Lighting and HVAC: \$0.16
 - Bundled Lighting, Refrigeration, and HVAC: \$0.16/kWh
 - Electrification: \$0.32/kWh Other Measures (kitchen equipment, domestic hot water): \$0.16/kWh
- **Electrification**
 - Heat Pump Water Heater: \$4,500 - \$7,000
 - Heat Pump Space Heater: \$1,500 - \$6,000/ton
- **Kitchen Equipment** Induction Cooking: \$800/hub
- **Electric Vehicle** Commercial EV: \$4500/handle

Maximum Incentive:

Custom Retrofit: \$250,000

Integrated Design Solutions: \$250,000 for owners plus \$10,000 for design teams

Applicable Sectors:

Commercial, Industrial, Multifamily Residential

Technology:

Solar Water Heat

Refrigerators/Freezers, Lighting, Lighting Controls/Sensors, Heat pumps, Air conditioners, Motors, Motor VFDs, Food Service Equipment, Commercial Cooking Equipment, LED Lighting, Commercial Refrigeration Equipment, Industrial Systems General, Industrial System / Process Specific, HVAC

Summary

Customers who know the energy upgrades they want to install, have a contractor, and are ready to start should consider the Express Energy Solutions. For customers who don't know where to start, the Complete Energy Solutions program may be a good place to begin. Complex, large, and industrial projects are often good candidates for the Custom Retrofit Program. For new construction measures, customers should consider the Integrated Design Solutions Program. SMUD offers incentives for bundled and non-bundled energy efficiency upgrades.

SMUD - Residential Energy Efficiency Rebate Program

<https://www.smud.org/en/Rebates-and-Savings-Tips/Rebates-for-My-Home>

(888) 742-7683

Incentive Type: Rebate Program

Incentive Amount:

- **Appliances**
 - Induction Cooktop: \$100 - \$750
 - Heat Pump Water Heater: Up to \$3,000
 - Clothes Washer: \$100
 - Refrigerator: \$50
 - Smart thermostat: \$50
- **Heating and Cooling**
 - Two-Stage Package Heat Pump: \$2,000
 - Variable-Stage Heat Pump: \$3,500
 - Panel Upgrade: \$2,500
 - Multi Heat Pump HVAC Upgrade: \$750
- **Recycling**
 - Mercury Thermostat: \$30 each
 - CFL Bulbs: See program for details

Applicable Sectors:

Residential

Technology:

Clothes Washers, Refrigerators/Freezers, Water Heaters, Heat pumps, Programmable Thermostats, HVAC

Summary

Sacramento Municipal Utility District (SMUD) offers incentives for its residential customers to purchase and install energy-efficient equipment and measures for their homes. Rebate charts of eligible products and equipment are available on the SMUD program website listed above. Equipment requirements may be found on the rebate chart and must be met by all participating customers.

SoCalGas - Custom Non-Residential Energy Efficiency Program

<https://www.socalgas.com/for-your-business/energy-savings/rebates-and-incentives>

(800) 508-2348

Incentive Type: Rebate Program

Incentive Amount:

- **COMMERCIAL/INDUSTRIAL EQUIPMENT**
- Commercial Boiler: \$5.00 - \$9.00 per MBtuh
- Gas Modulating Controller: Up to \$750 per kit unit
- Greenhouse Curtain: \$0.30 per sq. ft.
- Infrared Film (for Greenhouses): \$0.02 per sq. ft.
- Heat Recovery Rooftop Unit (HR-RTU): \$3,000 per unit
- Laminar Flow Restrictor (LFR): \$6.50 per unit
- Pipe/Fittings Insulation: \$2 - \$4 per linear ft. and per \$8 - \$32 per fitting
- Pool Cover: \$1 per sq. ft.
- Pool Heater : \$2 - \$3 per MBtuh
- Pre-rinse Spray Valve (PRSV): \$20 per unit
- Process Heating Boiler: \$1 - \$2 per MBtuh
- Recirculating Pump Control: \$9.50 per dwelling unit
- Recirculating Pump Time Clock: \$300 per time clock
- Space Heating Boiler: \$0.50 - \$3 per MBtuh
- Steam Boiler Stack Economizer: \$1 - \$2 per MBtuh
- Steam Trap for Commercial Customers: \$100 per unit
- Storage/Tankless Commercial Water Heaters: \$2 - \$8 per MBTUH
- Tank Insulation: \$2 - \$3 per sq. ft.

