Form 1.5b - STATEWIDE

California Energy Demand 2019-2030 Managed Forecast - Mid Demand / Mid AAEE Case
1-in-2 Net Electricity Peak Demand by Agency and Balancing Authority (MW)

Balancing Authority	Agency	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	Average Annual Growth (2019-2030)	CAISO area Non-IOU,CCA,ESP demand flag
	PG&E Service Area - Greater Bay Area	7,223	7,113	6,970	6,926	6,902	6,898	6,922	6,951	6,977	7,032	7,025	7,062	-0.20%	
	NCPA - Greater Bay Area	198	194	190	188	186	185	186	186	186	187	186	188	-0.49%	1
	Power Enterprise of the San Francisco PUC	125	123	120	118	117	117	117	117	117	118	118	118	-0.49%	1
	Silicon Valley Power	530	542	540	546	553	562	569	570	570	573	571	575	0.75%	1
	Other NP15 LSEs - Bay Area	5	5	5	5	5	5	5	5	5	5	5	5	-0.69%	1
	CDWR - Greater Bay Area	55	55	57	57	57	57	56	56	56	56	56	60	0.92%	1
	WAPA - Greater Bay Area	52	52	52	52	52	52	52	52	52	52	52	52	0.00%	1
Greater Bay Area Subtotal		**8,188**	**8,083**	**7,933**	**7,892**	**7,873**	**7,876**	**7,907**	**7,937**	**7,964**	**8,023**	**8,013**	**8,061**	**-0.14%**	
	PG&E Service Area - Non Bay Area	9,955	9,803	9,606	9,545	9,513	9,507	9,540	9,580	9,616	9,691	9,682	9,734	-0.20%	
	NCPA - Non Bay Area	211	207	202	200	199	198	198	198	199	200	199	200	-0.49%	1
	Other NP15 LSEs - Non Bay Area	7	7	7	7	7	7	7	7	7	7	7	7	-0.49%	1
	CDWR - Non Bay Area	55	55	57	57	57	57	56	56	56	56	56	60	0.92%	1
	WAPA - Non Bay Area	185	185	185	185	185	185	185	185	185	185	185	185	0.00%	1
Total North of Path 15		**18,602**	**18,341**	**17,991**	**17,886**	**17,832**	**17,829**	**17,893**	**17,964**	**18,026**	**18,161**	**18,142**	**18,247**	**-0.17%**	
	PG&E Service Area - 2P26	2,047	2,016	1,975	1,963	1,956	1,955	1,962	1,970	1,977	1,993	1,991	2,002	-0.20%	
	CDWR - 2P26	115	115	120	120	120	120	119	118	118	118	118	127	0.92%	1
	WAPA - 2P26	15	15	15	15	15	15	15	15	15	15	15	15	0.00%	1
Total Zone Path 26		**2,177**	**2,146**	**2,110**	**2,097**	**2,091**	**2,090**	**2,095**	**2,103**	**2,111**	**2,126**	**2,124**	**2,144**	**-0.14%**	
Total Valley		**12,591**	**12,403**	**12,167**	**12,091**	**12,050**	**12,043**	**12,081**	**12,130**	**12,173**	**12,265**	**12,253**	**12,330**	**-0.19%**	
Total North of Path 26 (Total PG&E TAC Area)		**20,779**	**20,486**	**20,100**	**19,983**	**19,923**	**19,919**	**19,988**	**20,067**	**20,137**	**20,287**	**20,266**	**20,391**	**-0.17%**	
	Turlock Irrigation District	543	535	531	530	528	527	525	524	524	524	525	527	-0.27%	
	Merced	109	108	107	107	106	106	106	106	106	106	106	106	-0.27%	
Total Turlock Irrigation District Control Area		**652**	**643**	**638**	**637**	**634**	**633**	**631**	**630**	**629**	**630**	**631**	**633**	**-0.27%**	
	SMUD	2,959	2,916	2,899	2,897	2,890	2,881	2,870	2,861	2,861	2,869	2,882	2,895	-0.20%	
	Modesto Irrigation District	674	664	659	658	656	654	652	651	650	651	652	654	-0.27%	
	Roseville	325	321	318	318	316	316	315	314	314	314	315	316	-0.27%	
	Redding	221	217	216	215	215	214	213	213	213	213	213	214	-0.27%	
	City of Shasta Lake	35	34	34	34	34	34	33	33	33	33	34	34	-0.27%	
	WAPA (BANC)	90	90	90	90	90	90	90	90	90	90	90	90	0.00%	
Total Balancing Authority of Northern California Control Area		**4,304**	**4,242**	**4,215**	**4,211**	**4,200**	**4,188**	**4,174**	**4,163**	**4,161**	**4,171**	**4,186**	**4,202**	**-0.22%**	
	SCE Service Area - LA Basin	16,297	16,109	15,975	15,861	15,850	15,796	15,753	15,749	15,769	15,789	15,883	16,027	-0.15%	
	Anaheim	526	520	515	512	511	509	508	508	509	509	512	517	-0.15%	1
	Pasadena Water and Power	273	270	267	265	265	264	264	264	264	264	266	268	-0.15%	1
	Riverside	594	587	582	578	577	575	574	574	574	575	579	584	-0.15%	1
	Vernon	149	147	171	170	169	169	169	169	169	169	170	171	1.26%	1
	Other SP15 LSEs - LA Basin	246	243	241	240	239	239	238	238	238	239	240	242	-0.15%	1
	MWD - LA Basin	20	20	20	20	20	20	20	20	20	20	20	20	0.00%	1
LA Basin Subtotal		**18,104**	**17,895**	**17,771**	**17,645**	**17,633**	**17,572**	**17,525**	**17,521**	**17,542**	**17,565**	**17,669**	**17,829**	**-0.14%**	
	SCE Service Area - Big Creek/Ventura	3,996	3,950	3,917	3,889	3,886	3,873	3,862	3,861	3,866	3,871	3,894	3,929	-0.15%	
	CDWR - Big Creek/Ventura	290	275	275	275	275	275	275	276	276	303	303	303	0.40%	1
Big Creek/Ventura Subtotal		**4,286**	**4,224**	**4,192**	**4,164**	**4,161**	**4,148**	**4,137**	**4,137**	**4,142**	**4,174**	**4,197**	**4,233**	**-0.11%**	
	SCE Service Area - Other	1,010	999	990	983	983	979	977	976	977	979	985	993	-0.15%	
	Other SP15 LSEs - Other	26	26	25	25	25	25	25	25	25	25	25	25	-0.15%	1
	CDWR - Other	47	45	45	45	45	45	45	45	45	50	50	50	0.40%	1
	MWD - Other	163	154	154	154	154	154	154	154	154	171	172	172	0.45%	1
Total SCE TAC Area		**23,637**	**23,343**	**23,177**	**23,015**	**23,000**	**22,923**	**22,862**	**22,859**	**22,886**	**22,964**	**23,097**	**23,301**	**-0.13%**	
SDG&E TAC Area		**4,194**	**4,138**	**4,158**	**4,194**	**4,224**	**4,250**	**4,273**	**4,292**	**4,313**	**4,334**	**4,354**	**4,373**	**0.38%**	
Valley Electric Association (CA + NV Territory)		**133**	**145**	**153**	**156**	**159**	**161**	**164**	**166**	**169**	**171**	**173**	**176**	**2.53%**	1
Total South of Path 26		**27,964**	**27,625**	**27,488**	**27,366**	**27,383**	**27,334**	**27,299**	**27,317**	**27,368**	**27,469**	**27,625**	**27,850**	**-0.04%**	
	LADWP	5,787	5,696	5,608	5,555	5,450	5,368	5,246	5,160	5,059	4,992	4,940	4,872	-1.55%	
	Burbank	286	284	284	285	283	282	281	279	279	279	281	283	-0.11%	
	Glendale	297	295	294	295	294	292	291	290	289	290	291	293	-0.11%	
Total LADWP Control Area		**6,370**	**6,275**	**6,186**	**6,135**	**6,028**	**5,942**	**5,818**	**5,729**	**5,627**	**5,561**	**5,512**	**5,448**	**-1.41%**	
Imperial Irrigation District Control Area		**1,071**	**1,056**	**1,045**	**1,037**	**1,030**	**1,024**	**1,019**	**1,017**	**1,017**	**1,020**	**1,026**	**1,033**	**-0.33%**	
Total California ISO Noncoincident Peak		**48,743**	**48,112**	**47,589**	**47,349**	**47,306**	**47,253**	**47,287**	**47,384**	**47,505**	**47,757**	**47,891**	**48,241**	**-0.09%**	
Total California ISO Coincident Peak		**46,117**	**45,647**	**45,184**	**45,280**	**45,447**	**45,610**	**45,827**	**46,011**	**46,227**	**46,493**	**46,702**	**47,016**	**0.18%**	
Total STATEWIDE Noncoincident Peak		**61,141**	**60,327**	**59,673**	**59,369**	**59,198**	**59,040**	**58,929**	**58,923**	**58,940**	**59,138**	**59,246**	**59,558**	**-0.24%**	
Total STATEWIDE Coincident Peak		**57,848**	**57,236**	**56,658**	**56,775**	**56,872**	**56,987**	**57,109**	**57,216**	**57,354**	**57,572**	**57,776**	**58,045**	**0.03%**	

Table developed using weather normalized 2019 net peak demand values for each BA area. Inlcudes the impact of IOU load-modifying demand response programs.

Agency peak demand within a BA area is adjusted to be coincident with the respective BA area net peak demand total.

Please input your LSE's 2021 System RA allocation, NQC MW here. This will be kept confidential.

