

<b>DOCKETED</b>	
<b>Docket Number:</b>	21-IEPR-02
<b>Project Title:</b>	Electricity Resource Plans
<b>TN #:</b>	239847
<b>Document Title:</b>	Silicon Valley Clean Energy Authority, PUBLIC Electricity Resource Plan
<b>Description:</b>	Public, redacted version of REVISED Electricity Resource Plan for Silicon Valley Clean Energy Authority.
<b>Filer:</b>	Josh Stoops
<b>Organization:</b>	Braun Blaising Smith Wynne P.C.
<b>Submitter Role:</b>	Public Agency
<b>Submission Date:</b>	9/24/2021 5:16:27 PM
<b>Docketed Date:</b>	9/24/2021

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



<b>Name of Load Serving Entity ("LSE")</b>	Silicon Valley Clean Energy
<b>Name of Resource Planning Coordinator</b>	Monica Padilla

Persons who prepared Supply Forms	S-1 Requirement	S-2 Supply	S-3 Small POU Hourly Loads	S-5 Bilateral Contracts	Application for Confidentiality
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Address 2:					
City:	Folsom	Sunnyvale		Sunnyvale	Sunnyvale
State:	CA	CA		CA	CA
Zip:	95630	94087		94087	94087
Date Completed:	9/17/2021	9/17/2021		9/17/2021	9/17/2021
Date Updated by LSE:					
<b>Back-up / Additional Contact Persons for Questions about these Forms (Optional):</b>					
Name:					
Title:					
E-mail:					
Telephone:					
Address:					
Address 2:					
City:					
State:					
Zip:					

State of California  
California Energy Commission  
**ELECTRICITY RESOURCE PLANNING FORMS**  
**CEC S-1 Capacity/Energy Requirement Form**



111% 109% 102% 98% 166% 187% 186% 187% 250% 252% 254% 255%  
810 807 811 844 504 448 453 453 340 339 339 339

Silicon Valley Clean Energy

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 Procurement Requirement (MW)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
	<b>PEAK LOAD CALCULATIONS</b>	(â Actual Load â)		(Forecast Load ô )									
1	Forecast Total Peak-Hour 1-in-2 Demand	899	882										
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 (-)												
5	Adjusted Demand: End-Use Customers	899	882										
6	Coincidence Adjustment (-)	(86)	(16)										
7	Coincident Peak-Hour Demand	813	866										
8	Required Planning Reserve Margin	122	130										
9	Credit for Imports That Carry Reserves (-)												
10	Firm Sales Obligations												
11	Firm LSE Procurement Requirement	934	996										

line	Energy Procurement Requirement (GWh)	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
	<b>ENERGY DEMAND CALCULATIONS</b>	(â Actual Load â)		(Forecast Load ô )									
12	Forecast Total Energy Demand / Consumption	4,318	4,209	4,256	4,315	4,337	4,358	4,380	4,402	4,424	4,446	4,468	4,491
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 (-)												
16	Adjusted Demand: End-Use Customers	4,318	4,209	4,256	4,315	4,337	4,358	4,380	4,402	4,424	4,446	4,468	4,491
17	Firm Sales Obligations												
18	Firm LSE Procurement Requirement	4,318	4,209	4,256	4,315	4,337	4,358	4,380	4,402	4,424	4,446	4,468	4,491

line	Historic LSE Peak Load:	MW Year 2019	MW Year 2020
19	Annual Peak Load / Actual Metered Deliveries	872.5	856.0
20	Date of Peak Load for Annual Peak Deliveries	8/15/19	8/18/20
21	Hour Ending for Annual Peak Deliveries	17	17
22	Interruptible Load called on during that hour (+)		
23	Self-Generation and DG Adjustments		
24	Adjustments for Major Outages		
25	Adjusted Annual Peak Load	872.5	856.0

Lines	Notes
1,12	per Instructions: Demand figures with Transmission losses included at LAL*1.03
x	



