

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 |
| | |
| | |
| | |
| | |
| | |

2021 POWER SOURCE DISCLOSURE ANNUAL REPORT
SCHEDULE 2: RETIRED UNBUNDLED RECS
For the Year Ending December 31, 2021
(RETAIL SUPPLIER NAME)
(ELECTRICITY PORTFOLIO 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.

[illegible]

2021 POWER SOURCE DISCLOSURE ANNUAL REPORT
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 |
|---------------------------------|------------------|

| | |
|---|------------|
| GHG Emissions Intensity (converted to lbs CO₂e/MWh) | 809 |
|---|------------|

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

**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