



2023 POWER SOURCE DISCLOSURE REPORTS, POWER CONTENT LABEL AND INDEPENDENT ACCOUNTANT'S REPORTS FOR THE CALIFORNIA ENERGY COMMISSION

Riverside Public Utilities

Board of Public Utilities
December 9, 2024

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BACKGROUND

RPU is required to disclose to customers and the California Energy Commission (CEC) information on its power resources and the associated greenhouse gas emissions per SB 1305 (1997), AB 162 (2009) and AB 1110 (2016)

- a. Power Source Disclosure (PSD) Report:** Detailed annual report submitted to the CEC by June 1st
- b. Power Content Label (PCL):** Simplified annual report submitted to the CEC by October 1st and distributed to customers via utility bills and posted on the RPU website
 - Note: CEC postponed the due date for 2023 PCL filing to January 31, 2025, due to software issues affecting Renewable Energy Credits.



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BACKGROUND

Approval and attestation to the accuracy of the PSD and PCL

1. Initially, public agencies with more than one electricity product were required to have approval and attestation by the POU governing body.
 - a. In 2008, the City Council delegated the approval and attestation authority for future annual reports to the Board of Public Utilities
2. AB 1110 modified the approval and attestation requirement to be completed by either the governing body or through an external auditor that performs an audit and verification of the accuracy of the reports
 - a. Beginning in 2023, RPU staff opted to use an independent auditor to verify the accuracy and completeness of data reported in the annual reports submitted to the CEC



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RPU 2023 POWER SOURCE DISCLOSURE GENERAL POWER MIX

	Adjusted Net Procured (MWh)	Percent of Total Retail Sales
Renewable Procurements	935,006	46.4%
Biomass & Biowaste	-	0.0%
Geothermal	712,518	35.4%
Eligible Hydroelectric	-	0.0%
Solar	200,800	10.0%
Wind	21,688	1.1%
Coal	328,235	16.3%
Large Hydroelectric	22,188	1.1%
Natural gas	66,591	3.3%
Nuclear	100,701	5.0%
Other	-	0.0%
Unspecified Power	561,583	27.9%
Total	2,014,304	100.0%

← Riverside reached **46.4% renewables in 2023** – exceeding the State's 41.3% mandate.

Total Retail Sales (MWh)	2,014,304
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GHG Emissions Intensity (converted to lbs CO₂e/MWh)	699
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Percentage of Retail Sales Covered by Retired Unbundled RECs	0.0%
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RPU 2023 POWER SOURCE DISCLOSURE 100% RENEWABLE ENERGY TARIFF MIX

	Adjusted Net Procured (MWh)	Percent of Total Retail Sales
Renewable Procurements	8,180	100.0%
Biomass & Biowaste	-	0.0%
Geothermal	4,090	50.0%
Eligible Hydroelectric	-	0.0%
Solar	2,454	30.0%
Wind	1,636	20.0%
Coal	-	0.0%
Large Hydroelectric	-	0.0%
Natural gas	-	0.0%
Nuclear	-	0.0%
Other	-	0.0%
Unspecified Power	-	0.0%
Total	8,180	100.0%

← Riverside offers a 100% Renewable Energy Tariff option to residential and commercial customers and sold 8,180 MWh under this program in 2023.

Total Retail Sales (MWh)	8,180
GHG Emissions Intensity (converted to lbs CO₂e/MWh)	20
Percentage of Retail Sales Covered by Retired Unbundled RECs	0.0%

Note: CEC carbon accounting methodology attributes a small amount of GHG emissions to geothermal resources in proportion to the GHG emissions released when processing the steam effluent



