

Pacific Gas and Electric Company
Energy Efficiency Rebates for Your Home

Residential Rebate Catalog

Saving energy for a brighter future.



Apply online for fast rebates at www.pge.com/myhome/erebates

About this Catalog

Pacific Gas and Electric Company (PG&E) offers rebates on hundreds of energy-efficient products and improvements for your home. When you purchase and install these products, you can save energy and money while reducing your impact on the environment.

Need help?

Smarter Energy Line
1-800-933-9555
www.pge.com/rebates

Por favor llamar al
1-800-660-6789
para información en
español.

詳情請致電
1-800-893-9555

How to Apply

1. **Read** the Terms and Conditions in the Residential Rebate application to determine if you are eligible for a rebate.
2. **Locate** the item(s) which you are applying for in this catalog or on www.pge.com/rebates and be sure to review the important qualification information.
3. **Purchase and Install** the product(s) in your home between January 1, 2010 and December 31, 2012.
4. **Complete** the application.

Completed forms and required documentation with proof of purchase should be sent to:

PG&E Residential Rebates
Integrated Processing Center
P.O. Box 7265
San Francisco, CA 94120-7265

What's Inside



Appliances

- High-Efficiency Clothes Washer2
- High-Efficiency Dishwasher.....2
- ENERGY STAR® Room Air Conditioner2
- Natural Gas Tank Water Heater3
- Electric Storage Water Heater3

General Improvements

- Attic and Wall Insulation4
- Residential Cool Roof.....5

HVAC

- Whole House Fan6
- Central Natural Gas Furnace6
- Central Natural Gas Furnace with
Built-in Variable Speed Motor (VSM)6
- Replacement Multiple Speed or
Variable Speed Motor (VSM)7

Pool Filtration Pumps

- Variable Speed and Variable
Flow Pool Filtration Pump or Motor7

Definitions

- Definitions8



Appliances

High-Efficiency Clothes Washer

Requirements:

- Customer must have natural gas and/or electricity distributed by PG&E to the installation address.
- Clothes washer must be a Consortium for Energy Efficiency (CEE) Tier 3 model. Go to www.cee1.org/resid/seha/rwsh/rwsh-prod.pdf for a list of qualifying clothes washers.
- Clothes washer must have a Modified Energy Factor (MEF) of 2.4 or greater.
- Clothes washer must have a Water Factor (WF) of 4.0 or less

Exclusions:

- Not all ENERGY STAR® clothes washers qualify for this rebate.
- CEE Tier 1 and 2 models do not qualify.

Additional Details:

- Customers residing in certain service areas may be eligible for higher rebate amounts through their local water agency. Please visit www.waterenergysavings.com for more information.

Rebate Code	Description	Rebate/Unit Measure
B345	High-Efficiency Clothes Washer – CEE Tier 3 – MEF of 2.4 or greater – WF of 4.0 or less	\$50.00/unit

High-Efficiency Dishwasher

Requirements:

- Customer must have natural gas and/or electricity distributed by PG&E to the installation address.
- Dishwasher electricity and water usage must not exceed the following maximum levels:
 - 324 kWh per year and 5.8 gallons per cycle for the \$30 rebate.
 - 307 kWh per year and 5.0 gallons per cycle for the \$50 rebate.
- Go to www.energystar.gov for a list of qualifying dishwashers and the corresponding kWh per year and gallons per cycle.

Exclusions:

- Not all ENERGY STAR dishwashers qualify for the higher rebate.

Rebate Code	Description	Rebate/Unit Measure
DW03	High-Efficiency Dishwasher – 324 kWh per year or less – 5.8 gallons per cycle or less	\$30.00/unit
DW06	Super High-Efficiency Dishwasher – 307 kWh per year or less – 5.0 gallons per cycle or less	\$50.00/unit

ENERGY STAR Room Air Conditioner



Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- Must be ENERGY STAR-qualified. Go to www.energystar.gov for a list of qualifying residential products.

Rebate Code	Description	Rebate/Unit Measure
H169	ENERGY STAR Room Air Conditioner	\$50.00/unit

Apply or check the status of your rebate online through eRebates at www.pge.com/myhome/erebates. For more information visit www.pge.com/rebates or call the Smarter Energy Line at 1-800-933-9555.



Appliances, continued

Natural Gas Tank Water Heater

Requirements:

- Customer must have natural gas distributed by PG&E to the installation address.
- Gas tank water heater must have an Energy Factor (EF) of:
 - 0.62 to 0.64 for the \$30 rebate.
 - 0.65 or greater for the \$50 rebate.
- Capacity must be 40 gallons or more.
- Must be new and meet or exceed all applicable local, state and federal standards.
- Go to www.ahridirectory.org for a list of qualifying residential water heaters that meet or exceed the EF requirements.

