

Making ¢ents of Energy: Electricity Pricing

Your Bill: Generation, Transmission and Distribution

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Pacific Gas & Electric



PG&E Overview



We are focused on providing safe, reliable, and affordable natural gas and electricity to nearly **16 million** Californians

more than
23,000
employees

5.3 million
electric
customers

4.4 million
gas distribution
customers

49
counties served
in California

243
cities served
in California

7,677
MWh of owned
electric generation
capacity

\$55 billion
in assets

\$15 billion
in revenue



PG&E by the numbers

Service Area

70,000 SQUARE MILES



Service Area Population

16 million CALIFORNIANS
(that's 1 in 20 Americans!)



22,000+

EMPLOYEES WHO LIVE AND WORK
in the communities we serve



220,000+

SOLAR ROOFTOPS
CONNECTED TO OUR GRID,
a leader nationwide





Residential Electric Utility Bill Basics

Residential Customers are Defaulted to a specific Rate

- Currently this is the E1 Rate for PG&E
- California Utilities are testing Time of Use (TOU) rates in anticipation of default TOU rates

Both the default rate and some TOU rates have Tiers such that rates increase as usage increases

Residential Customers can elect to move to other rate schedules they qualify for

- CARE Rates for customers meeting certain financial criteria
- PG&E currently has three TOU rates available
- PG&E has special rate options for customers with Electric Vehicles

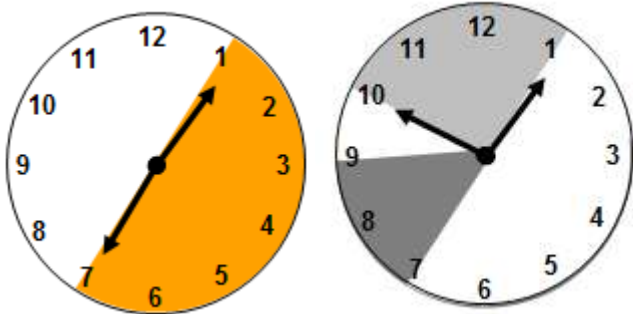
Customers with rooftop solar (Net Energy Metering, or NEM) receive credits in their bills based on the rate they are on (Recent decision requires NEM customers to be on TOU rates)



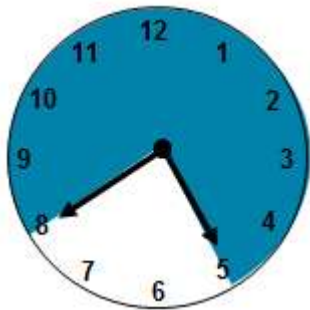
Rate Structures

Time of Use

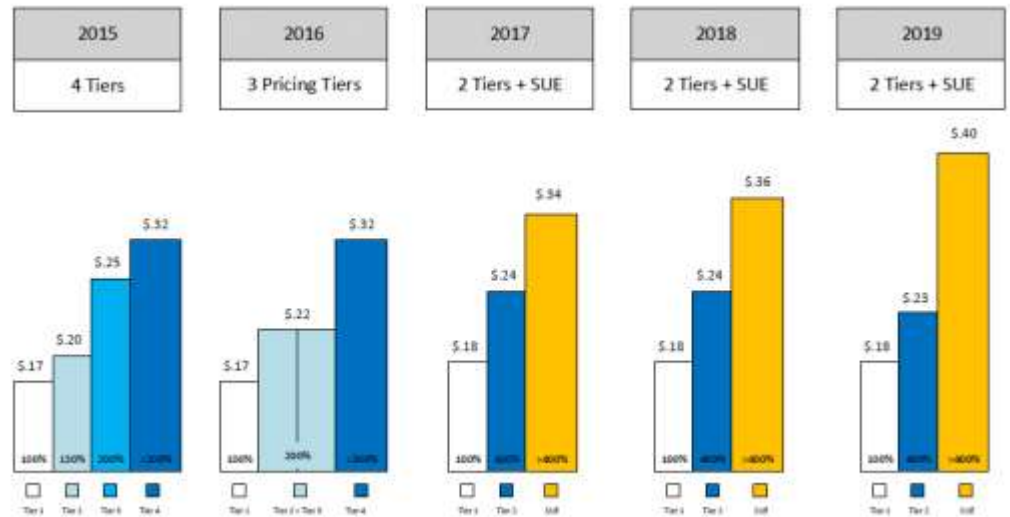
Weekday



All Other Hours (including Holidays)



Tiered



PEAK
 PART PEAK
 OFF PEAK



How is Residential Bill Calculated?