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	2019 (Actual Capacity)	2020 (Actual Capacity)	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1a	Total Fossil Fuel Supply					0	0	0	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	0	0	0
2b																	
2c																	
3a	Total Hydroelectric Supply					0	0	0	0	0	0	0	0	0	0	0	0
3b	Hydro Supply from Plants 30 MW or more																
3c	Hydro Supply from Plants Less than 30 MW																
4a	Total Utility-Controlled Renewable Supply					0	0	0	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	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										
6b	EXLN_Energy_PCC1_CFconfirm_Apr2017-Dec2021			Not Specified	Not Specified												
6c	SENA_Energy_PCC1_CFconfirm_Apr17-Dec2021			Not Specified	Not Specified												
6d	PNX_PCC1confirm_Apr2017-Dec2021			Not Specified	Not Specified												
6e	PGandE_PCC1confirm_Jan2018-Dec2021			Not Specified	Not Specified												
6f	Powerex_PCC1confirm_Jan2019-Dec2019			Not Specified	Not Specified												
6g	SENA_PCC1confirm_Jan2019-Dec2019			Not Specified	Not Specified												
6h	MSCG_PCC1confirm_Jan2019-Dec2020			Not Specified	Not Specified												
6i	PGandE_PCC1confirm_Jan-Dec2020			Not Specified	Not Specified												
6j	SENA_PCC1confirm_Jan-2019-Dec2020			Not Specified	Not Specified												
6k	SENA_PCC1confirm_Jan-2019-Dec2020			Not Specified	Not Specified												
6l	Direct Energy_PCC1confirm_Jan-Dec2019_Green-E			Not Specified	Not Specified												
6m	Direct Energy_PCC1confirm_Jan-Dec2020			Not Specified	Not Specified												
6n	3 Phases_PCC1confirm_Jun-Dec2019_Green-E			Not Specified	Not Specified												
6o	MBCP_PCC1confirm_Jun-Dec2019			Not Specified	Not Specified												
6p	NextEra_PCC1confirm_2019 72,000MWh			Not Specified	Not Specified												
6q	SCE_PCC1confirm_Jan20-Dec21			Not Specified	Not Specified												
6r	PG&E_PCC1confirm_2020			Not Specified	Not Specified												
6s	NextEra_PCC1confirm_2020			Not Specified	Not Specified												
6t	PG&E_PCC1confirm_2021			Not Specified	Not Specified												
6u	Calpine_PCC1confirm_2021_100k MWh			Not Specified	Not Specified												
6v	PG&E_PCC1confirm_2021			Not Specified	Not Specified												
6w	PG&E_PCC1confirm_2022			Not Specified	Not Specified												
6x	Angela Solar + Storage PPA 2023-2038			None	Solar PV	0.0	0.0										
6y	Arltina Solar + Storage PPA 2023-2043			None	Solar PV	0.0	0.0										
6z	Atlas Solar_PPA 2022-2032			None	Solar PV	0.0	0.0										
6aa	Big Beau Solar_128MW Solar + 40MW Storage_Jan2021-Dec2040			None	Solar PV	0.0	0.0										
