

DOCKETED

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2022 POWER SOURCE DISCLOSURE ANNUAL REPORT For the Year Ending December 31, 2022

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	
	Calpine PowerAmerica-CA, LLC
ELECTRICITY PORTFOLIO NAME	
CONTACT INFORMATION	
NAME	Jason Armenta
TITLE	Vice President, Power Trading
MAILING ADDRESS	717 Texas Ave., #1000
CITY, STATE, ZIP	Houston, Texas 77002
PHONE	713-830-8362
EMAIL	Jason.Armenta@calpine.com
WEBSITE URL FOR PCL POSTING	https://www.calpine.com/cpa-ca-pcl-2022

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) 639-0573.

**2022 POWER SOURCE DISCLOSURE ANNUAL REPORT
SCHEDULE 1: PROCUREMENTS AND RETAIL SALES
For the Year Ending December 31, 2022
Calpine PowerAmerica-CA, LLC**

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 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)	REDACTED
Net Specified Procurement (MWh)	831,348
Unspecified Power (MWh)	REDACTED
Procurement to be adjusted	-
Net Specified Natural Gas	-
Net Specified Coal & Other Fossil Fuels	-
Net Specified Nuclear, Large Hydro, Renewables, and ACS Power	831,348
GHG Emissions (excludes grandfathered emissions)	279,665
GHG Emissions Intensity (in MT CO ₂ e/MWh)	0.2110

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	
Geysers Power Plant - Calpine Geothermal Unit 5	Geothermal	CA	W119	60002A		286	25		25	25	0.0366	1		
Geysers Power Plant - Calpine Geothermal Unit 7	Geothermal	CA	W120	60003A		286	1,208		1,208	1,208	0.0366	44		
Geysers Power Plant - Calpine Geothermal Unit 1	Geothermal	CA	W121	60005A		286	2,757		2,757	2,757	0.0366	101		
Geysers Power Plant - Calpine Geothermal Unit 1	Geothermal	CA	W122	60026A		286	9,907		9,907	9,907	0.0366	363		
Geysers Power Plant - Calpine Geothermal Unit 1	Geothermal	CA	W123	60006A		286	22,865		22,865	22,865	0.0366	837		
Geysers Power Plant - Calpine Geothermal Unit 1	Geothermal	CA	W124	60007A		286	8,474		8,474	8,474	0.0366	310		
Geysers Power Plant - Calpine Geothermal Unit 2	Geothermal	CA	W126	60009A		286	1,699		1,699	1,699	0.0366	62		
RE Slate 1 LLC - Stanton - Slate Stanford	Solar	CA	W12668	64917A		P360	145,610		145,610	145,610	-	-		
Edwards Solar 1B - Sub Project E4 - Edwards San	Solar	CA	W13935	65032C			8,856		8,856	8,856	-	-		
Ridgetop Energy, LLC - Ridgetop Energy, LLC (I)	Wind	CA	W406	60375A			47,888		47,888	47,888	-	-		
Cameron Ridge, LLC (III) - Cameron Ridge LLC (I)	Wind	CA	W407	60392A			62,826		62,826	62,826	-	-		
Ridgetop Energy, LLC (II) - Ridgetop Energy, LLC	Wind	CA	W408	60407A			34,464		34,464	34,464	-	-		
San Gorgonio East - San Gorgonio East	Wind	CA	W4764	63228A		P8	13,664		13,664	13,664	-	-		
Geysers Power Plant - Calistoga Power Plant	Geothermal	CA	W486	60117A			1,941		1,941	1,941	0.0366	71		
San Gorgonio Altwind - San Gorgonio Altwind	Wind	CA	W4960	60402A		P7	5,760		5,760	5,760	-	-		
Terra-Gen Mojave Wind Farms, LLC - Morwind - T	Wind	CA	W498	60380A			33,016		33,016	33,016	-	-		
Oak Creek Wind Power, LLC - Oak Creek Wind P	Wind	CA	W509	60429A			23,570		23,570	23,570	-	-		
Altwind 2 - Altwind 2	Wind	CA	W514	60403A		P2	2,308		2,308	2,308	-	-		
Altwind 1 - Altwind 1	Wind	CA	W516	60402A		P1	1,217		1,217	1,217	-	-		
Desert Winds I - Desert Winds I	Wind	CA	W521	60397A		P4	28,716		28,716	28,716	-	-		
Rosamond I - West Solar - Solar Star California X	Solar	CA	W5216	63166A			148,030		148,030	148,030	-	-		
Desert Winds II Pwr Purch Trst - Desert Winds II	Wind	CA	W522	60422A		P5	54,939		54,939	54,939	-	-		
Desert Winds III - Desert Winds III	Wind	CA	W523	60423A		P6	16,234		16,234	16,234	-	-		
Altwind 3 - Altwind 3	Wind	CA	W749	60402A		P3	374		374	374	-	-		
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?	
Marengo - Marengo	Wind	WA	W185	60729A	56466	Unspecified	14,200	-	14,200	14,200	0.4280	6,078		
Elkhorn Valley Wind Farm - Elkhorn Valley Wind F	Wind	OR	W186	61034A	56623	Unspecified	10,630	-	10,630	10,630	0.4280	4,550		
Wolverine Creek - Wolverine Creek	Wind	ID	W188	60564A	56301	Unspecified	2,500	-	2,500	2,500	0.4280	1,070		
Leaning Juniper I - Leaning Juniper I	Wind	OR	W200	60562A	56360	Unspecified	6,500	-	6,500	6,500	0.4280	2,782		
Rockland Wind Farm - Rockland Wind Farm	Wind	ID	W2445	61107A	57766	Unspecified	79,033	-	79,033	79,033	0.4280	33,826		
Neal Hot Springs Unit #1 - Neal Hot Springs Geot	Geothermal	OR	W3155	62427A	58022	Unspecified	3,152	-	3,152	3,152	0.4280	1,349		
ID Solar 1 - ID Solar 1, LLC	Solar	ID	W5076	63560A	60445	Unspecified	5,609	-	5,609	5,609	0.4280	2,401		
Simcoe Solar, LLC - Simcoe Solar, LLC	Solar	ID	W5372	63447A	60748	Unspecified	3,146	-	3,146	3,146	0.4280	1,346		
Orchard Ranch Solar, LLC - Orchard Ranch Solar	Solar	ID	W5373	63448A	60010	Unspecified	2,947	-	2,947	2,947	0.4280	1,261		
American Falls Solar II, LLC - American Falls Solar	Solar	ID	W5375	63450A	60012	Unspecified	3,020	-	3,020	3,020	0.4280	1,293		
American Falls Solar, LLC - American Falls Solar,	Solar	ID	W5376	63451A	60011	Unspecified	2,563	-	2,563	2,563	0.4280	1,097		
Marengo II - Marengo II	Wind	WA	W772	60730A	56466	Unspecified	6,500	-	6,500	6,500	0.4280	2,782		
Seven Mile Hill I - Seven Mile Hill I	Wind	WY	W975	60807A	56843	Unspecified	15,200	-	15,200	15,200	0.4280	6,506		
SPECIFIED NON-RENEWABLE PROCUREMENTS														

