

2017 POWER CONTENT LABEL

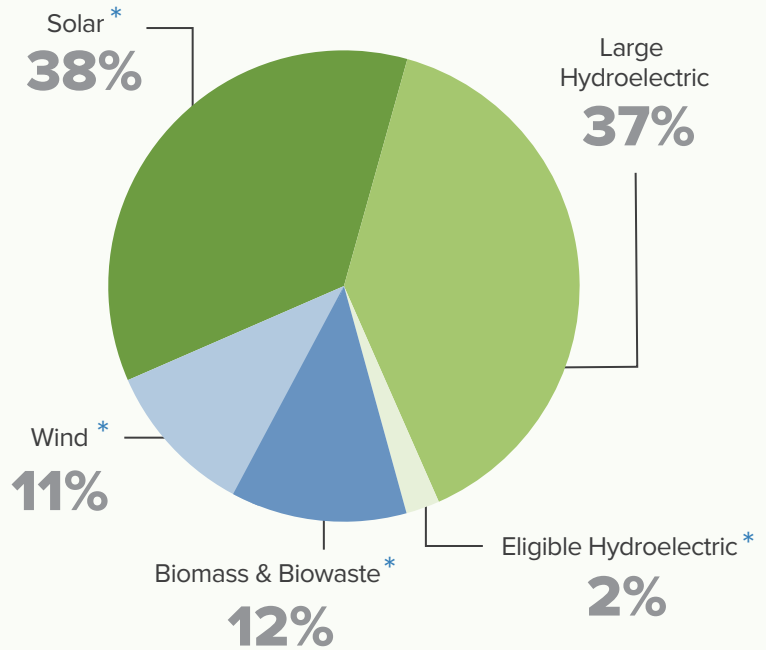
City of Palo Alto Utilities

cityofpaloalto.org/PowerContentLabel

This flyer informs customers of the sources of power purchased by City of Palo Alto Utilities (CPAU) for distribution within the City of Palo Alto. Information is provided on page 2 in the form of a Power Content Label, which is very much like a nutrition label and helps consumers make informed decisions.

Palo Alto electricity has been 100% carbon neutral since 2013. cityofpaloalto.org/CarbonNeutral

Carbon neutral electric power comes from a variety of sources. Some power comes from renewable, carbon free resources such as solar, wind and small hydroelectric plants. Large hydroelectric sources are also carbon free, but are not considered eligible renewables by the state.



* Eligible Renewables

POWER SOURCES

In 2017, CPAU's hydroelectric generation was above long-term average levels as weather conditions were very wet following five extremely dry years. CPAU also had a few new solar projects that came online in late 2016. As a result, CPAU had an energy surplus and sold the excess generation on the market. 100% of CPAU's power remains carbon neutral. CPAU power sources include five solar photovoltaic (PV) projects in the Central Valley (Newman, Bakersfield, Kettleman City, and two in Lancaster), the High Winds and Shiloh wind projects, California landfill gas-fired projects in Watsonville, Half Moon Bay, Pittsburg, Gonzales, and Linden, the Calaveras hydroelectric project, the Western Area Power Administration (Western) contract and short-term contracts from the wholesale market that are matched with Renewable Energy Certificates (RECs). Western power comes from California Central Valley Project hydroelectric facilities. Percentages vary annually based on the available output from our contracted hydroelectric, solar, wind and landfill gas generators.

POWER CONTENT LABEL—2017

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ENERGY RESOURCES	PALOALTOGREEN ^(b)	POWER MIX	2017 CA POWER MIX ^(e)
Eligible Renewable	100%	63%	29%
Biomass & biowaste	0%	12%	2%
Geothermal	0%	0%	4%
Eligible hydroelectric	0%	2%	3%
Solar	1% ^(c)	38%	10%
Wind	99% ^(d)	11%	10%
Coal	0%	0%	4%
Large Hydroelectric	0%	37%	15%
Natural Gas	0%	0%	34%
Nuclear	0%	0%	9%
Other	0%	0%	<1%
Unspecified sources of power^(a)	0%	0%	9%
TOTAL	100%	100%	100%

For specific information about this electricity product, contact:

City of Palo Alto Utilities

650-329-2161

For general information about the Power Content Label, consult the California Energy Commission at:

California Energy Commission

1-844-217-4925

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

For more information on Green-e Certified Energy, call **1-888-63-GREEN** or visit **green-e.org**

- (a)** Unspecified sources of power means electricity from transactions that are not traceable to specific generation sources.
- (b)** PaloAltoGreen is a voluntary renewable energy program from City of Palo Alto Utilities that matches up to 100% of your estimated monthly electricity usage with Green-e certified RECs from new renewable energy resources, specifically from generation facilities that first began commercial operation in the last 15 years.
- (c)** Sourced from solar installations located in Palo Alto.
- (d)** Sourced from wind energy RECs located in the western U.S.
- (e)** Percentages are estimated annually by the California Energy Commission based on the electricity sold to California consumers during the identified year.