



Our Power Mix



EBCE supplies most of the electricity consumed in Alameda County. At EBCE, providing more renewable energy at lower rates to our customers is a top priority. Buying your electricity from EBCE is a simple way to reduce greenhouse gas (GHG) emissions and meet our community climate action goals.

EBCE is developing local sources of renewable energy. This will not only help create local jobs, but help us build a more sustainable future for our communities. You can learn more about that on our [Power Projects](#) page.

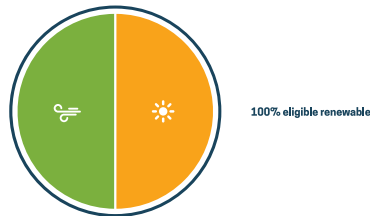
Your Options

EBCE offers customers a choice of three services. Each electricity service has a different percentage of carbon-free and renewable energy, with slightly different prices.

Note: Figures reflect EBCE’s actual power mix from 2020 (most recently published)

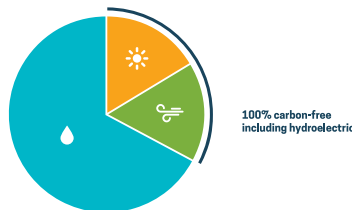
KEY

- Wind
- Solar
- Hydro
- Biomass & Biowaste, Geothermal, Eligible Hydroelectric
- Other or Unspecified
- Nuclear



Renewable 100

Get 100% renewable energy from California solar & wind power at a slightly higher price than PG&E



Brilliant 100

Our most affordable carbon-free plan, which costs the same as PG&E. This service is no longer available as of January 2022.

Bright Choice

Our basic plan, which costs less than PG&E

Here are some commonly used terms:

Carbon-free energy – Carbon-free energy refers to energy that, when generated, creates no carbon emissions. Carbon dioxide, which is primarily produced by the burning of fossil fuels for electricity and transportation, is the [largest contributor to greenhouse gases](#). At EBCE, carbon-free energy comes from large hydropower sources.

Renewable energy – Renewable energy is energy that comes from resources that are naturally replenished, create no carbon emissions, and include small hydroelectric, solar, wind, biomass, biowaste, and geothermal sources. At EBCE, renewable energy comes from solar and wind sources.

2020 Power Content Label

[DOWNLOAD PDF](#) ▶ (PDF)

Power Mix

EBCE procures power on an on-going basis. The below table is EBCE's actual power mix from 2020* (most recently published).

ENERGY RESOURCES	BRIGHT CHOICE	BRILLIANT 100	RENEWABLE 100	PG&E	PG&E SOLAR CHOICE
Eligible Renewable	39.6%	33%	100%	30.6%	100%
Biomass & Biowaste	1.9%	0%	0%	2.6%	0%

ENERGY RESOURCES	BRIGHT CHOICE	BRILLIANT 100	RENEWABLE 100	PG&E	PG&E SOLAR CHOICE
Geothermal	3%	0%	0%	2.6%	0%
Eligible Hydroelectric	1.6%	0%	0%	1.2%	0%
Solar	14.1%	16.5%	50%	15.9%	100%
Wind	19%	16.5%	50%	8.3%	0%
Coal	0%	0%	0%	0%	0%
Large Hydroelectric	14.5%	67%	0%	10.1%	0%
Natural Gas	0.1%	0%	0%	16.4%	0%
Nuclear	0.9%	0%	0%	42.8%	0%
Other	0.2%	0%	0%	0%	0%
Unspecified Sources of Power **	44.7%***	0%	0%	0%	0%

* PG&E data as reported in PG&E's rate comparison with EBCE.

**Unspecified sources of power refers to electricity that is not traceable to a specific generating facility, such as electricity traded through open market transactions. Unspecified sources of power are typically a mix of all resource types, and may include renewables.

Will these services always be the same?

EBCE began providing service to customers in 2018 with the services and power mix listed above. Over time, as EBCE generates revenue and matures as a business, we will invest in more renewable energy with the goal of developing local renewable energy projects. The power mix and rates will be set annually—our aim is to include as much renewable energy as possible while maintaining affordable rates.

Where is the power coming from specifically?

EBCE's power portfolio is currently under development, but the intent is to purchase as much electricity as possible from sources located in California at prices that remain competitive with PG&E. Please visit our [Power Projects](#) page for details. EBCE will report historically to customers about the sources of power we buy in our annual Power Content Label that is mailed to all customers each Fall, and we will update this web page with details as we sign contracts with developers for new renewable energy projects.

RESOURCES

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CHOOSE 100% RENEWABLE ENERGY

[CHANGE MY PLAN](#) ▶

STAY CONNECTED

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