

2020 POWER SOURCE DISCLOSURE ANNUAL REPORT

For the Year Ending December 31, 2020

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://www.riversideca.gov/utilities/about-rpu/rpu-power-resources.asp

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 Commission's website at <https://www.energy.ca.gov/about/divisions-and-offices/chief-counsel's-office>.

If you have questions, contact Power Source Disclosure (PSD) staff at PSDprogram@energy.ca.gov or (916) 639-0573.

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.

2020 POWER SOURCE DISCLOSURE ANNUAL REPORT
SCHEDULE 1: PROCUREMENTS AND RETAIL SALES
For the Year Ending December 31, 2020
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", "BPA", "Powerex", or "Tacoma" 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 RECs 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)	2,115,730
Net Specified Procurement (MWh)	1,649,382
Unspecified Power (MWh)	466,348
Procurement to be adjusted	-
Net Specified Natural Gas	105,146
Net Specified Coal & Other Fossil Fuels	523,119
Net Specified Nuclear, Large Hydro, Renewables, and ACS Power	1,021,117
GHG Emissions (excludes grandfathered emissions)	771,702
GHG Emissions Intensity (in MT CO ₂ e/MWh)	0.3647

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
ARP Loyalton	Biomass & biowaste	CA	W7032	60570	N/A	50111	4		4	4	0.0329	0	
Cal Energy (Salton Sea Unit 5)	Geothermal	CA	W1372	60773		55983	67,781		67,781	67,781	0.0650	4,407	
CalEnergy Portfolio (Vulcan)	Geothermal	CA	W452	60308		50210	15,852		15,852	15,852	0.0572	907	
CalEnergy Portfolio (Elmore)	Geothermal	CA	W454	60310		10634	157,008		157,008	157,008	0.0211	3,320	
CalEnergy Portfolio (Leathers)	Geothermal	CA	W456	60318		10631	22,159		22,159	22,159	0.0659	1,461	
CalEnergy Portfolio (Salton Sea 3)	Geothermal	CA	W455	60317		10759	77,478		77,478	77,478	0.0650	5,037	
CalEnergy Portfolio (Del Ranch)	Geothermal	CA	W451	60307		10632	195,495		195,495	195,495	0.0572	11,185	
CalEnergy Portfolio (Salton Sea 1)	Geothermal	CA	W461	60323		10878	7,072		7,072	7,072	0.0650	460	
CalEnergy Portfolio (Salton Sea 2)	Geothermal	CA	W458	60320		10879	7,635		7,635	7,635	0.0650	496	
CalEnergy Portfolio (Salton Sea Unit 5)	Geothermal	CA	W1372	60773		55983	43,438		43,438	43,438	0.0650	2,824	
Columbia Two	Solar	CA	W4191	60852		58990	31,664		31,664	31,664	-	-	
AP North Lake	Solar	CA	W4690	61846		59610	43,143		43,143	43,143	-	-	
Kingbird B	Solar	CA	W4795	62424		60091	40,002		40,002	40,002	-	-	
Summer Solar	Solar	CA	W4957	61501		60280	27,258		27,258	27,258	-	-	
Antelope Big Sky Ranch	Solar	CA	W5027	61481		60279	26,183		26,183	26,183	-	-	
DSR1	Solar	CA	W5083	63125		60186	64,245		64,245	64,245	-	-	
Tequesquite	Solar	CA	W4714	62743		60035	13,885		13,885	13,885	-	-	
Cabazon	Wind	CA	W492	60368		50552	33,882		33,882	33,882	-	-	
Wintec	Wind	CA	W922	60650		50276	3,773		3,773	3,773	-	-	
WKN (Wagner Wind)	Wind	CA	W3255	61179		58233	13,875		13,875	13,875	-	-	
FIRMED-AND-SHAPED IMPORTS													
Facility Name	Fuel Type	State or Province	WREGIS ID	RPS ID	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		
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	524,265	1,146	523,119	523,119	0.9185	480,470	
Hoover	Large hydro	Nevada				154	28,763		28,763	28,763	-	-	
Clearwater	Natural gas	CA				56356	7,955		7,955	7,955	0.4666	3,712	
Riverside Energy Resource Center (RERC)	Natural gas	CA				56143	95,413		95,413	95,413	0.5923	56,517	
Springs	Natural gas	CA				56144	1,778		1,778	1,778	0.7370	1,310	
Palo Verde	Nuclear	Arizona				6008	100,561	39	100,522	100,522	-	-	
									-	-	#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		

END USES OTHER THAN RETAIL SALES	MWh	-	#N/A	
Internal Consumption	28,771	-	#N/A	

2020 POWER SOURCE DISCLOSURE ANNUAL REPORT
SCHEDULE 2: RETIRED UNBUNDLED RECS
For the Year Ending December 31, 2020
(RETAIL SUPPLIER NAME)
(ELECTRIC SERVICE PRODUCT NAME)

INSTRUCTIONS: Enter information about retired unbundled RECs associated with this electricity portfolio. 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.

2020 POWER SOURCE DISCLOSURE ANNUAL REPORT
SCHEDULE 3: POWER CONTENT LABEL DATA
For the Year Ending December 31, 2020
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		
Biomass & Biowaste	891,832	42.2%
Geothermal	4	0.0%
Eligible Hydroelectric	593,918	28.1%
Solar	-	0.0%
Wind	246,380	11.6%
Coal	51,530	2.4%
Large Hydroelectric	523,119	24.7%
Natural gas	28,763	1.4%
Nuclear	105,146	5.0%
Other	100,522	4.8%
Unspecified Power	-	0.0%
Total	2,115,730	100.0%

Total Retail Sales (MWh)	2,115,730
---------------------------------	------------------

GHG Emissions Intensity (converted to lbs CO₂e/MWh)	804
---	------------

Percentage of Retail Sales Covered by Retired Unbundled RECs	0.0%
---	-------------

**POWER SOURCE DISCLOSURE ANNUAL REPORT
ATTESTATION FORM**

**for the year ending December 31, 2020
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: May 28, 2021

Executed at: Riverside, CA