

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 Glendale	
ELECTRICITY PORTFOLIO NAME	
CONTACT INFORMATION	
NAME	Chie Valdez
TITLE	Integrated Resource Planning Administrator
MAILING ADDRESS	141 N. Glendale Avenue, Level 4 Suite 450
CITY, STATE, ZIP	Glendale, CA 91206
PHONE	(818) 550-4709
EMAIL	cvaldez@glendaleca.gov
WEBSITE URL FOR PCL POSTING	https://www.glendaleca.gov/government/departments/glendale-water-and-power/about-us/power-content-label

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 Glendale
 (ELECTRICITY PORTFOLIO NAME)

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 W8. 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.

973,037	998,031	973,037
998,031	-	998,031
24,994	329,566	329,566
34,516	633,949	633,949
236,020	0,2220	0,2220

Facility Name	Fuel Type	State or Province	WREGIS ID	RPS ID	M/A	EIA ID	Gross MWh		MWh Residual	Net MWh Procured	Adjusted Net MWh Procured	GHG Emissions Factor (in MT CO ₂ e/MWh)	GHG Emissions (in MT CO ₂ e)	M/A
							Procured	Residual						
Pleasant Valley Wind	Wind	WY	W236	61559A		50693	25,091	709	24,292	24,292	0.0445	4,363		
Clearwater Paper Corp. - Lewiston #3 Turbine	Biomass & bioval	ID	W128	60533A		50637	14,821		14,821	14,821	0.0445	660		
Clearwater Paper Corp. - Lewiston #4 Turbine	Biomass & bioval	ID	W129	60533A		50637	14,821		14,821	14,821	0.0445	660		
Glendale Community College Solar Parking Roof	Solar	CA	W2970	6057A		P241	361		361	361				
Seneca Sustainable Energy	Biomass & bioval	OR	W2045	61090A		57457	5,243		5,243	5,243	0.0198	104		
Kettle Falls Woodwaste Plant	Biomass & bioval	WA	W130	60495A		550	19,204		19,204	19,204	0.0810	1,172		
Monroe Street HED	Eligible hydro	WA	W218	60496A		9095	20,356		20,356	20,356				
Nine Mile HED	Eligible hydro	WA	W216	60497A		3869	14,023		14,023	14,023				
Nine Mile HED 2	Eligible hydro	WA	W283	60497A		3869	2,758		2,758	2,758				
Post Falls HED - Post Falls 2	Eligible hydro	ID	W794	60498A		835	1,524		1,524	1,524				
Post Falls HED - Post Falls 3	Eligible hydro	ID	W795	60498A		835	1,165		1,165	1,165				
Post Falls HED - Post Falls 4	Eligible hydro	ID	W796	60498A		835	2,080		2,080	2,080				
Post Falls HED - Post Falls HED	Eligible hydro	ID	W220	60498A		835	3,329		3,329	3,329				
Upper Falls HED	Eligible hydro	WA	W217	60499A		9096	14,287		14,287	14,287				
Whitespruce No. 1 - Whitespruce No. 1	Geothermal	NV	W8098	63799A		63001	18,956		18,956	18,956				

Facility Name	Fuel Type	State or Province	WREGIS ID	RPS ID	M/A	EIA ID	Gross MWh		MWh Residual	Net MWh Procured	Adjusted Net MWh Procured	GHG Emissions Factor (in MT CO ₂ e/MWh)	GHG Emissions (in MT CO ₂ e)	M/A
							Procured	Residual						
Pebble Springs	Wind	OR	W978	60693A		56789	45,853		45,853	45,853	0.4280	19,625	Yes	
Tieton Hydropower - Turbine 1	Eligible hydro	WA	W222	60735A		57496	10,729		10,729	10,729	0.4280	4,592	Yes	
Tieton Hydropower - Turbine 2	Eligible hydro	WA	W223	60735A		57496	10,725		10,725	10,725	0.4280	4,590	Yes	
Onmtl Second Impetal Geothermal - DEC B - Haber South	Geothermal	CA	W792	60682A		54889	13,712		13,712	13,712	0.4280	5,868	Yes	
High Winds	Wind	CA	W229	60726A		56075	19,773		19,773	19,773	0.4280	8,463	Yes	
Second Impetal Geothermal - DEC 7 - Gould2	Geothermal	CA	W793	60573A		54689	2,628		2,628	2,628	0.4280	1,125	Yes	