- **FOOD SERVICE EQUIPMENT**

- Combination Oven: \$1,500 - \$3,000 per oven
- Commercial Conveyor Broiler: \$1,500 per unit
- Commercial Dishwasher: \$500 - \$750 per unit
- Commercial Fryer: \$900 per vat
- Commercial Griddle: \$150 per linear ft.
- Commercial Rack Oven: \$2,000 per oven
- Commercial Underfired Broiler: \$600 per linear ft.
- Convection Oven: \$600 per oven
- Conveyor Oven: \$1,200 per oven deck
- Pressureless Steamer: \$2,000 per compartment
- Storage Commercial Water Heaters: \$2 - \$8 per kBtuh
- Tankless Commercial Water Heaters: \$0.45 - \$15 per kBtuh

Applicable Sectors:

Commercial, Industrial, Federal Government, Agricultural

Technology:

Clothes Washers, Dishwasher, Equipment Insulation, Water Heaters, Boilers, Steam-system upgrades, Processing and Manufacturing Equipment, Agricultural Equipment, Comprehensive Measures/Whole Building, Custom/Others pending approval, Other EE, Food Service Equipment, Pool Pumps, Tankless Water Heater

Summary

The SoCalGas Energy Efficiency Rebates for Business (EERB) program provides rebates on qualifying energy-efficient natural gas equipment and improvements for your business needs. First, SoCalGas estimates the energy savings and incentive. Incentives are paid based on the quantity of therms saved resulting from the installation of the new equipment or system. In conjunction with the energy-efficiency rebate and incentive programs, we're offering qualified customers zero-percent, unsecured loans to finance the purchase and installation of eligible energy-efficiency upgrades.

SoCalGas - Multi-Family Residential Rebate Program

<https://www.socalgas.com/for-your-business/energy-savings/rebates-for-property-managers-owners>

(800) 508-2348

Incentive Type: Rebate Program

Incentive Amount:

- **Water Heaters**
- Central System (CS) Natural Gas (NG) Water Storage Heater: up to \$7.50/MBtu
- CS NG Boilers: up to \$6/MBtu
- CS NG Tankless Water Heaters: up to \$6/MBtu
- NG Tankless Water Heaters (In Dwelling): \$600/unit
- Controllers for NG Water Heaters and/or Boilers: \$700 - \$1,400
- **Oven Rebates** Energy-Efficient Residential Gas Oven: \$100/unit
- **Fireplace Inserts Rebates** Fireplace Insert Natural Gas: \$300 - \$500/unit

Applicable Sectors:

Multifamily Residential

Technology:

Water Heaters, Furnaces, Boilers, Energy Mgmt. Systems/Building Controls, Other EE, Tankless Water Heater

Summary

The program offers rebates for the installation of qualified energy-efficient products in apartment dwelling units and in the common areas of apartment and condominium complexes, and common areas of mobile home parks.

SoCalGas - Non-Residential Energy Efficiency Rebate Programs

<https://www.socalgas.com/for-your-business/energy-savings/rebates-and-incentives>

(800) 508-2348

Incentive Type: Rebate Program

Incentive Amount:

- **2023 Energy Efficiency Rebates**
- Commercial Boiler: \$5 - \$9 / MBtuh
- Gas Modulating Controller: Up to \$750 per kit unit
- Greenhouse Curtain: \$0.30 / sq. ft.
- Infrared Film (for Greenhouses): \$0.02 / sq. ft.
- Heat Recovery Rooftop Unit (HR-RTU): \$3,000 / unit
- Laminar Flow Restrictor (LFR): \$6.50 / unit
- Pipe/Fittings Insulation: \$2 - \$4 / linear ft. / \$8 - \$32 per fitting
- Pool Cover: \$1 / sq. ft.
- Pool Heater: \$2 - \$3 / MBtuh
- Pre-rinse Spray Valve (PRSV): \$20 / unit
- Process Heating Boiler: \$1 - \$2 / MBtuh
- Recirculating Pump Control: \$9.50 per dwelling unit
- Recirculating Pump Time Clock: \$300 per time clock
- Space Heating Boiler: \$0.50 - \$3 / MBtuh
- Steam Boiler Stack Economizer: \$1 - \$2 / MBtuh
- Steam Trap for Commercial Customers: \$100 / unit
- Storage/Tankless Commercial Water Heaters: \$.45 - \$15 / Mbtuh
- Tank Insulation: \$2 - \$3 / sq. ft.

- **Food Service Equipment**

- Combination Oven: \$1,500 - \$3,000/oven
- Commercial Conveyor Broiler: \$1,500/unit
- Commercial Dishwasher: \$500 - \$750/unit
- Commercial Fryer: \$900/vat
- Commercial Griddle: \$150/linear ft.
- Commercial Rack Oven: \$2,000/oven
- Commercial Underfired Broiler: \$600/linear ft.
- Convection Oven: \$600/oven
- Conveyor Oven: \$1,200/oven deck
- Pressureless Steamer: \$2,000/compartment
- Storage Commercial Water Heaters: \$2 - \$8/kBtuh
- Tankless Commercial Water Heaters: \$.45 - \$15/kBtuh

Applicable Sectors:

Commercial, Industrial, Agricultural

Technology:

Clothes Washers, Dishwasher, Water Heaters, Boilers, Insulation, Commercial Cooking Equipment, Pool Pumps, Tankless Water Heater, HVAC