6ab	Coso Geothermal_Energyconfirm_2022-2036	60309A, 60321A, 60322A	TURBID, ARROYO, AGONA	BLM 2_UNITS,CALGEN_1_UNITS,NAVYII_2_UNITS	Geothermal	0.0	0.0										
6ac	Calpine_Energyconfirm_2021			Not Specified	Geothermal	0.0	0.0										
6ad	AES Wind PPA_2023-2042			None	Wind	0.0	0.0										
6ae	San Luis West Solar + Storage PPA 2023-2038			None	Solar PV	0.0	0.0										
6af	Ormat Binary Geothermal_30MW_Dec2021-Dec2032			None	Geothermal	0.0	0.0										
6ag	Rabbitbrush_Solar + Storage PPA 2022-2037			None	Solar PV	0.0	0.0										
6ah	RE State 1_150MW Solar + 45 MW Storage_Jun2021-Dec 2035			None	Solar PV	0.0	0.0										
6ai	Terra-Gen Wind PPA 2023-2038			None	Wind	0.0	0.0										
6aj	Victory Pass Solar + Storage PPA 2023-2038			None	Solar PV	0.0	0.0										
6ak	Yellow Pine_Solar + Storage PPA 2022-2042			None	Solar PV	0.0	0.0										
6al	Yellow Pine_Solar + Storage PPA 2022-2042			None	Solar PV	0.0	0.0										
7a	Renewable DG Supply																
7b	Total Other Bilateral Contract Supply					846.8	876.7										
7c	EXLN_Energy_PCC1_CFconfirm_Apr2017-Dec2021			Not Specified	Large Hydroelectric (>30)												
7d	SENA_Energy_PCC1_CFconfirm_Apr17-Dec2021			Not Specified	Large Hydroelectric (>30)												
7e	MSCG_CFconfirm_Jan2017-Dec2021			Not Specified	Large Hydroelectric (>30)												
7f	MSCG_CFconfirm_May2018-Dec2021			Not Specified	Large Hydroelectric (>30)												
7g	SENA_CFconfirm_Jan2019-Dec2023			Not Specified	Large Hydroelectric (>30)												
7h	MBCP_CFconfirm_Jun-Dec2019			Not Specified	Large Hydroelectric (>30)												
7i	Lancaster_CFconfirm_Jan-Dec2019			Not Specified	Large Hydroelectric (>30)												
7j	Powerex_ACSconfirm_Jan-Dec2019			Not Specified	Large Hydroelectric (>30)												
7k	CPA_CFconfirm_Dec2019			Not Specified	Large Hydroelectric (>30)												
7l	BPA_ACSconfirm_2020			Not Specified	Large Hydroelectric (>30)												
7m	Powerex_ACSconfirm_2020			Not Specified	Large Hydroelectric (>30)												
7n	Avangrid_CFconfirm_2021 150000 MWh			Not Specified	Large Hydroelectric (>30)												
7o	PG&E_CF_Allocation_2020			Not Specified	Large Hydroelectric (>30)												
7p	Powerex_CFconfirm_May-Oct2021			Not Specified	Large Hydroelectric (>30)												
7q	Powerex_CFconfirm_Jun-Sep2021			Not Specified	Large Hydroelectric (>30)												
7r	MSCG_CFconfirm_2021 part of 204RA190			Not Specified	Large Hydroelectric (>30)												
7s	BPA_CFconfirm_Jun-Sep2021			Not Specified	Large Hydroelectric (>30)												
7t	PG&E_CFconfirm_2021 Allocation			Not Specified	Large Hydroelectric (>30)												
7u	MSCG_CFconfirm_Apr-21			Not Specified	Large Hydroelectric (>30)												
7v	WAPA_Energy-CFconfirm_2026-2064			Not Specified	Large Hydroelectric (>30)												
