DOCKETED	
Docket Number:	22-IEPR-03
Project Title:	Electricity Forecast
TN #:	246349
Document Title:	City of Santa Clara dba Silicon Valley Power IEPR Supply Form
Description:	***This document supersedes TN 245923***
Filer:	System
Organization:	Monica Nguyen
Submitter Role:	Applicant
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Comment Received From: Monica Nguyen
Submitted On: 10/5/2022
Docket Number: 22-IEPR-03

City of Santa Clara dba Silicon Valley Power IEPR Supply Form

This will supersede the past submittal TN#245923.

Additional submitted attachment is included below.

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

Name of Load Serving Entity ("LSE")	City of Santa Clara dba Silicon Valley Power
Name of Resource Planning Coordinator	Monica Nguyen

Persons who prepared Supply Forms	**S-1 Requirement**	**S-2 Supply**	**S-2 Addendum**	**S-3 Small POU Hourly Loads**	**S-5 Bilateral Contracts**	**Application for Confidentiality**
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Date Completed:	8/26/2022	8/26/2022				
Date Updated by LSE:						
Back-up / Additional Contact Persons for Questions about these Forms (Optional):						
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State of California
California Energy Commission
ELECTRICITY RESOURCE PLANNING FORMS
CEC S-1 Capacity/Energy Requirement Form

City of Santa Clara dba Silicon Valley Power

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)	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
	PEAK LOAD CALCULATIONS	(Actual Load)	(Actual Load)	(Forecast Load ->)									
1	Forecast Total Peak-Hour 1-in-2 Demand	586	592	683	657	705	782	848	911	967	1,011	1,053	1,096
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 (-)	(8)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)
5	Adjusted Demand: End-Use Customers	**578**	**582**	**673**	**647**	**695**	**772**	**838**	**901**	**957**	**1,001**	**1,043**	**1,086**
6	Coincidence Adjustment (-)												
7	Coincident Peak-Hour Demand	**578**	**582**	**673**	**647**	**695**	**772**	**838**	**901**	**957**	**1,001**	**1,043**	**1,086**
8	Required Planning Reserve Margin	**87**	**87**	**101**	**97**	**104**	**116**	**126**	**135**	**144**	**150**	**156**	**163**
9	Credit for Imports That Carry Reserves (-)												
10	Firm Sales Obligations												
11	Firm LSE Procurement Requirement	**665**	**669**	**774**	**744**	**799**	**887**	**964**	**1,036**	**1,100**	**1,151**	**1,200**	**1,249**

line	**Energy Procurement Requirement (GWh)**												
	ENERGY DEMAND CALCULATIONS	(Actual Load)	(Actual Load)	(Forecast Load ->)									
12	Forecast Total Energy Demand / Consumption	3,851	4,134	4,382	4,905	5,392	5,931	6,525	6,925	7,065	7,157	7,276	7,395
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	**3,851**	**4,134**	**4,382**	**4,905**	**5,392**	**5,931**	**6,525**	**6,925**	**7,065**	**7,157**	**7,276**	**7,395**
17	Firm Sales Obligations												
18	Firm LSE Procurement Requirement	**3,851**	**4,134**	**4,382**	**4,905**	**5,392**	**5,931**	**6,525**	**6,925**	**7,065**	**7,157**	**7,276**	**7,395**

line	**Historic LSE Peak Load:**	**MW Year 2020**	**MW Year 2021**
19	Annual Peak Load / Actual Metered Deliveries	586.3	592.0
20	Date of Peak Load for Annual Peak Deliveries	8/14/20	8/27/21
21	Hour Ending for Annual Peak Deliveries	17	15
22	Interruptible Load called on during that hour (+)	8.0	10.0
23	Self-Generation and DG Adjustments		
24	Adjustments for Major Outages		
25	Adjusted Annual Peak Load	**594.3**	**602.0**

Lines	**Notes**
x	
x	

State of California
California Energy Commission
ELECTRICITY RESOURCE PLANNING FORMS
CEC Form S-2: Capacity/Energy Supply Resources Form
City of Santa Clara dba Silicon Valley Power

