

2021 POWER SOURCE DISCLOSURE ANNUAL REPORT

For the Year Ending December 31, 2021

Retail suppliers are required to use the posted template and are not allowed to make edits to this format. Please complete all requested information.

GENERAL INSTRUCTIONS

RETAIL SUPPLIER NAME	
City of Riverside, Riverside Public Utilities	
ELECTRICITY PORTFOLIO NAME	
RPU General Power Mix	
CONTACT INFORMATION	
NAME	Scott M. Lesch
TITLE	Power Resources Manager
MAILING ADDRESS	3435 14th Street
CITY, STATE, ZIP	Riverside, CA 92501
PHONE	951-826-8510
EMAIL	slesch@riversideca.gov
WEBSITE URL FOR PCL POSTING	https://riversideca.gov/utilities/residents/our-energy/power-resources

Submit the Annual Report and signed Attestation in PDF format with the Excel version of the Annual Report to PSDprogram@energy.ca.gov. Remember to complete the Retail Supplier Name, Electricity Portfolio Name, and contact information above, and submit separate reports and attestations for each additional portfolio if multiple were offered in the previous year.

NOTE: Information submitted in this report is not automatically held confidential. If your company wishes the information submitted to be considered confidential an authorized representative must submit an application for confidential designation (CEC-13), which can be found on the California Energy Commissions's website at <https://www.energy.ca.gov/about/divisions-and-offices/chief-counsels-office>.

If you have questions, contact Power Source Disclosure (PSD) staff at PSDprogram@energy.ca.gov or (916) 805-7439.

INTRODUCTION

Retail suppliers are required to submit separate Annual Reports for each electricity portfolio offered to California retail consumers in the previous calendar year. Enter the Retail Supplier Name and Electricity Portfolio Name at the top of Schedule 1, Schedule 2, Schedule 3, and the Attestation.

A complete Annual Report includes the following tabs:

PSD Intro
Instructions
Schedule 1 - Procurements and Retail Sales
Schedule 2 - Retired Unbundled Renewable Energy Credits (RECs)
Schedule 3 - Annual Power Content Label Data
GHG Emissions Factors
Asset-Controlling Supplier (ACS) Procurement Calculator
PSD Attestation

INSTRUCTIONS

Schedule 1: Procurements and Retail Sales

Retail suppliers of electricity must complete this schedule by entering information about all power procurements and generation that served the identified electricity portfolio covered in this filing in the prior year. The schedule is divided into sections: directly delivered renewables, firmed-and-shaped imports, specified non-renewables, and procurements from ACSs. Insert additional rows as needed to report all procurements or generation serving the subject product. Provide the annual retail sales for the subject product in the appropriate space. At the bottom of Schedule 1, provide the retail suppliers' other electricity end-uses that are not retail sales, such as transmission and distribution losses. Retail suppliers shall submit a purchase agreement or ownership arrangement documentation substantiating that any eligible firmed-and-shaped product for which it is claiming an exclusion was executed prior to January 1, 2019. **Any retail supplier that offered multiple electricity portfolios in the prior year must submit separate Annual Reports for each portfolio offered.**

Specified Purchases: A Specified Purchase refers to a transaction in which electricity is traceable to specific generating facilities by any auditable contract trail or equivalent, such as a tradable commodity system, that provides commercial verification that the electricity claimed has been sold once and only once to retail consumers. Do not enter data in the grey fields. For specified purchases, include enter following information for each line item:

Facility Name - Provide the name used to identify the facility.

Fuel Type - Provide the resource type (solar, natural gas, etc.) that this facility uses to generate electricity.

Location - Provide the state or province in which the facility is located.

Identification Numbers - Provide all applicable identification numbers from the Western Renewable Energy Generation Information System (WREGIS), the Energy Information Agency (EIA), and the California Renewables Portfolio Standard (RPS).

Gross Megawatt Hours Procured - Provide the quantity of electricity procured in MWh from the generating facility.

Megawatt Hours Resold - Provide the quantity of electricity resold at wholesale.

Unspecified Power: Unspecified Power refers to electricity that is not traceable to specific generation sources by any auditable contract trail or equivalent, or to power purchases from a transaction that expressly transferred energy only and not the RECs associated from a facility. **Do not enter procurements of unspecified power.** The schedule will calculate unspecified power procurements automatically.

Schedule 2: Retired Unbundled RECs

Complete this schedule by entering information about unbundled REC retirements in the previous calendar year.

