

**2023**

# Green Power Annual Report



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## Thank you Program Partners

Thank you for your continual support of the Green Power for a Green LA (Green Power) program. By participating in the Green Power program you make the City of Los Angeles a cleaner and greener place to live, work and play.

Thank you again for participating in the Green Power Program.

## Overview

The Green Power program appropriated 43,719 Megawatt hours (MWhs) of renewable energy for our Green Power customers in 2023. A portion of these costs were offset by LADWP's avoided generation costs.

This represents enough electricity, on average, to power over 8,249 homes in Los Angeles for one year<sup>1</sup>. In addition, over 30,542 metric tons of carbon dioxide (CO<sub>2</sub>) emissions were eliminated, which is equivalent to the Greenhouse gas emissions from 7,269 passenger vehicles driven for one year<sup>2</sup>.

The Green Power program began in 1999, and through year-end 2023, has provided over 1,446,845 MWhs of renewable energy to our customers. The LADWP is committed to providing clean renewable energy to the City of Los Angeles.

<sup>1</sup> LADWP average residential household uses approximately 5,256 kWhs (5.3 MWhs) of electricity per year (438 kWhs per month). 2022-23 Briefing Book.

<sup>2</sup> CO<sub>2</sub> emission reductions attributed to the United States Environmental Protection Agency (U.S. EPA) Greenhouse Gas Equivalencies Calculator, Updated January 2024 (Source: U.S. EPA). <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>

## Statement of Revenue, Other Credits, Expenses

### Los Angeles Department of Water and Power Green Power For a Green LA Statement of Revenues, Other Credits, Expenses For the Twelve Months Ending December 31, 2023

Residential Consumption (kWh)	19,506,341
Non Residential Consumption (kWh)	<u>24,212,186</u>
Total Consumption (kWh)	43,718,527
Residential Customers	8,780
Non Residential Customers	344
Revenue and Other Credits	
Renewable Energy Adjustment Factor Revenue	\$1,311,539.50
Total Revenue and Other Credits	\$1,311,539.50
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Expenses	
Purchased Green Power	\$2,444,766.48
Less: Energy Services Avoided Cost Credit	(\$1,008,461.28)
Administration Expense	\$80,225.15
Marketing Expense	<u>\$0.00</u>
Total Expenses	\$1,516,530.35
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Program Operating Income	<u>\$204,990.85</u>
Additional Charge per Ordinance	<u>\$75,826.52</u>
Over/(Under) Recovery of Program Expenses	<u>\$(\$280,817.37)</u>
Cumulative Over-Recovery from December 2022	\$ 7,836,073.56
Cumulative Over-Recovery Through December 2023	\$7,555,256.19

Green Power energy to meet customer demand was obtained through retirement of in-basin feed-in-tariff renewable energy credits.

The cost for new Green Power is slightly higher than power generated from conventional sources such as coal and natural gas. Since the beginning of the Green Power program, the premium charged to our customers for their participation has been \$0.03/kWh as determined by the Renewable Energy Option (REO) service rider.

# 2023

# Power Content Label

2023 POWER CONTENT LABEL						
Los Angeles Department of Water and Power						
<a href="https://www.ladwp.com/powercontent">https://www.ladwp.com/powercontent</a>						
Greenhouse Gas Emissions Intensity (lbs CO <sub>2</sub> e/MWh)			Energy Resources	LADWP Power Mix	Green Power for Green LA	2023 CA Power Mix
LADWP Power Mix	Green Power for Green LA	2023 CA Utility Average	<b>Eligible Renewable<sup>1</sup></b>	<b>39.5%</b>	<b>100.0%</b>	<b>36.9%</b>
<b>499</b>	<b>0</b>	<b>373</b>	Biomass & Biowaste	0.1%	0.0%	2.1%
<p>A bar chart showing the Greenhouse Gas Emissions Intensity (lbs CO<sub>2</sub>e/MWh) for three categories: LADWP Power Mix (499), Green Power for Green LA (0), and 2023 CA Utility Average (373). The y-axis ranges from 0 to 1000. The LADWP Power Mix bar is blue, Green Power for Green LA is green, and the 2023 CA Utility Average is red.</p>			Geothermal	9.5%	0.0%	4.8%
			Eligible Hydroelectric	2.4%	0.0%	1.8%
			Solar	14.0%	100.0%	17.0%
			Wind	13.5%	0.0%	11.2%
			<b>Coal</b>	<b>10.3%</b>	<b>0.0%</b>	<b>1.8%</b>
			<b>Large Hydroelectric</b>	<b>3.9%</b>	<b>0.0%</b>	<b>11.7%</b>
			<b>Natural Gas</b>	<b>32.4%</b>	<b>0.0%</b>	<b>36.6%</b>
			<b>Nuclear</b>	<b>13.9%</b>	<b>0.0%</b>	<b>9.3%</b>
			<b>Other</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.1%</b>
			<b>Unspecified Power<sup>2</sup></b>	<b>0.0%</b>	<b>0.0%</b>	<b>3.7%</b>
<b>TOTAL</b>				<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>
<b>Percentage of Retail Sales Covered by Retired Unbundled RECs<sup>3</sup>:</b>				<b>3%</b>	<b>0%</b>	
<p><sup>1</sup>The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology.</p> <p><sup>2</sup>Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source.</p> <p><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.</p> <p><b>The unbundled RECs retired in association with LADWP's 2023 electricity portfolios were sourced from eligible renewable energy generators such as biomass, biowaste, geothermal, eligible hydroelectric, solar, and wind energy resources.</b></p>						
For specific information about this electricity portfolio, contact:			Los Angeles Department of Water and Power 1-800-DIAL-DWP			
For general information about the Power Content Label, visit:			<a href="https://www.energy.ca.gov/programs-and-topics/programs/power-source-disclosure-program">https://www.energy.ca.gov/programs-and-topics/programs/power-source-disclosure-program</a>			