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-	Plant/Unit Identifier-CAISO ID	Fuel Type	Nameplate Capacity	BA	Latitude	Longitude	Storage Duration Hours	Monthly Data	Incremental Capacity Addition	2020 (Actual Capacity)	2021 (Actual Capacity)	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
1a	**Total Fossil Fuel Supply**												**304.87**	**304.87**	**304.87**	**304.87**	**298.87**	**298.87**	**298.87**	**298.87**	**298.87**	**298.87**	**298.87**	**298.87**
1b	Don Von Raesfeld (DVR) Power Plant	G0169	56026	DUANE_1_PL1X3	Natural Gas	147.8	CAISO				Check	Check	143.50	143.50	143.50	143.50	143.50	143.50	143.50	143.50	143.50	143.50	143.50	143.50
	Santa Clara Cogen	G0114	7232	CSCCOG_1_UNIT 1	Natural Gas	7.0	CAISO				Check	Check	6.00	6.00	6.00	6.00	0	0	0	0	0	0	0	0
	Gianera Unit 1	G0228	7231	CSCGNR_1_UNIT 1	Natural Gas	24.75	CAISO				Check	Check	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
	Gianera Unit 2	G0228	7231	CSCGNR_1_UNIT 2	Natural Gas	24.75	CAISO				Check	Check	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
	Lodi Energy Center	G1009	57978	LODIEC_2_PL1X2	Natural Gas	77.91	CAISO				Check	Check	77.91	77.91	77.91	77.91	77.91	77.91	77.91	77.91	77.91	77.91	77.91	77.91
	Lodi Gas Turbine	G0380	7451	LODI25_2_UNIT 1	Natural Gas	10.43	CAISO				Check	Check	9.92	9.92	9.92	9.92	9.92	9.92	9.92	9.92	9.92	9.92	9.92	9.92
	Alameda Unit 1	G0379	7450	ALMEGT_1_UNIT 1	Natural Gas	10.43	CAISO				Check	Check	9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75	9.75
	Alameda Unit 2	G0379	7450	ALMEGT_1_UNIT 2	Natural Gas	10.43	CAISO				Check	Check	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79
1c											Check	Check												
1d											Check	Check												
2a	**Total Nuclear Supply**												**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
2b											Check	Check												
2c											Check	Check												
3a	**Total Hydroelectric Supply**												**219.44**	**282.03**	**305.22**	**295.07**	**223.07**	**223.07**	**223.07**	**223.07**	**223.07**	**223.07**	**223.07**	**223.07**
3b	Hydro Supply from Plants 30 MW or more																							
	WAPA Base Resource			NCPA_TRCYPGAE_I_F_M	Large		BANC				Check	Check	56.05	56.05	79.24	69.09	69.09	69.09	69.09	69.09	69.09	69.09	69.09	69.09
	Collierville Hydro	H0107	54555	COLVIL_7_PL1X2	Large	91.4	CAISO				Check	Check	91.39	91.39	91.39	91.39	91.39	91.39	91.39	91.39	91.39	91.39	91.39	91.39
	Donnells Hydro	H0145	415	DONNLS_7_UNIT	Large	72.0	CAISO				Check	Check	72.00	72.00	72.00	72.00								
	Forbestown Powerhouse	H0191	417	FORBST_7_UNIT 1	Large	24.07	CAISO				Check	Check	0	24.07	24.07	24.07	24.07	24.07	24.07	24.07	24.07	24.07	24.07	24.07
	Woodleaf Powerhouse	H0573	419	WDLEAF_7_UNIT 1	Large	38.52	CAISO				Check	Check	0	38.52	38.52	38.52	38.52	38.52	38.52	38.52	38.52	38.52	38.52	38.52
3c	Hydro Supply from Plants Less than 30 MW																							
	Stoney Gorge Hydro	H0500	7151	ELKCRK_6_STONYG	Small	4.9	CAISO				Check	Check	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
	Black Butte Hydro	H0046	7229	BLCKBT_2_STONEY	Small	6.2	CAISO				Check	Check	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
	High Line Hydro	H0235	7224	ORLND_6_HIGHLI	Small	0.5	CAISO				Check	Check	0.12											
	Grizzly Hydro	H0213	7338	GRIZLY_1_UNIT 1	Small	17.7	CAISO				Check	Check	0	0	0	17.60	17.60	17.60	17.60	17.60	17.60	17.60	17.60	17.60
	Spicer Hydro	H0356	54554	SPICER_1_UNITS	Small	2.22	CAISO				Check	Check	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22
	Friant Hydro	H0198	50393	FRIANT_6_UNITS	Small	25.0	CAISO				Check	Check	8.34	8.34	8.34	6.54	6.54	6.54	6.54	6.54	6.54	6.54	6.54	6.54
	Quinten Luallen	H0626		WOODWR_1_HYDRO	Small	7.3	CAISO				Check	Check	0	0	0	0	0	0	0	0	0	0	0	0
	Sandbar Hydro	H0519	50400	SNDBAR_7_UNIT 1	Small	16.2	CAISO				Check	Check	10.28	10.28	10.28	5.10	0	0	0	0	0	0	0	0
	Beardsley Hydro	H0022	414	BEARDS_7_UNIT 1	Small	11.5	CAISO				Check	Check	6.46	6.46	6.46	0.80	0	0	0	0	0	0	0	0
	Tulloch Hydro	H0527	416	TULLCK_7_UNITS	Small	25.9	CAISO				Check	Check	12.66	12.66	12.66	14.14	0	0	0	0	0	0	0	0
	Rio Bravo	H0367	50037	RIOBRV_6_UNIT 1	Small	14.0	CAISO				Check	Check	3.39	3.39	3.39	2.90	2.90	0	0	0	0	0	0	0
	Kelly Ridge	H0263	418	KELYRG_6_UNIT	Small	7.06	CAISO				Check	Check	0	7.06	7.06	7.06	7.06	7.06	7.06	7.06	7.06	7.06	7.06	7.06
	Sly Creek	H0484	776	SLYCRK_1_UNIT 1	Small	8.35	CAISO				Check	Check	0	8.35	8.35	8.35	8.35	8.35	8.35	8.35	8.35	8.35	8.35	8.35