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
CAISO area Non-IOU,CCA,ESP non-coincident demand	3,985	3,997	3,988	3,992	3,995	3,999	4,004	4,009	4,068	4,077	4,120
CAISO area IOU,CCA,ESP non-coincident demand	44,127	43,592	43,361	43,314	43,259	43,288	43,380	43,496	43,689	43,813	44,121
coincident adjustment	95%	95%	96%	96%	97%	97%	97%	97%	97%	98%	97%
CAISO area IOU,CCA,ESP coincident demand	41,866	41,389	41,466	41,612	41,754	41,951	42,123	42,326	42,533	42,726	43,000

Your LSE'S estimated percent of CAISO area IOU,CCA,ESP coincident demand	0.42%

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Your LSE's estimated system RA requirement, NQC MW	177	175	175	176	177	177	178	179	180	181	182

Test TRUE

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
	ke	resource	opsi_contract_id	Year	Month	contract_path	contracted_mp_mw_if_known	mp_facilities_if_mp_not_known	contract_status	storage_duration_hours	notes	max_mw	resource_type	currently_online	elcc_type	elcc_type_year_month	elcc_percent	battery_multiplier	calculated_nqc_mw (for_resources_with_no_nqc_contracted_is_0)	final_nqc_mw	test_nqc	supertype	100 is buying energy from resource	100 is buying capacity from resource	resource_contract_note	is_first_occurrence	create_unique_contract_index
1	11001	[redacted]		2020	1	0	[redacted]		online		[redacted]	[redacted]		1	[redacted]		100%	1	[redacted]		ok	physical	0	1	[redacted]	1	1
2	CAs			2020	2	0			online					1			100%	1			ok	physical	0	1		0	0
3	CAs			2020	3	0			online					1			100%	1			ok	physical	0	1		0	0
4	CAs			2020	4	0			online					1			100%	1			ok	physical	0	1		0	0
5	CAs			2020	5	0			online					1			100%	1			ok	physical	0	1		0	0
6	CAs			2020	6	0			online					1			100%	1			ok	physical	0	1		0	0
7	CAs			2020	7	0			online					1			100%	1			ok	physical	0	1		0	0
8	CAs			2020	8	0			online					1			100%	1			ok	physical	0	1		0	0
9	CAs			2020	9	0			online					1			100%	1			ok	physical	0	1		0	0
10	CAs			2020	10	0			online					1			100%	1			ok	physical	0	1		0	0
11	CAs			2020	11	0			online					1			100%	1			ok	physical	0	1		0	0
12	CAs			2020	12	0			online					1			100%	1			ok	physical	0	1		0	0
13	CAs			2021	1	0			online					1			100%	1			ok	physical	0	1		0	0
14	CAs			2021	2	0			online					1			100%	1			ok	physical	0	1		0	0
15	CAs			2021	3	0			online					1			100%	1			ok	physical	0	1		0	0
16	CAs			2021	4	0			online					1			100%	1			ok	physical	0	1		0	0
17	CAs			2021	5	0			online					1			100%	1			ok	physical	0	1		0	0
18	CAs			2021	6	0			online					1			100%	1			ok	physical	0	1		0	0
19	CAs			2021	7	0			online					1			100%	1			ok	physical	0	1		0	0
20	CAs			2021	8	0			online					1			100%	1			ok	physical	0	1		0	0
21	CAs			2021	9	0			online					1			100%	1			ok	physical	0	1		0	0
22	CAs			2021	10	0			online					1			100%	1			ok	physical	0	1		0	0
23	CAs			2021	11	0			online					1			100%	1			ok	physical	0	1		0	0
24	CAs			2021	12	0			online					1			100%	1			ok	physical	0	1		0	0
25	CAs			2020	1	0			online					1			100%	1			ok	physical	0	1		1	2
26	CAs			2020	2	0			online					1			100%	1			ok	physical	0	1		0	0
27	CAs			2020	3	0			online					1			100%	1			ok	physical	0	1		0	0
28	CAs			2020	4	0			online					1			100%	1			ok	physical	0	1		0	0
29	CAs			2020	5	0			online					1			100%	1			ok	physical	0	1		0	0
30	CAs			2020	6	0			online					1			100%	1			ok	physical	0	1		0	0
31	CAs			2020	7	0			online					1			100%	1			ok	physical	0	1		0	0
32	CAs			2020	8	0			online					1			100%	1			ok	physical	0	1		0	0
33	CAs			2020	9	0			online					1			100%	1			ok	physical	0	1		0	0
34	CAs			2020	10	0			online					1			100%	1			ok	physical	0	1		0	0
35	CAs			2020	11	0			online					1			100%	1			ok	physical	0	1		0	0
36	CAs			2020	12	0			online					1			100%	1			ok	physical	0	1		0	0
37	CAs			2021	1	0			online					1			100%	1			ok	physical	0	1		0	0
38	CAs			2021	2	0			online					1			100%	1			ok	physical	0	1		0	0
39	CAs			2021	3	0			online					1			100%	1			ok	physical	0	1		0	0
40	CAs			2021	4	0			online					1			100%	1			ok	physical	0	1		0	0
41	CAs			2021	5	0			online					1			100%	1			ok	physical	0	1		0	0
42	CAs			2021	6	0			online					1			100%	1			ok	physical	0	1		0	0
43	CAs			2021	7	0			online					1			100%	1			ok	physical	0	1		0	0
44	CAs			2021	8	0			online					1			100%	1			ok	physical	0	1		0	0
45	CAs			2021	9	0			online					1			100%	1			ok	physical	0	1		0	0
46	CAs			2021	10	0			online					1			100%	1			ok	physical	0	1		0	0
47	CAs			2021	11	0			online					1			100%	1			ok	physical	0	1		0	0
48	CAs			2021	12	0			online					1			100%	1			ok	physical	0	1		0	0
49	CAs			2022	1	0			online					1			100%	1			ok	physical	0	1		0	0
50	CAs			2022	2	0			online					1			100%	1			ok	physical	0	1		0	0
51	CAs			2022	3	0			online					1			100%	1			ok	physical	0	1		0	0
52	CAs			2022	4	0			online					1			100%	1			ok	physical	0	1		0	0
53	CAs			2022	5	0			online					1			100%	1			ok	physical	0	1		0	0
54	CAs			2022	6	0			online					1			100%	1			ok	physical	0	1		0	0
55	CAs			2022	7	0			online					1			100%	1			ok	physical	0	1		0	0
56	CAs			2022	8	0			online					1			100%	1			ok	physical	0	1		0	0
57	CAs			2022	9	0			online					1			100%	1			ok	physical	0	1		0	0
58	CAs			2022	10	0			online					1			100%	1			ok	physical	0	1		0	0
59	CAs			2022	11	0			online					1			100%	1			ok	physical	0	1		0	0
60	CAs			2022	12	0			online					1			100%	1			ok	physical	0	1		0	0
61	CAs			2020	8	0			online					1			27%	1			ok	physical	0	1		0	0
62	CAs			2020	9	0			online					1			14%	1			ok	physical	0	1		0	0
63	CAs	blended	energy	2020	7	5			online			0	blended	1	unknown	unknown_2020_7	0%	1			ok	special	1	0	dwd_energy_Seller's choice mix of PCG2 stable solar and wind imported a	1	0
64	CAs	blended	energy	2020	8	5			online			0	blended	1	unknown	unknown_2020_8	0%	1			ok	special	1	0	dwd_energy_Seller's choice mix of PCG2 stable solar and wind imported a	1	0
65	CAs	blended	energy	2020	9	5			online			0	blended	1	unknown	unknown_2020_9	0%	1			ok	special	1	0	dwd_energy_Seller's choice mix of PCG2 stable solar and wind imported a	1	0
66	CAs	transfer_purchase	energy	2020	12	26			online			0	transfer_purchase	1	unknown	unknown_2020_12	0%	1			ok	special	1	0	= _purchase_energy_50.0-buying 26.0000 MWh-carbon free-NW hydro-Bon	1	5
67	CAs	transfer_sale	energy	2020	12	31			online			0	transfer_sale	1	unknown	unknown_2020_12	0%	1			ok	special	1	0	transfer_sale_energy_30.0-selling 31.1363 MWh-PG2D Jan2016	1	5
68	CAs	existing_generic_no_hydro	energy	2020	12	7			online			0	CAISO_Hydro	1	hydro	hydro_2020_12	64%	1			ok	existing_generic	1	0	existing_generic_no_hydro_energy_owner	1	7
69	CAs	blended	energy	2020	12	36			online			0	blended	1	unknown	unknown_2020_12	0%	1			ok	special	1	0	blended_energy_36.2420 MWh-PG2	1	5
70	CAs	existing_generic_no_hydro	energy	2021	12	7			online			0	CAISO_Hydro	1	hydro	hydro_2021_12	64%	1			ok	existing_generic	1	0	existing_generic_no_hydro_energy_owner	0	0
71	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2021	1	4			planned_existing			0	CAISO_Solar	1	solar	solar_2021_1	4%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
72	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2021	2	4			planned_existing			0	CAISO_Solar	1	solar	solar_2021_2	3%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
73	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2021	3	4			planned_existing			0	CAISO_Solar	1	solar	solar_2021_3	18%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
74	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2021	4	4			planned_existing			0	CAISO_Solar	1	solar	solar_2021_4	15%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
75	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2021	5	4			planned_existing			0	CAISO_Solar	1	solar	solar_2021_5	16%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
76	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2021	6	4			planned_existing			0	CAISO_Solar	1	solar	solar_2021_6	31%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
77	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2021	7	4			planned_existing			0	CAISO_Solar	1	solar	solar_2021_7	39%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
78	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2021	8	4			planned_existing			0	CAISO_Solar	1	solar	solar_2021_8	27%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
79	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2021	9	4			planned_existing			0	CAISO_Solar	1	solar	solar_2021_9	14%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
80	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2021	10	4			planned_existing			0	CAISO_Solar	1	solar	solar_2021_10	2%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
81	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2021	11	4			planned_existing			0	CAISO_Solar	1	solar	solar_2021_11	2%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
82	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2021	12	4			planned_existing			0	CAISO_Solar	1	solar	solar_2021_12	0%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
83	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2022	1	25			planned_existing			0	CAISO_Solar	1	solar	solar_2022_1	4%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
84	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2022	2	25			planned_existing			0	CAISO_Solar	1	solar	solar_2022_2	3%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
85	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2022	3	25			planned_existing			0	CAISO_Solar	1	solar	solar_2022_3	18%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
86	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2022	4	25			planned_existing			0	CAISO_Solar	1	solar	solar_2022_4	15%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
87	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2022	5	25			planned_existing			0	CAISO_Solar	1	solar	solar_2022_5	16%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
88	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2022	6	25			planned_existing			0	CAISO_Solar	1	solar	solar_2022_6	31%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
89	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2022	7	25			planned_existing			0	CAISO_Solar	1	solar	solar_2022_7	39%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
90	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2022	8	25			planned_existing			0	CAISO_Solar	1	solar	solar_2022_8	27%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
91	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2022	9	25			planned_existing			0	CAISO_Solar	1	solar	solar_2022_9	14%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
92	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2022	10	25			planned_existing			0	CAISO_Solar	1	solar	solar_2022_10	2%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
93	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2022	11	25			planned_existing			0	CAISO_Solar	1	solar	solar_2022_11	2%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
94	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2022	12	25			planned_existing			0	CAISO_Solar	1	solar	solar_2022_12	0%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
95	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2023	1	13			planned_existing			0	CAISO_Solar	1	solar	solar_2023_1	4%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
96	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2023	2	13			planned_existing			0	CAISO_Solar	1	solar	solar_2023_2	3%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
97	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2023	3	13			planned_existing			0	CAISO_Solar	1	solar	solar_2023_3	18%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
98	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2023	4	13			planned_existing			0	CAISO_Solar	1	solar	solar_2023_4	15%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
99	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2023	5	13			planned_existing			0	CAISO_Solar	1	solar	solar_2023_5	16%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
100	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2023	6	13			planned_existing			0	CAISO_Solar	1	solar	solar_2023_6	31%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
101	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2023	7	13			planned_existing			0	CAISO_Solar	1	solar	solar_2023_7	39%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
102	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2023	8	13			planned_existing			0	CAISO_Solar	1	solar	solar_2023_8	27%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
103	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2023	9	13			planned_existing			0	CAISO_Solar	1	solar	solar_2023_9	14%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
104	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2023	10	13			planned_existing			0	CAISO_Solar	1	solar	solar_2023_10	2%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
105	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2023	11	13			planned_existing			0	CAISO_Solar	1	solar	solar_2023_11	2%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
106	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2023	12	13			planned_existing			0	CAISO_Solar	1	solar	solar_2023_12	0%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
107	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2024	1	5			planned_existing			0	CAISO_Solar	1	solar	solar_2024_1	3%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
108	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2024	2	5			planned_existing			0	CAISO_Solar	1	solar	solar_2024_2	3%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
109	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2024	3	5			planned_existing			0	CAISO_Solar	1	solar	solar_2024_3	15%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
110	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2024	4	5			planned_existing			0	CAISO_Solar	1	solar	solar_2024_4	13%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
111	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2024	5	5			planned_existing			0	CAISO_Solar	1	solar	solar_2024_5	14%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
112	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2024	6	5			planned_existing			0	CAISO_Solar	1	solar	solar_2024_6	27%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
113	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2024	7	5			planned_existing			0	CAISO_Solar	1	solar	solar_2024_7	33%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
114	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2024	8	5			planned_existing			0	CAISO_Solar	1	solar	solar_2024_8	23%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
115	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2024	9	5			planned_existing			0	CAISO_Solar	1	solar	solar_2024_9	12%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
116	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2024	10	5			planned_existing			0	CAISO_Solar	1	solar	solar_2024_10	2%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
117	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2024	11	5			planned_existing			0	CAISO_Solar	1	solar	solar_2024_11	2%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
118	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2024	12	5			planned_existing			0	CAISO_Solar	1	solar	solar_2024_12	0%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
