

DOCKETED	
Docket Number:	19-IEPR-02
Project Title:	Electricity Resource Plans
TN #:	227755
Document Title:	Valley Clean Energy Alliance 2019 IEPR Resource Plan Forms Public Version
Description:	Confidential Application is TN 227754
Filer:	Gary Lawson
Organization:	Sacramento Municipal Utility District
Submitter Role:	Public Agency
Submission Date:	4/18/2019 2:32:08 PM
Docketed Date:	4/18/2019

State of California
 California Energy Commission
ELECTRICITY RESOURCE PLANNING FORMS
Administrative Information



Name of Load Serving Entity ("LSE")
Name of Resource Planning Coordinator

Valley Clean Energy Alliance
Gary Lawson

Persons who prepared Supply Forms

Name:
 Title:
 E-mail:
 Telephone:
 Address:
 Address 2:
 City:
 State:
 Zip:
 Date Completed:
 Date Updated by LSE:

S-1 Requirement	S-2 Supply
Gary Lawson	Gary Lawson
Wholesale Energy Services Manager	Wholesale Energy Services Manager
Gary.Lawson@smud.org	Gary.Lawson@smud.org
916-732-5802	916-732-5802
6301 S Street	6301 S Street
Sacramento	Sacramento
CA	CA
95817-1899	95817-1899
4/18/2019	4/18/2019

Back-up / Additional Contact Persons for Questions about these Forms (Optional):

Name:
 Title:
 E-mail:
 Telephone:
 Address:
 Address 2:
 City:
 State:
 Zip:

	Jennifer Archuleta
	Project Manager I
	Jennifer.Archuleta@smud.org
	916-732-7252
	6301 S Street
	Sacramento
	CA
	95817-1899

S-3 Small POU Hourly Loads**S-5 Bilateral Contracts****Application for
Confidentiality**

	Gary Lawson	Gary Lawson
	Wholesale Energy Services Manager	Wholesale Energy Services Manager
	Gary.Lawson@smud.org	Gary.Lawson@smud.org
	916-732-5802	916-732-5802
	6301 S Street	6301 S Street
	Sacramento	Sacramento
	CA	CA
	95817-1899	95817-1899
	4/18/2019	4/18/2019

	Jennifer Archuleta	
	Project Manager I	
	Jennifer.Archuleta@smud.org	
	916-732-7252	
	6301 S Street	
	Sacramento	
	CA	
	95817-1899	



Valley Clean Energy Alliance

Yellow fills indicate confidentiality is being requested pursuant to Appendix A.

Bold font cells sum automatically. Data input by User are in dark green font.

line	Capacity Procurment Requirement (MW)	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
	PEAK LOAD CALCULATIONS	(↓ Actual Load ↓)	(Forecast Load ⇒)												
1	Forecast Total Peak-Hour 1-in-2 Demand	0	212	220	213	223	230	231	231	232	233	234	235	237	238
2a	ESP Demand: Existing Customer Contracts														
2b	ESP Demand: New and Renewed Contracts														
2c	ESP Demand in PG&E service area														
2d	ESP Demand in SCE service area														
2e	ESP Demand in SDG&E service area														
3	Additional Achievable Energy Efficiency (-)														
4	Demand Response / Interruptible Programs (-)		0	(5)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)
5	Adjusted Demand: End-Use Customers	0	212	215	209	219	226	227	227	228	229	230	231	233	234
6	Coincidence Adjustment (-)				(13)	(13)	(13)	(13)	(13)	(13)	(13)	(13)	(13)	(13)	(13)
7	Coincident Peak-Hour Demand	0	212	215	196	206	213	214	214	215	216	217	218	220	221
8	Required Planning Reserve Margin	0	32	32	29	31	32	32	32	32	32	33	33	33	33
9	Credit for Imports That Carry Reserves (-)														
10	Firm Sales Obligations														
11	Firm LSE Procurement Requirement	0	244	247	225	237	245	246	247	248	249	250	251	253	254
line	Energy Procurement Requirement (GWh)														
	ENERGY DEMAND CALCULATIONS	(↓ Actual Load ↓)	(Forecast Load ⇒)												
12	Forecast Total Energy Demand / Consumption		422	732	732	753	764	766	771	774	778	783	789	792	797
13a	ESP Demand: Existing Customer Contracts														
13b	ESP Demand: New and Renewed Contracts														
13c	ESP Demand in PG&E service area														
13d	ESP Demand in SCE service area														
13e	ESP Demand in SDG&E service area														
14	Additional Achievable Energy Efficiency (-)														
15	Demand Response / Interruptible Programs (-)		0	0	0	0	0	0	0	0	0	0	0	0	0
16	Adjusted Demand: End-Use Customers	0	422	732	732	753	764	766	771	774	778	783	789	792	797
17	Firm Sales Obligations		0	0	0	0	0	0	0	0	0	0	0	0	0
18	Firm LSE Procurement Requirement	0	422	732	732	753	764	766	771	774	778	783	789	792	797