7w	MSCG_Energy_Cfconfirm_2022-2024			Not Specified	Large Hydroelectric (>30)												
7x	EXLN_Energy_PCC1_CFconfirm_Apr2017-Dec2021			System	Other												
7y	SENA_Energy_PCC1_CFconfirm_Apr17-Dec2021			System	Other												
7z	Exelon_Energyconfirm_Jan2019-Dec2019_Block			System	Other												
7aa	EnergyAmerica_Energyconfirm_Mar2019-Sep2019			System	Other												
7ab	SENA_Energyconfirm_Jun2019-Dec2019			System	Other												
7ac	Direct Energy_Energyconfirm_Apr-Sep2019			System	Other												
7ad	SENA_Energyconfirm_Jan-Dec2021_Block			System	Other												
7ae	MSCG_Energyconfirm_Jan-Dec2020_Block			System	Other												
7af	SENA_Energyconfirm_Jan-Dec2021			System	Other												
7ag	Transalta_Energyconfirm_Jan-Dec2020_Block			System	Other												
7ah	NextEra_Energyconfirm_Nov2019-Sep2020_Block			System	Other												
7ai	MSCG_Energyconfirm_Oct-Dec2020_Block			System	Other												
7aj	MSCG_Energyconfirm_Jan-Dec2021_Block			System	Other												
7ak	SENA_Energyconfirm_Jul-Dec2023_Block			System	Other												
7al	MSCG_Energyconfirm_Jan-Jun2022_Block			System	Other												
7am	SENA_Energyconfirm_Mar-Dec20			System	Other												
7an	NextEra_Energyconfirm_2021-2022			System	Other												
7ap	SENA_Energyconfirm_2021			System	Other												
7aq	MSCG_Energyconfirm_Jan-Jun2021			System	Other												
7ar	TransAlta_Energyconfirm_Jul-Sep2021_Peak Hr			System	Other												
7as	BP_Energyconfirm_Jan-Dec2023			System	Other												
7at	Exelon_Energyconfirm_Jul-Dec2021			System	Other												
7au	Direct Energy_Energyconfirm_Feb-Dec2021			System	Other												
7av	Malaga_RAconfirm_PGEOtherFlex_Jan-Dec2019			System	Not Specified	18.0	0.0										
7aw	CalPeak_RAconfirm_PGEOtherFlex_Jan2019-Dec2020			System	Not Specified	0.0	12.0										
7ax	CalPeak_RAconfirm_PGEOtherFlex_Jan2019-Dec2020			System	Not Specified	11.0	0.0										
7ay	Calpine_RAconfirm_66MWBayAreaFlex_Jan2019-Dec2023			System	Not Specified	66.0	66.0										
7az	Calpine_RAconfirm_66MWBayAreaFlex_Jan2019-Dec2020			System	Not Specified	0.0	0.0										
7ba	Calpine_RAconfirm_34MWBayArea_Jan2019-Dec2023			System	Not Specified	34.0	34.0										
7bb	Calpine_RAconfirm_34MWBayArea_Jan2019-Dec2023			System	Not Specified	0.0	0.0										
7bc	Tenaska_RAconfirm_PGEOther_Jan2019-Dec2020			System	Not Specified	21.0	0.0										
7bd	Tenaska_RAconfirm_PGEOther_Jan2019-Dec2020			System	Not Specified	0.0	21.0										
7be	Tenaska_RAconfirm_PGEOtherFlex_Jan2019-Dec2020			System	Not Specified	16.0	0.0										
7bf	Tenaska_RAconfirm_PGEOtherFlex_Jan2019-Dec2020			System	Not Specified	0.0	16.0										