119	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2025	1	7			planned_existing			0	CAISO_Solar	1	solar	solar_2025_1	3%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
120	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2025	2	7			planned_existing			0	CAISO_Solar	1	solar	solar_2025_2	2%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
121	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2025	3	7			planned_existing			0	CAISO_Solar	1	solar	solar_2025_3	14%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
122	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2025	4	7			planned_existing			0	CAISO_Solar	1	solar	solar_2025_4	12%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
123	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2025	5	7			planned_existing			0	CAISO_Solar	1	solar	solar_2025_5	12%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
124	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2025	6	7			planned_existing			0	CAISO_Solar	1	solar	solar_2025_6	24%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
125	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2025	7	7			planned_existing			0	CAISO_Solar	1	solar	solar_2025_7	31%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
126	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2025	8	7			planned_existing			0	CAISO_Solar	1	solar	solar_2025_8	21%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
127	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2025	9	7			planned_existing			0	CAISO_Solar	1	solar	solar_2025_9	11%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
128	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2025	10	7			planned_existing			0	CAISO_Solar	1	solar	solar_2025_10	2%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
129	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2025	11	7			planned_existing			0	CAISO_Solar	1	solar	solar_2025_11	2%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
130	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2025	12	7			planned_existing			0	CAISO_Solar	1	solar	solar_2025_12	0%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
131	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2026	1	2			planned_existing			0	CAISO_Solar	1	solar	solar_2026_1	3%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
132	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2026	2	2			planned_existing			0	CAISO_Solar	1	solar	solar_2026_2	2%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1xxx_none	0	0
133	CAs	existing_generic_solar_1xxx	energyestimating_generic_solar_1xxx	2026	3	2			planned_existing			0	CAISO_Solar	1	solar	solar_2026_3	12%	1			ok	existing_generic	1	0	existing_generic_solar_1xxx_energyestimating_generic_solar_1

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
	ba	resource	capacity_contract_id	Year	Month	contract_path	contracted_mw_mw_if_known	mp_flexible_if_mp_not_known	contract_status	storage_duration_hours	notes	max_mw	resource_type	currently_online	elcc_type	elcc_type_year_month	elcc_percent	battery_multiplier	calculated_mp_mw (for_resources_with_no_contracted_mw)	final_mp_mw	test_mp	supertype	USD is buying energy from resource	USD is buying capacity from resource	resource_contract_note	is_first_occurrence	create_unique_contract_index
1	CEA	existing_generic_solar_1axis	energyestimg_generic_solar_1axis	2030	8	6			planned_existing			0	CAISO_Solar	1	solar	solar_2030_8	17%	1			ok	existing_generic	1	0	existing_generic_solar_1axis_energyestimg_generic_solar_1axis_name	0	0
2	CEA	existing_generic_solar_1axis	energyestimg_generic_solar_1axis	2030	9	6			planned_existing			0	CAISO_Solar	1	solar	solar_2030_9	9%	1			ok	existing_generic	1	0	existing_generic_solar_1axis_energyestimg_generic_solar_1axis_name	0	0
3	CEA	existing_generic_solar_1axis	energyestimg_generic_solar_1axis	2030	10	6			planned_existing			0	CAISO_Solar	1	solar	solar_2030_10	1%	1			ok	existing_generic	1	0	existing_generic_solar_1axis_energyestimg_generic_solar_1axis_name	0	0
4	CEA	existing_generic_solar_1axis	energyestimg_generic_solar_1axis	2030	11	6			planned_existing			0	CAISO_Solar	1	solar	solar_2030_11	1%	1			ok	existing_generic	1	0	existing_generic_solar_1axis_energyestimg_generic_solar_1axis_name	0	0
5	CEA	existing_generic_solar_1axis	energyestimg_generic_solar_1axis	2030	12	6			planned_existing			0	CAISO_Solar	1	solar	solar_2030_12	0%	1			ok	existing_generic	1	0	existing_generic_solar_1axis_energyestimg_generic_solar_1axis_name	0	0
6	CEA	existing_generic_wind	energyestimg_generic_wind	2021	1	2			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2021_1	14%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
7	CEA	existing_generic_wind	energyestimg_generic_wind	2021	2	2			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2021_2	12%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
8	CEA	existing_generic_wind	energyestimg_generic_wind	2021	3	2			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2021_3	28%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
9	CEA	existing_generic_wind	energyestimg_generic_wind	2021	4	2			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2021_4	25%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
10	CEA	existing_generic_wind	energyestimg_generic_wind	2021	5	2			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2021_5	25%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
11	CEA	existing_generic_wind	energyestimg_generic_wind	2021	6	2			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2021_6	33%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
12	CEA	existing_generic_wind	energyestimg_generic_wind	2021	7	2			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2021_7	23%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
13	CEA	existing_generic_wind	energyestimg_generic_wind	2021	8	2			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2021_8	21%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
14	CEA	existing_generic_wind	energyestimg_generic_wind	2021	9	2			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2021_9	15%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
15	CEA	existing_generic_wind	energyestimg_generic_wind	2021	10	2			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2021_10	8%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
16	CEA	existing_generic_wind	energyestimg_generic_wind	2021	11	2			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2021_11	12%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
17	CEA	existing_generic_wind	energyestimg_generic_wind	2021	12	2			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2021_12	13%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
18	CEA	existing_generic_wind	energyestimg_generic_wind	2022	1	17			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2022_1	14%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
19	CEA	existing_generic_wind	energyestimg_generic_wind	2022	2	17			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2022_2	12%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
20	CEA	existing_generic_wind	energyestimg_generic_wind	2022	3	17			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2022_3	28%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
21	CEA	existing_generic_wind	energyestimg_generic_wind	2022	4	17			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2022_4	25%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
22	CEA	existing_generic_wind	energyestimg_generic_wind	2022	5	17			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2022_5	25%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
23	CEA	existing_generic_wind	energyestimg_generic_wind	2022	6	17			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2022_6	33%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
24	CEA	existing_generic_wind	energyestimg_generic_wind	2022	7	17			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2022_7	23%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
25	CEA	existing_generic_wind	energyestimg_generic_wind	2022	8	17			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2022_8	21%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
26	CEA	existing_generic_wind	energyestimg_generic_wind	2022	9	17			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2022_9	15%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
27	CEA	existing_generic_wind	energyestimg_generic_wind	2022	10	17			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2022_10	8%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
28	CEA	existing_generic_wind	energyestimg_generic_wind	2022	11	17			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2022_11	12%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
29	CEA	existing_generic_wind	energyestimg_generic_wind	2022	12	17			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2022_12	13%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
30	CEA	existing_generic_wind	energyestimg_generic_wind	2023	1	9			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2023_1	14%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
31	CEA	existing_generic_wind	energyestimg_generic_wind	2023	2	9			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2023_2	12%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
32	CEA	existing_generic_wind	energyestimg_generic_wind	2023	3	9			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2023_3	28%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
33	CEA	existing_generic_wind	energyestimg_generic_wind	2023	4	9			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2023_4	25%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
34	CEA	existing_generic_wind	energyestimg_generic_wind	2023	5	9			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2023_5	25%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
35	CEA	existing_generic_wind	energyestimg_generic_wind	2023	6	9			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2023_6	33%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
36	CEA	existing_generic_wind	energyestimg_generic_wind	2023	7	9			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2023_7	23%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
37	CEA	existing_generic_wind	energyestimg_generic_wind	2023	8	9			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2023_8	21%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
38	CEA	existing_generic_wind	energyestimg_generic_wind	2023	9	9			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2023_9	15%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
39	CEA	existing_generic_wind	energyestimg_generic_wind	2023	10	9			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2023_10	8%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
40	CEA	existing_generic_wind	energyestimg_generic_wind	2023	11	9			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2023_11	12%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
41	CEA	existing_generic_wind	energyestimg_generic_wind	2023	12	9			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2023_12	13%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
42	CEA	existing_generic_wind	energyestimg_generic_wind	2024	1	5			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2024_1	16%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
43	CEA	existing_generic_wind	energyestimg_generic_wind	2024	2	5			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2024_2	14%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
44	CEA	existing_generic_wind	energyestimg_generic_wind	2024	3	5			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2024_3	32%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
45	CEA	existing_generic_wind	energyestimg_generic_wind	2024	4	5			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2024_4	28%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
46	CEA	existing_generic_wind	energyestimg_generic_wind	2024	5	5			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2024_5	28%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
47	CEA	existing_generic_wind	energyestimg_generic_wind	2024	6	5			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2024_6	37%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
48	CEA	existing_generic_wind	energyestimg_generic_wind	2024	7	5			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2024_7	28%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
49	CEA	existing_generic_wind	energyestimg_generic_wind	2024	8	5			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2024_8	24%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
50	CEA	existing_generic_wind	energyestimg_generic_wind	2024	9	5			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2024_9	17%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
51	CEA	existing_generic_wind	energyestimg_generic_wind	2024	10	5			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2024_10	9%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
52	CEA	existing_generic_wind	energyestimg_generic_wind	2024	11	5			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2024_11	14%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
53	CEA	existing_generic_wind	energyestimg_generic_wind	2024	12	5			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2024_12	15%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
54	CEA	existing_generic_wind	energyestimg_generic_wind	2025	1	5			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2025_1	19%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
55	CEA	existing_generic_wind	energyestimg_generic_wind	2025	2	5			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2025_2	16%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
56	CEA	existing_generic_wind	energyestimg_generic_wind	2025	3	5			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2025_3	37%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
57	CEA	existing_generic_wind	energyestimg_generic_wind	2025	4	5			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2025_4	33%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
58	CEA	existing_generic_wind	energyestimg_generic_wind	2025	5	5			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2025_5	33%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
59	CEA	existing_generic_wind	energyestimg_generic_wind	2025	6	5			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2025_6	44%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
60	CEA	existing_generic_wind	energyestimg_generic_wind	2025	7	5			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2025_7	31%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
61	CEA	existing_generic_wind	energyestimg_generic_wind	2025	8	5			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2025_8	28%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
62	CEA	existing_generic_wind	energyestimg_generic_wind	2025	9	5			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2025_9	20%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
63	CEA	existing_generic_wind	energyestimg_generic_wind	2025	10	5			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2025_10	11%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
64	CEA	existing_generic_wind	energyestimg_generic_wind	2025	11	5			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2025_11	16%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
65	CEA	existing_generic_wind	energyestimg_generic_wind	2025	12	5			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2025_12	17%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