2022 POWER SOURCE DISCLOSURE ANNUAL REPORT
SCHEDULE 3: POWER CONTENT LABEL DATA
For the Year Ending December 31, 2022
Calpine PowerAmerica-CA, LLC

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	831,348	REDACTED
Biomass & Biowaste	-	
Geothermal	52,028	
Eligible Hydroelectric	-	
Solar	319,781	
Wind	459,539	
Coal	-	
Large Hydroelectric	-	
Natural gas	-	
Nuclear	-	
Other	-	
Unspecified Power	-	
Total	REDACTED	

Total Retail Sales (MWh)

REDACTED

GHG Emissions Intensity (converted to lbs CO₂e/MWh)

465

**Percentage of Retail Sales Covered by Retired Unbundled
RECs**

REDACTED

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.

		Bonneville Power Administration		
Net MWh Procured	N/A	Resource Type	Resource Mix Factors	Resource-Specific Procurements from ACS
		Biomass & biowaste		-
		Geothermal		-
		Eligible hydroelectric		-
		Solar	0.00	-
		Wind		-
		Coal		-
		Large hydroelectric	0.84	-
		Natural gas		-
		Nuclear	0.11	-
		Other	0.01	-
		Unspecified Power	0.04	-

		Tacoma Power		
Net MWh Procured	N/A	Resource Type	Resource Mix Factors	Resource-Specific Procurements from ACS
		Biomass & biowaste		-
		Geothermal		-
		Eligible hydroelectric		-
		Solar		-
		Wind		-
		Coal		-
		Large hydroelectric	0.89	-
		Natural gas		-
		Nuclear	0.06	-
		Other		-
		Unspecified Power	0.05	-

**2022 POWER SOURCE DISCLOSURE ANNUAL REPORT
ATTESTATION FORM
For the Year Ending December 31, 2022
Calpine PowerAmerica-CA, LLC**

I, Jason Armenta, Vice President, Power Trading, declare under penalty of perjury, that the information provided in this report is true and correct and that I, as an authorized agent of Calpine PowerAmerica-CA, LLC have authority to submit this report on the retail supplier's behalf. I further declare that all of the electricity claimed as specified purchases as shown in this report was sold once and only once to retail customers.

Name: Jason Armenta

Representing (Retail Supplier): Calpine PowerAmerica-CA, LLC

Signature: _____ *Jason Armenta* _____

Dated: June 1, 2023

Executed at: Houston, Texas