[illegible]

Lines	Notes
x	
x	

[illegible]

State of California  
California Energy Commission  
**ELECTRICITY RESOURCE PLANNING FORMS**  
**CEC Form S-3: 2020 SMALL POU HOURLY LOADS**



Silicon Valley Clean Energy

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 2020, in megawatts, for each hour of each day.

Add rows to report all 8,760 hours in 2020.

Begin with the hour that ended at 1 a.m. on January 1, 2020.

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)
1/1/2020	1	
1/1/2020	2	
1/1/2020	3	
1/1/2020	4	
1/1/2020	5	
1/1/2020	6	
1/1/2020	7	
1/1/2020	8	
1/1/2020	9	
1/1/2020	10	
1/1/2020	11	
1/1/2020	12	
1/1/2020	13	
1/1/2020	14	
1/1/2020	15	
1/1/2020	16	
1/1/2020	17	
1/1/2020	18	
1/1/2020	19	
1/1/2020	20	
1/1/2020	21	
1/1/2020	22	
1/1/2020	23	
1/1/2020	24	



Yellow file icons indicate confidentiality is being requested pursuant to Appendix A.

	Contract Name:	Fuels	Supplier / Seller:	Unit Contingent:	Generating Unit(s) Specified	Supply Resource(s) Balancing Area	Supply Resource(s) Delivery Zone/Point	Contract Start Date	Contract Expiration Date	Capacity (MW) Under Contract	Contract / Agreement Products	Contract Type	Notes (1):	Notes (2):
6b	ENLN_Energy_PCC1_Cf_Confirm_Apr2017-Dec2021	Not Specified	Exelon Generation Company, LLC	Portfolio	Seller's portfolio	CAISO	CAISO	4/1/2017	12/31/2021		Environment Products PCC1 (Renewable Carbon Free)	Available Energy		
6c	SENA_Energy_PCC1_Cf_Confirm_Apr17-Dec2021	Not Specified	Shell Energy North America (US), L.P.	Portfolio	Seller's portfolio	CAISO	CAISO	4/1/2017	12/31/2021		Environment Products PCC1 (Renewable Carbon Free)	Available Energy		
6d	PWX_PCC1confirm_Apr2017-Dec2021	Not Specified	Powertex Corp.	Portfolio	Seller's portfolio	CAISO	CAISO	4/1/2017	12/31/2021		Environment Products PCC1 (Renewable Carbon Free)	Available Energy		
6e	PXandE_PCC1confirm_Jan2018-Dec2021	Not Specified	Pacific Gas & Electric Company	Portfolio	Seller's portfolio	CAISO	CAISO	6/1/2018	12/31/2021		Environment Products PCC1 (Renewable Carbon Free)	Available Energy		
6f	Powertex_PCC1confirm_Jan2019-Dec2019	Not Specified	Powertex Corp.	Portfolio	Seller's portfolio	CAISO	CAISO	1/1/2019	12/31/2019		Environment Products PCC1 (Renewable Carbon Free)	Available Energy		
6g	SENA_PCC1confirm_Jan2019-Dec2019	Not Specified	Shell Energy North America (US), L.P.	Portfolio	Seller's portfolio	CAISO	CAISO	1/1/2019	12/31/2019		Environment Products PCC1 (Renewable Carbon Free)	Available Energy		
6h	MSCG_PCC1confirm_Jan2019-Dec2020	Not Specified	Morgan Stanley Capital Group	Portfolio	Seller's portfolio	CAISO	CAISO	1/6/2019	12/31/2020		Environment Products PCC1 (Renewable Carbon Free)	Available Energy		
6i	PXandE_PCC1confirm_Jan-Dec2020	Not Specified	Pacific Gas & Electric Company	Portfolio	Seller's portfolio	CAISO	CAISO	1/1/2020	12/31/2020		Environment Products PCC1 (Renewable Carbon Free)	Available Energy		
6j	SENA_PCC1confirm_Jan-2019-Dec2020	Not Specified	Shell Energy North America (US), L.P.	Portfolio	Seller's portfolio	CAISO	CAISO	6/1/2019	12/31/2020		Environment Products PCC1 (Renewable Carbon Free)	Available Energy		
6k	SENA_PCC1confirm_Jan-2019-Dec2020	Not Specified	Shell Energy North America (US), L.P.	Portfolio	Seller's portfolio	CAISO	CAISO	6/1/2019	12/31/2020		Environment Products PCC1 (Renewable Carbon Free)	Available Energy		
6l	Direct Energy_PCC1confirm_Jan-Dec2019_Green-E	Not Specified	Direct Energy Business Marketing, LLC	Portfolio	Seller's portfolio	CAISO	CAISO	6/1/2019	12/31/2019		Environment Products PCC1 (Renewable Carbon Free)	Available Energy		