Summary

The Energy Efficiency Rebates For Businesses (EERB) for general and small business covers the cost of prescriptive improvements, such as the installation of commercial grade clothes washers, boilers, water heaters, steam trap replacement and other energy efficient measures

SoCalGas - Non-Residential On-Bill Financing Program

<https://www.socalgas.com/for-your-business/energy-savings/zero-percent-financing>

(800) 427-6584

Incentive Type: Loan Program

Incentive Amount:

- Business and Multi-Family: \$250,000/meter
- Institutional Customers and Low-income Multi-family: \$250,000/meter
- State of California: \$1,000,000

Loan Term:

- Business, Multi-Family, Low-Income Multi-Family Customers: 10 years or useful equipment life (whichever is shorter)
- Institutional Customers: 15 years or useful equipment life (whichever is shorter)
- State of California: 15 years or useful equipment life (whichever is shorter)

Interest Rate:

0%

Applicable Sectors:

Commercial, Industrial, Local Government, Nonprofit, Schools, State Government, Federal Government, Tribal Government, Agricultural, Multifamily Residential, Institutional

Technology:

Furnaces, Boilers, Heat recovery, Steam-system upgrades, Other EE, Insulation, Commercial Cooking Equipment

Summary

The SoCalGas On-Bill Financing (OBF) program offers qualified business customers as well as multi-family residential owners 0% financing from \$5,000 to \$250,000 for qualifying natural gas equipment loans. All institutional customers (i.e. counties, cities, school districts, etc.) as well as low-income multifamily owners may receive \$5,000 to \$250,000 per meter, and State of California institutions can borrow up to \$1,000,000 for one service account.

Projects must qualify for at least one SoCalGas energy-efficiency program, and is including but not limited to the purchase and installation of boiler economizers, boilers, commercial cooking equipment, pool covers and heaters, pipe & tank insulation, steamers, furnaces, heat recovery systems, natural gas engines, regenerative thermal oxidizers, and wastewater heat recovery systems. For other products that are not listed but have a payback period qualifying for OBF, contact SoCalGas.

The program is open to all non-residential customers, including owners of multi-family units who do not live on premises. Participants must have had an active account for the past two years and good credit standing as determined by the Utility. The funds may be used for a wide variety of efficiency improvement projects, and the monthly loan payments will be added directly to the customer's bill. Monthly energy savings help to offset the monthly loan charges.

SoCalGas - Residential Energy Efficiency Rebate Programs

SoCalGas - Residential Energy Efficiency Rebate Programs

(888) 431-2226

Incentive Type: Rebate Program

Incentive Amount:

- ***Appliances must be ENERGY STAR qualified***
- **Natural Gas Product Rebates**
- Natural Gas Oven: \$100
- Furnace: \$115 - \$1,000/unit
- Clothes Dryer: \$70
- Fireplace Insert: \$300/unit
- Freestanding Oven: \$100/unit
- Pool Heater: \$400 - \$750
- Storage Water Heater: \$75/unit
- Tankless Water Heater: \$80 - \$1,200/unit
- Solar Thermal Water Heating System: \$2,500 - \$4,500/unit (UEF & capacity-dependent)

Applicable Sectors:

Residential

Technology:

Solar Water Heat

Water Heaters, Furnaces, Other EE, Food Service Equipment, Tankless Water Heater

Summary

The Southern California Gas Company (SoCalGas) Home Energy Efficiency Rebate Program offers cash rebates on qualifying energy-efficiency upgrades or improvements made to single family homes, multi-family apartments, or attached residential units (maximum of four). Prescriptive rebates are available for qualifying Energy Star natural gas dryers, water heaters, storage water heaters, furnaces and solar thermal water heating systems. Prescriptive rebates are also available for natural gas ovens, fireplace inserts and pool heaters. These appliance rebates can be redeemed at the point of sale through participating retailers.

If the equipment is bought at a non-participating retailer, mail-in rebates are available. Mail-in rebates are also available for central natural gas furnaces, attic and wall insulation, and tankless water heaters. Eligible equipment must meet the specifications listed by SoCalGas. Rebates are available on a first-come, first-served basis until funds are depleted. Customers should contact SoCalGas prior to purchasing an eligible improvement to ensure that there is adequate funding.

Solar Contractor Licensing

http://www.cslb.ca.gov/About_Us/Library/Licensing_Classifications/

(916) 255-3900

Incentive Type: Regulatory Policy

Applicable Sectors:

Installers/Contractors

Technology:

Solar - Passive, Solar Water Heat, Solar Space Heat, Solar Thermal Electric, Solar Thermal Process Heat, Solar Photovoltaics, Solar Pool Heating

Summary

The California Contractors State License Board administers contractor licenses. The C-46 Solar Contractor license covers active solar water and space heating systems, solar pool heating systems, and photovoltaic systems. C-46 requirements include four years of experience and passing the business and law exam and the trade exam. Independent license schools offer courses to prepare for license exams.