	Camp Far West Hydro	H0083	531	CAMPFW_7_FARWST	Small	6.8	CAISO				Check	Check	0	0	3.70	0	0	0	0	0	0	0	0	0
4a	**Total Utility-Controlled Renewable Supply**												**102**	**108**	**117**	**113**	**113**	**103**	**103**	**103**	**103**	**103**	**103**	**103**
4b	Ameresco Forward	E0252	58437	WEBER_6_FORWRD	Biofuels	4.2	CAISO				Check	Check	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20
	Ameresco Vasco	E0071	58435	CAYTNO_2_VASCO	Biofuels	4.3	CAISO				Check	Check	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
	G2 Energy	E0237	57133	WHEATL_6_LNDFIL	Biofuels	1.6	CAISO				Check	Check	1.60	1.60	1.60	1.60	1.60							
	NCPA Geothermal Plant 1 Unit 1	T0039	7368	NCPA_7_GP1UN1	Geothermal	17.24	CAISO				Check	Check	13.76	13.76	13.76	13.76	13.76	13.76	13.76	13.76	13.76	13.76	13.76	13.76
	NCPA Geothermal Plant 1 Unit 2	T0039	7368	NCPA_7_GP1UN2	Geothermal	17.73	CAISO				Check	Check	12.43	12.43	12.43	12.43	12.43	12.43	12.43	12.43	12.43	12.43	12.43	12.43
	NCPA Geothermal Plant 2 Unit 4	T0040	7369	NCPA_7_GP2UN4	Geothermal	23.41	CAISO				Check	Check	19.09	19.09	19.09	19.09	19.09	19.09	19.09	19.09	19.09	19.09	19.09	19.09
	Big Horn 1		56361	NCPA_TRCYCOTP_I_F_C	On-Shore Wind	105.0	BPAT				Check	Check	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00
	Big Horn 2		57319	NCPA_TRCYCOTP_I_F_C	On-Shore Wind	17.0	BPAT				Check	Check	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80
	Manzana Wind	W0420	57484	MANZNA_2_WIND	On-Shore Wind	50.0	CAISO				Check	Check	7.51	7.51	7.51	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62
	Rosamond One	S0288	58498	RSMSLR_6_SOLAR1	Solar PV	20.0	CAISO				Check	Check	2.80	2.80	2.80	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22
	Central 40 Solar		63940	CENT40_1_C40SR1	Solar PV	40.0	CAISO				Check	Check	0	5.60	5.60	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44	4.44
	Aquamarine	S0721	62547	AQUAWS_2_AQWSR1	Solar PV	75.0	CAISO				Check	Check	0	0	8.78	8.33	8.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	HYBRID RESOURCE																							
4c	Solar										Check	Check												
	Battery										Check	Check												
4d	Sand Hill A (Planned Contract)				On-Shore Wind	13.0	CAISO				Check	Check	0	0	0	0	0	0	2.82	2.82	2.82	2.82	2.82	2.82
	Sand Hill B (Planned Contract)				On-Shore Wind	17.5	CAISO				Check	Check	0	0	0	0	0	0	3.80	3.80	3.80	3.80	3.80	3.80
	Rooney Ranch (Planned Contract)				On-Shore Wind	19.0	CAISO				Check	Check	0	0	0	0	0	0	4.13	4.13	4.13	4.13	4.13	4.13
	Wind Project (Planned Contract)				On-Shore Wind	300.0	CAISO				Check	Check	0	0	0	0	0	0	0	0	0	0	0	0
5a	**Total Qualifying Facility (QF) Contract Supply**												**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
5b	Biofuels										Check	Check												
5c	Geothermal										Check	Check												
5d	Small Hydro										Check	Check												
5e	Solar										Check	Check												
5f	Wind										Check	Check												
5g	Natural Gas										Check	Check												
5h	Other										Check	Check												
6a	**Total Renewable Contract Supply**												**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
6b											Check	Check												
6c											Check	Check												
6d											Check	Check												
6e	Renewable DG Supply										Check	Check												
7a	**Total Other Bilateral Contract Supply**												**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
7b											Check	Check												
7c											Check	Check												
7d											Check	Check												
7e											Check Check	Check Check												
7g	**Running Total of Unbundled RECs (GWh in Energy Table only)**												**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
7h											Check	Check												
8	Short-Term and Spot Market Purchases (and Sales)																							
											Check	Check												
	CAPACITY/ENERGY BALANCE SUMMARY																							
9	**Total: Existing and Planned Supply**												**627**	**695**	**727**	**713**	**635**	**625**	**625**	**625**	**625**	**625**	**625**	**625**
10	**Firm LSE Procurement Requirement**												**665**	**669**	**774**	**744**	**799**	**887**	**964**	**1.036**	**1.100**	**1.151**	**1.200**	**1.249**
11	**Net Surplus (or Need)**												**(38)**	**26**	**(47)**	**(31)**	**(164)**	**(263)**	**(339)**	**(411)**	**(476)**	**(526)**	**(575)**	**(624)**
12	Generic Renewable Supply																							
13	Generic Non-Renewable Resources																							
14	Specified Planning Reserve Margin																							