Facility Name	Fuel Type	State or Province	WREGIS ID	RPS ID	M/A	EIA ID	Gross MWh		MWh Residual	Net MWh Procured	Adjusted Net MWh Procured	GHG Emissions Factor (in MT CO ₂ e/MWh)	GHG Emissions (in MT CO ₂ e)	M/A
							Procured	Residual						
Hoover Dam	Large hydro	AZ/NV				8902	51,092		51,092	51,092	0.8998	31,058		
Inframountain Power Project (IPP)	Coal	UT	6481			6481	233,447	198,931	34,516	34,516	0.8998	31,058		
Palo Verde	Nuclear	AZ				6008	82,197	688	81,509	81,509	0.4116	70,259		
Magnolia Power Project	Natural gas	CA				56046	184,701	170,693	14,008	14,008	0.4116	70,259		
Boundary Hydroelectric Units	Large hydro	WA	6433			250	250		250	250				
Med-C Hydro - Rock Island (Chelan County PUD)	Large hydro	WA				6200	54		54	54				
Med-C Hydro - Priest Rapids & Wanapum Dams	Large hydro	WA				3888	51,502		51,502	51,502				
(Grant County PUD)	Large hydro	WA				3883	19,980		19,980	19,980				
Med-C Hydro - Rocky Reach (Chelan County PUD)	Large hydro	WA				10014	52,853		52,853	52,853				
Lucky Peak Power Plant Project	Large hydro	WA				P202	27,839		27,839	27,839				
Bridge River 1 Hydroelectric Generation Facility (Larja hydro)	Large hydro	British Columbia				377	144,865		144,865	144,865	0.8098	109,798		
Grayson Power Plant	Natural gas	CA												

PROCUREMENTS FROM ASSET-CONTROLLING SUPPLIERS

2021 POWER SOURCE DISCLOSURE ANNUAL REPORT
SCHEDULE 3: POWER CONTENT LABEL DATA
For the Year Ending December 31, 2021
City of Glendale
(ELECTRICITY PORTFOLIO NAME)

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	343,796	35.3%
Biomass & Biowaste	137,245	14.1%
Geothermal	35,296	3.6%
Eligible Hydroelectric	80,976	8.3%
Solar	361	0.0%
Wind	89,918	9.2%
Coal	34,516	3.5%
Large Hydroelectric	207,747	21.4%
Natural gas	304,572	31.3%
Nuclear	82,090	8.4%
Other	42	0.0%
Unspecified Power	273	0.0%
Total	973,037	100.0%

Total Retail Sales (MWh)	973,037
---------------------------------	----------------

GHG Emissions Intensity (converted to lbs CO₂e/MWh)	489
---	------------

Percentage of Retail Sales Covered by Retired Unbundled RECs	0.2%
---	-------------

ASSET CONTROLLING SUPPLIER RESOURCE MIX CALCULATOR

Instructions: Enter total net specified procurement of ACS system resources into cell A8 or A23.
In Column E, the calculator will determine quantities of resource-specific net procurement for entry on Schedule 1.

Net MWh Procured		Bonneville Power Administration		
		Resource Type	Resource Mix Factors	Resource-Specific Procurements from ACS
5,074	N/A	Biomass & biowaste		-
		Geothermal		-
		Eligible hydroelectric		-
		Solar	0.00	0
		Wind		-
		Coal		-
		Large hydroelectric	0.82	4,177
		Natural gas		-
		Nuclear	0.11	581
		Other	0.01	42
		Unspecified Power	0.05	273

Net MWh Procured		Tacoma Power		
		Resource Type	Resource Mix Factors	Resource-Specific Procurements from ACS
	N/A	Biomass & biowaste		-
		Geothermal		-
		Eligible hydroelectric		-
		Solar		-
		Wind		-
		Coal		-
		Large hydroelectric	0.86	-
		Natural gas		-
		Nuclear	0.07	-
		Other		-
		Unspecified Power	0.08	-

**2021 POWER SOURCE DISCLOSURE ANNUAL REPORT
ATTESTATION FORM**

For the Year Ending December 31, 2021

City of Glendale

(ELECTRICITY PORTFOLIO NAME)

I, Chie Valdez,

Integrated Resource Planning Administrator, 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 Glendale, 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: Chie Valdez

Representing (Retail Supplier): City of Glendale

Signature: _____

Dated: 8/3/22

Executed at: 141 N Glendale Ave level 4, Glendale CA 91201