66	CEA	existing_generic_wind	energyestimg_generic_wind	2026	1	2			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2026_1	21%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
67	CEA	existing_generic_wind	energyestimg_generic_wind	2026	2	2			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2026_2	18%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
68	CEA	existing_generic_wind	energyestimg_generic_wind	2026	3	2			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2026_3	41%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
69	CEA	existing_generic_wind	energyestimg_generic_wind	2026	4	2			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2026_4	27%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
70	CEA	existing_generic_wind	energyestimg_generic_wind	2026	5	2			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2026_5	37%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
71	CEA	existing_generic_wind	energyestimg_generic_wind	2026	6	2			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2026_6	48%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
72	CEA	existing_generic_wind	energyestimg_generic_wind	2026	7	2			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2026_7	34%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
73	CEA	existing_generic_wind	energyestimg_generic_wind	2026	8	2			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2026_8	31%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
74	CEA	existing_generic_wind	energyestimg_generic_wind	2026	9	2			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2026_9	22%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
75	CEA	existing_generic_wind	energyestimg_generic_wind	2026	10	2			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2026_10	12%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
76	CEA	existing_generic_wind	energyestimg_generic_wind	2026	11	2			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2026_11	18%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
77	CEA	existing_generic_wind	energyestimg_generic_wind	2026	12	2			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2026_12	19%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
78	CEA	existing_generic_wind	energyestimg_generic_wind	2027	1	3			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2027_1	21%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
79	CEA	existing_generic_wind	energyestimg_generic_wind	2027	2	3			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2027_2	18%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
80	CEA	existing_generic_wind	energyestimg_generic_wind	2027	3	3			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2027_3	41%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
81	CEA	existing_generic_wind	energyestimg_generic_wind	2027	4	3			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2027_4	27%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
82	CEA	existing_generic_wind	energyestimg_generic_wind	2027	5	3			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2027_5	37%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
83	CEA	existing_generic_wind	energyestimg_generic_wind	2027	6	3			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2027_6	48%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
84	CEA	existing_generic_wind	energyestimg_generic_wind	2027	7	3			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2027_7	34%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
85	CEA	existing_generic_wind	energyestimg_generic_wind	2027	8	3			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2027_8	31%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
86	CEA	existing_generic_wind	energyestimg_generic_wind	2027	9	3			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2027_9	22%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
87	CEA	existing_generic_wind	energyestimg_generic_wind	2027	10	3			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2027_10	12%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
88	CEA	existing_generic_wind	energyestimg_generic_wind	2027	11	3			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2027_11	18%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
89	CEA	existing_generic_wind	energyestimg_generic_wind	2027	12	3			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2027_12	19%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
90	CEA	existing_generic_wind	energyestimg_generic_wind	2028	1	4			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2028_1	21%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
91	CEA	existing_generic_wind	energyestimg_generic_wind	2028	2	4			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2028_2	18%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
92	CEA	existing_generic_wind	energyestimg_generic_wind	2028	3	4			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2028_3	41%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
93	CEA	existing_generic_wind	energyestimg_generic_wind	2028	4	4			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2028_4	27%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
94	CEA	existing_generic_wind	energyestimg_generic_wind	2028	5	4			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2028_5	37%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
95	CEA	existing_generic_wind	energyestimg_generic_wind	2028	6	4			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2028_6	48%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
96	CEA	existing_generic_wind	energyestimg_generic_wind	2028	7	4			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2028_7	34%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
97	CEA	existing_generic_wind	energyestimg_generic_wind	2028	8	4			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2028_8	31%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
98	CEA	existing_generic_wind	energyestimg_generic_wind	2028	9	4			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2028_9	22%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
99	CEA	existing_generic_wind	energyestimg_generic_wind	2028	10	4			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2028_10	12%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
100	CEA	existing_generic_wind	energyestimg_generic_wind	2028	11	4			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2028_11	18%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
101	CEA	existing_generic_wind	energyestimg_generic_wind	2028	12	4			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2028_12	19%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
102	CEA	existing_generic_wind	energyestimg_generic_wind	2029	1	4			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2029_1	21%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
103	CEA	existing_generic_wind	energyestimg_generic_wind	2029	2	4			planned_existing			0	CAISO_Wind	1	wind_low_cf	wind_low_cf_2029_2	18%	1			ok	existing_generic	1	0	existing_generic_wind_energyestimg_generic_wind_name	0	0
104	CEA	existing_generic_wind	energyestimg_generic_wind	2029	3	4			planned_existing			0	CAISO_Wind	1

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
	ka	resource	capacity_contract_id	Year	Month	contract_path	contracted_mpc_mw_if_known	mpc_flexibles_if_mpc_not_known	contract_status	storage_duration_hours	notes	max_mw	resource_type	currently_online	elcc_type	elcc_type_year_month	elcc_percent	battery_multiplier	calculated_mpc_mw (for_resources_with_no_contracted_mpc)	final_mpc_mw	test_mpc	supertype	US$ to buying energy from resource	US$ to buying capacity from resource	resource_contract_note	is_first_occurrence	create_unique_contract_index
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Ok	New_Hybrid	energyhub_hybrid_2030	2028	1	15	[redacted]	[redacted]	planned_new	4	[redacted]	100	CAISO_Hybrid	0	unknown	unknown_2028_1	0%	1	[redacted]	[redacted]	ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2028_hybrid 100 MW Solar, 50 MW Stor	0	0
3	Ok	New_Hybrid	energyhub_hybrid_2030	2028	2	17			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2028_2	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2028_hybrid 100 MW Solar, 50 MW Stor	0	0
4	Ok	New_Hybrid	energyhub_hybrid_2030	2028	3	24			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2028_3	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2028_hybrid 100 MW Solar, 50 MW Stor	0	0
5	Ok	New_Hybrid	energyhub_hybrid_2030	2028	4	26			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2028_4	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2028_hybrid 100 MW Solar, 50 MW Stor	0	0
6	Ok	New_Hybrid	energyhub_hybrid_2030	2028	5	28			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2028_5	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2028_hybrid 100 MW Solar, 50 MW Stor	0	0
7	Ok	New_Hybrid	energyhub_hybrid_2030	2028	6	28			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2028_6	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2028_hybrid 100 MW Solar, 50 MW Stor	0	0
8	Ok	New_Hybrid	energyhub_hybrid_2030	2028	7	27			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2028_7	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2028_hybrid 100 MW Solar, 50 MW Stor	0	0
9	Ok	New_Hybrid	energyhub_hybrid_2030	2028	8	26			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2028_8	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2028_hybrid 100 MW Solar, 50 MW Stor	0	0
10	Ok	New_Hybrid	energyhub_hybrid_2030	2028	9	23			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2028_9	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2028_hybrid 100 MW Solar, 50 MW Stor	0	0
11	Ok	New_Hybrid	energyhub_hybrid_2030	2028	10	20			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2028_10	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2028_hybrid 100 MW Solar, 50 MW Stor	0	0
12	Ok	New_Hybrid	energyhub_hybrid_2030	2028	11	16			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2028_11	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2028_hybrid 100 MW Solar, 50 MW Stor	0	0
13	Ok	New_Hybrid	energyhub_hybrid_2030	2028	12	14			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2028_12	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2028_hybrid 100 MW Solar, 50 MW Stor	0	0
14	Ok	New_Hybrid	energyhub_hybrid_2030	2029	1	15			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2029_1	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2029_hybrid 100 MW Solar, 50 MW Stor	0	0
15	Ok	New_Hybrid	energyhub_hybrid_2030	2029	2	17			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2029_2	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2029_hybrid 100 MW Solar, 50 MW Stor	0	0
16	Ok	New_Hybrid	energyhub_hybrid_2030	2029	3	24			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2029_3	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2029_hybrid 100 MW Solar, 50 MW Stor	0	0
17	Ok	New_Hybrid	energyhub_hybrid_2030	2029	4	26			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2029_4	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2029_hybrid 100 MW Solar, 50 MW Stor	0	0
18	Ok	New_Hybrid	energyhub_hybrid_2030	2029	5	28			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2029_5	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2029_hybrid 100 MW Solar, 50 MW Stor	0	0
19	Ok	New_Hybrid	energyhub_hybrid_2030	2029	6	28			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2029_6	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2029_hybrid 100 MW Solar, 50 MW Stor	0	0
20	Ok	New_Hybrid	energyhub_hybrid_2030	2029	7	27			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2029_7	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2029_hybrid 100 MW Solar, 50 MW Stor	0	0
21	Ok	New_Hybrid	energyhub_hybrid_2030	2029	8	26			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2029_8	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2029_hybrid 100 MW Solar, 50 MW Stor	0	0
22	Ok	New_Hybrid	energyhub_hybrid_2030	2029	9	23			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2029_9	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2029_hybrid 100 MW Solar, 50 MW Stor	0	0
23	Ok	New_Hybrid	energyhub_hybrid_2030	2029	10	20			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2029_10	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2029_hybrid 100 MW Solar, 50 MW Stor	0	0
24	Ok	New_Hybrid	energyhub_hybrid_2030	2029	11	16			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2029_11	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2029_hybrid 100 MW Solar, 50 MW Stor	0	0
25	Ok	New_Hybrid	energyhub_hybrid_2030	2029	12	14			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2029_12	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2029_hybrid 100 MW Solar, 50 MW Stor	0	0
26	Ok	New_Hybrid	energyhub_hybrid_2030	2030	1	15			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2030_1	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2030_hybrid 100 MW Solar, 50 MW Stor	0	0
27	Ok	New_Hybrid	energyhub_hybrid_2030	2030	2	17			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2030_2	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2030_hybrid 100 MW Solar, 50 MW Stor	0	0
28	Ok	New_Hybrid	energyhub_hybrid_2030	2030	3	24			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2030_3	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2030_hybrid 100 MW Solar, 50 MW Stor	0	0
29	Ok	New_Hybrid	energyhub_hybrid_2030	2030	4	26			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2030_4	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2030_hybrid 100 MW Solar, 50 MW Stor	0	0
30	Ok	New_Hybrid	energyhub_hybrid_2030	2030	5	28			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2030_5	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2030_hybrid 100 MW Solar, 50 MW Stor	0	0
31	Ok	New_Hybrid	energyhub_hybrid_2030	2030	6	28			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2030_6	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2030_hybrid 100 MW Solar, 50 MW Stor	0	0
32	Ok	New_Hybrid	energyhub_hybrid_2030	2030	7	27			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2030_7	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2030_hybrid 100 MW Solar, 50 MW Stor	0	0
33	Ok	New_Hybrid	energyhub_hybrid_2030	2030	8	26			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2030_8	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2030_hybrid 100 MW Solar, 50 MW Stor	0	0
34	Ok	New_Hybrid	energyhub_hybrid_2030	2030	9	23			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2030_9	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2030_hybrid 100 MW Solar, 50 MW Stor	0	0
35	Ok	New_Hybrid	energyhub_hybrid_2030	2030	10	20			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2030_10	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2030_hybrid 100 MW Solar, 50 MW Stor	0	0
36	Ok	New_Hybrid	energyhub_hybrid_2030	2030	11	16			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2030_11	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2030_hybrid 100 MW Solar, 50 MW Stor	0	0
37	Ok	New_Hybrid	energyhub_hybrid_2030	2030	12	14			planned_new	4		100	CAISO_Hybrid	0	unknown	unknown_2030_12	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2030_hybrid 100 MW Solar, 50 MW Stor	0	0
38	Ok	New_Hybrid	energyhub_hybrid_2026	2026	1	8			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2026_1	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2026_hybrid 50 MW Solar, 25 MW Stora	1	12