Exclusions:

- No instantaneous or tankless water heaters.

Rebate Code	Description	Rebate/Unit Measure
H722	Natural Gas Tank Water Heater Level 1 (EF of 0.62–0.64)	\$30.00/unit
H721	Natural Gas Tank Water Heater Level 2 (EF of 0.65 or greater)	\$50.00/unit

Electric Storage Water Heater

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- Electric storage water heater must have an Energy Factor (EF) of 0.93 or greater.
- Capacity must be 40 gallons or more.
- Go to www.ahridirectory.org for a list of qualifying residential water heaters that meet or exceed the EF requirements.

Exclusions:

- No instantaneous or tankless water heaters.

Rebate Code	Description	Rebate/Unit Measure
H154	Electric Storage Water Heater EF of 0.93 or greater	\$30.00/unit



General Improvements

Attic and Wall Insulation

Requirements for Attic and Wall Insulation:

- Customer must have natural gas and/or electricity distributed by PG&E for central space heating or cooling at the installation address.
- All insulation material must be new and meet or exceed all applicable local, state and federal standards.
- Insulation must be installed between a conditioned living area and an unconditioned non-living area.

Exclusions for Attic and Wall Insulation:

- Unconditioned non-living areas, such as garages and interior walls, do not qualify.
- New construction and floor insulation projects do not qualify.

Requirements for Attic Insulation Only:

- Must provide square footage of the insulated living space in order to calculate full rebate.
- Insulation must be installed in the attic of the conditioned living area.
- Documented, pre-existing insulation levels must be R-19 or less.
- Final insulation level must be R-38 or greater in eligible climate zones when the attic crawl space is adequate (24 inches or more between the bottom of the roof rafter and the top of the ceiling joists).
- Flat or low-pitched roofs insulated with foam board are eligible as long as R-19 or greater is achieved.

Exclusion for Attic Insulation Only:

- Based on Title 24 energy efficiency standards, homes in climate zones 1 and 16 do not qualify. To find your climate zone go to www.pge.com/climatezones.

Requirements for Wall Insulation Only:

- Existing walls must not have any previous insulation.
- Installed wall insulation must achieve R-13 or greater.

Application Process for Do-It-Yourself Installation:

- Please provide paid receipts confirming:
 - Retailer's information (name, address, phone number).
 - Total square footage.
 - Product description (e.g. R-38 insulation).
 - Number of units purchased (e.g. 12 rolls).

Application Process for Professional Contractors:

- Your contractor must provide and include the following on your proof of payment documentation or home improvement contract:
 - Total square footage of attic and/or wall insulation for the conditioned space only.
 - Estimated pre-existing (previous) R-value.
 - Final (installed) R-value.

Rebate Code	Description	Rebate/Unit Measure
H728	Attic Insulation CZ and R-value restrictions apply	\$0.15/sq. ft.
B25	Wall Insulation R-13 or greater	\$0.50/sq. ft.



General Improvements, continued

Residential Cool Roof

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- Only PG&E residential electric customers who own an existing single family or mobile home are eligible.
- Must reside in qualifying climate zone 2, 4, 11, 12 or 13.
- Only steep slope roofs qualify in climate zone 13. To find your climate zone go to www.pge.com/climatezones.
- Customer must have a central air conditioning (AC) system or be installing a new AC system concurrently.
- Check with your local city/county building department for any special requirements related to your selected product.
- Customer must purchase and have installed roofing materials that meet or exceed the Aged Solar Reflectance and Aged Thermal Emittance levels specified in the Rebate Level and Product Specifications Table along with being rated by the Cool Roof Rating Council (CRRC).
- The CRRC maintains a directory and searchable database of rated products at www.coolroofs.org.

Exclusions:

- Homes with portable or window air conditioning systems and evaporative coolers (e.g. swamp coolers) do not qualify.

Application Process:

- Rebate amount is based on the square footage over conditioned space that is cooled by your central air conditioning system.
- Can use conventional architectural overhangs in square footage calculations.
- Your contractor must provide and include the following on your proof of purchase documentation or home improvement contract:
 - Customer name and installation address.
 - Installation date.
 - Low or steep slope.
 - Total square footage.
 - Manufacturer, brand and model number as listed on the CRRC's product directory at www.coolroofs.org.
 - Whether paid in full or payment terms.

You may contact the Contractors State License Board (CSLB) at [1-800-321-CSLB](tel:1-800-321-CSLB) or at www.cslb.ca.gov to confirm your contractor's license status.