An E1 Rate Example:

ENERGY STATEMENT
www.pge.com/MyEnergy

Account No: 1023456789-D
Statement Date: 09/12/2013
Due Date: 10/03/2013

Details of Electric Charges
08/13/2013 - 09/12/2013 (31 billing days)
Service For: 1234 Main Street
Service Agreement ID: 3087654321
Rate Schedule: E1 RB Residential

Service Information
Meter #: 1098765432
Current Meter Reading: 41,899
Prior Meter Reading: 41,023
Total Usage: 877.000000 kWh
Baseline Territory: B
Heat Source: Not Electric
Serial: Q
Rotating Outage Block: 50

08/13/2013 - 09/12/2013	Your Tier Usage	1	2	3	4
Tier 1 Allowance	474.30 kWh (31 days x 15.3 kWh/day)				
Tier 1 Usage	474.300000 kWh @ \$0.19330				\$92.75
Tier 2 Usage	142.290000 kWh @ \$0.19040				27.10
Tier 3 Usage	40.410000 kWh @ \$0.31114				12.57
Energy Commission Tax					0.19
Total Electric Charges					\$96.91

Energy Charges Calculation – E1 Rate, R Summer

Tier 1 Allowance	427.8 kWh (31 days x 13.8 kWh/day)			
Tier 1 Usage	427.8 kWh	@	\$0.18353	\$ 78.51
Tier 2 Usage	427.8 kWh	@	\$0.24276	\$103.85
Tier 3 Usage	34.4 kWh	@	\$0.40307	\$ 13.87
Energy Commission Tax				
Total Electric Charges				\$196.23

A TOU Rate Example:

Details of Electric Charges
08/25/2016 - 09/25/2016 (32 billing days)
Service For: 123 Main Street
Service Agreement ID: 1234567890
Rate Schedule: E5 XH Residential Time-of-Use Service

Service Information
Meter #: 1000022223
Total Usage: 350,808,000 kWh
Baseline Territory: X
Heat Source: Electric
Serial: C
Rotating Outage Block: 130

Additional Messages
Time-Of-Use Customers: In 2015, Daylight Saving Time ends on 11/02/2015. To adjust for this, from 10/29/15 - 11/05/15 your time-of-use periods will begin and end one hour later.
PLEASE NOTE: You are enrolled in a Tiered rate plan where the price of energy increases based on the amount of energy used. Effective June 1, your rate plan will be simplified and the number of tiers will be reduced from 4 to 3. Your Energy Statements for June and July will still include 4 tiers, but the price per kWh for Tiers 2 and 3 will be the same. In August 2015, your Energy Statement will begin displaying only 3 tiers. For more information please visit www.pge.com/tierchange

08/25/2016 - 09/25/2016	Your Tier Usage	1	2	3
Tier 1 Allowance	297.50 kWh (32 days x 9.3 kWh/day)			
Tier 1 Usage				
Peak	45.220000 kWh @ \$0.34150			\$15.48
Part Peak	73.480000 kWh @ \$0.22032			16.50
Off Peak	178.800000 kWh @ \$0.14564			25.75
Tier 2 Usage				
Peak	8.054000 kWh @ \$0.40035			3.22
Part Peak	13.091000 kWh @ \$0.28508			3.73
Off Peak	31.861000 kWh @ \$0.20831			6.64
Energy Commission Tax				0.10
Total Electric Charges				\$72.52

Energy Charges Calculation – E6 Rate, R Summer

Tier 1 Allowance	297.6 (31 days x 9.3 kWh/day)			
Tier 1 Usage				
Peak	45.22 kWh	@	\$0.34307	\$15.51
Part. Peak	73.48 kWh	@	\$0.22780	\$16.74
Off Peak	178.90 kWh	@	\$0.15102	\$27.02
Tier 2 Usage				
Peak	8.05 kWh	@	\$0.40230	\$3.24
Part. Peak	13.09 kWh	@	\$0.28703	\$3.76
Off Peak	31.86 kWh	@	\$0.21026	\$6.70
Energy Commission Tax				
Total Electric Charges				\$72.97



What is in a Typical Bill?

The back of the Bill:

Important Phone Numbers - 24 hours per day, 7 days per week

Customer Service (All Languages; Relay Calls Accepted) 1-800-743-5000
TDD/TTY (Speech/Hearing Impaired) 1-800-652-4712

Service al Cliente en Español (Spanish)	1-800-200-6789	Điện thoại tiếng Việt (Vietnamese)	1-800-296-8438
華語客戶服務 (Chinese)	1-800-663-0555	Business Customer Service	1-800-426-4743

Rules and rates

You may be eligible for a lower rate. To learn more about optional rates or view a complete list of rates and rules, visit www.pge.com or call 1-800-743-5000.

If you believe there is an error on your bill, please call 1-800-743-5000 to speak with a representative. If you are not satisfied with our response, contact the California Public Utilities Commission (CPUC), Consumer Affairs Branch, 325 Van Ness Avenue, San Francisco, CA 94102 | 1-800-848-7570 or 415-773-2000 (TDD/TTY).

To avoid having service turned off while you wait for a CPUC decision, endorse a deposit check payable to the CPUC for the disputed amount and a description of the dispute. The CPUC will only accept deposits for matters that relate directly to billing accuracy. If it is not possible for you to pay your deposit, you must advise the CPUC. PG&E can not turn off your service for nonpayment while it is under review by the CPUC. However, you must continue to pay your current charges to keep your service activated.

If you are not able to pay your bill, call PG&E to discuss how we can help. You may qualify for reduced rates under PG&E's CARE program or other special programs and agencies may be available to assist you. You may qualify for PG&E's Energy Savings Assistance Program which is an energy efficiency program for income-qualified residential customers.