Lines	Notes
x	
x	

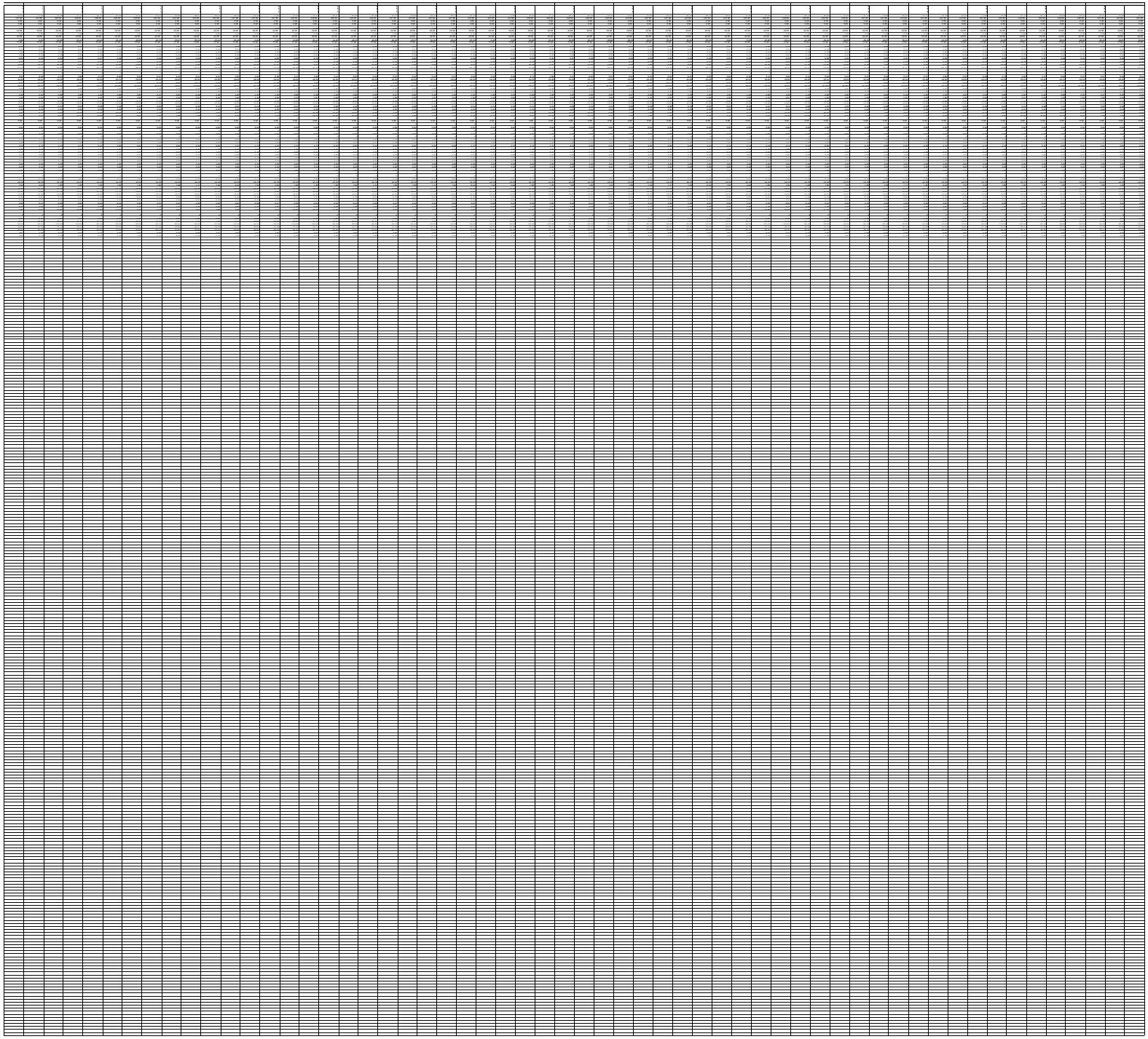
ENERGY SUPPLY RESOURCES (GWh)

