

**DOCKETED**

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<b>Description:</b>	Calpine PowerAmerica-CA, LLC's 2020 Power Source Disclosure Annual Report (Public Version)
<b>Filer:</b>	Katie Jorrie
<b>Organization:</b>	Davis Wright Tremaine LLP
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## 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	
	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, TX 77002
PHONE	713-830-8362
EMAIL	<a href="mailto:jarmenta@calpine.com">jarmenta@calpine.com</a>
WEBSITE URL FOR PCL POSTING	<a href="https://www.calpine.com/cpa-ca-pcl-2020">https://www.calpine.com/cpa-ca-pcl-2020</a>

Submit the Annual Report and signed Attestation in PDF format with the Excel version of the Annual Report to [PSDprogram@energy.ca.gov](mailto: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](mailto:PSDprogram@energy.ca.gov) or (916) 639-0573.

**2020 POWER SOURCE DISCLOSURE ANNUAL REPORT**  
**SCHEDULE 1: PROCUREMENTS AND RETAIL SALES**  
**For the Year Ending December 31, 2020**  
**(RETAIL SUPPLIER NAME)**  
**(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", "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)	REDACTED
Net Specified Procurement (MWh)	421,360
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	421,360
GHG Emissions (excludes grandfathered emissions)	395,639
GHG Emissions Intensity (in MT CO <sub>2</sub> e/MWh)	0.2976

**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		N/A
											Factor (in MT CO <sub>2</sub> e/MWh)	GHG Emissions (in MT CO <sub>2</sub> e)	
Geysers Power Plant - Calpine Geothermal Unit 5/6	Geothermal	CA	W117	60002A		286	4		4	4	0.0363	0	
Geysers Power Plant - Calpine Geothermal Unit 7-	Geothermal	CA	W118	60010A		286	3		3	3	0.0363	0	
Geysers Power Plant - Calpine Geothermal Unit 11	Geothermal	CA	W119	60025A		286	3		3	3	0.0363	0	
Geysers Power Plant - Calpine Geothermal Unit 12	Geothermal	CA	W120	60004A		286	1		1	1	0.0363	0	
Geysers Power Plant - Calpine Geothermal Unit 13	Geothermal	CA	W121	60005A		286	1		1	1	0.0363	0	
Geysers Power Plant - Calpine Geothermal Unit 14	Geothermal	CA	W122	60026A		286	2		2	2	0.0363	0	
Geysers Power Plant - Calpine Geothermal Unit 16	Geothermal	CA	W123	60006A		286	1		1	1	0.0363	0	
Geysers Power Plant - Calpine Geothermal Unit 17	Geothermal	CA	W124	60007A		286	1		1	1	0.0363	0	
Geysers Power Plant - Calpine Geothermal Unit 18	Geothermal	CA	W125	60008A		286	7,004		7,004	7,004	0.0363	254	
Geysers Power Plant - Calpine Geothermal Unit 20	Geothermal	CA	W126	60009A		286	13,918		13,918	13,918	0.0363	505	
Geysers Power Plant - Sonoma/Calpine Geysers	Geothermal	CA	W127	60010A		510	58,413		58,413	58,413	0.0363	2,119	
Geysers Power Plant - Aidlin Power Plant	Geothermal	CA	W484	60115A		52158	5		5	5	0.0363	0	
Geysers Power Plant - Calistoga Power Plant	Geothermal	CA	W486	60117A		50066	111,389		111,389	111,389	0.0363	4,041	
Rosamond I - West Solar - Solar Star California XL	Solar	CA	W5216	63166A		60591	103,915		103,915	103,915	-	-	

