

DOCKETED

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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	
	Calpine PowerAmerica-CA, LLC
ELECTRICITY PORTFOLIO NAME	
CONTACT INFORMATION	
NAME	Jason Armenta
TITLE	VP Power Marketing, Trading West
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-2021

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.

2021 POWER SOURCE DISCLOSURE ANNUAL REPORT
SCHEDULE 1: PROCUREMENTS AND RETAIL SALES
For the Year Ending December 31, 2021
Calpine PowerAmerica-CA, LLC

REDACTED

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)	
Net Specified Procurement (MWh)	438,299
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	438,299
GHG Emissions (excludes grandfathered emissions)	415,985
GHG Emissions Intensity (in MT CO _{2e} /MWh)	0.3143

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 _{2e} /MWh)	GHG Emissions (in MT CO _{2e})	N/A	
Geysers Power Plant - Calpine Geothermal Unit 5/6	Geothermal	CA	W117	60002A		286	4		4	4	0.0374	0		
Geysers Power Plant - Calpine Geothermal Unit 7-8	Geothermal	CA	W118	60003A		286	4		4	4	0.0374	0		
Geysers Power Plant - Calpine Geothermal Unit 11	Geothermal	CA	W119	60025A		286	3		3	3	0.0374	0		
Geysers Power Plant - Calpine Geothermal Unit 12	Geothermal	CA	W120	60004A		286	2		2	2	0.0374	0		
Geysers Power Plant - Calpine Geothermal Unit 14	Geothermal	CA	W122	60026A		286	12		12	12	0.0374	0		
Geysers Power Plant - Calpine Geothermal Unit 16	Geothermal	CA	W123	60006A		286	1		1	1	0.0374	0		
Geysers Power Plant - Calpine Geothermal Unit 17	Geothermal	CA	W124	60007A		286	3		3	3	0.0374	0		
Geysers Power Plant - Calpine Geothermal Unit 18	Geothermal	CA	W125	60008A		286	11		11	11	0.0374	0		
Geysers Power Plant - Calpine Geothermal Unit 20	Geothermal	CA	W126	60009A		286	5,019		5,019	5,019	0.0374	188		
Geysers Power Plant - Sonoma/Calpine Geysers	Geothermal	CA	W127	60010A		510	43,218		43,218	43,218	0.0374	1,617		
Ridgetop Energy, LLC - Ridgetop Energy, LLC (I)	Wind	CA	W406	60375A		10597	26,281		26,281	26,281	-	-		
Cameron Ridge, LLC (III) - Cameron Ridge LLC (III)	Wind	CA	W407	60392A		10586	30,153		30,153	30,153	-	-		
Ridgetop Energy, LLC (II) - Ridgetop Energy, LLC (II)	Wind	CA	W408	60407A		10597	17,604		17,604	17,604	-	-		
San Geronio East - San Geronio East	Wind	CA	W4764	63228A		P8	9,662		9,662	9,662	-	-		
Geysers Power Plant - Adlin Power Plant	Geothermal	CA	W484	60115A		52158	2		2	2	0.0374	0		
Geysers Power Plant - Calistoga Power Plant	Geothermal	CA	W486	60117A		50066	32,931		32,931	32,931	0.0374	1,232		
Terra-Gen Mojave Wind Farms, LLC - Morwind - Terra-Gen Mojave	Wind	CA	W498	60380A		P161	19,643		19,643	19,643	-	-		
Oak Creek Wind Power, LLC - Oak Creek Wind Power, LLC	Wind	CA	W509	60429A		50754	14,009		14,009	14,009	-	-		
Altwind 2 - Altwind 2	Wind	CA	W514	60403A		P2	619		619	619	-	-		
Altwind 1 - Altwind 1	Wind	CA	W516	60402A		P1	1,443		1,443	1,443	-	-		
Desert Winds I - Desert Winds I	Wind	CA	W521	60397A		P4	12,409		12,409	12,409	-	-		
Rosamond I - West Solar - Solar Star California XLI, LLC	Solar	CA	W5216	63166A		60591	107,389		107,389	107,389	-	-		
Desert Winds II Pwr Purch Trst - Desert Winds II Pwr Purch Trst	Wind	CA	W522	60422A		P5	27,431		27,431	27,431	-	-		
Desert Winds III - Desert Winds III	Wind	CA	W523	60423A		P6	10,746		10,746	10,746	-	-		

