



Item 8.a

GLENDALE WATER & POWER (GWP) POWER SOURCE DISCLOSURE REPORT AND POWER CONTENT LABEL FOR CALENDAR YEAR 2023

November 19, 2024

Ileana Cardenas, GWP Power Planning Manager

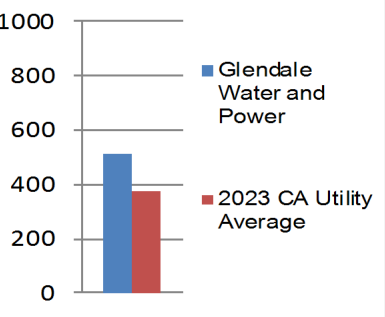
POWER SOURCE DISCLOSURE (PSD) PROGRAM

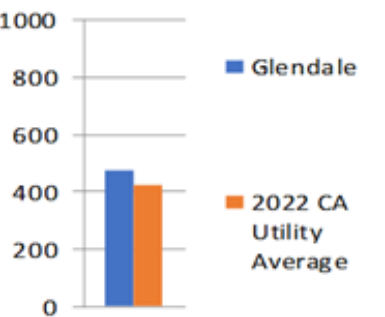
- The PSD Program provides energy source information to retail electricity consumers that is:
 - ✓ Accurate
 - ✓ Reliable
 - ✓ Simple to Understand
- A Certified Internal Auditor must review and report on the information included in:
 - The PSD
 - The Power Content Label (PCL).
- **JUNE 21st** – PSD submitted to California Energy Commission (CEC)
- **OCTOBER 2nd** – PCL publicly available to customers via City of Glendale website
- **JANUARY 31ST** – Auditor's report and City Council's attestation submitted to CEC

NOTE: PCL ≠ RPS



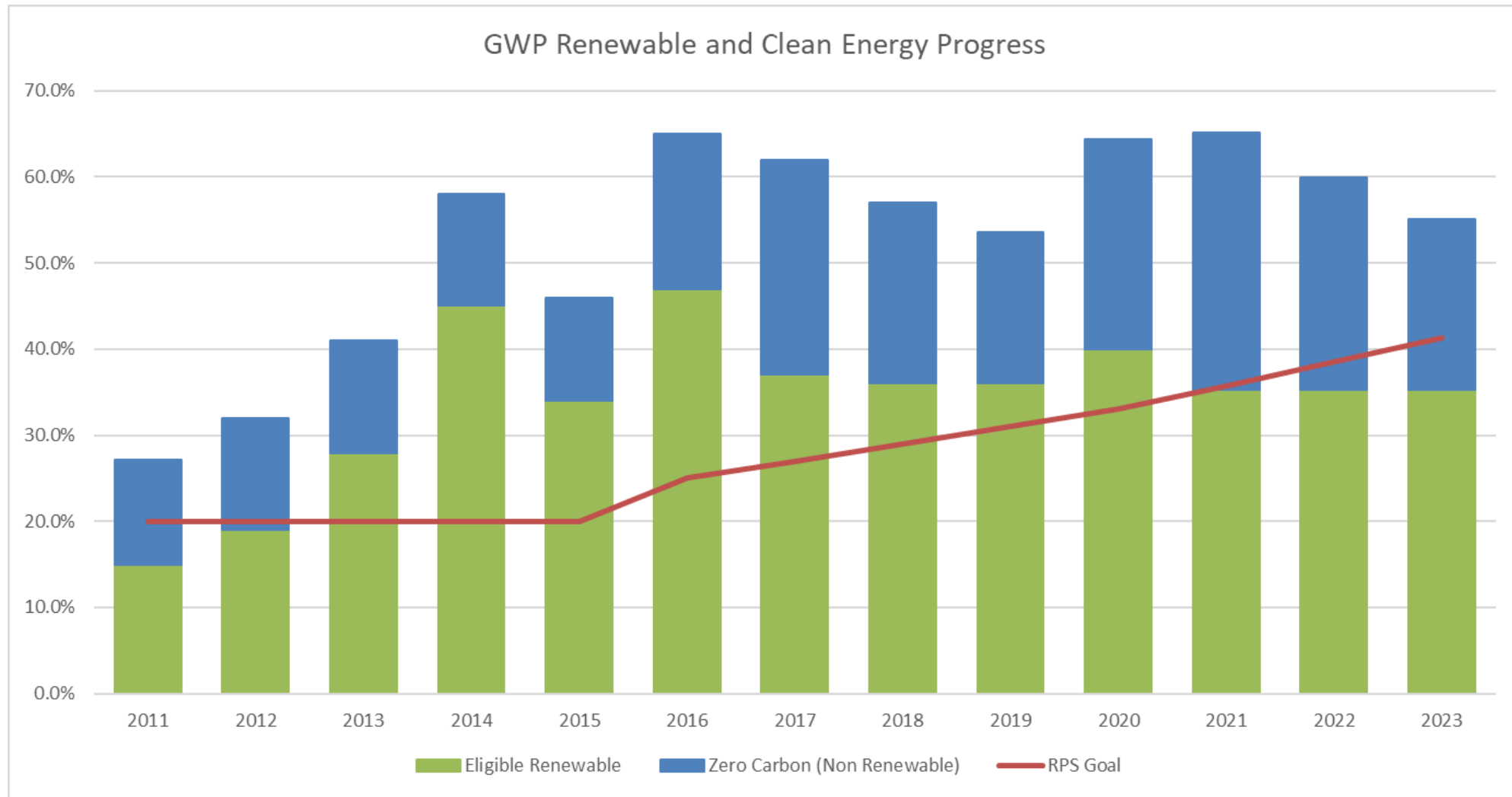
POWER CONTENT LABEL (PCL)