Sonoma County Energy Independence Program (SCEIP)

<https://sonomacountyenergy.force.com/financing/s/about-sceip-financing>

(707) 565-6470

Incentive Type: PACE Financing

Incentive Amount:

- Minimum financing amount is \$2,500. Financing is repaid through a special assessment on property tax bills. Financing between \$2,500 and \$5,000 will be set for repayment in 10 years. Projects over \$5,000 may be repaid over 10 or 20 years, at the property owner's discretion. Projects of \$60,000 up to \$500,000 will require approval by the Program Administrator. Projects valued at \$500,000 and above will require specific approval by the Board of Supervisors.

Applicable Sectors:

Commercial, Industrial, Residential, Multifamily Residential

Technology:

Solar Water Heat, Solar Photovoltaics, Geothermal Heat Pumps, Combined Heat & Power, Solar Pool Heating, Fuel Cells using Renewable Fuels

Water Heaters, Lighting, Lighting Controls/Sensors, Furnaces, Heat pumps, Air conditioners, Caulking/Weather-stripping, Duct/Air sealing, Building Insulation, Windows, Roofs, Motors, Other EE, Reflective Roofs, Pool Pumps, LED Lighting

Summary

Sonoma County's Energy Independence Program (SCEIP) gives property owners the option of financing permanent energy efficiency, water conservation, renewable generation, wildfire safety, and seismic strengthening projects. PACE financing is repaid as an assessment on the property's regular tax bill.

Southern California Regional Energy Network (SoCalREN) - Multifamily Residential Energy Efficiency Rebate Program

<https://socalren.org/multifamily/property-owners>

Incentive Type: Rebate Program

Incentive Amount:

- Disadvantaged Communities (DACs)
- \$0.57/kWh saved
- \$6.00/thm saved
- Non-DAC Properties
- \$0.33/kWh saved
- \$3.50/thm saved

Applicable Sectors:

Multifamily Residential

Technology:

Water Heaters, Lighting, Heat pumps, LED Lighting, HVAC

Summary

Southern California Regional Energy Network (SoCalREN) offers a variety of incentives for multifamily energy efficient equipment upgrades to residents of Los Angeles County. Incentives are available for lighting, water heating, HVAC systems, and others.

Statewide Solar Permitting Standards

Incentive Type: Regulatory Policy

Incentive Amount:

- Solar/Wind Permitting Standards

Applicable Sectors:

Commercial, Industrial, Local Government, Residential

Technology:

Solar Water Heat, Solar Space Heat, Solar Photovoltaics

Summary

Two bills signed in 2012 (AB 1801 and SB 1222) place limits on the fees that cities, counties, cities and counties, and charter cities can charge for a solar permit. CA Government Code § 65850.55 specifies that a local government cannot base the fee for a solar permit on the value of the solar system or the value of the property on which the system will be installed. It also requires the local government to separately identify every fee charged on the invoice provided to the applicant.

CA Government Code § 66015 restricts a city, county, city and county, or charter city from charging more for a solar permit than the estimated reasonable cost of providing the service for which the fee is charged.

AB 2188 (CA Government Code § 65850.5) of September 2014 required all city, county, and city and county governments to adopt an ordinance that creates an expedited streamlined permitting process for small residential rooftop solar energy systems. In developing an expedited permitting process, the city, county, or city and county must provide a checklist of all requirements for small rooftop solar energy systems to comply with to be eligible for expedited review.

Technology and Equipment for Clean Heating (TECH) Initiative

<https://energy-solution.com/tech-incentives/>

(510) 482-4420

Incentive Type: Rebate Program

Incentive Amount:

- \$120 million
- Multi-family See the program guide for Multi-family properties
- **Single-Family**
- HVAC: \$1,000 per outdoor condensing unit
- Heat Pump Water Heater (Gas replacement): \$3,100
- Heat Pump Water Heater (Electric replacement): \$1,000

Applicable Sectors:

Residential, Multifamily Residential

Technology:

Water Heaters, Heat pumps

Summary

The Technology and Equipment for Clean Heating (TECH) Initiative provides incentives directly to contractors to support the installation of heat pump technologies in existing single-family and multi-family properties.

Tri-County Regional Energy Network (3C-REN) - Multifamily Residential Energy Efficiency Rebate Program

<https://www.3c-ren.org/multifamily>

(805) 724-0709

Incentive Type: Rebate Program

Incentive Amount:

- Heat Pump Water Heater: Up to \$1,500
- Furnace: Up to \$1,500
- Whole Building: Up to \$1,000/apartment

Applicable Counties:

Ventura County, Santa Barbara County, San Luis Obispo County

Applicable Sectors:

Multifamily Residential

Technology:

Clothes Washers, Dishwasher, Refrigerators/Freezers, Water Heaters, Lighting, Furnaces, Heat pumps, Programmable Thermostats, Duct/Air sealing, Building Insulation, Windows, Motor VFDs, Comprehensive Measures/Whole Building, Insulation, LED Lighting

Summary

Tri-County Regional Energy Network (3C-REN) offers a variety of incentives for energy efficient equipment upgrades to multifamily property owners in the counties of San Luis Obispo, Santa Barbara, and Ventura. Eligible equipment includes heat pumps, water heaters, smart thermostats, insulation, air sealing, windows, lighting, and others.