39	Ok	New_Hybrid	energyhub_hybrid_2026	2026	2	9			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2026_2	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2026_hybrid 50 MW Solar, 25 MW Stora	0	0
40	Ok	New_Hybrid	energyhub_hybrid_2026	2026	3	12			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2026_3	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2026_hybrid 50 MW Solar, 25 MW Stora	0	0
41	Ok	New_Hybrid	energyhub_hybrid_2026	2026	4	13			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2026_4	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2026_hybrid 50 MW Solar, 25 MW Stora	0	0
42	Ok	New_Hybrid	energyhub_hybrid_2026	2026	5	16			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2026_5	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2026_hybrid 50 MW Solar, 25 MW Stora	0	0
43	Ok	New_Hybrid	energyhub_hybrid_2026	2026	6	16			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2026_6	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2026_hybrid 50 MW Solar, 25 MW Stora	0	0
44	Ok	New_Hybrid	energyhub_hybrid_2026	2026	7	15			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2026_7	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2026_hybrid 50 MW Solar, 25 MW Stora	0	0
45	Ok	New_Hybrid	energyhub_hybrid_2026	2026	8	13			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2026_8	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2026_hybrid 50 MW Solar, 25 MW Stora	0	0
46	Ok	New_Hybrid	energyhub_hybrid_2026	2026	9	10			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2026_9	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2026_hybrid 50 MW Solar, 25 MW Stora	0	0
47	Ok	New_Hybrid	energyhub_hybrid_2026	2026	10	10			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2026_10	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2026_hybrid 50 MW Solar, 25 MW Stora	0	0
48	Ok	New_Hybrid	energyhub_hybrid_2026	2026	11	8			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2026_11	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2026_hybrid 50 MW Solar, 25 MW Stora	0	0
49	Ok	New_Hybrid	energyhub_hybrid_2026	2026	12	7			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2026_12	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2026_hybrid 50 MW Solar, 25 MW Stora	0	0
50	Ok	New_Hybrid	energyhub_hybrid_2027	1	8	8			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2027_1	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2027_hybrid 50 MW Solar, 25 MW Stora	0	0
51	Ok	New_Hybrid	energyhub_hybrid_2027	2027	2	9			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2027_2	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2027_hybrid 50 MW Solar, 25 MW Stora	0	0
52	Ok	New_Hybrid	energyhub_hybrid_2027	2027	3	12			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2027_3	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2027_hybrid 50 MW Solar, 25 MW Stora	0	0
53	Ok	New_Hybrid	energyhub_hybrid_2027	2027	4	13			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2027_4	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2027_hybrid 50 MW Solar, 25 MW Stora	0	0
54	Ok	New_Hybrid	energyhub_hybrid_2027	2027	5	16			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2027_5	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2027_hybrid 50 MW Solar, 25 MW Stora	0	0
55	Ok	New_Hybrid	energyhub_hybrid_2027	2027	6	16			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2027_6	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2027_hybrid 50 MW Solar, 25 MW Stora	0	0
56	Ok	New_Hybrid	energyhub_hybrid_2027	2027	7	15			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2027_7	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2027_hybrid 50 MW Solar, 25 MW Stora	0	0
57	Ok	New_Hybrid	energyhub_hybrid_2027	2027	8	13			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2027_8	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2027_hybrid 50 MW Solar, 25 MW Stora	0	0
58	Ok	New_Hybrid	energyhub_hybrid_2027	2027	9	11			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2027_9	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2027_hybrid 50 MW Solar, 25 MW Stora	0	0
59	Ok	New_Hybrid	energyhub_hybrid_2027	2027	10	10			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2027_10	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2027_hybrid 50 MW Solar, 25 MW Stora	0	0
60	Ok	New_Hybrid	energyhub_hybrid_2027	2027	11	8			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2027_11	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2027_hybrid 50 MW Solar, 25 MW Stora	0	0
61	Ok	New_Hybrid	energyhub_hybrid_2027	2027	12	7			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2027_12	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2027_hybrid 50 MW Solar, 25 MW Stora	0	0
62	Ok	New_Hybrid	energyhub_hybrid_2028	1	8	8			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2028_1	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2028_hybrid 50 MW Solar, 25 MW Stora	0	0
63	Ok	New_Hybrid	energyhub_hybrid_2028	2028	2	9			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2028_2	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2028_hybrid 50 MW Solar, 25 MW Stora	0	0
64	Ok	New_Hybrid	energyhub_hybrid_2028	2028	3	12			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2028_3	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2028_hybrid 50 MW Solar, 25 MW Stora	0	0
65	Ok	New_Hybrid	energyhub_hybrid_2028	2028	4	13			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2028_4	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2028_hybrid 50 MW Solar, 25 MW Stora	0	0
66	Ok	New_Hybrid	energyhub_hybrid_2028	2028	5	16			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2028_5	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2028_hybrid 50 MW Solar, 25 MW Stora	0	0
67	Ok	New_Hybrid	energyhub_hybrid_2028	2028	6	16			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2028_6	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2028_hybrid 50 MW Solar, 25 MW Stora	0	0
68	Ok	New_Hybrid	energyhub_hybrid_2028	2028	7	15			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2028_7	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2028_hybrid 50 MW Solar, 25 MW Stora	0	0
69	Ok	New_Hybrid	energyhub_hybrid_2028	2028	8	13			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2028_8	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2028_hybrid 50 MW Solar, 25 MW Stora	0	0
70	Ok	New_Hybrid	energyhub_hybrid_2028	2028	9	11			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2028_9	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2028_hybrid 50 MW Solar, 25 MW Stora	0	0
71	Ok	New_Hybrid	energyhub_hybrid_2028	2028	10	10			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2028_10	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2028_hybrid 50 MW Solar, 25 MW Stora	0	0
72	Ok	New_Hybrid	energyhub_hybrid_2028	2028	11	8			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2028_11	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2028_hybrid 50 MW Solar, 25 MW Stora	0	0
73	Ok	New_Hybrid	energyhub_hybrid_2028	2028	12	7			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2028_12	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2028_hybrid 50 MW Solar, 25 MW Stora	0	0
74	Ok	New_Hybrid	energyhub_hybrid_2029	1	8	8			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2029_1	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2029_hybrid 50 MW Solar, 25 MW Stora	0	0
75	Ok	New_Hybrid	energyhub_hybrid_2029	2029	2	9			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2029_2	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2029_hybrid 50 MW Solar, 25 MW Stora	0	0
76	Ok	New_Hybrid	energyhub_hybrid_2029	2029	3	12			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2029_3	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2029_hybrid 50 MW Solar, 25 MW Stora	0	0
77	Ok	New_Hybrid	energyhub_hybrid_2029	2029	4	13			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2029_4	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2029_hybrid 50 MW Solar, 25 MW Stora	0	0
78	Ok	New_Hybrid	energyhub_hybrid_2029	2029	5	16			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2029_5	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2029_hybrid 50 MW Solar, 25 MW Stora	0	0
79	Ok	New_Hybrid	energyhub_hybrid_2029	2029	6	16			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2029_6	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2029_hybrid 50 MW Solar, 25 MW Stora	0	0
80	Ok	New_Hybrid	energyhub_hybrid_2029	2029	7	15			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2029_7	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2029_hybrid 50 MW Solar, 25 MW Stora	0	0
81	Ok	New_Hybrid	energyhub_hybrid_2029	2029	8	13			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2029_8	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2029_hybrid 50 MW Solar, 25 MW Stora	0	0
82	Ok	New_Hybrid	energyhub_hybrid_2029	2029	9	11			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2029_9	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2029_hybrid 50 MW Solar, 25 MW Stora	0	0
83	Ok	New_Hybrid	energyhub_hybrid_2029	2029	10	10			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2029_10	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2029_hybrid 50 MW Solar, 25 MW Stora	0	0
84	Ok	New_Hybrid	energyhub_hybrid_2029	2029	11	8			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2029_11	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2029_hybrid 50 MW Solar, 25 MW Stora	0	0
85	Ok	New_Hybrid	energyhub_hybrid_2029	2029	12	7			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2029_12	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2029_hybrid 50 MW Solar, 25 MW Stora	0	0
86	Ok	New_Hybrid	energyhub_hybrid_2030	1	8	8			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2030_1	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2030_hybrid 50 MW Solar, 25 MW Stora	0	0
87	Ok	New_Hybrid	energyhub_hybrid_2030	2030	2	9			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2030_2	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2030_hybrid 50 MW Solar, 25 MW Stora	0	0
88	Ok	New_Hybrid	energyhub_hybrid_2030	2030	3	12			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2030_3	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2030_hybrid 50 MW Solar, 25 MW Stora	0	0
89	Ok	New_Hybrid	energyhub_hybrid_2030	2030	4	13			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2030_4	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2030_hybrid 50 MW Solar, 25 MW Stora	0	0
90	Ok	New_Hybrid	energyhub_hybrid_2030	2030	5	16			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2030_5	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2030_hybrid 50 MW Solar, 25 MW Stora	0	0
91	Ok	New_Hybrid	energyhub_hybrid_2030	2030	6	16			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2030_6	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2030_hybrid 50 MW Solar, 25 MW Stora	0	0
92	Ok	New_Hybrid	energyhub_hybrid_2030	2030	7	15			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2030_7	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2030_hybrid 50 MW Solar, 25 MW Stora	0	0
93	Ok	New_Hybrid	energyhub_hybrid_2030	2030	8	13			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2030_8	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2030_hybrid 50 MW Solar, 25 MW Stora	0	0
94	Ok	New_Hybrid	energyhub_hybrid_2030	2030	9	11			planned_new	4		50	CAISO_Hybrid	0	unknown	unknown_2030_9	0%	1			ok	new_resolve	1	1	e_hybrid_energyhub_hybrid_2030_hybrid 50 M

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
	ke	resource	opsc_contract_id	Year	Month	contract_gwh	contracted_mw_mw_if known	mw_facilities_if mw not known	contract_status	storage_duration_hours	notes	max_mw	resource_type	currently_online	elcc_type	elcc_type_year_month	elcc_percent	battery_multiplier	calculated_nqc_mw (for_resources_wh h_no_contracted_is 0)	final_nqc_mw	test_nqc	supertype	LSE is buying energy from resource	LSE is buying capacity from resource	resource_contract_note	is_first_occurrence	create_unique_contract_index
1	CIA	[redacted]		2026	6	0	[redacted]		planned_new	8	[redacted]			0			97%	1	[redacted]		ok	new_resoiuce	0	1	[redacted]	0	0
2	CIA			2026	7	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
3	CIA			2026	8	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
4	CIA			2026	9	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
5	CIA			2026	10	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
6	CIA			2026	11	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
7	CIA			2026	12	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
8	CIA			2027	1	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
9	CIA			2027	2	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
10	CIA			2027	3	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
11	CIA			2027	4	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
12	CIA			2027	5	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
13	CIA			2027	6	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
14	CIA			2027	7	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
15	CIA			2027	8	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
16	CIA			2027	9	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
17	CIA			2027	10	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
18	CIA			2027	11	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
19	CIA			2027	12	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
20	CIA			2028	1	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
21	CIA			2028	2	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
22	CIA			2028	3	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
23	CIA			2028	4	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
24	CIA			2028	5	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
25	CIA			2028	6	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
26	CIA			2028	7	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
27	CIA			2028	8	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
28	CIA			2028	9	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
29	CIA			2028	10	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
30	CIA			2028	11	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
31	CIA			2028	12	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
32	CIA			2029	1	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
33	CIA			2029	2	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
34	CIA			2029	3	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
35	CIA			2029	4	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
36	CIA			2029	5	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
37	CIA			2029	6	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
38	CIA			2029	7	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
39	CIA			2029	8	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
40	CIA			2029	9	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
41	CIA			2029	10	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
42	CIA			2029	11	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
43	CIA			2029	12	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
44	CIA			2030	1	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
45	CIA			2030	2	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
46	CIA			2030	3	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
47	CIA			2030	4	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
48	CIA			2030	5	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