6m	Direct Energy_PCC1confirm_Jan-Dec2020	Not Specified	Direct Energy Business Marketing, LLC	Portfolio	Seller's portfolio	CAISO	CAISO	1/1/2020	12/31/2020		Environment Products PCC1 (Renewable Carbon Free)	Available Energy		
6n	3 Phases_PCC1confirm_Jun-Dec2019_Green-E	Not Specified	3 Phases Renewables Inc.	Portfolio	Seller's portfolio	CAISO	CAISO	6/1/2019	12/31/2019		Environment Products PCC1 (Renewable Carbon Free)	Available Energy		
6o	MBCP_PCC1confirm_Jun-Dec2019	Not Specified	Monterey Bay Community Power Authority	Portfolio	Seller's portfolio	CAISO	CAISO	6/1/2019	12/31/2019		Environment Products PCC1 (Renewable Carbon Free)	Available Energy		
6p	NextEra_PCC1confirm_2019_72.000MWh	Not Specified	NextEra Energy Marketing, LLC	Portfolio	Seller's portfolio	CAISO	CAISO	1/1/2019	12/31/2019		Environment Products PCC1 (Renewable Carbon Free)	Available Energy		
6q	SCC_PCC1confirm_Jan20-Dec21	Not Specified	Southern California Edison Company	Portfolio	Seller's portfolio	CAISO	CAISO	1/1/2020	12/31/2021		Environment Products PCC1 (Renewable Carbon Free)	Available Energy		
6r	PG&E_PCC1confirm_2020	Not Specified	Pacific Gas & Electric Company	Portfolio	Seller's portfolio	CAISO	CAISO	2/8/2020	12/31/2020		Environment Products PCC1 (Renewable Carbon Free)	Available Energy		
6s	NextEra_PCC1confirm_2020	Not Specified	NextEra Energy Marketing, LLC	Portfolio	Seller's portfolio	CAISO	CAISO	1/30/2020	12/31/2020		Environment Products PCC1 (Renewable Carbon Free)	Available Energy		
6t	PG&E_PCC1confirm_2021	Not Specified	Pacific Gas & Electric Company	Portfolio	Seller's portfolio	CAISO	CAISO	1/1/2021	12/31/2021		Environment Products PCC1 (Renewable Carbon Free)	Available Energy		
6u	Calpine_PCC1confirm_2021_100k_MWh	Not Specified	Calpine Energy Services, L.P.	Portfolio	Seller's portfolio	CAISO	CAISO	1/1/2021	12/31/2021		Environment Products PCC1 (Renewable Carbon Free)	Available Energy		
6v	PG&E_PCC1confirm_2021	Not Specified	Pacific Gas & Electric Company	Portfolio	Seller's portfolio	CAISO	CAISO	1/1/2021	12/31/2021		Environment Products PCC1 (Renewable Carbon Free)	Available Energy		
6w	PG&E_PCC1confirm_2022	Not Specified	Pacific Gas & Electric Company	Portfolio	Seller's portfolio	CAISO	CAISO	1/1/2022	12/31/2022		Environment Products PCC1 (Renewable Carbon Free)	Available Energy		
6x	Angela Solar + Storage PPA 2023-2038	Solar	Angela East, LLC	None	None	CAISO	CAISO	3/31/2023	3/30/2038		Renewable Energy Supply PCC1 (Renewable Carbon Free)	Available Energy, RPS, RA Assumes projects are attributed same monthly NQC profile as 2021 NQCs assigned by CAISO to existing solar projects. Projects also have storage capacity. SVCE is waiting for clarity on how storage capacity will be counted and is not including it here.	Solar + Storage	
6y	Aratuna Solar + Storage PPA 2023-2043	Solar	911MC Brea, LLC	None	None	CAISO	CAISO	6/30/2023	6/29/2043		Renewable Energy Supply PCC1 (Renewable Carbon Free)	Available Energy, RPS, RA Assumes projects are attributed same monthly NQC profile as 2021 NQCs assigned by CAISO to existing solar projects. Projects also have storage capacity. SVCE is waiting for clarity on how storage capacity will be counted and is not including it here.	Solar + Storage	
6z	Atlas Solar PPA 2022-2032	Solar	Atlas Solar II, LLC	None	None	CAISO	CAISO	12/31/2022	12/30/2032		Renewable Energy Supply PCC1 (Renewable Carbon Free)	Available Energy, RPS, RA Assumes projects are attributed same monthly NQC profile as 2021 NQCs assigned by CAISO to existing solar projects. Projects also have storage capacity. SVCE is waiting for clarity on how storage capacity will be counted and is not including it here.	Solar + Storage	