Schedule 3: Annual Power Content Label Data

This schedule is provided as an automated worksheet that uses the information from Schedule 1 to calculate the power content and GHG emissions intensity for each electricity portfolio. The percentages calculated on this worksheet should be used for your Power Content Label.

ACS Resource Mix Calculator

Retail suppliers may report specified purchases from ACS system power if the ACS provided its fuel mix of its specified system mix to the Energy Commission. Use the calculator to determine the resource-specific procurement quantities, and transfer them to Schedule 1.

GHG Emissions Factors

This tab will be displayed for informational purposes only; it will not be used by reporting entities, since the emissions factors below auto-populate in the relevant fields on Schedules 1 & 3.

Attestation

This template provides the attestation that must be submitted with the Annual Report to the Energy Commission, stating that the information contained in the applicable schedules is correct and that the power has been sold once and only once to retail consumers. This attestation must be included in the package that is transmitted to the Energy Commission. Please provide the complete Annual Report in Excel format and the complete Annual Report with signed attestation in PDF format as well.

2021 POWER SOURCE DISCLOSURE ANNUAL REPORT
SCHEDULE 1: PROCUREMENTS AND RETAIL SALES
For the Year Ending December 31, 2021
City of Riverside, Riverside Public Utilities
RPU General Power Mix

Instructions: Enter information about power procurements underlying this electricity portfolio for which your company is filing the Annual Report. Insert additional rows as needed. All fields in white should be filled out. **Fields in grey auto-populate as needed and should not be filled out.** For EIA IDs for unspecified power or specified system mixes from asset-controlling suppliers, enter "Unspecified Power", "BPA", or "Tacoma Power" as applicable. For specified procurements of ACS power, use the ACS Procurement Calculator to calculate the resource breakdown comprising the ACS system mix. **Procurements of unspecified power must not be entered as line items below; unspecified power will be calculated automatically in cell N9.** Unbundled REC's must not be entered on Schedule 1; these products must be entered on Schedule 2. At the bottom portion of the schedule, provide the other electricity end-uses that are not retail sales including, but not limited to transmission and distribution losses or municipal street lighting. Amounts should be in megawatt-hours.

Retail Sales (MWh)	2,082,522
Net Specified Procurement (MWh)	1,682,001
Unspecified Power (MWh)	400,522
Procurement to be adjusted	-
Net Specified Natural Gas	67,405
Net Specified Coal & Other Fossil Fuels	586,565
Net Specified Nuclear, Large Hydro, Renewables, and ACS Power	1,028,031
GHG Emissions (excludes grandfathered emissions)	764,287
GHG Emissions Intensity (in MT CO ₂ e/MWh)	0.3670