**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 <sub>2</sub> e/MWh)	GHG Emissions (in MT CO <sub>2</sub> e)	Eligible for Grandfathered Emissions?
Biglow Canyon Wind Farm - Biglow Phase 2	Wind	OR	W1268	63055A	56485		20,000		20,000	20,000	#N/A		
Harvest Wind - Harvest Wind	Wind	WA	W1306	60857A	57152		9,098		9,098	9,098	#N/A		
Klondike III - Klondike Wind Power III LLC	Wind	WA	W237	60602A	56468		1,296		1,296	1,296	#N/A		
Monroe Street HED - Monroe Street HED	Eligible hydro	WA	W218	60496A	9095		460		460	460	#N/A		
Nine Mile HED - Nine Mile HED	Eligible hydro	WA	W216	60497A	3869		409		409	409	#N/A		
Post Falls HED - Post Falls HED	Eligible hydro	ID	W220	60498A	835		80		80	80	#N/A		
Kittitas Valley Wind Farm - Sagebrush Power Part	Wind	WA	W1876	60939A	56858		13,437		13,437	13,437	#N/A		
Tucannon River Wind Farm - Tucannon River 1	Wind	WA	W4482	63026A	58571		15,000		15,000	15,000	#N/A		

Tucannon River Wind Farm - Tucannon River 2	Wind	WA	W4483	63026A	58571		10,000		10,000	10,000	#N/A		
Upper Falls HED - Upper Falls HED	Eligible hydro	WA	W217	60499A	9096		220		220	220	#N/A		
Cedar Creek II - Cedar Creek II	Wind	CO	W1900	61384A	57210		26,700		26,700	26,700	#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 CO2e/MWh)	GHG Emissions (in MT CO2e)	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 CO2e/MWh)	GHG Emissions (in MT CO2e)	N/A
										-	#N/A		
										-	#N/A		
										-	#N/A		
										-	#N/A		

<b>END USES OTHER THAN RETAIL SALES</b>	<b>MWh</b>



**2020 POWER SOURCE DISCLOSURE ANNUAL REPORT**  
**SCHEDULE 3: POWER CONTENT LABEL DATA**  
**For the Year Ending December 31, 2020**  
**(RETAIL SUPPLIER NAME)**  
**(ELECTRIC SERVICE PRODUCT 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
<b>Renewable Procurements</b>	421,360	REDACTED
Biomass & Biowaste	-	
Geothermal	190,745	
Eligible Hydroelectric	1,169	
Solar	103,915	
Wind	125,531	
Coal	-	
Large Hydroelectric	-	
Natural gas	-	
Nuclear	-	
Other	-	
Unspecified Power	REDACTED	
<b>Total</b>		
<b>Total Retail Sales (MWh)</b>		REDACTED
<b>GHG Emissions Intensity (converted to lbs CO<sub>2</sub>e/MWh)</b>		656
<b>Percentage of Retail Sales Covered by Retired Unbundled RECs</b>		REDACTED

## ASSET CONTROLLING SUPPLIER RESOURCE MIX CALCULATOR

Instructions: Enter total net specified procurement of ACS system resources into cell A8, A23, or A38. In Column E, the calculator will determine quantities of resource-specific net procurement for entry on Schedule 1.

Powerex				
Net MWh Procured	N/A	Resource Type	Resource Mix Factors	Resource-Specific Procurements from ACS
		Biomass & biowaste		-
		Geothermal		-
		Eligible hydroelectric		-
		Solar		-
		Wind	0.00	-
		Coal		-
		Large hydroelectric	0.88	-
		Natural gas	0.01	-
		Nuclear	0.01	-
		Other	0.04	-
		Unspecified Power	0.06	-

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	0.85	-
		Natural gas	0.00	-
		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	0.90	-
		Natural gas		-
		Nuclear	0.06	-
		Other		-
		Unspecified Power	0.04	-

**POWER SOURCE DISCLOSURE ANNUAL REPORT  
ATTESTATION FORM  
for the year ending December 31, 2020  
(RETAIL SUPPLIER NAME)  
(ELECTRICITY PORTFOLIO NAME)**

I, (print name) Jason Armenta,  
(title) VP Power Marketing, Trading West 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 (print name of company) 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: Jason Armenta

Dated: June 1, 2021

Executed at: Houston, TX