49	CIA			2030	6	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
50	CIA			2030	7	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
51	CIA			2030	8	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
52	CIA			2030	9	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
53	CIA			2030	10	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
54	CIA			2030	11	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
55	CIA			2030	12	0			planned_new	8				0			97%	1			ok	new_resoiuce	0	1		0	0
56	CIA	existing_generic_unknown	rasolyexisting_generic_unknown	2021	1	0			planned_existing			0	CASO_Unknown	1	unknown	unknown_2021_2	0%	1			ok	existing_generic	0	0	ers_rasolyexisting_generic_unknown_Generic-resource-adequacy_Stan	1	24
57	CIA	existing_generic_unknown	rasolyexisting_generic_unknown	2021	2	0			planned_existing			0	CASO_Unknown	1	unknown	unknown_2021_2	0%	1			ok	existing_generic	0	0	ers_rasolyexisting_generic_unknown_Generic-resource-adequacy_Stan	0	0
58	CIA	existing_generic_unknown	rasolyexisting_generic_unknown	2021	3	0			planned_existing			0	CASO_Unknown	1	unknown	unknown_2021_3	0%	1			ok	existing_generic	0	0	ers_rasolyexisting_generic_unknown_Generic-resource-adequacy_Stan	0	0
59	CIA	existing_generic_unknown	rasolyexisting_generic_unknown	2021	4	0			planned_existing			0	CASO_Unknown	1	unknown	unknown_2021_3	0%	1			ok	existing_generic	0	0		0	0
60	CIA			2021	5	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
61	CIA			2021	6	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
62	CIA			2021	7	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
63	CIA			2021	8	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
64	CIA			2021	9	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
65	CIA			2021	10	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
66	CIA			2021	11	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
67	CIA			2021	12	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
68	CIA			2022	1	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
69	CIA			2022	2	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
70	CIA			2022	3	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
71	CIA			2022	4	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
72	CIA			2022	5	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
73	CIA			2022	6	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
74	CIA			2022	7	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
75	CIA			2022	8	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
76	CIA			2022	9	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
77	CIA			2022	10	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
78	CIA			2022	11	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
79	CIA			2022	12	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
80	CIA			2023	1	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
81	CIA			2023	2	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
82	CIA			2023	3	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
83	CIA			2023	4	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
84	CIA			2023	5	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
85	CIA			2023	6	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
86	CIA			2023	7	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
87	CIA			2023	8	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
88	CIA			2023	9	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
89	CIA			2023	10	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
90	CIA			2023	11	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
91	CIA			2023	12	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
92	CIA			2024	1	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
93	CIA			2024	2	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
94	CIA			2024	3	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
95	CIA			2024	4	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
96	CIA			2024	5	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
97	CIA			2024	6	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
98	CIA			2024	7	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
99	CIA			2024	8	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
100	CIA			2024	9	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
101	CIA			2024	10	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
102	CIA			2024	11	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
103	CIA			2024	12	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
104	CIA			2025	1	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
105	CIA			2025	2	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
106	CIA			2025	3	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
107	CIA			2025	4	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
108	CIA			2025	5	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
109	CIA			2025	6	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
110	CIA			2025	7	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
111	CIA			2025	8	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
112	CIA			2025	9	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
113	CIA			2025	10	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
114	CIA			2025	11	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
115	CIA			2025	12	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
116	CIA			2026	1	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
117	CIA			2026	2	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
118	CIA			2026	3	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
119	CIA			2026	4	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
120	CIA			2026	5	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
121	CIA			2026	6	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
122	CIA			2026	7	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
123	CIA			2026	8	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
124	CIA			2026	9	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
125	CIA			2026	10	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
126	CIA			2026	11	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
127	CIA			2026	12	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
128	CIA			2027	1	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
129	CIA			2027	2	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
130	CIA			2027	3	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
131	CIA			2027	4	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
132	CIA			2027	5	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
133	CIA			2027	6	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
134	CIA			2027	7	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
135	CIA			2027	8	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
136	CIA			2027	9	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
137	CIA			2027	10	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
138	CIA			2027	11	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
139	CIA			2027	12	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
140	CIA			2028	1	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
141	CIA			2028	2	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
142	CIA			2028	3	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
143	CIA			2028	4	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
144	CIA			2028	5	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
145	CIA			2028	6	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
146	CIA			2028	7	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
147	CIA			2028	8	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
148	CIA			2028	9	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
149	CIA			2028	10	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
150	CIA			2028	11	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
151	CIA			2028	12	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
152	CIA			2029	1	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
153	CIA			2029	2	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
154	CIA			2029	3	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
155	CIA			2029	4	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
156	CIA			2029	5	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
157	CIA			2029	6	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
158	CIA			2029	7	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
159	CIA			2029	8	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
160	CIA			2029	9	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
161	CIA			2029	10	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
162	CIA			2029	11	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
163	CIA			2029	12	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
164	CIA			2030	1	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
165	CIA			2030	2	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
166	CIA			2030	3	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
167	CIA			2030	4	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
168	CIA			2030	5	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
169	CIA			2030	6	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
170	CIA			2030	7	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
171	CIA			2030	8	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
172	CIA			2030	9	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
173	CIA			2030	10	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
174	CIA			2030	11	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
175	CIA			2030	12	0			planned_existing					1			0%	1			ok	existing_generic	0	0		0	0
176	CIA			2021	1	0			online			0	blended	1	unknown	unknown_2021_2	0%	1			ok	special	0	0	ers_rasolyBDS&E CIM/DSR Allocation_CAM and Demand Response Allo	1	16
177	CIA	blended	rasolyBDS&E CIM/DSR Allocation	2021	2	0			online			0	blended	1	unknown	unknown_2021_2	0%	1			ok	special	0	0	ed_rasolyBDS&E CIM/DSR Allocation_CAM and Demand Response Allo	0	0
178	CIA	blended	rasolyBDS&E CIM/DSR Allocation	2021	3	0			online			0	blended	1	unknown	unknown_2021_3	0%	1			ok	special	0	0	ed_rasolyBDS&E CIM/DSR Allocation_CAM and Demand Response Allo	0	0
179	CIA	blended	rasolyBDS&E CIM/DSR Allocation	2021	4	0			online			0	blended	1	unknown	unknown_2021_3	0%	1			ok	special	0	0	ed_rasolyBDS&E CIM/DSR Allocation_CAM and Demand Response Allo	0	0
180	CIA	[redacted]		2021	5	0	[redacted]		online		[redacted]			1	[redacted]		0%	1	[redacted]		ok	special	0		[redacted]	0	0
181	CIA			2021	6	0			online					1			0%	1			ok	special	0			0	0
182	CIA			2021	7	0			online					1			0%	1			ok	special	0			0	0
183	CIA			2021	8	0			online					1			0%	1			ok	special	0			0	0
184	CIA			2021	9	0			online					1			0%	1			ok	special	0			0	0
185	CIA			2021	10	0			online					1			0%	1			ok	special	0			0	0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
	ke	resource	opsc_contract_id	Year	Month	contract_gwh	contracted_mpc_mw_if_known	mpc_facilities_if_mp_not_known	contract_status	storage_duration_hours	notes	max_mw	resource_type	currently_online	elcc_type	elcc_type_year_month	elcc_percent	battery_multiplier	calculated_nqc_mw_for_resources_with_no_contracted_nqc	final_nqc_mw	test_nqc	supertype	LSE is buying energy from resource	LSE is buying capacity from resource	resource_contract_note	is_first_occurrence	create_unique_contract_index
1	cla	[redacted]		2021	11	0	[redacted]		online		[redacted]			1	[redacted]		0%	1	[redacted]	[redacted]	ok	special	0		[redacted]	0	0
2	cla			2021	12	0			online					1			0%	1			ok	special	0			0	0
3	cla			2022	1	0			online					1			0%	1			ok	special	0			0	0
4	cla			2022	2	0			online					1			0%	1			ok	special	0			0	0
5	cla			2022	3	0			online					1			0%	1			ok	special	0			0	0
6	cla			2022	4	0			online					1			0%	1			ok	special	0			0	0
7	cla			2022	5	0			online					1			0%	1			ok	special	0			0	0
8	cla			2022	6	0			online					1			0%	1			ok	special	0			0	0
9	cla			2022	7	0			online					1			0%	1			ok	special	0			0	0
10	cla			2022	8	0			online					1			0%	1			ok	special	0			0	0
11	cla			2022	9	0			online					1			0%	1			ok	special	0			0	0
12	cla			2022	10	0			online					1			0%	1			ok	special	0			0	0
13	cla			2022	11	0			online					1			0%	1			ok	special	0			0	0
14	cla			2022	12	0			online					1			0%	1			ok	special	0			0	0
15	cla			2023	1	0			online					1			0%	1			ok	special	0			0	0
16	cla			2023	2	0			online					1			0%	1			ok	special	0			0	0
17	cla			2023	3	0			online					1			0%	1			ok	special	0			0	0
18	cla			2023	4	0			online					1			0%	1			ok	special	0			0	0
19	cla			2023	5	0			online					1			0%	1			ok	special	0			0	0
20	cla			2023	6	0			online					1			0%	1			ok	special	0			0	0
21	cla			2023	7	0			online					1			0%	1			ok	special	0			0	0
22	cla			2023	8	0			online					1			0%	1			ok	special	0			0	0
23	cla			2023	9	0			online					1			0%	1			ok	special	0			0	0
24	cla			2023	10	0			online					1			0%	1			ok	special	0			0	0
25	cla			2023	11	0			online					1			0%	1			ok	special	0			0	0
26	cla			2023	12	0			online					1			0%	1			ok	special	0			0	0
27	cla			2024	1	0			online					1			0%	1			ok	special	0			0	0
28	cla			2024	2	0			online					1			0%	1			ok	special	0			0	0
29	cla			2024	3	0			online					1			0%	1			ok	special	0			0	0
30	cla			2024	4	0			online					1			0%	1			ok	special	0			0	0
31	cla			2024	5	0			online					1			0%	1			ok	special	0			0	0
32	cla			2024	6	0			online					1			0%	1			ok	special	0			0	0
33	cla			2024	7	0			online					1			0%	1			ok	special	0			0	0
34	cla			2024	8	0			online					1			0%	1			ok	special	0			0	0
35	cla			2024	9	0			online					1			0%	1			ok	special	0			0	0
36	cla			2024	10	0			online					1			0%	1			ok	special	0			0	0
37	cla			2024	11	0			online					1			0%	1			ok	special	0			0	0
38	cla			2024	12	0			online					1			0%	1			ok	special	0			0	0
39	cla			2025	1	0			online					1			0%	1			ok	special	0			0	0
40	cla			2025	2	0			online					1			0%	1			ok	special	0			0	0
41	cla			2025	3	0			online					1			0%	1			ok	special	0			0	0
42	cla			2025	4	0			online					1			0%	1			ok	special	0			0	0
43	cla			2025	5	0			online					1			0%	1			ok	special	0			0	0
44	cla			2025	6	0			online					1			0%	1			ok	special	0			0	0
45	cla			2025	7	0			online					1			0%	1			ok	special	0			0	0
46	cla			2025	8	0			online					1			0%	1			ok	special	0			0	0
47	cla			2025	9	0			online					1			0%	1			ok	special	0			0	0
48	cla			2025	10	0			online					1			0%	1			ok	special	0			0	0
49	cla			2025	11	0			online					1			0%	1			ok	special	0			0	0
50	cla			2025	12	0			online					1			0%	1			ok	special	0			0	0
51	cla			2026	1	0			online					1			0%	1			ok	special	0			0	0
52	cla			2026	2	0			online					1			0%	1			ok	special	0			0	0
53	cla			2026	3	0			online					1			0%	1			ok	special	0			0	0
54	cla			2026	4	0			online					1			0%	1			ok	special	0			0	0
55	cla			2026	5	0			online					1			0%	1			ok	special	0			0	0
56	cla			2026	6	0			online					1			0%	1			ok	special	0			0	0
57	cla			2026	7	0			online					1			0%	1			ok	special	0			0	0
58	cla			2026	8	0			online					1			0%	1			ok	special	0			0	0
59	cla			2026	9	0			online					1			0%	1			ok	special	0			0	0
60	cla			2026	10	0			online					1			0%	1			ok	special	0			0	0
61	cla			2026	11	0			online					1			0%	1			ok	special	0			0	0
62	cla			2026	12	0			online					1			0%	1			ok	special	0			0	0
63	cla			2027	1	0			online					1			0%	1			ok	special	0			0	0
64	cla			2027	2	0			online					1			0%	1			ok	special	0			0	0
65	cla			2027	3	0			online					1			0%	1			ok	special	0			0	0
66	cla			2027	4	0			online					1			0%	1			ok	special	0			0	0