DIRECTLY DELIVERED RENEWABLES														
Facility Name	Fuel Type	State or Province	WREGIS ID	RPS ID	N/A	EIA ID	Gross MWh Procured	MWh Resold	Net MWh Procured	Adjusted Net MWh Procured	GHG Emissions Factor (In MT CO ₂ e/MWh)	GHG Emissions (In MT CO ₂ e)	N/A	
CalEnergy Portfolio (Vulcan)	Geothermal	CA	W452	60308		50210	5,900		5,900	5,900	0.0677	399		
CalEnergy Portfolio (Elmore)	Geothermal	CA	W454	60310		10634	314,291		314,291	314,291	0.0218	6,858		
CalEnergy Portfolio (Salton Sea 3)	Geothermal	CA	W455	60317		10759	25,857		25,857	25,857	0.0749	1,936		
CalEnergy Portfolio (Del Ranch)	Geothermal	CA	W451	60307		10632	210,493		210,493	210,493	0.0677	14,242		
CalEnergy Portfolio (Salton Sea 1)	Geothermal	CA	W461	60323		10878	21,090		21,090	21,090	0.0749	1,579		
CalEnergy Portfolio (Salton Sea 2)	Geothermal	CA	W458	60320		10879	22,374		22,374	22,374	0.0749	1,675		
Columbia Two	Solar	CA	W4191	60852		58990	30,845		30,845	30,845	-	-		
AP North Lake	Solar	CA	W4690	61846		59610	38,727		38,727	38,727	-	-		
Kingbird B	Solar	CA	W4795	62424		60091	40,933		40,933	40,933	-	-		
Summer Solar	Solar	CA	W4957	61501		60280	27,860		27,860	27,860	-	-		
Antelope Big Sky Ranch	Solar	CA	W5027	61481		60279	25,650		25,650	25,650	-	-		
DSR1	Solar	CA	W5083	63125		60186	65,823		65,823	65,823	-	-		
Tequesquite	Solar	CA	W4714	62743		60035	8,020		8,020	8,020	-	-		
Cabazon	Wind	CA	W492	60368		50552	42,054		42,054	42,054	-	-		
Wintec	Wind	CA	W922	60650		50276	3,591		3,591	3,591	-	-		
WKN (Wagner Wind)	Wind	CA	W3255	61179		58233	14,663		14,663	14,663	-	-		
FIRMED-AND-SHAPED IMPORTS														
Facility Name	Fuel Type	State or Province	WREGIS ID	RPS ID	EIA ID of REC Source	EIA ID of Substitute Power	Gross MWh Procured	MWh Resold	Net MWh Procured	Adjusted Net MWh Procured	GHG Emissions Factor (In MT CO ₂ e/MWh)	GHG Emissions (In MT CO ₂ e)	Eligible for Grandfathered Emissions?	
									-	-	#N/A			
									-	-	#N/A			
									-	-	#N/A			
									-	-	#N/A			
									-	-	#N/A			
SPECIFIED NON-RENEWABLE PROCUREMENTS														
Facility Name	Fuel Type	State or Province	N/A	N/A	N/A	EIA ID	Gross MWh Procured	MWh Resold	Net MWh Procured	Adjusted Net MWh Procured	GHG Emissions Factor (In MT CO ₂ e/MWh)	GHG Emissions (In MT CO ₂ e)	N/A	
Intermountain Power Project	Coal	Utah				6481	586,565		586,565	586,565	0.8998	527,808		
Hoover	Large hydro	Nevada				154	28,765		28,765	28,765	-	-		
Clearwater	Natural gas	CA				56356	13,916		13,916	13,916	0.4731	6,583		
Riverside Energy Resource Center (RERC)	Natural gas	CA				56143	52,938		52,938	52,938	0.5926	31,374		
Springs	Natural gas	CA				56144	550		550	550	0.7446	410		
Palo Verde	Nuclear	Arizona				6008	101,095		101,095	101,095	-	-		
									-	-	#N/A			
									-	-	#N/A			
									-	-	#N/A			
PROCUREMENTS FROM ASSET-CONTROLLING SUPPLIERS														
Facility Name	Fuel Type	N/A	N/A	N/A	N/A	EIA ID	Gross MWh Procured	MWh Resold	Net MWh Procured	Adjusted Net MWh Procured	GHG Emissions Factor (In MT CO ₂ e/MWh)	GHG Emissions (In MT CO ₂ e)	N/A	
										-	#N/A			
										-	#N/A			
										-	#N/A			
										-	#N/A			

END USES OTHER THAN RETAIL SALES	MWh
Internal Consumption	29,643

[illegible]

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SCHEDULE 3: POWER CONTENT LABEL DATA
For the Year Ending December 31, 2021
City of Riverside, Riverside Public Utilities
RPU General Power Mix

Instructions: No data input is needed on this schedule. Retail suppliers should use these auto-populated calculations to fill out their Power Content Labels.

	Adjusted Net Procured (MWh)	Percent of Total Retail Sales
Renewable Procurements	898,171	43.1%
Biomass & Biowaste	-	0.0%
Geothermal	600,005	28.8%
Eligible Hydroelectric	-	0.0%
Solar	237,858	11.4%
Wind	60,308	2.9%
Coal	586,565	28.2%
Large Hydroelectric	28,765	1.4%
Natural gas	67,405	3.2%
Nuclear	101,095	4.9%
Other	-	0.0%
Unspecified Power	400,522	19.2%
Total	2,082,522	100.0%

Total Retail Sales (MWh)	2,082,522
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GHG Emissions Intensity (converted to lbs CO₂e/MWh)	809
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Percentage of Retail Sales Covered by Retired Unbundled RECs	0.0%
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**2021 POWER SOURCE DISCLOSURE ANNUAL REPORT
ATTESTATION FORM**

**For the Year Ending December 31, 2021
City of Riverside, Riverside Public Utilities
RPU General Power Mix**

I, Scott M. Lesch, Power Resources Manager, declare under penalty of perjury, that the statements contained in this report including Schedules 1, 2, and 3 are true and correct and that I, as an authorized agent of City of Riverside, Riverside Public Utilities, have authority to submit this report on the company's behalf. I further declare that the megawatt-hours claimed as specified purchases as shown in these Schedules were, to the best of my knowledge, sold once and only once to retail customers.

Name: Scott M. Lesch

Representing (Retail Supplier): City of Riverside, Riverside Public Utilities

Signature: 

Dated: June 1, 2022

Executed at: Riverside, CA