Rebate Level and Product Specifications Table

Rebate Code	Description	Aged Solar Reflectance	Aged Thermal Emittance	Rebate/Unit Measure
B86	Low Slope (excluding CZ13)	0.55 or greater	0.75 or greater	\$0.20/sq. ft.
B87	Steep Slope Level 1	0.35 or greater	0.75 or greater	\$0.20/sq. ft.
B88	Steep Slope Level 2	0.25 or greater	0.75 or greater	\$0.10/sq. ft.



HVAC

Whole House Fan

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- May be a new installation where none previously existed.
- One rebate per installation address, regardless of the number of units installed.
- The fan must move 1,000 cubic feet of air per minute (CFM) or more and be permanently installed (connected to the framing).

- Consult manufacturer's specifications to determine the proper fan size prior to purchase.
- Louvers between the living space and the attic should create an airtight seal when the fan is off.
- An insulated louver cover is also recommended for use in the winter.
- Go to www.pge.com/rebates for a list of qualifying products.

Rebate Code	Description	Rebate/Unit Measure
H187	Whole House Fan (only one per household)	\$100.00/unit

Central Natural Gas Furnace

Requirements:

- Customer must have natural gas distributed by PG&E to the installation address.
- All installations must replace the previously installed product.
- The central natural gas forced air furnace must have an Annual Fuel Utilization Efficiency (AFUE) rating of:
 - 94 percent to 95.9 percent for the \$150 rebate.
 - or
 - 96 percent or greater for the \$250 rebate.

- Go to www.ahridirectory.org to search for qualifying products that meet or exceed the requirements in the Furnace Rebate Table.

Furnace Rebate Table

Rebate Code	Description	Rebate/Unit Measure
H731	Central Natural Gas Furnace 94%–95.9% AFUE	\$150.00/unit
H729	Central Natural Gas Furnace 96% AFUE or greater	\$250.00/unit

Central Natural Gas Furnace with Built-In Variable-Speed Motor (VSM)

Requirements:

- Customer must have both natural gas and electricity distributed by PG&E to the installation address.
- Only available to homes located in climate zones (CZ) 11, 12, or 13. To find your climate zone go to www.pge.com/climatezones.
- All installations must replace the previously installed product.
- The central natural gas forced air furnace with Built-In Variable Speed Motor must have an AFUE rating of:
 - 94 percent to 95.9 percent for the \$200 rebate.
 - or
 - 96 percent or greater for the \$300 rebate.

- Go to www.ahridirectory.org to search for qualifying products that meet or exceed the requirements in the Furnace with VSM Rebate Table.
- A brushless DC motor, also known as an electronically commutated motor (ECM) also qualifies for this rebate.
- Note: Consult with your licensed contractor to verify your furnace has a built-in VSM.

Furnace with VSM Rebate Table

Rebate Code	Description	Rebate/Unit Measure
H732	Central Natural Gas Furnace 94%–95.9% AFUE with built-in VSM CZ restrictions apply	\$200.00/unit
H730	Central Natural Gas Furnace 96% AFUE or greater with built-in VSM CZ restrictions apply	\$300.00/unit

Apply or check the status of your rebate online through eRebates at www.pge.com/myhome/erebates. For more information visit www.pge.com/rebates or call the Smarter Energy Line at 1-800-933-9555.



HVAC, continued

Replacement Multiple-Speed or Variable-Speed Motor (VSM)

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- Must replace the existing single speed motor in the central HVAC air handler fan system, with a new variable speed motor or multiple speed motor that includes a controller.

- Controller must be set up to control the motor speed.
- Only available to homes located in climate zones (CZ) 11, 12, or 13. To find your climate zone go to www.pge.com/climatezones.
- A brushless DC motor, also known as an electronically commutated motor (ECM) also qualifies for this rebate.

Rebate Code	Description	Rebate/Unit Measure
H182	Replacement Multiple-Speed or Variable-Speed Motor (VSM) CZ restrictions apply	\$50.00/unit

Pool Filtration Pumps

Variable-Speed and Variable-Flow Pool Filtration Pump

Requirements:

- Customer must have electricity distributed by PG&E to the installation address.
- Follow all manufacturer installation requirements.
- All pumps must be new.
- Equipment and materials must meet or exceed all applicable local, state and federal standards.
- Rebates are for qualifying pumps, three horsepower or less, installed on new or existing residential in-ground swimming pools for primary filtration only. Visit www.pge.com/pools for a list of qualifying pumps and motors.
- Above-ground pool, pond, pool cleaner/booster, spa and water feature pumps do not qualify.