line	Historic LSE Peak Load:	MW	MW
		Year 2017	Year 2018
19	Annual Peak Load / Actual Metered Deliveries		212.0
20	Date of Peak Load for Annual Peak Deliveries	/17	7/25/18
21	Hour Ending for Annual Peak Deliveries		18
22	Interruptible Load called on during that hour (+)		
23	Self-Generation and DG Adjustments		
24	Adjustments for Major Outages		
25	Adjusted Annual Peak Load	0.0	212.0

1,000

Lines Notes

1	2018 Peak Load, Actual
1	2019 is the CPUC compliance load determined for RA purposes, and includes the coincidence adjustment
1	2020-2030 Peak Load is the July peak
1	

[illegible]

[illegible]

[illegible]



Yellow fills indicate confidentiality is being requested pursuant to Appendix A.

Bold font cells sum automatically. Data input by User are in dark green font.

	CAPACITY SUPPLY RESOURCES (MW)	Plant/Unit Identifier- CEC ID	Plant/Unit Identifier- EIA ID	Plant/Unit Identifier- CAISO ID	Fuel Type	2017 (Actual Capacity)	2018 (Actual Capacity)	2019	2020	2021	2022	2023	2024	2025
1a	Total Fossil Fuel Supply					0	0	0	0	0	0	0	0	0
1b														
1c														
1d														
2a	Total Nuclear Supply					0	0	0	0	0	0	0	0	0
2b														
2c														
3a	Total Hydroelectric Supply					0	0	0	0	0	0	0	0	0
3b	Hyro Supply from Plants 30 MW or more													
3c	Hyro Supply from Plants Less than 30 MW													
4a	Total Utility-Controlled Renewable Supply					0	0	0	0	0	0	0	0	0
4b														
4c														
4d														
5a	Total Qualifying Facility (QF) Contract Supply					0	0	0	0	0	0	0	0	0
5b	Biofuels													
5c	Geothermal													
5d	Small Hydro													
5e	Solar													
5f	Wind													
5g	Natural Gas													
5h	Other													
6a	Total Renewable Contract Supply					0	0	0	0	0	0	0	0	0
6b	Unspecified													
6c	Small Hydro (YCFWCD Contract)	H0243	50129	INDVLY 1 UNITS	Small Hyrdroelectric (<30)									
6d	Wind (PGE 2018 PCC1 Contract)				Wind									
6e	Wind (PGE 2018 PCC2 Contract)				Wind									
6f	Shell PCC-1 (wind, solar, geothermal, and TBD)													
6g	DTE PCC-2 (solar and wind)													
6h	SDG&E PCC-1 (solar and biomass)													
6i	PG&E PCC-1 (wind, solar, biomass)													
6j	Renewable DG Supply													
7a	Total Other Bilateral Contract Supply											0	0	0
7b														
7c														
7d														
7e														
7f														
7g														
7h														
7i														
7j														
7k														
7l														
7m														
7n														
7o														
7p	Non-Renewable DG Supply													
8	Short-Term and Spot Market Purchases (and Sales)													
	CAPACITY/ENERGY BALANCE SUMMARY													
9	Total: Existing and Planned Supply					0	261					0	0	0
10	Firm LSE Procurement Requirement					0	244					246	247	248
11	Net Surplus (or Need)					0	17					(246)	(247)	(248)
12	Generic Renewable Supply											55	55	55
13	Generic Non-Renewable Resources											191	192	193
14	Specified Planning Reserve Margin						15%	15%	15%	15%	15%	15%	15%	15%

Lines	Notes
x	
x	

State of California
California Energy Commission
ELECTRICITY RESOURCE PLANNING FORMS
CEC Form S-3: 2018 SMALL POU HOURLY LOADS



Valley Clean Energy Alliance

For Publicly Owned LSEs with Annual Peak Loads under 200 MW not submitting demand forms

If load is reported for more than one LSE, load for each LSE should be reported in a separate column

Report actual hourly demand in calendar year 2018, in megawatts, for each hour of each day.