6aa	Big Bear Solar 128MW Solar + 40MW Storage_Jan2021-Dec2040	Solar	EDF Renewable Development, Inc	None	None	CAISO	CAISO	12/31/2021	12/30/2041		Renewable Energy Supply PCC1 (Renewable Carbon Free)	Available Energy, RPS, RA Assumes projects are attributed same monthly NQC profile as 2021 NQCs assigned by CAISO to existing solar projects. Projects also have storage capacity. SVCE is waiting for clarity on how storage capacity will be counted and is not including it here.	Solar + Storage	
6ab	Coso Geothermal_Energyconfirm_2022-2036	Geothermal	Coso Geothermal Power Holdings	60309A, 60321A, 60322A	BUM_UNITS:LDAGEN_1_UNITS:	CAISO	CAISO	1/1/2022	12/31/2036		Renewable Energy Supply PCC1 (Renewable Carbon Free)	Available Energy, RPS, RA Assumes projects are attributed same monthly NQC profile as 2021 NQCs assigned by CAISO to existing solar projects. Projects also have storage capacity. SVCE is waiting for clarity on how storage capacity will be counted and is not including it here.	Geothermal	valued annual delivery
6ac	Calpine_Energyconfirm_2021	Geothermal	Calpine Energy Services, L.P.	None	None	CAISO	CAISO	1/1/2021	12/31/2021		Renewable Energy Supply PCC1 (Renewable Carbon Free)	Available Energy, RPS, RA Assumes projects are attributed same monthly NQC profile as 2021 NQCs assigned by CAISO to existing solar projects. Projects also have storage capacity. SVCE is waiting for clarity on how storage capacity will be counted and is not including it here.	Geothermal	
6ad	AES Wind PPA 2023-2042	Wind	AES North America Development, LLC	None	None	CAISO	CAISO	11/1/2023	11/30/2042		Renewable Energy Supply PCC1 (Renewable Carbon Free)	Available Energy, RPS, RA Assumes projects are attributed same monthly NQC profile as 2021 NQCs assigned by CAISO to existing solar projects. Projects also have storage capacity. SVCE is waiting for clarity on how storage capacity will be counted and is not including it here.	Wind	
6ae	San Luis West Solar + Storage PPA 2023-2038	Solar	San Luis West Solar	None	None	CAISO	CAISO	12/1/2023	11/30/2038		Renewable Energy Supply PCC1 (Renewable Carbon Free)	Available Energy, RPS, RA Assumes projects are attributed same monthly NQC profile as 2021 NQCs assigned by CAISO to existing solar projects. Projects also have storage capacity. SVCE is waiting for clarity on how storage capacity will be counted and is not including it here.	Solar + Storage	
6af	Ormat Binary Geothermal_30MW_Dec2021-Dec2032	Geothermal	Ormat	None	None	CAISO	CAISO	12/31/2021	12/31/2031		Renewable Energy Supply PCC1 (Renewable Carbon Free)	Available Energy, RPS, RA Assumes projects are attributed same monthly NQC profile as 2021 NQCs assigned by CAISO to existing solar projects. Projects also have storage capacity. SVCE is waiting for clarity on how storage capacity will be counted and is not including it here.	Solar + Storage	
6ag	Rabbitbrush Solar + Storage PPA 2022-2037	Solar	Rabbitbrush Solar, LLC	None	None	CAISO	CAISO	6/30/2022	6/29/2037		Renewable Energy Supply PCC1 (Renewable Carbon Free)	Available Energy, RPS, RA Assumes projects are attributed same monthly NQC profile as 2021 NQCs assigned by CAISO to existing solar projects. Projects also have storage capacity. SVCE is waiting for clarity on how storage capacity will be counted and is not including it here.	Solar + Storage	