- New pump must be operated with a qualifying controller.
 - Customer may either use an existing qualifying controller or purchase and install a separate qualifying controller unit if the new variable-speed or variable-flow pump does not have a built-in qualifying controller.
 - Qualifying controller is a programmable controller that meets CA Title 20 regulation requirements. Must be able to operate the pool pump on at least two speeds and switch speeds automatically. Must default to the lowest speed after one normal cycle (24 hours) if temporary high speed override capability exists.

Application Process

- Provide manufacturer, make and model number of qualifying pump or motor unit, as applicable.
- Provide make and model number of existing or separately purchased qualifying controller if it is not built into the pump.

Rebate Code	Description	Rebate/Unit Measure
P107	Variable-Speed or Variable-Flow Pool Pump	\$100.00/unit

Definitions

Appliances

Energy Factor (EF): The measure of a water heater's efficiency. EF is based on recovery efficiency, standby losses and cycling losses. A higher EF indicates a more efficient water heater.

Gallons per Cycle: Measures the amount of water the dishwasher uses, on average, each time the dishwasher is operating. The less water that needs to be heated to operate a dishwasher results in less energy being used.

Kilowatt Hours per year (kWh per year): Measures how much electricity the dishwasher uses, on average, in one year. For dishwashers, the maximum annual kWh requirement is intended to limit dishwasher standby power use.

Modified Energy Factor (MEF): Measures energy consumption of the total laundry cycle (washing and drying). It indicates how many cubic feet of laundry can be washed and dried with one kWh of electricity. The higher the number, the greater the efficiency.

Water Factor (WF): Represents the number of gallons of water needed per cycle for each cubic foot of laundry. The lower number indicates lower consumption and more efficient use of water.

General Improvements

Aged Solar Reflectance: Refers to the roofing product's three-year solar reflectance rating.

Aged Thermal Emittance: Refers to the roofing product's three-year thermal emittance rating.

CA Climate Zones (CZ): Climate zones are based on energy use, temperature, weather and other factors. They are basically a geographic area that has similar climatic characteristics.

Conditioned Area/Space: The living area being heated or cooled by your heating, ventilation and air conditioning (HVAC) system.

Low slope: A low slope roof is a roof surface with a maximum slope of two inches "rise" for 12 inches "run" as defined in American Society for Testing and Materials Standard E 1918-97.

New Construction: A structure that is new and not physically attached or connected to an existing structure on the property.

Solar Reflectance: A measure of the ability of a surface material to reflect sunlight (including the visible, infrared and ultraviolet wavelengths) on a scale of zero to one.

Steep Slope: Steep slope roofs, or sloped roofs, are roof surfaces with a slope greater than two inches "rise" for 12 inches "run".

Thermal Emittance: The thermal emittance of a material refers to its ability to release absorbed heat. Scientists use a number between zero and one, or zero and 100 percent, to express emittance. With the exception of metals, most construction materials have emittance above 0.80.

R-Value: Insulation is rated in terms of thermal resistance, called R-value, which indicates the resistance to heat flow. A greater R-value corresponds with a greater insulating effectiveness.

Unconditioned Area: A non-living area that is not being heated or cooled by your heating, ventilation and air conditioning (HVAC) system such as the garage.

HVAC

Variable-Speed Motor (VSM): A motor with more than one speed, which includes multiple speed motors or true variable speed motors. Brushless DC motors, also known as electronically commutated motors, also qualifies for a rebate.

Whole House Fans: Pull hot air from the living space into the attic while pulling cool air in from outside. As a result, it is important to make sure there is adequate attic ventilation and at least one window open to allow the air to easily escape. These fans are usually installed in your home by attaching the fan to the ceiling joists in a central hallway.

The ways for your home to save money don't end here.

Looking for more information on rebates and incentives for your home? Visit www.pge.com/rebates to access the latest rebate information, catalogs, and guidance for your next energy efficiency upgrade.

If you're ready to apply for a rebate, you can download an application at www.pge.com or apply online through eRebates at www.pge.com/myhome/erebates. With PG&E's eRebates, you can also check the status of your rebate application.

In addition to rebates, PG&E offers a wide range of ways to save energy, money and help the environment. PG&E's energy survey can help you understand where your energy goes, pinpoint problem areas and start you on the path to an energy-efficient home. And, through PG&E's Breathe Easy Solutions, income-qualified residential customers can receive energy education, weatherization measures and even a monthly discount on energy bills, which can be helpful when there are unexpected changes or challenges in your financial situation.

Learn more about these programs, tools and offers at www.pge.com, or contact PG&E's Smarter Energy Line at 1-800-933-9555 or email smarter-energy@pge.com.



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