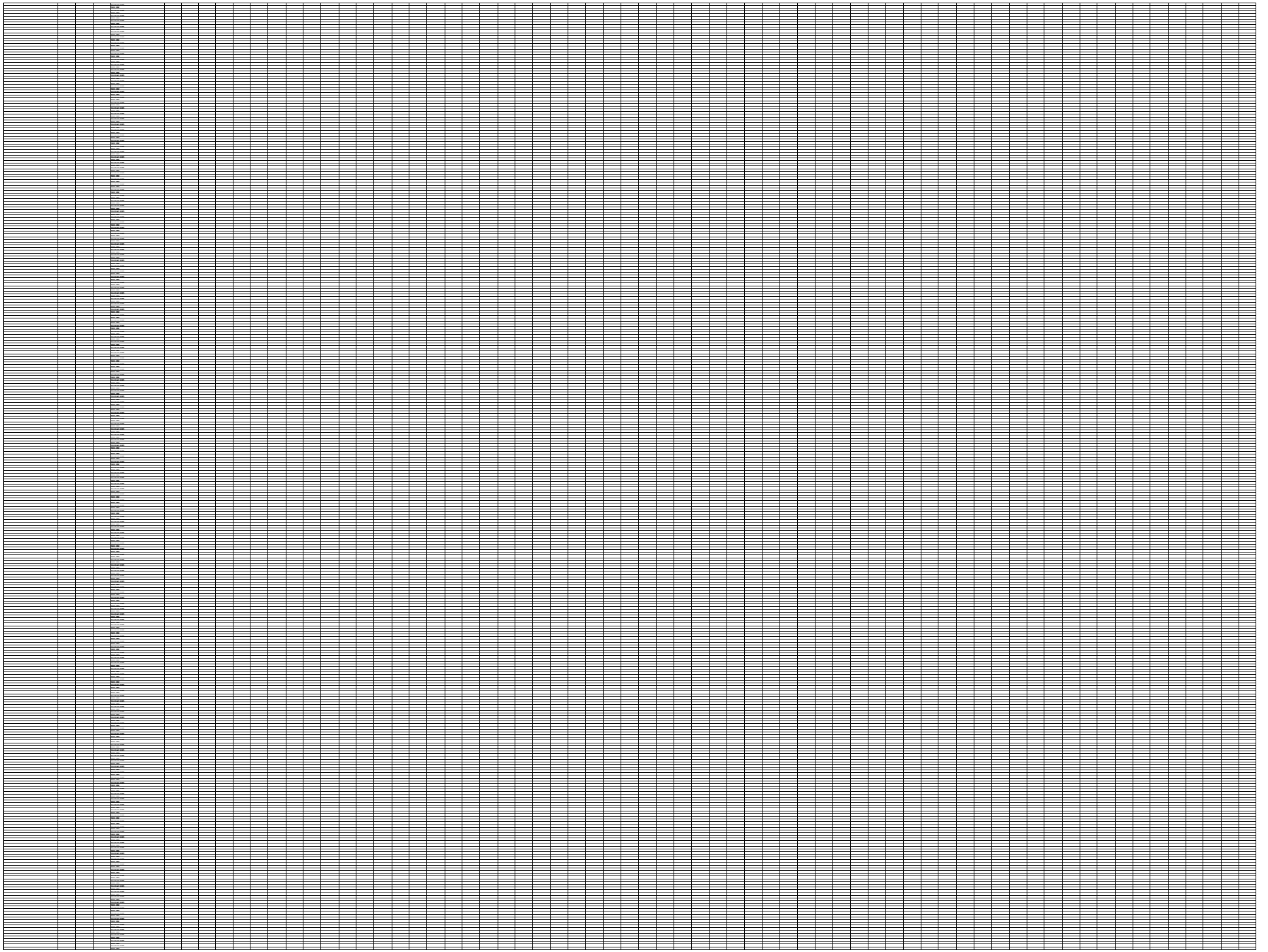
		2020 (Actual Supply)	2021 (Actual Supply)	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
1a	**Total Fossil Fuel Supply**	**709.04**	**1293.49**	#	#	#	#	#	#	#	#	#	#
1b	Don Von Raesfeld (DVR) Power Plant	469.35	777.78	#	#	#	#	#	#	#	#	#	#
	Santa Clara Cogen	43.18	43.32	46.45	46.99	0	0	0	0	0	0	0	0
	Gianera Unit 1	3.42	0.48	3.02	3.02	2.98	2.99	2.60	2.30	2.38	1.68	1.88	1.58
	Gianera Unit 2	3.28	6.17	3.02	3.02	2.95	2.99	2.60	2.30	2.38	1.68	1.88	1.61
	Lodi Energy Center	184.38	444.28	#	#	#	#	#	#	81.94	67.59	75.47	77.36
	Lodi Gas Turbine	1.47	19.09	1.41	1.20	0.67	0.62	0.49	0.48	0.50	0.47	0.53	0.54
	Alameda Unit 1	2.20	1.27	1.31	1.13	0.63	0.59	0.46	0.45	0.47	0.45	0.50	0.51
	Alameda Unit 2	1.76	1.11	1.40	1.20	0.66	0.62	0.48	0.46	0.47	0.45	0.50	0.50
1c													
1d													
2a	**Total Nuclear Supply**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
2b													
2c													
3a	**Total Hydroelectric Supply**	**574.04**	**391.13**	#	#	#	#	#	#	#	#	#	#
3b	Hydro Supply from Plants 30 MW or more												
	WAPA Base Resource	269.94	163.59	#	264.7	264.7	264.7	#	264.7	264.7	264.7	264.7	264.7
	Collierville Hydro	107.25	64.42	#	#	#	#	#	#	#	#	#	#
	Donnells Hydro	196.84	159.35	#	#	0	0	0	0	0	0	0	0
	Forbestown Powerhouse	0	2.24	45.68	66.26	66.31	66.27	#	66.19	66.62	66.27	66.12	66.27
	Woodleaf Powerhouse	0	1.54	78.26	#	#	#	#	#	#	#	#	#
3c	Hydro Supply from Plants Less than 30 MW												
	Stoney Gorge Hydro	5.66	1.90	6.72	9.60	9.63	9.60	9.60	9.60	9.63	9.60	9.60	9.60
	Black Butte Hydro	4.48	1.95	7.35	10.50	10.53	10.50	#	10.50	10.53	10.50	10.50	10.50
	High Line Hydro	0.16	0	0	0	0	0	0	0	0	0	0	0
	Grizzly Hydro	0	0	0	32.65	43.39	43.39	#	43.39	43.39	43.39	43.39	43.39
	Spicer Hydro	4.86	2.70	5.60	6.41	6.41	6.41	6.41	6.41	6.41	6.41	6.41	6.41
	Friant Hydro	45.39	10.55	57.68	82.41	82.59	82.40	#	82.39	82.59	82.42	82.41	82.40
	Quinten Luallen	24.64	28.98	34.01	48.58	48.68	48.58	#	48.57	48.68	48.58	48.58	48.58
	Sandbar Hydro	40.81	32.44	61.63	88.05	0	0	0	0	0	0	0	0
	Beardsley Hydro	36.53	25.14	44.08	62.97	0	0	0	0	0	0	0	0
	Tulloch Hydro	108.24	110.11	68.83	98.33	0	0	0	0	0	0	0	0
	Rio Bravo	18.37	3.65	16.90	24.14	20.84	0	0	0	0	0	0	0
	Kelly Ridge	0	1.90	26.42	30.90	30.93	30.78	#	30.97	31.01	30.87	30.85	30.78
	Sly Creek	0	0.10	11.01	18.91	18.89	18.83	#	18.94	18.99	18.88	18.84	18.83
	Camp Far West Hydro	0	0	18.05	25.79	25.79	25.79	#	25.79	25.79	25.79	25.79	25.79
4a	**Total Utility-Controlled Renewable Supply**	**894.589**	**1126.31**	#	#	#	#	#	#	#	#	#	#
4b	Ameresco Forward	32.31	31.83	36.79	36.79	36.89	36.79	#	36.79	36.89	36.79	36.79	36.79
	Ameresco Vasco	34.28	33.79	37.67	37.67	37.77	37.67	#	37.67	37.77	37.67	37.67	37.67
	G2 Energy	12.45	13.03	11.35	11.35	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	NCPA Geothermal Plant 1 Unit 1	59.32	105.07	88.19	94.51	93.02	85.35	#	87.90	82.03	84.89	82.66	77.57
	NCPA Geothermal Plant 1 Unit 2	102.90	109.91	81.70	87.55	86.17	79.06	#	81.42	75.99	78.64	76.57	71.86
	NCPA Geothermal Plant 2 Unit 4	101.00	134.16	#	#	#	#	#	#	#	#	#	#
	Big Horn 1	315.84	293.10	#	#	#	#	#	#	#	#	#	#
	Big Horn 2	50.81	45.14	42.14	42.17	42.31	42.19	#	42.19	42.37	42.37	42.37	42.15
	Manzana Wind	128.04	146.89	#	#	#	#	#	#	#	#	#	#
	Rosamond One	57.11	59.40	59.20	59.20	59.20	59.20	#	59.20	59.20	59.20	59.20	59.20
	Central 40 Solar	0.55	96.91	95.40	94.93	94.73	93.98	#	93.04	92.85	92.11	91.65	91.19
	Aquamarine	0	57.07	#	#	#	0	0	0	0	0	0	0
	HYBRID RESOURCE												
4c	Solar												
	Battery												
4d	Sand Hill A (Planned Contract)	0	0	0	0	0	0	#	44.72	44.86	44.72	44.72	44.72
	Sand Hill B (Planned Contract)	0	0	0	0	0	0	#	50.97	51.13	50.97	50.97	50.97
	Rooney Ranch (Planned Contract)	0	0	0	0	0	0	#	68.67	68.89	68.67	68.67	68.67
	Wind Project (Planned Contract)	0	0	0	0	0	#	#	#	#	#	#	#
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
6b													
6c													
6d													
6e	Renewable DG Supply												
7a	**Total Other Bilateral Contract Supply**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
7b													
7c													
7d													
7e													
7g	**Running Total of Unbundled RECs (GWh in Energy Table only)**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
7h													
8	Short-Term and Spot Market Purchases (and Sales)												
	CAPACITY/ENERGY BALANCE SUMMARY												
9	**Total: Existing and Planned Supply**	**2177.663**	#	#	#	#	#	#	#	#	#	#	#
10	**Firm LSE Procurement Requirement**	**3.851**	**4.134**	**4.382**	**4.905**	**5.392**	**5.931**	#	**6.925**	**7.065**	**7.157**	**7.276**	**7.395**
11	**Net Surplus (or Need)**	#	#	#	#	#	#	#	#	#	#	#	#
12	Generic Renewable Supply												
13	Generic Non-Renewable Resources												
14	Specified Planning Reserve Margin												