6ah	RE Site 1_150MW Solar + 45 MW Storage_Jun2021-Dec_2035	Solar	Recurrent Energy Development Holdings, LLC	None	None	CAISO	CAISO	1/1/2021	11/29/2035		Renewable Energy Supply PCC1 (Renewable Carbon Free)	Available Energy, RPS, RA Assumes projects are attributed same monthly NQC profile as 2021 NQCs assigned by CAISO to existing solar projects. Projects also have storage capacity. SVCE is waiting for clarity on how storage capacity will be counted and is not including it here.	Solar + Storage	
6ai	Terra-Gen Wind PPA 2023-2038	Wind	TGP Energy Management, LLC	None	None	CAISO	CAISO	1/1/2023	12/31/2037		Renewable Energy Supply PCC1 (Renewable Carbon Free)	Available Energy, RPS, RA Assumes projects are attributed same monthly NQC profile as 2021 NQCs assigned by CAISO to existing solar projects. Projects also have storage capacity. SVCE is waiting for clarity on how storage capacity will be counted and is not including it here.	Wind	
6aj	Victory Pass Solar + Storage PPA 2023-2038	Solar	Victory Pass I, LLC	None	None	CAISO	CAISO	9/30/2023	9/29/2038		Renewable Energy Supply PCC1 (Renewable Carbon Free)	Available Energy, RPS, RA Assumes projects are attributed same monthly NQC profile as 2021 NQCs assigned by CAISO to existing solar projects. Projects also have storage capacity. SVCE is waiting for clarity on how storage capacity will be counted and is not including it here.	Wind	
6ak	Yellow Pine Solar + Storage PPA 2022-2042	Solar	Yellow Pine Energy Center I, LLC	None	None	CAISO	CAISO	12/1/2022	11/30/2042		Renewable Energy Supply PCC1 (Renewable Carbon Free)	Available Energy, RPS, RA Assumes projects are attributed same monthly NQC profile as 2021 NQCs assigned by CAISO to existing solar projects. Projects also have storage capacity. SVCE is waiting for clarity on how storage capacity will be counted and is not including it here.	Solar + Storage	
7a	ENLN_Energy_PCC1_Cf_Confirm_Apr2017-Dec2021	Large Hydroelectric (>30)	Exelon Generation Company, LLC	Portfolio	Seller's portfolio	CAISO	CAISO	4/1/2017	12/31/2021		Non-Renewable Carbon Free	Available Energy		
7b	SENA_Energy_PCC1_Cf_Confirm_Apr17-Dec2021	Large Hydroelectric (>30)	Shell Energy North America (US), L.P.	Portfolio	Seller's portfolio	CAISO	CAISO	4/1/2017	12/31/2021		Non-Renewable Carbon Free	Available Energy		
7c	MSCG_Cf_Confirm_Jan2017-Dec2021	Large Hydroelectric (>30)	Morgan Stanley Capital Group	Portfolio	Seller's portfolio	CAISO	CAISO	1/1/2017	12/31/2021		Non-Renewable Carbon Free	Available Energy		
7d	MSCG_Cf_Confirm_May2018-Dec2021	Large Hydroelectric (>30)	Morgan Stanley Capital Group	Portfolio	Seller's portfolio	CAISO	CAISO	5/1/2018	12/31/2021		Non-Renewable Carbon Free	Available Energy		
7e	SENA_Cf_Confirm_Jan2019-Dec2023	Large Hydroelectric (>30)	Shell Energy North America (US), L.P.	Portfolio	Seller's portfolio	CAISO	CAISO	1/1/2019	12/31/2023		Non-Renewable Carbon Free	Available Energy		
7f	SENA_Cf_Confirm_May-Dec2019	Large Hydroelectric (>30)	Shell Energy North America (US), L.P.	Portfolio	Seller's portfolio	CAISO	CAISO	5/1/2019	12/31/2019		Non-Renewable Carbon Free	Available Energy		
7g	MBCP_Cf_Confirm_Jun-Dec2019	Large Hydroelectric (>30)	Monterey Bay Community Power Authority	Portfolio	Seller's portfolio	CAISO	CAISO	6/1/2019	12/31/2019		Non-Renewable Carbon Free	Available Energy		
7h	Lancaster_Cf_Confirm_Jan-Dec2019	Large Hydroelectric (>30)	City of Lancaster	Portfolio	Seller's portfolio	CAISO	CAISO	1/1/2019	12/31/2019		Non-Renewable Carbon Free	Available Energy		
7i	Powertex_AC_Confirm_Jan-Dec2019	Large Hydroelectric (>30)	Powertex Corp.	Portfolio	Seller's portfolio	CAISO	CAISO	1/1/2019	12/31/2019		Non-Renewable Carbon Free	Available Energy		
7j	CPA_Cf_Confirm_Dec2019	Large Hydroelectric (>30)	Clean Power Alliance	Portfolio</										