Truckee Donner Public Utility District - Energy Conservation Rebate Program

<https://www.tdpud.org/customer-service/conservation>

(530) 587-3896

Incentive Type: Rebate Program

Incentive Amount:

- **APPLIANCES**
 - ENERGY STAR® Air Purifier: Up to \$50 per unit
 - Induction Cooktop or Range: \$150 per unit
 - Induction Cooktop Only: \$600 per unit
- **HVAC**
 - Heat Pump (Replacing Electric): Up to \$750 per ton
 - Heat Pump (Replacing Gas Furnace): Up to \$1,000 per ton
 - New Heat Pump System: \$200 - \$800 per ton
- **BUILDING ENVELOPE**
 - Building Envelope Air Leak Test: Up to \$200
 - Central System Duct Leakage Test: Up to \$200
 - Building Envelope Air Leakage Mitigation: 75% up to \$500
 - Central Air Distribution System Duct Mitigation: 75% up to \$500
 - Efficient Windows: \$3.50 per sq. ft.
- **ELECTRIC VEHICLE** Residential Energy Star Listed EV Charger: \$600
 - Residential EV Charger SMART Charger: Additional \$350
- **OTHER**
 - Water Efficient Toilet: \$70 - \$100/toilet
 - Main Electric Panel: \$1,000

Applicable Sectors:

Commercial, Residential

Technology:

Clothes Washers, Dishwasher, Refrigerators/Freezers, Heat pumps, Air conditioners, Duct/Air sealing, Windows, HVAC

Level-2 Electric Vehicle Service Equipment

Summary

Truckee Donner Public Utility District (TDPUD) offers incentives for customers to improve the energy efficiency of homes and businesses. Participants must be a TDPUD electric customer (and water customer for incentives for clothes washers) to participate. Qualifying equipment for this rebate include light bulbs, refrigerator, windows, dishwashers, electric vehicle chargers and more. For more information on this program, visit the program website or contact the utility directly.

Turlock Irrigation District - Commercial Energy Efficiency Rebate Program

<https://www.tid.org/customer-service/save-energy-money/rebates/>

Incentive Type: Rebate Program

Incentive Amount:

- **Electric Vehicles**
 - Commercial EV Charger: \$1,000
 - Commercial EV Infrastructure: Up to \$15,000
 - 3DC Fast Charger: up to \$20,000 per charger, max \$50,000 per site
 - Commercial EV Fleet: Up to \$5,000 per vehicle, varies based on size and class, see website for details
- **Variable Frequency Drive Fans**: \$100 per horsepower per fan
- **Energy Star® VSD Pool Pump**: \$400 per pump
- **LED Lights**: \$0.10 per first year kWh saved
- **Commercial HVAC**
 - Heat Pump less than 5 tons: \$500 per unit
 - Air Conditioning less than 5 tons: \$250-\$500 per unit
 - Heat Pump greater than 5 tons: \$120 per ton
 - Smart Thermostat: \$50 per unit
 - Commercial Pool Pump: \$400 per unit
- **Commercial Refrigeration Equipment**Varies, see website for details
- **Irrigation Pumps**: \$0.08 per first year kWh saved
- **Custom**: \$0.08 per first year kWh saved
- Includes lighting compressed air systems refrigeration systems chillers other systems and components

Applicable Sectors:

Commercial, Agricultural

Technology:

Chillers, Compressed air, Motors, Motor VFDs, Agricultural Equipment, Custom/Others pending approval, LED Lighting, Commercial Refrigeration Equipment

Zero Emission Vehicles, Medium-Duty Electric Vehicles, Heavy-Duty Electric Vehicles, Electric School Buses, Level-2 Electric Vehicle Service Equipment, Direct Current Fast Charging Equipment

Summary

In addition, custom rebates are available. More information can be found on the program website.

(All EV rebate applications must be received within 6 months of purchase)

Turlock Irrigation District - Residential Energy Efficiency Rebate Program

<https://www.tid.org/customer-service/save-energy-money/rebates/>

(209) 883-8222

Incentive Type: Rebate Program

Incentive Amount:

- LED Light Bulbs: \$10 (purchase of at least \$20 worth of bulbs)
- Ductless Mini Split AC: \$330/ton
- Central Heat Pump: \$500
- Central AC: \$250-\$500
- ENERGY STAR® Refrigerators: \$35
- ENERGY STAR® Heat Pump Water Heater: \$350
- ENERGY STAR® Room AC: \$50
- ENERGY STAR® Electric Hot Water Heater: \$75
- ENERGY STAR® Clothes Washers: \$35
- ENERGY STAR® Windows: \$2.00/square foot
- Induction Stovetop: \$100
- Heat Pump Water Heaters: \$350
- Electric Water Heater: \$75
- Sun Screens: \$1.00/square foot
- Whole House Fans: \$100
- Smart Thermostat: \$50
- Pool Pump: \$200
- Shade Tree: up to \$20 each
- New Construction: \$500
- **Electric Vehicles**
 - Electric Vehicle: \$500 per vehicle, up to \$1,200 if enrolled in "CARES" program
 - Electric Vehicle Charger: \$300, up to \$400 if enrolled in "CARES" program