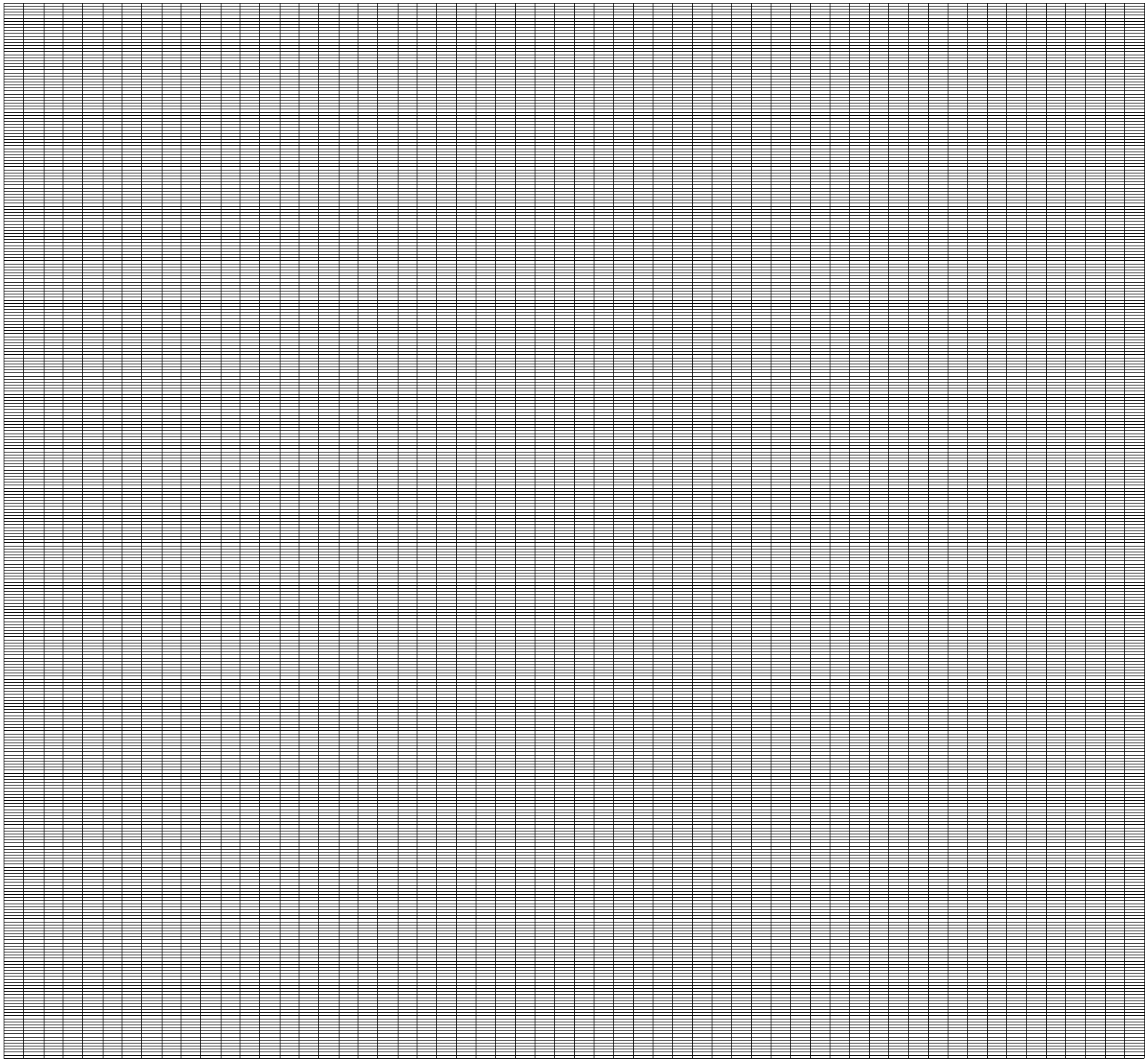
State of California
California Energy Commission
ELECTRICITY RESOURCE PLANNING FORMS
Form S-2: Addendum Monthly Capacity and Energy Data
City of Santa Clara dba Silicon Valley Power