Important definitions

Rateable usage blocks: are subject to charge without advance notice due to operational conditions.

Tier 1 Baseline allowance: Some residential rates are given a Tier 1 Baseline allowance - a CPUC approved percentage of average customer usage during winter and spring months. Your Tier 1 Baseline allowance provides for basic needs at an affordable price and encourages conservation. Your allowance is assigned based on the climate where you live, the season and your last usage. As you use more energy, you pay more for usage.

Electric Tier *	% of Baseline
1	0% - 100%
2	101% - 130%
3	131% - 200%
4	> 200%

Gas Tier	% of Baseline
1	0% - 100%
2	> 100%

Your Electric Charges Breakdown

Conservation Incentive	\$24.00
Generation	25.95
Transmission	12.50
Distribution	37.05
Electric Public Purpose Programs	6.12
Nuclear Decommissioning	0.16
DWR Bond Charge	1.66
Competitive Transition Charges (CTC)	1.66
Taxes and Other	0.17
Total Electric Charges	\$103.39

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Please do not track in bin. For system use only.

Update My Information (English Only)

Please allow 1-2 billing cycles for changes to take effect.

Account Number: 4576049073-5

Change my mailing address to _____

City _____ State _____ ZIP code _____

Phone # _____ Primary _____ Email _____

Ways To Pay

- Online at www.pge.com/mywaytopay
- PG&E's Mobile Bill Pay
- By mail. Send your payment along with this payment stub in the envelope provided.
- By debit card, Visa, MasterCard or Discover. Call 1-877-704-8670 at any time. (Our independent service provider charges a fee for each transaction.)
- At a PG&E payment center or local office. To find a payment center or local office near you, please visit www.pge.com or call 1-800-743-5000. Please bring a copy of your bill with you.

Bill Components

Conservation Incentive
Generation
Transmission
Distribution
Electric Public Purpose Programs
Nuclear Decommissioning
DWR Bond Charge
Competitive Transition Charge (CTC)
Taxes and Other

Baseline Quantities

Tier 1	0-100% of Baseline
Tier 2	100%-200% of Baseline
Tier 3	> 200% of Baseline



What is Baseline Quantity?

Existing Tier Structure

Tier 1	0-100% of Baseline
Tier 2	100%-200% of Baseline
Tier 3	> 200% of Baseline

Baseline Quantities are geographically and seasonally based.

Basic Electric Daily Baseline Values

Territory	Winter	Summer
P	12.3	13.8
Q	12.3	7.0
R	11.0	15.6
S	11.2	13.8
T	8.5	7.0
V	10.6	8.7
W	10.1	16.8
X	10.9	10.1
Y	12.6	10.6
Z	9.0	6.2





What are the Bill Components?

Bill Components

Conservation Incentive	Component of electric charges designed to reflect tiered residential pricing. The adjustment credits customers who primarily use energy within Tiers 1 and 2. The adjustment provides a charge or credit to customers who use energy in Tiers 3 and 4.
Generation	Cost of creating electricity to power your home or business.
Transmission	Cost of transmitting electricity from power plants, over high-voltage lines and towers, to the distribution system.
Distribution	Charge for the lower-voltage system of power lines, poles, substations and transformers directly connecting PG&E distribution lines to homes and businesses.
Electric Public Purpose Programs	Funding programs considered by law to benefit society, such as low-income ratepayer assistance and energy efficiency
Nuclear Decommissioning	Fee to restore closed nuclear plant sites to as near their original condition as possible.
DWR Bond Charge	Recovery of bond costs issued by the Department of Water Resources (DWR) to buy power to serve electric customers during the California energy crisis. DWR bond charges are collected on behalf of DWR and do not belong to PG&E.
Competitive Transition Charge (CTC)	Charge for legacy electricity contracts, signed prior to 1998, that exceed a CPUC-approved market price limit.
Taxes and Other	Tax that PG&E collects for a city or county government. The tax (if any) is a percentage of your energy charges.



How are Bill Components Calculated?

Electric Charges Breakdown – E1 Rate

	Rate per kWh	kWhs	Energy Charge
Conservation Incentive			\$ (7.71)
Baseline Usage	\$ (0.04562)	427.80	\$ (19.52)
101%-200% of Baseline	\$ 0.01361	427.80	\$ 5.82
Over 200% of Baseline	\$ 0.17392	34.40	\$ 5.98
Generation	\$ 0.09684	890.00	\$ 86.19
Transmission	\$ 0.02340	890.00	\$ 20.83
Distribution	\$ 0.08589	890.00	\$ 76.44
Electric Public Purpose Programs	\$ 0.01405	890.00	\$ 12.50
Nuclear Decommissioning	\$ 0.00022	890.00	\$ 0.20
DWR Bond Charge	\$ 0.00539	890.00	\$ 4.80
Competitive Transition Charge (CTC)	\$ 0.00338	890.00	\$ 3.01
Energy Cost Recovery Amount	\$ (0.00002)	890.00	\$ (0.02)
Total Electric Charges			\$ 196.23

Rate Components can be found in the PG&E Tariff

Total Matches per kWh charges