RPU 2023 POWER CONTENT LABEL

2023 POWER CONTENT LABEL		
City of Riverside, Riverside Public Utilities		
www.RiversidePublicUtilities.com/PowerResources		
Greenhouse Gas Emissions Intensity (lbs CO ₂ e/MWh)	Energy Resources	RPU General Power Mix
RPU General Power Mix		46.4%
RPU 100% Renewable Energy Mix		100.0%
2023 CA Utility Average		36.9%
699		20
373		373
	Eligible Renewable ¹	
	Biomass & Biowaste	0.0%
	Geothermal	35.4%
	Eligible Hydroelectric	0.0%
	Solar	10.0%
	Wind	1.1%
	Coal	16.3%
	Large Hydroelectric	1.1%
	Natural Gas	3.3%
	Nuclear	5.0%
	Other	0.0%
	Unspecified Power ²	27.9%
	TOTAL	100.0%
	Percentage of Retail Sales Covered by Retired Unbundled RECs ³ :	0%

Power Content Label shows:

1. Percentage of load served by resource type
2. Greenhouse gas emissions intensity level for general power mix and RET
3. Comparison to statewide power mix and emissions

¹The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology.
²Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source.
³Renewable 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 portfolio, contact: **City of Riverside, Riverside Public Utilities**
 951-782-0330
 For general information about the Power Content Label, visit: <https://www.energy.ca.gov/programs-and-topics/programs/power-source-disclosure-program>



INDEPENDENT ACCOUNTANT'S REPORTS

1. Two Independent Accountant Audits performed

- a. PSD Audit of the General Power Mix
- b. PSD Audit of the 100% Renewable Energy Tariff Mix

2. Audit Results

- a. All procedures conducted in accordance with the Power Source Disclosure regulations
- b. No audit exceptions were identified
- c. Any MWh variations noted in the audit report do not impact the percentages reflected in the Power Content Label