67	cla			2027	5	0			online					1			0%	1			ok	special	0			0	0
68	cla			2027	6	0			online					1			0%	1			ok	special	0			0	0
69	cla			2027	7	0			online					1			0%	1			ok	special	0			0	0
70	cla			2027	8	0			online					1			0%	1			ok	special	0			0	0
71	cla			2027	9	0			online					1			0%	1			ok	special	0			0	0
72	cla			2027	10	0			online					1			0%	1			ok	special	0			0	0
73	cla			2027	11	0			online					1			0%	1			ok	special	0			0	0
74	cla			2027	12	0			online					1			0%	1			ok	special	0			0	0
75	cla			2028	1	0			online					1			0%	1			ok	special	0			0	0
76	cla			2028	2	0			online					1			0%	1			ok	special	0			0	0
77	cla			2028	3	0			online					1			0%	1			ok	special	0			0	0
78	cla			2028	4	0			online					1			0%	1			ok	special	0			0	0
79	cla			2028	5	0			online					1			0%	1			ok	special	0			0	0
80	cla			2028	6	0			online					1			0%	1			ok	special	0			0	0
81	cla			2028	7	0			online					1			0%	1			ok	special	0			0	0
82	cla			2028	8	0			online					1			0%	1			ok	special	0			0	0
83	cla			2028	9	0			online					1			0%	1			ok	special	0			0	0
84	cla			2028	10	0			online					1			0%	1			ok	special	0			0	0
85	cla			2028	11	0			online					1			0%	1			ok	special	0			0	0
86	cla			2028	12	0			online					1			0%	1			ok	special	0			0	0
87	cla			2029	1	0			online					1			0%	1			ok	special	0			0	0
88	cla			2029	2	0			online					1			0%	1			ok	special	0			0	0
89	cla			2029	3	0			online					1			0%	1			ok	special	0			0	0
90	cla			2029	4	0			online					1			0%	1			ok	special	0			0	0
91	cla			2029	5	0			online					1			0%	1			ok	special	0			0	0
92	cla			2029	6	0			online					1			0%	1			ok	special	0			0	0
93	cla			2029	7	0			online					1			0%	1			ok	special	0			0	0
94	cla			2029	8	0			online					1			0%	1			ok	special	0			0	0
95	cla			2029	9	0			online					1			0%	1			ok	special	0			0	0
96	cla			2029	10	0			online					1			0%	1			ok	special	0			0	0
97	cla			2029	11	0			online					1			0%	1			ok	special	0			0	0
98	cla			2029	12	0			online					1			0%	1			ok	special	0			0	0
99	cla			2030	1	0			online					1			0%	1			ok	special	0			0	0
100	cla			2030	2	0			online					1			0%	1			ok	special	0			0	0
101	cla			2030	3	0			online					1			0%	1			ok	special	0			0	0
102	cla			2030	4	0			online					1			0%	1			ok	special	0			0	0
103	cla			2030	5	0			online					1			0%	1			ok	special	0			0	0
104	cla			2030	6	0			online					1			0%	1			ok	special	0			0	0
105	cla			2030	7	0			online					1			0%	1			ok	special	0			0	0
106	cla			2030	8	0			online					1			0%	1			ok	special	0			0	0
107	cla			2030	9	0			online					1			0%	1			ok	special	0			0	0
108	cla			2030	10	0			online					1			0%	1			ok	special	0			0	0
109	cla			2030	11	0			online					1			0%	1			ok	special	0			0	0
110	cla			2030	12	0			online					1			0%	1			ok	special	0			0	0
111	cla			2027	8	0			review	2				0			100%	0.5			ok	new_resolve	0			1	1
112	cla			2027	9	0			review	2				0			100%	0.5			ok	new_resolve	0			0	0
113	cla			2027	10	0			review	2				0			100%	0.5			ok	new_resolve	0			0	0
114	cla			2027	11	0			review	2				0			100%	0.5			ok	new_resolve	0			0	0
115	cla			2027	12	0			review	2				0			100%	0.5			ok	new_resolve	0			0	0
116	cla			2023	1	0			review	2				0			100%	0.5			ok	new_resolve	0			0	0
117	cla			2023	2	0			review	2				0			100%	0.5			ok	new_resolve	0			0	0
118	cla			2023	3	0			review	2				0			100%	0.5			ok	new_resolve	0			0	0
119	cla			2023	4	0			review	2				0			100%	0.5			ok	new_resolve	0			0	0
120	cla			2023	5	0			review	2				0			100%	0.5			ok	new_resolve	0			0	0
121	cla			2023	6	0			review	2				0			100%	0.5			ok	new_resolve	0			0	0
122	cla			2023	7	0			review	2				0			100%	0.5			ok	new_resolve	0			0	0
123	cla			2023	8	0			review	2				0			100%	0.5			ok	new_resolve	0			0	0
124	cla			2023	9	0			review	2				0			100%	0.5			ok	new_resolve	0			0	0
125	cla			2023	10	0			review	2				0			100%	0.5			ok	new_resolve	0			0	0
126	cla			2023	11	0			review	2				0			100%	0.5			ok	new_resolve	0			0	0
127	cla			2023	12	0			review	2				0			100%	0.5			ok	new_resolve	0			0	0
128	cla			2024	1	0			review	2				0			100%	0.5			ok	new_resolve	0			0	0
129	cla			2024	2	0			review	2				0			100%	0.5			ok	new_resolve	0			0	0
130	cla			2024	3	0			review	2				0			100%	0.5			ok	new_resolve	0			0	0
131	cla			2024	4	0			review	2				0			100%	0.5			ok	new_resolve	0			0	0
132	cla			2024	5	0			review	2				0			100%	0.5			ok	new_resolve	0			0	0
133	cla			2024	6	0			review	2				0			100%	0.5			ok	new_resolve	0			0	0
134	cla			2024	7	0			review	2				0			100%	0.5			ok	new_resolve	0			0	0
135	cla			2024	8	0			review	2				0			100%	0.5			ok	new_resolve	0			0	0
136	cla			2024	9	0			review	2				0			100%	0.5			ok	new_resolve	0			0	0
137	cla			2024	10	0			review	2				0			100%	0.5			ok	new_resolve	0			0	0
138	cla			2024	11	0			review	2				0			100%	0.5			ok	new_resolve	0			0	0
139	cla			2024	12	0			review	2				0			100%	0.5			ok	new_resolve	0			0	0
140	cla			2025	1	0			review	2				0			98%	0.5			ok	new_resolve	0			0	0
141	cla			2025	2	0			review	2				0			98%	0.5			ok	new_resolve	0			0	0
142	cla			2025	3	0			review	2				0			98%	0.5			ok	new_resolve	0			0	0
143	cla			2025	4	0			review	2				0			98%	0.5			ok	new_resolve	0			0	0
144	cla			2025	5	0			review	2				0			98%	0.5			ok	new_resolve	0			0	0
145	cla			2025	6	0			review	2				0			98%	0.5			ok	new_resolve	0			0	0
146	cla			2025	7	0			review	2				0			98%	0.5			ok	new_resolve	0			0	0
147	cla			2025	8	0			review	2				0			98%	0.5			ok	new_resolve	0			0	0
148	cla			2025	9	0			review	2				0			98%	0.5			ok	new_resolve	0			0	0
149	cla			2025	10	0			review	2				0			98%	0.5			ok	new_resolve	0			0	0
150	cla			2025	11	0			review	2				0			98%	0.5			ok	new_resolve	0			0	0
151	cla			2025	12	0			review	2				0			98%	0.5			ok	new_resolve	0			0	0
152	cla			2026	1	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
153	cla			2026	2	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
154	cla			2026	3	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
155	cla			2026	4	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
156	cla			2026	5	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
157	cla			2026	6	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
158	cla			2026	7	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
159	cla			2026	8	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
160	cla			2026	9	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
161	cla			2026	10	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
162	cla			2026	11	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
163	cla			2026	12	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
164	cla			2027	1	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
165	cla			2027	2	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
166	cla			2027	3	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
167	cla			2027	4	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
168	cla			2027	5	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
169	cla			2027	6	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
170	cla			2027	7	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
171	cla			2027	8	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
172	cla			2027	9	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
173	cla			2027	10	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
174	cla			2027	11	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
175	cla			2027	12	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
176	cla			2028	1	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
177	cla			2028	2	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
178	cla			2028	3	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
179	cla			2028	4	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
180	cla			2028	5	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
181	cla			2028	6	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
182	cla			2028	7	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
183	cla			2028	8	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
184	cla			2028	9	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
185	cla			2028	10	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
	ke	resource	opsc_contract_id	Year	Month	contract_gwh	contracted_ncp_mw_if_known	ncp_facilities_if_ncp_not_known	contract_status	storage_duration_hours	notes	max_mw	resource_type	currently_online	elcc_type	elcc_type_year_month	elcc_percent	battery_multiplier	calculated_ncp_mw_for_resources_with_no_contracted_ncp	final_ncp_mw	test_ncp	supertype	LSE is buying energy from resource	LSE is buying capacity from resource	resource_contract_note	is_first_occurrence	create_unique_contract_index
																			42								
1	cks	[redacted]		2028	11	0	[redacted]		review	2	[redacted]			0	[redacted]		97%	0.5	[redacted]		ok	new_resolve	0	1	[redacted]	0	0
2	cks			2028	12	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
3	cks			2029	1	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
4	cks			2029	2	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
5	cks			2029	3	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
6	cks			2029	4	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
7	cks			2029	5	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
8	cks			2029	6	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
9	cks			2029	7	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
10	cks			2029	8	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
11	cks			2029	9	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
12	cks			2029	10	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
13	cks			2029	11	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
14	cks			2029	12	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
15	cks			2030	1	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
16	cks			2030	2	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
17	cks			2030	3	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
18	cks			2030	4	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
19	cks			2030	5	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
20	cks			2030	6	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
21	cks			2030	7	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
22	cks			2030	8	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
23	cks			2030	9	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
24	cks			2030	10	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
25	cks			2030	11	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
26	cks			2030	12	0			review	2				0			97%	0.5			ok	new_resolve	0			0	0
27	cks			2023	8	0			review	4				0			100%	1			ok	new_resolve	0			1	18
28	cks			2023	9	0			review	4				0			100%	1			ok	new_resolve	0			0	0
29	cks			2023	10	0			review	4				0			100%	1			ok	new_resolve	0			0	0
30	cks			2023	11	0			review	4				0			100%	1			ok	new_resolve	0			0	0
31	cks			2023	12	0			review	4				0			100%	1			ok	new_resolve	0			0	0
32	cks			2024	1	0			review	4				0			100%	1			ok	new_resolve	0			0	0
33	cks			2024	2	0			review	4				0			100%	1			ok	new_resolve	0			0	0
34	cks			2024	3	0			review	4				0			100%	1			ok	new_resolve	0			0	0
35	cks			2024	4	0			review	4				0			100%	1			ok	new_resolve	0			0	0
36	cks			2024	5	0			review	4				0			100%	1			ok	new_resolve	0			0	0
37	cks			2024	6	0			review	4				0			100%	1			ok	new_resolve	0			0	0
38	cks			2024	7	0			review	4				0			100%	1			ok	new_resolve	0			0	0
39	cks			2024	8	0			review	4				0			100%	1			ok	new_resolve	0			0	0
40	cks			2024	9	0			review	4				0			100%	1			ok	new_resolve	0			0	0
41	cks			2024	10	0			review	4				0			100%	1			ok	new_resolve	0			0	0
42	cks			2024	11	0			review	4				0			100%	1			ok	new_resolve	0			0	0
43	cks			2024	12	0			review	4				0			100%	1			ok	new_resolve	0			0	0
44	cks			2025	1	0			review	4				0			98%	1			ok	new_resolve	0			0	0
45	cks			2025	2	0			review	4				0			98%	1			ok	new_resolve	0			0	0
46	cks			2025	3	0			review	4				0			98%	1			ok	new_resolve	0			0	0
47	cks			2025	4	0			review	4				0			98%	1			ok	new_resolve	0			0	0
48	cks			2025	5	0			review	4				0			98%	1			ok	new_resolve	0			0	0
49	cks			2025	6	0			review	4				0			98%	1			ok	new_resolve	0			0	0
50	cks			2025	7	0			review	4				0			98%	1			ok	new_resolve	0			0	0
51	cks			2025	8	0			review	4				0			98%	1			ok	new_resolve	0			0	0
52	cks			2025	9	0			review	4				0			98%	1			ok	new_resolve	0			0	0
53	cks			2025	10	0			review	4				0			98%	1			ok	new_resolve	0			0	0
54	cks			2025	11	0			review	4				0			98%	1			ok	new_resolve	0			0	0
55	cks			2025	12	0			review	4				0			98%	1			ok	new_resolve	0			0	0
56	cks			2026	1	0			review	4				0			97%	1			ok	new_resolve	0			0	0
57	cks			2026	2	0			review	4				0			97%	1			ok	new_resolve	0			0	0
58	cks			2026	3	0			review	4				0			97%	1			ok	new_resolve	0			0	0
59	cks			2026	4	0			review	4				0			97%	1			ok	new_resolve	0			0	0
60	cks			2026	5	0			review	4				0			97%	1			ok	new_resolve	0			0	0
61	cks			2026	6	0			review	4				0			97%	1			ok	new_resolve	0			0	0
62	cks			2026	7	0			review	4				0			97%	1			ok	new_resolve	0			0	0
63	cks			2026	8	0			review	4				0			97%	1			ok	new_resolve	0			0	0
64	cks			2026	9	0			review	4				0			97%	1			ok	new_resolve	0			0	0
65	cks			2026	10	0			review	4				0			97%	1			ok	new_resolve	0			0	0
66	cks			2026	11	0			review	4				0			97%	1			ok	new_resolve	0			0	0
67	cks			2026	12	0			review	4				0			97%	1			ok	new_resolve	0			0	0
68	cks			2027	1	0			review	4				0			97%	1			ok	new_resolve	0			0	0
69	cks			2027	2	0			review	4				0			97%	1			ok	new_resolve	0			0	0
70	cks			2027	3	0			review	4				0			97%	1			ok	new_resolve	0			0	0
71	cks			2027	4	0			review	4				0			97%	1			ok	new_resolve	0			0	0
72	cks			2027	5	0			review	4				0			97%	1			ok	new_resolve	0			0	0
73	cks			2027	6	0			review	4				0			97%	1			ok	new_resolve	0			0	0
74	cks			2027	7	0			review	4				0			97%	1			ok	new_resolve	0			0	0
75	cks			2027	8	0			review	4				0			97%	1			ok	new_resolve	0			0	0
76	cks			2027	9	0			review	4				0			97%	1			ok	new_resolve	0			0	0
77	cks			2027	10	0			review	4				0			97%	1			ok	new_resolve	0			0	0
78	cks			2027	11	0			review	4				0			97%	1			ok	new_resolve	0			0	0
79	cks			2027	12	0			review	4				0			97%	1			ok	new_resolve	0			0	0
80	cks			2028	1	0			review	4				0			97%	1			ok	new_resolve	0			0	0
81	cks			2028	2	0			review	4				0			97%	1			ok	new_resolve	0			0	0
82	cks			2028	3	0			review	4				0			97%	1			ok	new_resolve	0			0	0
83	cks			2028	4	0			review	4				0			97%	1			ok	new_resolve	0			0	0
84	cks			2028	5	0			review	4				0			97%	1			ok	new_resolve	0			0	0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
	ke	resource	opsc_contract_id	Year	Month	contract_gwh	contracted_mps_mw_if_known	mps_facilities_if_mp_not_known	contract_status	storage_duration_hours	notes	mss_mw	resource_type	currently_online	elcc_type	elcc_type_year_month	elcc_percent	battery_multiplier	calculated_nqc_mw (for_resources_not_in_mp_contracted_n	final_nqc_mw	test_nqc	supertype	CO2 is buying energy from resource	CO2 is buying capacity from resource	resource_contract_note	is_first_occurrence	create_unique_contract_index
1	Ok	[redacted]	[redacted]	2028	6	0	[redacted]	[redacted]	review	4	[redacted]			0	[redacted]		97%	1	[redacted]	[redacted]	ok	new_resoiler	0	1	[redacted]	0	0
2	Ok			2028	7	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
3	Ok			2028	8	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
4	Ok			2028	9	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
5	Ok			2028	10	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
6	Ok			2028	11	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