Applicable Sectors:

Residential

Technology:

Passenger Electric Vehicles, Level-2 Electric Vehicle Service Equipment

Clothes Washers, Refrigerators/Freezers, Water Heaters, Heat pumps, Air conditioners, Programmable Thermostats, Building Insulation, Windows, Comprehensive Measures/Whole Building, Other EE, Pool Pumps, LED Lighting, HVAC

Summary

To be eligible for rebates, applications (including proof of purchase) must be received within 6 months.

U.S. Department of Energy - Loan Guarantee Program

<http://energy.gov/lpo/loan-programs-office>

(510) 748-3947

Incentive Type: Loan Program

Applicable Sectors:

Commercial, Industrial, Local Government, Nonprofit, Schools, State Government, Agricultural, Institutional

Technology:

Geothermal Electric, Solar Thermal Electric, Solar Thermal Process Heat, Solar Photovoltaics, Wind (All), Biomass, Hydroelectric, Fuel Cells using Non-Renewable Fuels, Landfill Gas, Tidal, Wave, Ocean Thermal, Daylighting, Fuel Cells using Renewable Fuels

Summary

Section 1703 of Title 17 of the Energy Policy Act (EPAct) of 2005 created the Department of Energy's (DOE's) Loan Guarantee Program. The program was reauthorized and revised by the American Recovery and Reinvestment Act (ARRA) of 2009 by adding Section 1705 to EPAct. The 1705 Program was retired in September 2011, and Loan Guarantees are no longer available under that authority. DOE, however, still has authority to issue Loan Guarantees under the old Section 1703 Program.

Under Section 1703, DOE is authorized to issue loan guarantees for projects with high technology risks that "avoid, reduce or sequester air pollutants or anthropogenic emissions of greenhouse gases; and employ new or significantly improved technologies as compared to commercial technologies in service in the United States at the time the guarantee is issued." Loan guarantees are intended to encourage early commercial use of new or significantly improved technologies in energy projects. The loan guarantee program generally does not support research and development projects.

The Inflation Reduction Act added an additional \$40 billion of loan authority to Section 1703 program. The legislation appropriated \$3.6 billion in credit subsidy to support the cost of those loans and set aside a percentage of these amounts for administrative expenses to help carry out the program, including monitoring and originating new loans. This new loan authority is open to all currently eligible Title 17 Innovative Clean Energy technology categories, including fossil energy and nuclear energy. The Inflation Reduction Act appropriations also support the expanded activities authorized by the Bipartisan Infrastructure Law that required these new appropriations to go into effect. These expanded activities support projects involving critical minerals processing, manufacturing, and recycling, and removing the innovation requirement for State Energy Financing Institution-backed projects. [Click here](#) for more information about how a project that reduces greenhouse gas emissions can be eligible without meeting the innovative technology requirement if the project receives support from a State Energy Financing Institution .

Energy Infrastructure Reinvestment (EIR) Program (Section 1706)

Advanced Technology Vehicles Manufacturing Loan Program

Tribal Energy Projects

USDA - Biorefinery, Renewable Chemical, and Biobased Product Manufacturing Assistance Program

<https://www.rd.usda.gov/programs-services/biorefinery-renewable-chemical-and-biobased-product-manufacturing-assistance>

(202) 720-0410

Incentive Type: Loan Program

Incentive Amount:

- Maximum loan amount: 80% of project costs or \$250 million
- Term: 20 years or the useful life of the project, whichever is less
- Rate: Lender's customary commercial interest rate, fixed or variable
- Fees vary with % guarantee and loan amount

Applicable Sectors:

Commercial, Construction, Industrial, Investor-Owned Utility, Local Government, Municipal Utilities, Cooperative Utilities, State Government, Federal Government, Tribal Government, Agricultural, Institutional

Technology:

Biomass, Municipal Solid Waste, Landfill Gas Renewable Chemicals, Biofuels

Summary

USDA Rural Development is offering loan guarantees for the development, construction, and retrofitting of commercial-scale biorefineries. Eligible borrowers include individuals, entities, Indian tribes, state or local governments, corporations, farm cooperatives or farm cooperative organizations, associations of agricultural producers, National Laboratories, institutions of higher education, rural electric cooperatives, public power entities, and consortium of any of these types of entities. Financed entities must provide at least 20% of the financing for eligible project costs, and applications for funding must include an independent feasibility study and technical assessment. Eligible project costs include the purchase and installation of equipment, construction or retrofitting costs, permit and licensing fees, working capital, land acquisition, and the costs of financing.