Add rows to report all 8,760 hours in 2018.

Begin with the hour that ended at 1 a.m. on January 1, 2018.

Show the load measured at the balancing authority load take-out point (or points).

Add columns for any additional metered take-out points.

The time basis should be Pacific Standard Time (PST) throughout the entire year.

Adjustments for spring and fall daylight saving time have already been included in the form below.

Total MWh	0
Maximum	0
Average	#DIV/0!
Minimum	0

Date (PST)	Hour Ending (PST)	Recorded Demand at Take Out (MW)
1/1/2018	1	
1/1/2018	2	
1/1/2018	3	
1/1/2018	4	
1/1/2018	5	
1/1/2018	6	
1/1/2018	7	
1/1/2018	8	
1/1/2018	9	
1/1/2018	10	
1/1/2018	11	
1/1/2018	12	
1/1/2018	13	
1/1/2018	14	
1/1/2018	15	
1/1/2018	16	
1/1/2018	17	
1/1/2018	18	
1/1/2018	19	
1/1/2018	20	
1/1/2018	21	
1/1/2018	22	
1/1/2018	23	
1/1/2018	24	
1/2/2018	1	
1/2/2018	2	
1/2/2018	3	
1/2/2018	4	
1/2/2018	5	

State of California
California Energy Commission
ELECTRICITY RESOURCE PLANNING FORMS
CEC Form S-5: Bilateral Contracts Table
Do not delete any rows or columns or change headers.
Valley Clean Energy Alliance



Revised 8/2018.

Yellow fills indicate confidentiality is being requested pursuant to Appendix A.

S-2 line	Contract Name:	Fuels	Supplier / Seller:	Unit Contingent:
6b	Unspecified			
6c	Small Hydro (YCFWCD Contract)	Small Hyrdroelectric (<30)	YCFWCD	Yes
6d	Wind (PGE 2018 PCC1 Contract)			
6e	Wind (PGE 2018 PCC2 Contract)			
6f	Shell PCC-1 (wind, solar, geothermal, and TBD)		Shell	
6g	DTE PCC-2 (solar and wind)		DTE	
6h	SDG&E PCC-1 (solar and biomass)		SDG&E	
6i	PG&E PCC-1 (wind, solar, biomass)		PG&E	
6j	Renewable DG Supply			
7b	Large Hydro (TEMU Specified Source Contract)	Large Hydroelectric (>30)	TEMU	
7c	PG&E 2018 RA			
7d	AltaGas 2018 RA			
7e	ExGen 2018 RA Sale			
7f				
7g				
7h				
7i				
7j				
7k				
7l				
7m				
7n				
7p	Non-Renewable DG Supply			

Generating Unit(s) Specified	Supply Resources(s) Balancing Area	Supply Resoucre(s) Delivery Zone/Point	Contract Start Date	Contract Expiration Date	Capacity (MW) Under Contract:	Contract / Agreement Products
Indian Valley Hydro	CAISO	NP-15	6/1/2018	5/31/2020		RECs + energy
Various	CAISO	CAISO	1/1/2019	12/31/2019		RECs + energy
Various	CAISO	CAISO Palo Verde	1/1/2019	12/31/2019		RECs + energy
Various	CAISO	SP-15	1/1/2019	12/31/2020		RECs + energy
Various	CAISO	NP-15	1/1/2019	12/31/2020		RECs + energy
Various	BPA	NP-15	1/1/2019	12/31/2019		energy only
						resource adequacy only
						resource adequacy only
						resource adequacy only
						resource adequacy only
						resource adequacy only
						resource adequacy only
						resource adequacy only
						resource adequacy only