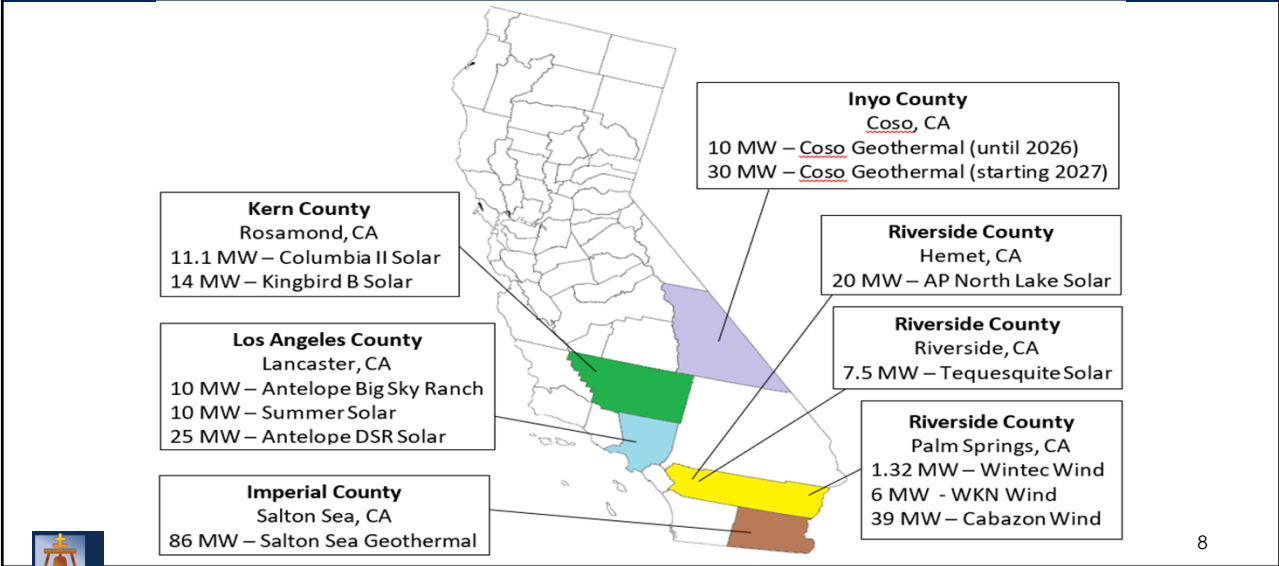


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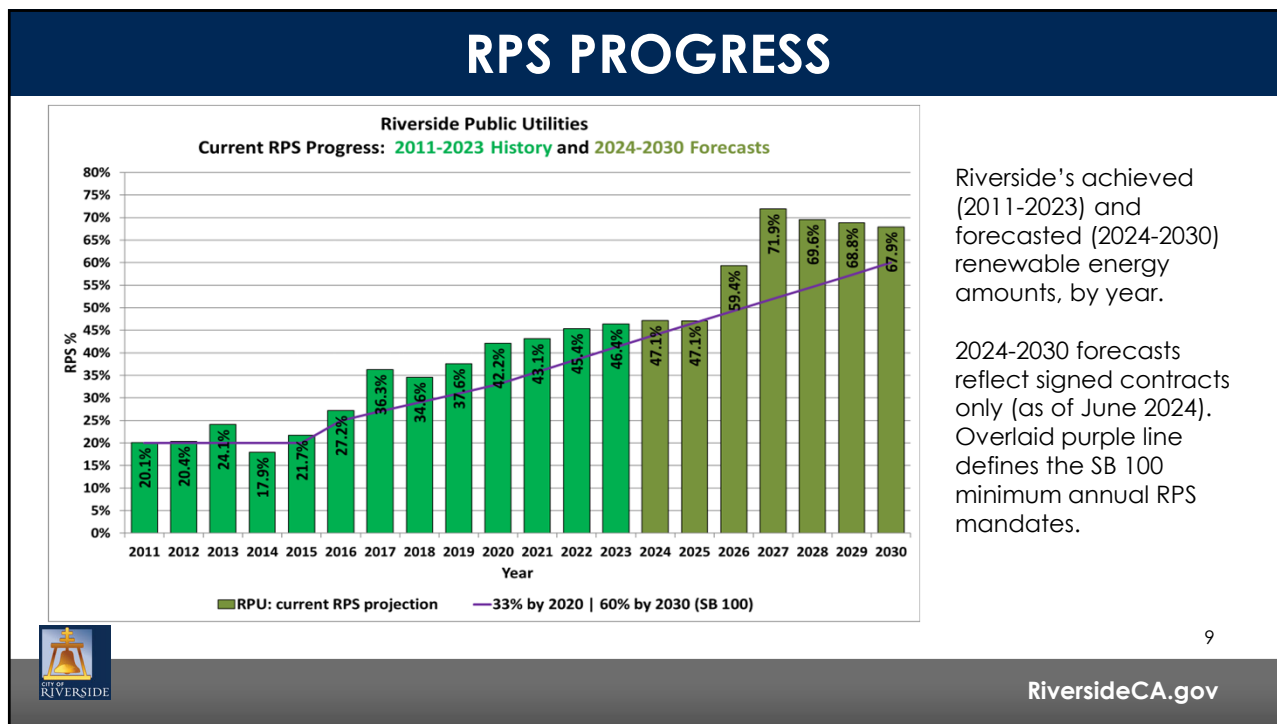
RENEWABLE RESOURCES MAP



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STRATEGIC PLAN ALIGNMENT

Priority 4 - Environmental Stewardship

Goal 4.1: Rapidly decrease Riverside's carbon footprint by acting urgently to reach a zero-carbon electric grid with the goal of reaching 100% zero-carbon electricity production by 2040 while continuing to ensure safe, reliable, and affordable energy for all residents.

Goal 4.6: Implement the requisite measures to achieve citywide carbon neutrality no later than 2040.

Cross-Cutting Threads

Community Trust

Equity

Fiscal Responsibility

Innovation

Sustainability & Resiliency

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RECOMMENDATION

That the Board of Public Utilities receive and file this update of the 2023 Power Source Disclosure Reports, 2023 Power Content Label, Independent Accountant's Reports and RPU CEC-RPS Annual Compliance Report submitted to the California Energy Commission.



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