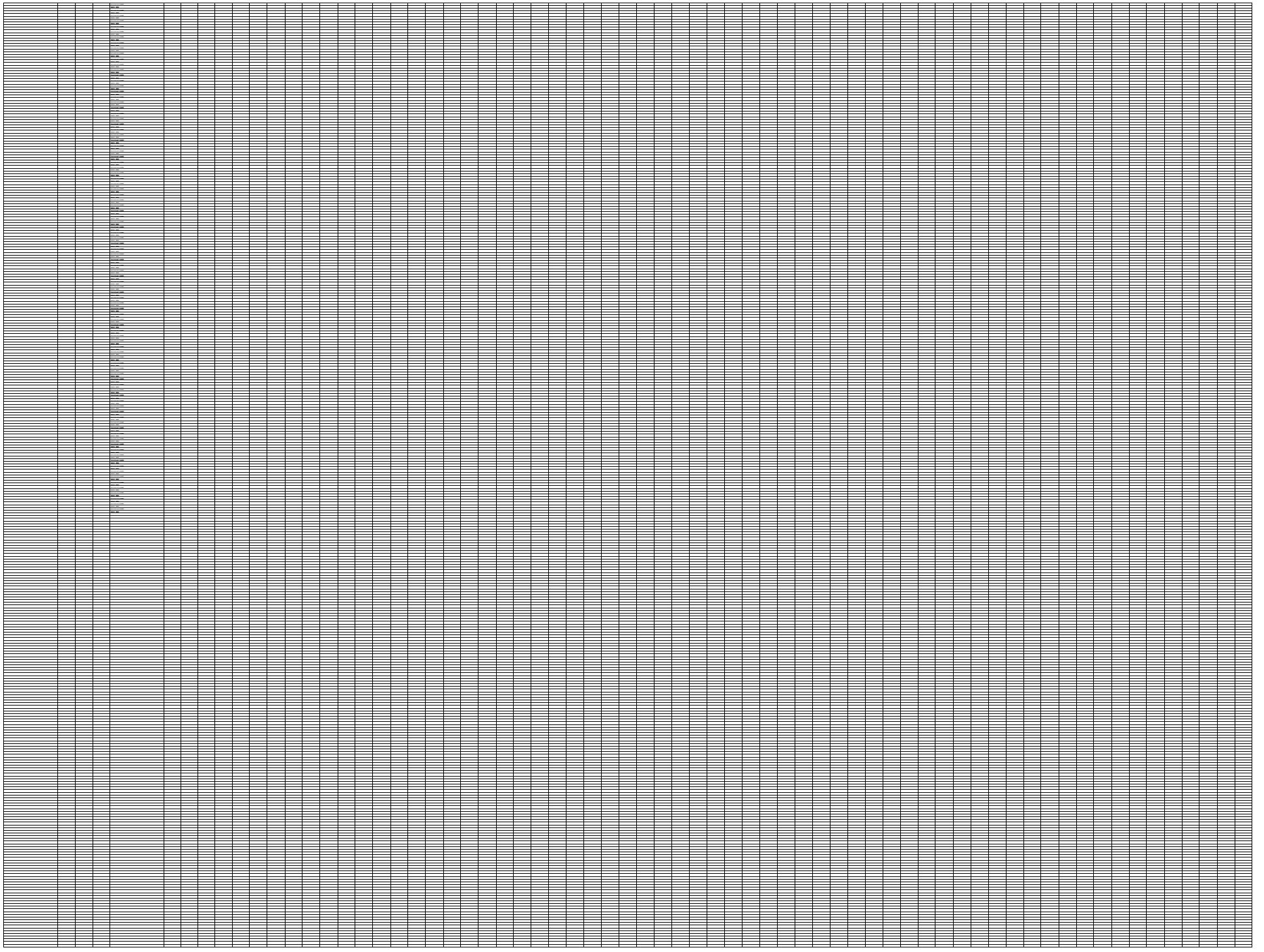
Please copy more rows below as needed

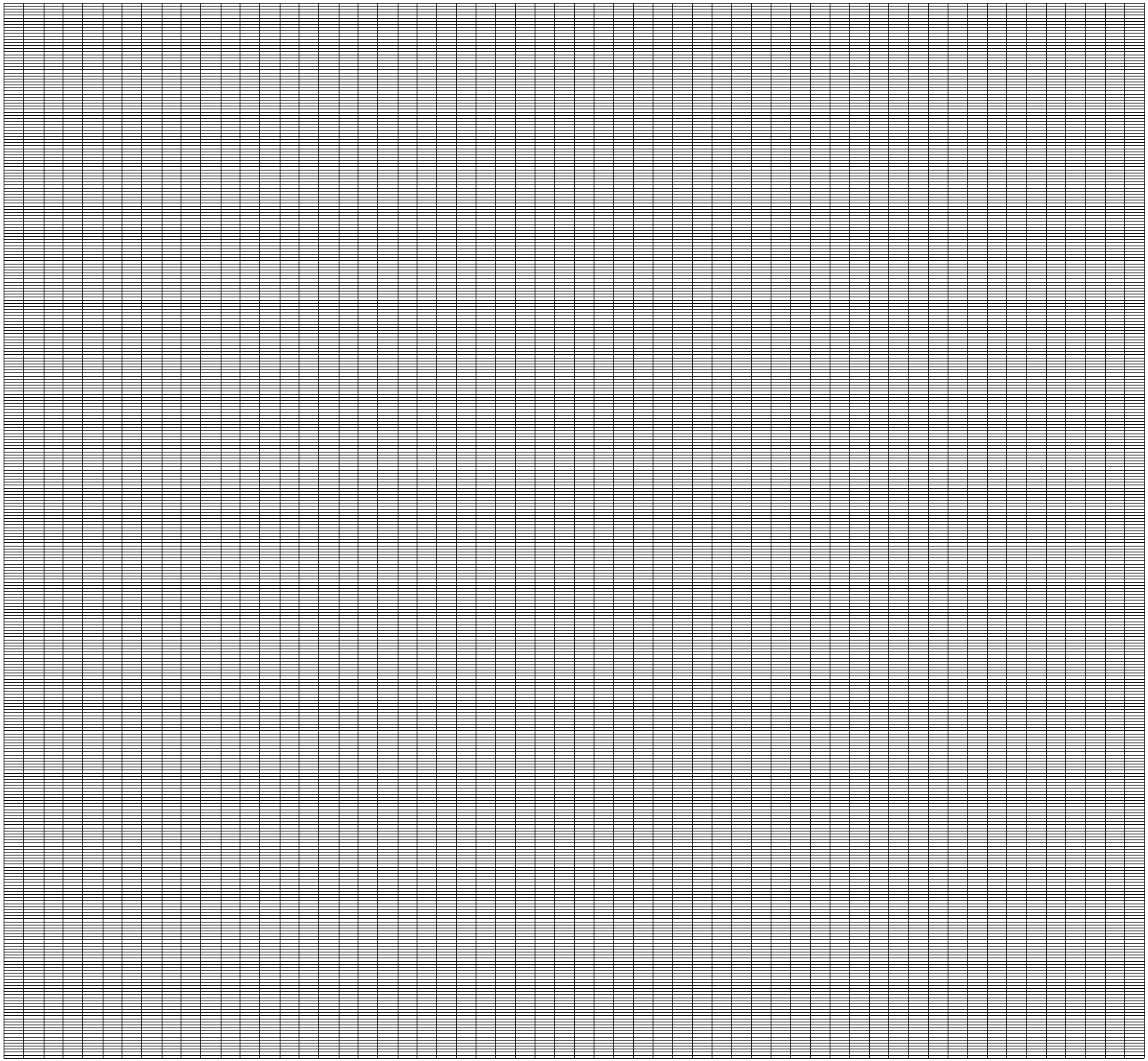
Resource Name	Plant/Unit Identifier- CEC ID	Plant/Unit Identifier- EIAID	Plant/Unit Identifier- CAISO ID				
[illegible]	[illegible]	[illegible]	[illegible]	Contract GWh	[illegible]	[illegible]	[illegible]
				NQC MW	147.80	147.80	147.80
[illegible]	G0114	[illegible]	[illegible]	Contract GWh	[illegible]	[illegible]	[illegible]
				NQC MW	6.00	6.00	6.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00	[illegible]	[illegible]
				NQC MW	24.00	24.00	24.00
[illegible]	[illegible]	[illegible]	[illegible]	Contract GWh	0.00	0.30	0.00
				[illegible]	24.00	24.00	24.00
[illegible]	[illegible]	[illegible]	[illegible]	Contract GWh	[illegible]	[illegible]	[illegible]
				NQC MW	77.91	77.91	77.91
[illegible]	[illegible]	[illegible]	[illegible]	Contract GWh	[illegible]	[illegible]	[illegible]
				NQC MW	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	Contract GWh	[illegible]	[illegible]	[illegible]
				NQC MW	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	Contract GWh	[illegible]	[illegible]	[illegible]
				NQC MW	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	Contract GWh	[illegible]	[illegible]	[illegible]
				NQC MW	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	DONNLS_7_UNI	Contract GWh	[illegible]	[illegible]	[illegible]
				NQC MW	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	FORBST_7_UNIT	Contract GWh	[illegible]	[illegible]	[illegible]
				NQC MW	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	WDLEAF_7_UNI	Contract GWh	[illegible]	[illegible]	[illegible]
				NQC MW	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	Contract GWh	[illegible]	[illegible]	[illegible]
				NQC MW	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	Contract GWh	[illegible]	[illegible]	[illegible]
				NQC MW	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	Contract GWh	0	0	0