2023 POWER CONTENT LABEL				
Glendale Water and Power				
www.GlendaleCA.gov/PowerContentLabel				
Greenhouse Gas Emissions Intensity (lbs CO ₂ e/MWh)		Energy Resources	Glendale Water and Power	2023 CA Power Mix
Glendale Water and Power	2023 CA Utility Average	Eligible Renewable¹	35.3%	36.9%
515	373	Biomass & Biowaste	0.0%	2.1%
		Geothermal	8.8%	4.8%
		Eligible Hydroelectric	1.6%	1.8%
		Solar	16.8%	17.0%
		Wind	8.1%	11.2%
		Coal	1.6%	1.8%
		Large Hydroelectric	8.8%	11.7%
		Natural Gas	32.5%	36.6%
		Nuclear	11.0%	9.3%
		Other	0.0%	0.1%
		Unspecified Power²	10.9%	3.7%
		TOTAL	100.0%	100.0%
Percentage of Retail Sales Covered by Retired Unbundled RECs ³ :			< 1 %	
¹ The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology. ² Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source. ³ 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.				

2022 POWER CONTENT LABEL				
City of Glendale				
Greenhouse Gas Emissions Intensity (lbs CO ₂ e/MWh)				
GWP		Energy Resources	2022 GWP Power Mix	2022 CA Power Mix
2022 CA Utility Average		Eligible Renewable¹	35.2%	35.8%
472	422	Biomass & Biowaste	4.6%	2.1%
		Geothermal	3.8%	4.7%
		Eligible Hydroelectric	3.6%	1.1%
		Solar	15.6%	17.0%
		Wind	7.5%	10.8%
		Coal	3.4%	2.1%
		Large Hydroelectric	13.5%	9.2%
		Natural Gas	32.8%	36.4%
		Nuclear	11.2%	9.2%
		Other	0.0%	0.1%
		Unspecified Power²	3.9%	7.1%
		TOTAL	100.0%	100.0%
Percentage of Retail Sales Covered by Retired Unbundled RECs ³ :			0.1%	
¹ The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology. ² Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source. ³ 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.				



GLENDALE RENEWABLE AND ZERO-CARBON PROGRESS



MEETING RENEWABLE & CLEAN ENERGY GOALS



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Resource Plan

- Energy Efficiency and Demand Response
- GWP-Owned Solar
- Customer-Owned Solar
- Solar Power Purchase Agreements
- Import Renewable Energy Over Additional Transmission



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