USDA - High Energy Cost Grant Program

<http://www.rd.usda.gov/programs-services/high-energy-cost-grants>

(510) 748-3947

Incentive Type: Grant Program

Incentive Amount:

- \$10 million (2021 solicitation)
- \$100,000-\$3,000,000
- Maximum Incentive: \$3 million

Applicable Sectors:

Commercial, Industrial, Local Government, Nonprofit, Residential, Schools, State Government, Tribal Government, Institutional

Technology:

Solar Water Heat, Solar Space Heat, Solar Thermal Electric, Solar Thermal Process Heat, Solar Photovoltaics, Wind (All), Biomass, Hydroelectric, Wind (Small), Hydroelectric (Small)

Summary

The U.S. Department of Agriculture (USDA) offers an ongoing grant program for the improvement of energy generation, transmission, and distribution facilities in rural communities. This program began in 2000. Eligibility is limited to projects in communities that have average home energy costs at least 275% above the national average. Retail power suppliers serving rural areas are eligible to apply for grant funding, including non-profits (cooperatives and limited dividend or mutual associations), commercial entities, state and local governments entities, and tribal governments. Under the most recent solicitation for projects, a total of \$7 million was available for qualifying projects. Under this solicitation grants ranging from \$100,000 to \$3 million were available for a variety of activities.

USDA - Rural Energy for America Program (REAP) Energy Audit and Renewable Energy Development Assistance (EA/REDA) Program

<http://www.rd.usda.gov/programs-services/rural-energy-america-program-energy-audit-renewable-energy-development-assistance>

Incentive Type: Grant Program

Applicable Sectors:

Local Government, Schools, State Government, Federal Government, Tribal Government, Agricultural, Institutional

Summary

The Renewable Energy for America Program (REAP) Energy Audit and Renewable Energy Development Assistance Program (EA/REDA) provides assistance to agricultural producers and rural small businesses for energy audits and renewable energy technical assistance including renewable energy site assessments.

Applicants must submit separate applications for assistance, limited to one energy audit and one REDA per fiscal year. The maximum aggregate amount of an energy audit and REDA grant in a Federal fiscal year is \$100,000.

Eligible project costs for eligible applicants includes salaries directly related to the project, travel expenses directly related to conducting energy audits or renewable energy development assistance, office supplies (e.g., paper, pens, file folders), administrative expenses, up to a maximum of 5 percent of the grant, which include but are not limited to utilities, office space, operation expenses of office and other project related equipment.

Funds may not be used for construction-related activities, purchase or lease of equipment, payment of judgments or debt owed the government, goods or services provided by a person or entity who has a conflict of interest, costs incurred by preparing an application package, or funding political or lobbying activities.

USDA - Rural Energy for America Program (REAP) Grants

<http://www.rd.usda.gov/reap>

(202) 690-4730

Incentive Type: Grant Program

Incentive Amount:

- Renewable Grants: up to \$1 million
- Efficiency Grants: up to \$500,000
- Loan and Grant Combination: Grant portion must exceed \$1,500
- Maximum Incentive: 25% of cost for most projects

Applicable Sectors:

Commercial, Agricultural

Technology:

Solar Water Heat, Solar Space Heat, Geothermal Electric, Solar Thermal Electric, Solar Photovoltaics, Wind (All), Biomass, Hydroelectric, Hydrogen, Geothermal Heat Pumps, Combined Heat & Power, Tidal, Wave, Ocean Thermal, Wind (Small), Hydroelectric (Small), Geothermal Direct-Use, Anaerobic Digestion, Fuel Cells using Renewable Fuels, Microturbines

Summary

The Rural Energy for America Program (REAP) provides financial assistance to agricultural producers and rural small businesses in America to purchase, install, and construct renewable energy systems, make energy efficiency improvements to non-residential buildings and facilities, use renewable technologies that reduce energy consumption, and participate in energy audits and renewable energy development assistance.

USDA - Rural Energy for America Program (REAP) Loan Guarantees

<http://www.rurdev.usda.gov/rbs/busp/bprogs.htm>

(202) 690-4730

Incentive Type: Loan Program

Incentive Amount:

- \$25 million per loan guarantee

Applicable Sectors:

Commercial, Agricultural

Technology:

Solar Water Heat, Solar Space Heat, Geothermal Electric, Solar Thermal Electric, Solar Photovoltaics, Wind (All), Biomass, Hydroelectric, Hydrogen, Geothermal Heat Pumps, Combined Heat & Power, Tidal, Wave, Ocean Thermal, Wind (Small), Hydroelectric (Small), Geothermal Direct-Use, Anaerobic Digestion, Fuel Cells using Renewable Fuels, Microturbines

Summary

The Rural Energy for America Program (REAP) provides financial assistance to agricultural producers and rural small businesses in rural America to purchase, install, and construct renewable energy systems, make energy efficiency improvements to non-residential buildings and facilities, use renewable technologies that reduce energy consumption, and participate in energy audits and renewable energy development assistance.

