

DOCKETED

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**ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION: Power Source Disclosure
For the Year Ending December 31, 2019**

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

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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) 654-3954.



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
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. **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. For specified purchases, include the 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.

Net Megawatt Hours Procured - The Schedule automatically calculates the quantity of electricity procured minus resold electricity.

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. Unbundled RECs will be automatically displayed on Schedule 3 as a percentage of retail sales.

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, or resource mix, 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.

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.



ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION: Power Source Disclosure
SCHEDULE 1: PROCUREMENTS AND RETAIL SALES
For the Year Ending December 31, 2019
(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 firm-ed-and-shaped imports, provide the EIA ID of the substitute power, not the generator ID of the RECs. 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 L9. 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)	518,686
Unspecified Power (MWh)	REDACTED
Procurement to be adjusted	-
Net Natural Gas	-
Net Coal & Other Fossil Fuels	-
Net Nuclear, Large Hydro & Renewables	518,686

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	N/A
Geysers Power Plant - Aidlin Power Plant	Geothermal	CA	W484	60115A		52158	544		544	544	
Geysers Power Plant - Calistoga Power Plant	Geothermal	CA	W486	60117A		50066	49,084		49,084	49,084	
Geysers Power Plant - Calpine Geothermal Unit 11	Geothermal	CA	W119	60025A		286	4,670		4,670	4,670	
Geysers Power Plant - Calpine Geothermal Unit 12	Geothermal	CA	W120	60004A		286	1,970		1,970	1,970	
Geysers Power Plant - Calpine Geothermal Unit 13	Geothermal	CA	W121	60005A		286	4,455		4,455	4,455	
Geysers Power Plant - Calpine Geothermal Unit 14	Geothermal	CA	W122	60026A		286	593		593	593	
Geysers Power Plant - Calpine Geothermal Unit 16	Geothermal	CA	W123	60006A		286	41		41	41	
Geysers Power Plant - Calpine Geothermal Unit 17	Geothermal	CA	W124	60007A		286	376		376	376	
Geysers Power Plant - Calpine Geothermal Unit 18	Geothermal	CA	W125	60008A		286	18,168		18,168	18,168	
Geysers Power Plant - Calpine Geothermal Unit 20	Geothermal	CA	W126	60009A		286	27,211		27,211	27,211	
Geysers Power Plant - Calpine Geothermal Unit 5/6	Geothermal	CA	W117	60002A		286	3,277		3,277	3,277	
Geysers Power Plant - Calpine Geothermal Unit 7-8	Geothermal	CA	W118	60003A		286	3,962		3,962	3,962	
Geysers Power Plant - Sonoma/Calpine Geyser	Geothermal	CA	W127	60010A		510	185,235		185,235	185,235	
Rosamond I - West Solar - Solar Star California XLI, LLC	Solar	CA	W5216	60855A		58498	100,000		100,000	100,000	
									-	-	
									-	-	
									-	-	
									-	-	
									-	-	

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	Eligible for Grandfathered Emissions?



Campbell Hill - Campbell Hill	Wind	WY	W1383	61017A	57090			10,100		10,100	10,100	
Dunlap I - Dunlap I	Wind	WY	W1687	61188A	57299			11,000		11,000	11,000	
Glenrock I - Glenrock I	Wind	WY	W964	60805A	56841			6,500		6,500	6,500	
Glenrock III - Glenrock III	Wind	WY	W965	60804A	56841			2,500		2,500	2,500	
High Plains - High Plains	Wind	WY	W1334	60899A	57040			6,200		6,200	6,200	
McFadden Ridge - McFadden Ridge	Wind	WY	W1341	60896A	57039			1,800		1,800	1,800	
Rolling Hills - Rolling Hills	Wind	WY	W928	60806A	56842			16,244		16,244	16,244	
Seven Mile Hill I - Seven Mile Hill I	Wind	WY	W975	60807A	56843			22,412		22,412	22,412	
Seven Mile Hill II - Seven Mile Hill II	Wind	WY	W976	60808A	56843			3,826		3,826	3,826	
Top of the World - Top of the World	Wind	WY	W1749	61199A	57327			28,550		28,550	28,550	
Wolverine Creek - Wolverine Creek	Wind	ID	W188	60564A	56301			9,968		9,968	9,968	
-												

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	N/A
									-	-	
									-	-	
									-	-	
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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	N/A
										-	
										-	
										-	
										-	
										-	
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END USES OTHER THAN RETAIL SALES	MWh



ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION: Power Source Disclosure
SCHEDULE 2: PRORCUREMENTS AND RETAIL SALES
For the Year Ending December 31, 2019
(RETAIL SUPPLIER NAME)
(ELECTRIC SERVICE PRODUCT 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.

Total Unbundled RECs	63,498
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RETIRED UNBUNDLED RECS											
Facility Name	Fuel Type	Location (State or Province)	RPS ID	N/A	N/A	Total Retired (in MWh)	N/A	N/A	N/A	N/A	N/A
Geysers Power Plant - Calpine Gen	Geothermal	CA				6,415					
Geysers Power Plant - Calpine Gen	Geothermal	CA				57,083					



**ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION: Power Source
SCHEDULE 3: ANNUAL POWER CONTENT LABEL DATA
for the year ending December 31, 2019
(RETAIL SUPPLIER NAME)
(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	518,686	REDACTED
Biomass & Biowaste	-	
Geothermal	299,586	
Eligible Hydroelectric	-	
Solar	100,000	
Wind	119,100	
Coal	-	REDACTED
Large Hydroelectric	-	
Natural gas	-	
Nuclear	-	
Other	-	
Unspecified Power	-	
Total	REDACTED	

Total Retail Sales (MWh) **REDACTED**

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, 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		-
		Coal		-
		Large hydroelectric	0.915	-
		Natural gas	0.013	-
		Nuclear	0.006	-
		Other	0.032	-
		Unspecified Power	0.034	-

Bonneville Power Administration				
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	0.85	-
		Natural gas		-
		Nuclear	0.11	-
		Other		-
		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	0.896	-
		Natural gas		-
		Nuclear	0.064	-
		Other		-
		Unspecified Power	0.04	-



**ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION: Power Source Disclosure
ATTESTATION FORM
for the year ending December 31, 2019
(RETAIL SUPPLIER NAME)
(ELECTRICITY PORTFOLIO NAME)**

I, (print name) Jason Armenta,
(title) Sr Director Trading, 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

Jason Armenta

Signature: _____

Dated: July 20, 2020

Executed at: Houston TX