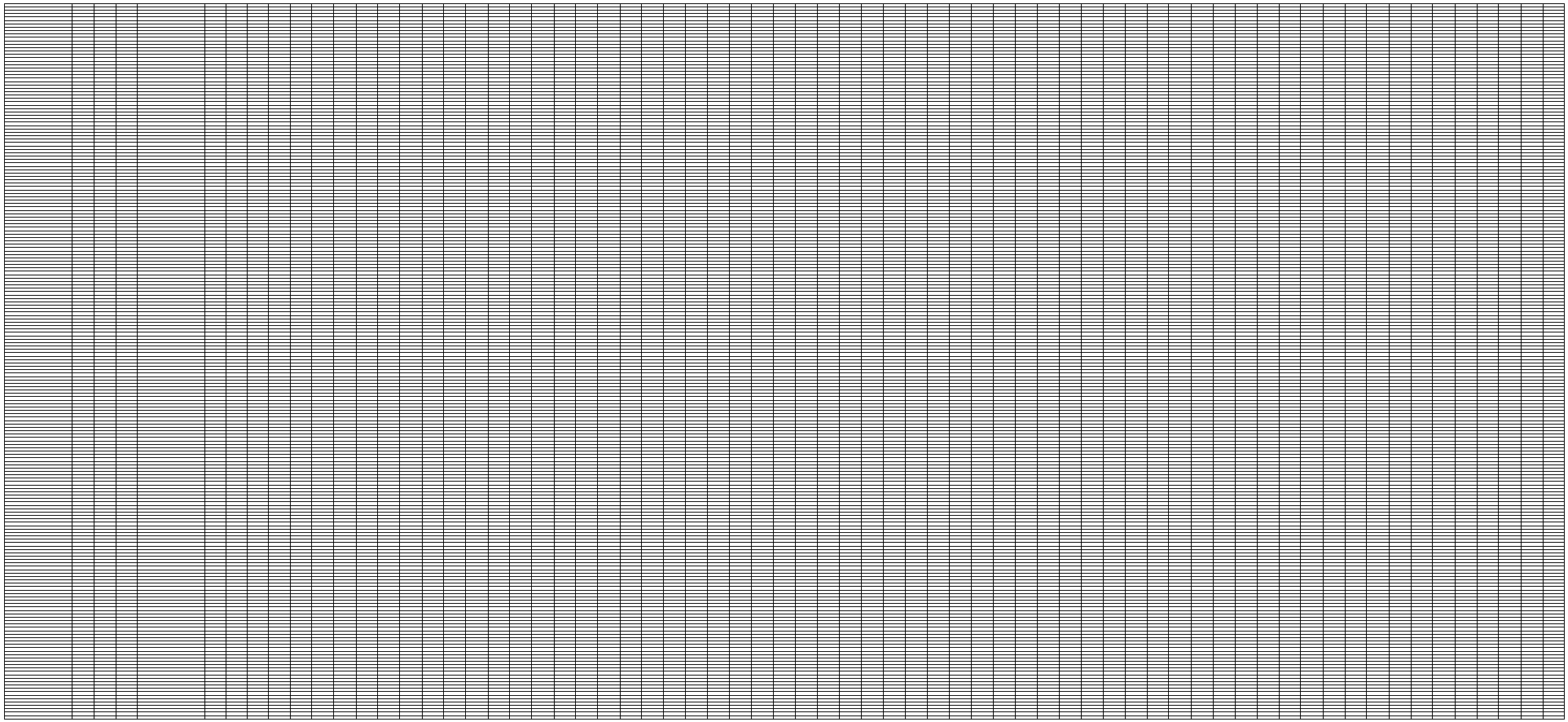


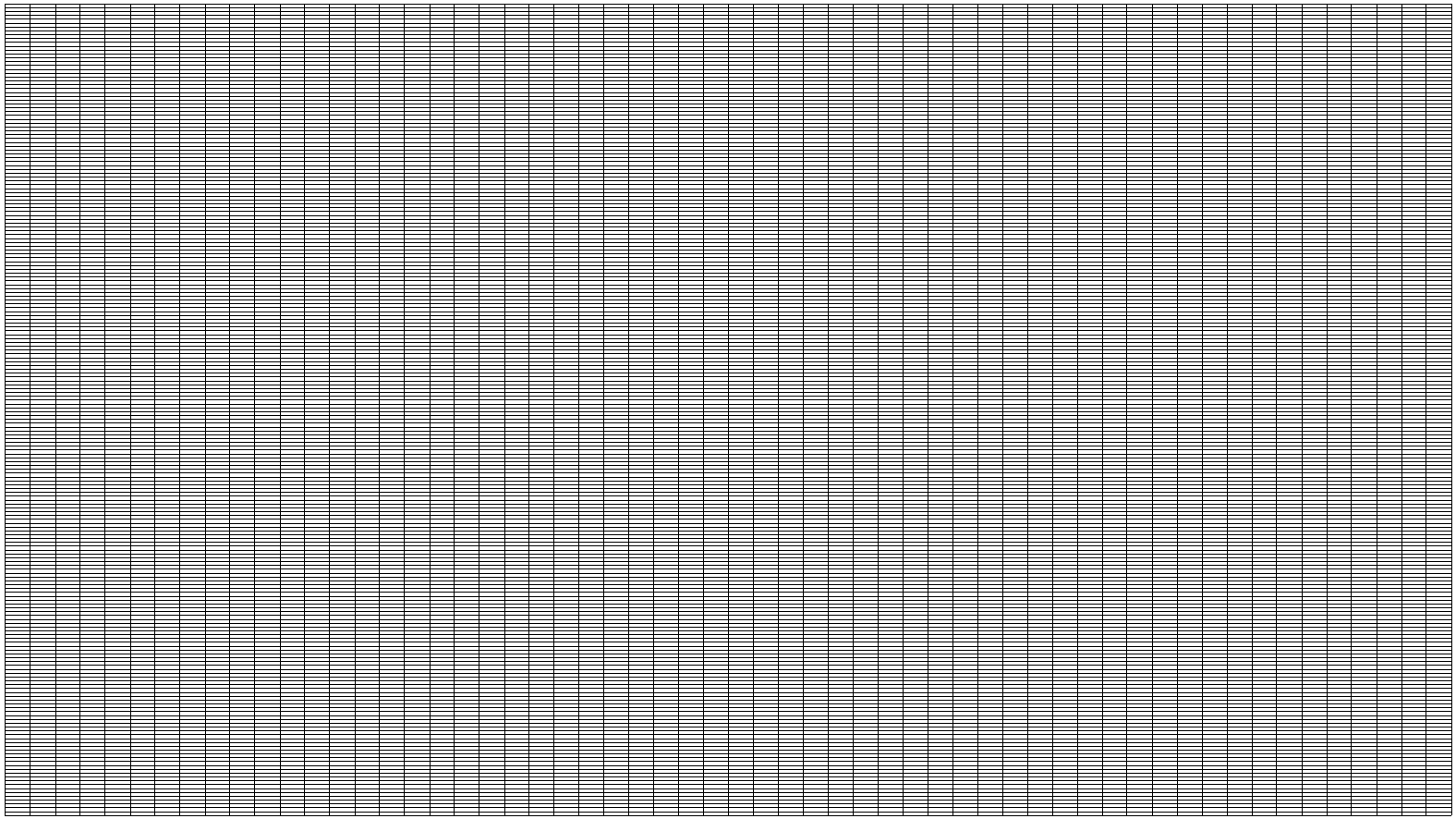












State of California
California Energy Commission
ELECTRICITY RESOURCE PLANNING FORMS
CEC Form S-3: 2021 SMALL POU HOURLY LOADS

City of Santa Clara dba Silicon Valley Power
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 2021, in megawatts, for each hour of each day.

Begin with the hour that ended at 1 a.m. on January 1, 2021.
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)
1/1/2021	1	
1/1/2021	2	
1/1/2021	3	
1/1/2021	4	
1/1/2021	5	
1/1/2021	6	
1/1/2021	7	
1/1/2021	8	
1/1/2021	9	
1/1/2021	10	
1/1/2021	11	
1/1/2021	12	
1/1/2021	13	
1/1/2021	14	
1/1/2021	15	
1/1/2021	16	
1/1/2021	17	
1/1/2021	18	
1/1/2021	19	
1/1/2021	20	
1/1/2021	21	
1/1/2021	22	
1/1/2021	23	
1/1/2021	24	
1/2/2021	1	
1/2/2021	2	
1/2/2021	3	
1/2/2021	4	
1/2/2021	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.
City of Santa Clara dba Silicon Valley Power

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

S-2 line	Contract Name:	Supplier / Seller:	Unit Contingent:
6b	0		
6c	0		
6d	0		
7b	0		
7c	0		
7d	0		
7e	0		

Generating Unit(s) Specified	Supply Resoucre(s) Delivery Zone/Point	Contract Start Date	Contract Expiration Date	Capacity (MW) Under Contract:	Contract / Agreement Products