

# 2019 POWER CONTENT LABEL

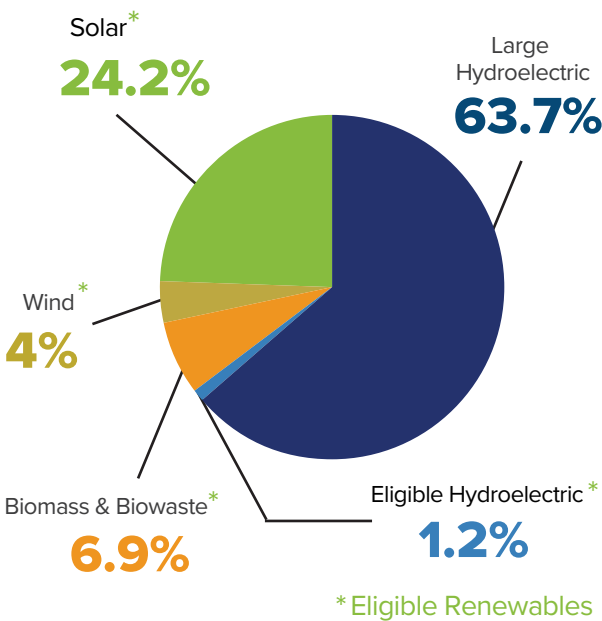
## City of Palo Alto Utilities

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 (PCL) which is very much like a nutrition label and helps consumers make informed decisions.

Carbon neutral electric power (referred to as “Standard Rate Power Mix” in the table on page 2) 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. **Palo Alto electricity has been 100% “carbon neutral” since 2013.**

### POWER SOURCES



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, and the Western Area Power Administration (Western) contract. 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. In 2019, CPAU’s hydroelectric generation was somewhat greater than long-term average levels due to relatively wet weather conditions. The large amount of hydroelectric generation meant Palo Alto owned more energy than it needed, so CPAU sold the surplus renewable generation to other utilities in California.

### PALOALTOGREEN 2020 PROSPECTIVE PRODUCT CONTENT LABEL

ENERGY RESOURCES	PALOALTOGREEN <sup>(a)</sup> PROSPECTIVE <sup>(b)</sup>	
SOLAR	1 <sup>(c)</sup> %	(a) 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 Renewable Energy Credits (RECs) from new renewable energy resources, specifically from generation facilities that first began commercial operation in the last 15 years. (b) Prospective Product Content Label: These figures reflect the renewables that we have contracted to provide. Actual figures may vary according to resource availability. We will annually report to you before October 1st of next year in the form of a Historical Product Content Label the actual resource mix of the electricity you purchased. (c) Sourced from solar energy RECs located in California. (d) Sourced from wind energy RECs located in the western U.S. (CA, OR, WA, ID, NV, UT, AZ, MT, WY, CO, and/or NM).
WIND	99 <sup>(d)</sup> %	
TOTAL	100%	

PaloAltoGreen



Energy  
CERTIFIED

PaloAltoGreen is Green-e® Energy certified and meets the environmental and consumer-protection standards set forth by the nonprofit Center for Resource Solutions.

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

Palo Alto Green 2019 Historical Product Content Label (reflected in the “Palo Alto Green Power Mix” column of the table on page 2): These figures reflect the power delivered to PaloAltoGreen’s customers in 2019. Solar energy sourced from installations located in Palo Alto. Wind energy RECs sourced in California.



CITY OF  
**PALO ALTO**  
UTILITIES

Individuals with disabilities who require accommodations to access City facilities, services or programs, or who would like information on the City’s compliance with the Americans with Disabilities Act (ADA) of 1990, may contact the City’s ADA Coordinator at (650) 329-2368 (voice) or email [ada@cityofpaloalto.org](mailto:ada@cityofpaloalto.org)  
12/20 Printed on 100% post-consumer recycled paper, bleached without chlorine.

## 2019 POWER CONTENT LABEL

### City of Palo Alto Utilities

[cityofpaloalto.org/PowerContentLabel](http://cityofpaloalto.org/PowerContentLabel)

ENERGY RESOURCES	Palo Alto Green Power Mix	Standard Rate Power Mix	2019 CA Power Mix
<b>Eligible Renewable<sup>1</sup></b>	<b>100.0%</b>	<b>36.3%</b>	<b>31.7%</b>
Biomass & Biowaste	0.0%	6.9%	2.4%
Geothermal	0.0%	0.0%	4.8%
Eligible Hydroelectric	0.0%	1.2%	2.0%
Solar	1.0%	24.2%	12.3%
Wind	99.0%	4.0%	10.2%
<b>Coal</b>	<b>0.0%</b>	<b>0.0%</b>	<b>3.0%</b>
<b>Large Hydroelectric</b>	<b>0.0%</b>	<b>63.7%</b>	<b>14.6%</b>
<b>Natural Gas</b>	<b>0.0%</b>	<b>0.0%</b>	<b>34.2%</b>
<b>Nuclear</b>	<b>0.0%</b>	<b>0.0%</b>	<b>9.0%</b>
<b>Other</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.2%</b>
<b>Unspecified sources of power<sup>2</sup></b>	<b>0.0%</b>	<b>0.0%</b>	<b>7.3%</b>
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
<b>Percentage of Retail Sales Covered by Retired Unbundled RECs<sup>3</sup></b>	<b>0.0%</b>	<b>0.0%</b>	

<sup>1</sup>The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology.

<sup>2</sup>Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source.

<sup>3</sup>Renewable energy credits (RECs) are tracking instruments issued for renewable generation. Unbundled renewable energy credits (RECs) represent renewable generation that was not delivered to serve retail sales. Unbundled RECs are not reflected in the power mix or GHG emissions intensities above.

For specific information about this electricity product, contact:

**City of Palo Alto Utilities**  
**(650) 329-2161**

For general information about the Power Content Label, please visit:

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

For additional questions, please contact the California Energy Commission at:

Toll-free in California: 844-454-2906  
Outside California: 916-653-0237