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 _{2e} /MWh)	GHG Emissions (in MT CO _{2e})	Eligible for Grandfathered Emissions?	
Elkhorn Valley Wind Farm - Elkhorn Valley Wind Farm	Wind	OR	W186	61034A	56623	Unspecified	27,839		27,839	27,839	0.4280	11,915		
Neal Hot Springs Unit #1 - Neal Hot Springs Geothermal	Geothermal	OR	W3155	62427A	58022	Unspecified	16,667		16,667	16,667	0.4280	7,133		
Tucannon River Wind Farm - Tucannon River 2	Wind	WA	W4483	63027A	58571	Unspecified	23,900		23,900	23,900	0.4280	10,229		
Grand View 5 East - Grand View 5 East	Solar	ID	W5069	61595A	60068	Unspecified	1,430		1,430	1,430	0.4280	612		
Grand View 2 West - Grand View 2 West	Solar	ID	W5070	61595A	60068	Unspecified	4,379		4,379	4,379	0.4280	1,874		
ID Solar 1 - ID Solar 1, LLC	Solar	ID	W5076	63560A	60445	Unspecified	2,892		2,892	2,892	0.4280	1,238		
American Falls Solar II, LLC - American Falls Solar II, LLC	Solar	ID	W5375	63450A	60012	Unspecified	1,267		1,267	1,267	0.4280	542		
American Falls Solar, LLC - American Falls Solar, LLC	Solar	ID	W5376	63451A	60011	Unspecified	1,326		1,326	1,326	0.4280	568		

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 _{2e} /MWh)	GHG Emissions (in MT CO _{2e})	N/A	
									-	-	#N/A			
									-	-	#N/A			
									-	-	#N/A			
									-	-	#N/A			
									-	-	#N/A			
									-	-	#N/A			
									-	-	#N/A			
									-	-	#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												

**2021 POWER SOURCE DISCLOSURE ANNUAL REPORT
SCHEDULE 2: RETIRED UNBUNDLED RECS
For the Year Ending December 31, 2021
Calpine PowerAmerica-CA, LLC**

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.

Total Retired Unbundled RECs 17,889

RETIRED UNBUNDLED RECS				
Facility Name	Fuel Type	State or Province	RPS ID	Total Retired (in MWh)
Geysers Power Plant - Calpine Geothermal U	Geothermal	CA	60006A	99
Geysers Power Plant - Calpine Geothermal U	Geothermal	CA	60008A	17790

2021 POWER SOURCE DISCLOSURE ANNUAL REPORT
SCHEDULE 3: POWER CONTENT LABEL DATA
For the Year Ending December 31, 2021
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	438,299	REDACTED
Biomass & Biowaste	-	
Geothermal	97,877	
Eligible Hydroelectric	-	
Solar	118,683	
Wind	221,739	
Coal	-	
Large Hydroelectric	-	
Natural gas	-	
Nuclear	-	
Other	-	
Unspecified Power	REDACTED	
Total	REDACTED	
Total Retail Sales (MWh)		REDACTED
GHG Emissions Intensity (converted to lbs CO₂e/MWh)		693
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	0.82	-
		Natural gas		-
		Nuclear	0.11	-
		Other	0.01	-
		Unspecified Power	0.05	-

		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	0.86	-
		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
Calpine PowerAmerica-CA, LLC**

I, Jason Armenta, Vice President, Energy Marketing, 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 Calpine PowerAmerica-CA, LLC 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: Jason Armenta

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

Signature: 

Dated: June 1, 2022

Executed at: Houston, Texas