Renewable energy projects for the Renewable Energy Systems and Energy Efficiency Improvement Guaranteed Loan and Grant Program include wind, solar, biomass and geothermal, and hydrogen derived from biomass or water using wind, solar, or geothermal energy sources. These grants are limited to 25% of a proposed project's cost, and a loan guarantee may not exceed \$25 million. The combined amount of a grant and loan guarantee must be at least \$5,000 (with the grant portion at least \$1,500) and may not exceed 75% of the project's cost. In general, a minimum of 20% of the funds available for these incentives will be dedicated to grants of \$20,000 or less.

Grants and Guaranteed Loans are generally available to small businesses and agricultural producers and other entities as determined by USDA. To be eligible for REAP grants and guaranteed loans, applicants must demonstrate sufficient revenue to cover any operations and maintenance expense as well as any applicable debt service of the project for the duration of the guaranteed loan or grant. Rural small businesses must be located in rural areas, but agricultural producers may be located in non-rural areas.

Eligible project costs include purchasing energy efficiency improvements or a renewable energy system, energy audits or assessments, permitting and licensing fees, and business plans and retrofitting. For new construction the replacement of older equipment with more efficient equipment may be eligible as a project cost only when a new facility is planned to be more efficient and similarly sized than the older facility. Working capital and land acquisition are only eligible for loan guarantees.

Weatherization Assistance Program (WAP)

<https://www.energy.gov/eere/wap/how-apply-weatherization-assistance>

Incentive Type: Grant Program

Incentive Amount:

- Free; specific improvements will be determined on a case-by-case basis depending on the specific needs of the home

Applicable Sectors:

Tribal Government, Low Income Residential

Technology:

Furnaces, Heat pumps, Air conditioners, Caulking/Weather-stripping, Duct/Air sealing, Building Insulation, Doors, Other EE, Insulation

Summary

Through the Weatherization Assistance Program (WAP), the U.S. Department of Energy (DOE) issues grants to states, territories, and some Indian tribes to improve the energy efficiency of low-income homes in their jurisdictions. The DOE and state governments do not directly issue grants to low-income families or perform the retrofits. Instead, states, territories and Indian governments contract with local governments and nonprofit agencies that provide the weatherization services. Low-income homes that qualify for the program will receive free weatherization services based on the needs of the home, and the rules established by the state.

Interested low-income families will need to apply for assistance through their state weatherization agency. Each state establishes its own income requirements based on DOE guidelines. However, under DOE guidelines, applicants are automatically eligible to receive weatherization assistance (pending the availability of funds) if they receive Supplemental Security Income or Aid to Families with Dependent Children.

Western Riverside Council of Governments - Home Energy Renovation Opportunity (HERO) Financing Program

<https://wrcog.us/DocumentCenter/View/4469/CPP-V2-2018-FINAL>

(855) 437-6411

Incentive Type: PACE Financing

Incentive Amount:

- Eligible products can be financed for up to 25 years, depending on the useful life of the eligible product.
- Minimum financing: \$5,000
- The financing may not exceed fifteen percent (15%) of the market value of the property, up to the first seven hundred thousand dollars (\$700,000) of the property's market value, and ten percent (10%) of the remaining value of the Property above seven hundred thousand dollars (\$700,000) minus any PACE assessment on the property. The total amount of any annual property taxes and assessments shall not exceed five percent (5%) of the property's fair market value, determined at the time program financing is approved.

Applicable Sectors:

Residential

Technology:

Solar Water Heat, Solar Photovoltaics, Wind (All), Geothermal Heat Pumps, Wind (Small)

Lighting, Furnaces, Boilers, Heat pumps, Air conditioners, Programmable Thermostats, Caulking/Weather-stripping, Duct/Air sealing, Building Insulation, Windows, Roofs, Custom/Others pending approval, Other EE, LED Lighting

Summary

Western Riverside Council of Governments (WRCOG) is offering homeowners in WRCOG participating jurisdictions an opportunity to finance energy and water efficiency projects in their homes. The Home Energy Renovation Opportunity (HERO) Program is a Property Assessed Clean Energy (PACE) financing program. PACE programs allow homeowners to finance energy improvements, and to repay the financing through special assessments on their property taxes. In most cases the property tax assessment will stay with the property if it is sold, though the buyer's lender may impose restrictions on the transfer.

A wide variety of energy and water efficiency products permanently affixed to the property can qualify for this program. Light bulbs, appliances, and other products not permanently affixed to the property are ineligible for this program. Only contractors registered with the program or a property owner who has signed a Self-Install Agreement may install the financed equipment.

California Energy Resources



Empowering the professionals of today to understand, implement, and maximize tomorrow's world of sustainable energy resilience in business and the environment by advancing your professional career.

GreenNRG
T r a i n i n g S o l u t i o n s