7	Ok			2028	12	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
8	Ok			2029	1	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
9	Ok			2029	2	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
10	Ok			2029	3	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
11	Ok			2029	4	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
12	Ok			2029	5	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
13	Ok			2029	6	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
14	Ok			2029	7	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
15	Ok			2029	8	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
16	Ok			2029	9	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
17	Ok			2029	10	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
18	Ok			2029	11	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
19	Ok			2029	12	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
20	Ok			2030	1	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
21	Ok			2030	2	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
22	Ok			2030	3	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
23	Ok			2030	4	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
24	Ok			2030	5	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
25	Ok			2030	6	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
26	Ok			2030	7	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
27	Ok			2030	8	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
28	Ok			2030	9	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
29	Ok			2030	10	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
30	Ok			2030	11	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
31	Ok			2030	12	0			review	4				0			97%	1			ok	new_resoiler	0			0	0
32	Ok			2021	8	0			review	4				0			100%	1			ok	new_resoiler	0			1	20
33	Ok			2021	9	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
34	Ok			2021	10	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
35	Ok			2021	11	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
36	Ok			2021	12	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
37	Ok			2022	1	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
38	Ok			2022	2	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
39	Ok			2022	3	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
40	Ok			2022	4	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
41	Ok			2022	5	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
42	Ok			2022	6	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
43	Ok			2022	7	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
44	Ok			2022	8	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
45	Ok			2022	9	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
46	Ok			2022	10	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
47	Ok			2022	11	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
48	Ok			2022	12	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
49	Ok			2023	1	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
50	Ok			2023	2	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
51	Ok			2023	3	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
52	Ok			2023	4	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
53	Ok			2023	5	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
54	Ok			2023	6	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
55	Ok			2023	7	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
56	Ok			2023	8	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
57	Ok			2023	9	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
58	Ok			2023	10	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
59	Ok			2023	11	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
60	Ok			2023	12	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
61	Ok			2024	1	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
62	Ok			2024	2	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
63	Ok			2024	3	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
64	Ok			2024	4	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
65	Ok			2024	5	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
66	Ok			2024	6	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
67	Ok			2024	7	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
68	Ok			2024	8	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
69	Ok			2024	9	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
70	Ok			2024	10	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
71	Ok			2024	11	0			review	4				0			100%	1			ok	new_resoiler	0			0	0
72	Ok			2024	12	0			review	4				0			100%	1			ok	new_resoiler	0			0	0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
1	ke	resource	opec_contract_id	Year	Month	contract_gwh	contracted_mps_mw_if_known	mps_facilities_if_mp_not_known	contract_status	storage_duration_hours	notes	max_mw	resource_type	currently_online	elcc_type	elcc_type_year_month	elcc_percent	battery_multiplier	calculated_nqc_mw (for_resources_with_no_contracted_nqc)	final_nqc_mw	test_nqc	supertype	LSE is buying energy from resource	LSE is buying capacity from resource	resource_contract_note	is_first_occurrence	create_unique_contract_index
2	[redacted]	[redacted]		2025	1	0	[redacted]		online	4	[redacted]			0	[redacted]		98%	1	[redacted]	[redacted]	ok	new_resoiuce	0	1	[redacted]	0	0
3	[redacted]			2025	2	0			online	4				0			98%	1			ok	new_resoiuce	0			0	0
4	[redacted]			2025	3	0			online	4				0			98%	1			ok	new_resoiuce	0			0	0
5	[redacted]			2025	4	0			online	4				0			98%	1			ok	new_resoiuce	0			0	0
6	[redacted]			2025	5	0			online	4				0			98%	1			ok	new_resoiuce	0			0	0
7	[redacted]			2025	6	0			online	4				0			98%	1			ok	new_resoiuce	0			0	0
8	[redacted]			2025	7	0			online	4				0			98%	1			ok	new_resoiuce	0			0	0
9	[redacted]			2025	8	0			online	4				0			98%	1			ok	new_resoiuce	0			0	0
10	[redacted]			2025	9	0			online	4				0			98%	1			ok	new_resoiuce	0			0	0
11	[redacted]			2025	10	0			online	4				0			98%	1			ok	new_resoiuce	0			0	0
12	[redacted]			2025	11	0			online	4				0			98%	1			ok	new_resoiuce	0			0	0
13	[redacted]			2025	12	0			online	4				0			98%	1			ok	new_resoiuce	0			0	0
14	[redacted]			2026	1	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
15	[redacted]			2026	2	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
16	[redacted]			2026	3	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
17	[redacted]			2026	4	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
18	[redacted]			2026	5	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
19	[redacted]			2026	6	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
20	[redacted]			2026	7	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
21	[redacted]			2026	8	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
22	[redacted]			2026	9	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
23	[redacted]			2026	10	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
24	[redacted]			2026	11	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
25	[redacted]			2026	12	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
26	[redacted]			2027	1	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
27	[redacted]			2027	2	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
28	[redacted]			2027	3	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
29	[redacted]			2027	4	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
30	[redacted]			2027	5	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
31	[redacted]			2027	6	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
32	[redacted]			2027	7	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
33	[redacted]			2027	8	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
34	[redacted]			2027	9	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
35	[redacted]			2027	10	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
36	[redacted]			2027	11	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
37	[redacted]			2027	12	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
38	[redacted]			2028	1	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
39	[redacted]			2028	2	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
40	[redacted]			2028	3	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
41	[redacted]			2028	4	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
42	[redacted]			2028	5	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
43	[redacted]			2028	6	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
44	[redacted]			2028	7	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
45	[redacted]			2028	8	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
46	[redacted]			2028	9	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
47	[redacted]			2028	10	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
48	[redacted]			2028	11	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
49	[redacted]			2028	12	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
50	[redacted]			2029	1	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
51	[redacted]			2029	2	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
52	[redacted]			2029	3	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
53	[redacted]			2029	4	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
54	[redacted]			2029	5	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
55	[redacted]			2029	6	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
56	[redacted]			2029	7	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
57	[redacted]			2029	8	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
58	[redacted]			2029	9	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
59	[redacted]			2029	10	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
60	[redacted]			2029	11	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
61	[redacted]			2029	12	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
62	[redacted]			2030	1	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
63	[redacted]			2030	2	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
64	[redacted]			2030	3	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
65	[redacted]			2030	4	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
66	[redacted]			2030	5	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
67	[redacted]			2030	6	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
68	[redacted]			2030	7	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
69	[redacted]			2030	8	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
70	[redacted]			2030	9	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
71	[redacted]			2030	10	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
72	[redacted]			2030	11	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0
73	[redacted]			2030	12	0			online	4				0			97%	1			ok	new_resoiuce	0			0	0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
1	ke	resource	opsc_contract_id	Year	Month	contract_gwh	contracted_mps_mw_if_known	mps_facilities_if_mp_not_known	contract_status	storage_duration_hours	notes	mra_mw	resource_type	currently_online	elcc_type	elcc_type_year_month	elcc_percent	battery_multiplier	calculated_nqc_mw (for_resource_ab is_no_contracted_n	final_nqc_mw	test_nqc	supertype	LSE is buying energy from resource	LSE is buying capacity from resource	resource_contract_note	is_first_occurrence	create_unique_contract_index
2	Ola	[redacted]		2021	8	0	[redacted]		review	4	[redacted]			1	[redacted]		100%	1	[redacted]		ok	physical	0	1	[redacted]	1	23
3	Ola			2021	9	0			review	4				1			100%	1			ok	physical	0			0	0
4	Ola			2021	10	0			review	4				1			100%	1			ok	physical	0			0	0
5	Ola			2021	11	0			review	4				1			100%	1			ok	physical	0			0	0
6	Ola			2021	12	0			review	4				1			100%	1			ok	physical	0			0	0
7	Ola			2022	1	0			review	4				1			100%	1			ok	physical	0			0	0
8	Ola			2022	2	0			review	4				1			100%	1			ok	physical	0			0	0
9	Ola			2022	3	0			review	4				1			100%	1			ok	physical	0			0	0
10	Ola			2022	4	0			review	4				1			100%	1			ok	physical	0			0	0
11	Ola			2022	5	0			review	4				1			100%	1			ok	physical	0			0	0
12	Ola			2022	6	0			review	4				1			100%	1			ok	physical	0			0	0
13	Ola			2022	7	0			review	4				1			100%	1			ok	physical	0			0	0
14	Ola			2022	8	0			review	4				1			100%	1			ok	physical	0			0	0
15	Ola			2022	9	0			review	4				1			100%	1			ok	physical	0			0	0
16	Ola			2022	10	0			review	4				1			100%	1			ok	physical	0			0	24
17	Ola			2022	11	0			review	4				1			100%	1			ok	physical	0			0	0
18	Ola			2022	12	0			review	4				1			100%	1			ok	physical	0			0	0
19	Ola			2023	1	0			review	4				1			100%	1			ok	physical	0			0	0
20	Ola			2023	2	0			review	4				1			100%	1			ok	physical	0			0	0
21	Ola			2023	3	0			review	4				1			100%	1			ok	physical	0			0	0
22	Ola			2023	4	0			review	4				1			100%	1			ok	physical	0			0	0
23	Ola			2023	5	0			review	4				1			100%	1			ok	physical	0			0	0
24	Ola			2023	6	0			review	4				1			100%	1			ok	physical	0			0	0
25	Ola			2023	7	0			review	4				1			100%	1			ok	physical	0			0	0
26	Ola			2023	8	0			review	4				1			100%	1			ok	physical	0			0	0
27	Ola			2023	9	0			review	4				1			100%	1			ok	physical	0			0	0
28	Ola			2023	10	0			review	4				1			100%	1			ok	physical	0			0	0
29	Ola			2023	11	0			review	4				1			100%	1			ok	physical	0			0	0
30	Ola			2023	12	0			review	4				1			100%	1			ok	physical	0			0	0
31	Ola			2024	1	0			review	4				1			100%	1			ok	physical	0			0	0
32	Ola			2024	2	0			review	4				1			100%	1			ok	physical	0			0	0
33	Ola			2024	3	0			review	4				1			100%	1			ok	physical	0			0	0
34	Ola			2024	4	0			review	4				1			100%	1			ok	physical	0			0	0
35	Ola			2024	5	0			review	4				1			100%	1			ok	physical	0			0	0
36	Ola			2024	6	0			review	4				1			100%	1			ok	physical	0			0	0
37	Ola			2024	7	0			review	4				1			100%	1			ok	physical	0			0	0
38	Ola			2024	8	0			review	4				1			100%	1			ok	physical	0			0	0
39	Ola			2024	9	0			review	4				1			100%	1			ok	physical	0			0	0
40	Ola			2024	10	0			review	4				1			100%	1			ok	physical	0			0	0
41	Ola			2024	11	0			review	4				1			100%	1			ok	physical	0			0	0
42	Ola			2024	12	0			review	4				1			100%	1			ok	physical	0			0	0
43	Ola			2025	1	0			review	4				1			98%	1			ok	physical	0			0	0
44	Ola			2025	2	0			review	4				1			98%	1			ok	physical	0			0	0
45	Ola			2025	3	0			review	4				1			98%	1			ok	physical	0			0	0
46	Ola			2025	4	0			review	4				1			98%	1			ok	physical	0			0	0
47	Ola			2025	5	0			review	4				1			98%	1			ok	physical	0			0	0
48	Ola			2025	6	0			review	4				1			98%	1			ok	physical	0			0	0
49	Ola			2025	7	0			review	4				1			98%	1			ok	physical	0			0	0
50	Ola			2025	8	0			review	4				1			98%	1			ok	physical	0			0	0
51	Ola			2025	9	0			review	4				1			98%	1			ok	physical	0			0	0
52	Ola			2025	10	0			review	4				1			98%	1			ok	physical	0			0	0
53	Ola			2025	11	0			review	4				1			98%	1			ok	physical	0			0	0
54	Ola			2025	12	0			review	4				1			98%	1			ok	physical	0			0	0
55	Ola			2026	1	0			review	4				1			97%	1			ok	physical	0			0	0
56	Ola			2026	2	0			review	4				1			97%	1			ok	physical	0			0	0
57	Ola			2026	3	0			review	4				1			97%	1			ok	physical	0			0	0
58	Ola			2026	4	0			review	4				1			97%	1			ok	physical	0			0	0
59	Ola			2026	5	0			review	4				1			97%	1			ok	physical	0			0	0
60	Ola			2026	6	0			review	4				1			97%	1			ok	physical	0			0	0
61	Ola			2026	7	0			review	4				1			97%	1			ok	physical	0			0	0
62	Ola			2026	8	0			review	4				1			97%	1			ok	physical	0			0	0
63	Ola			2026	9	0			review	4				1			97%	1			ok	physical	0			0	0
64	Ola			2026	10	0			review	4				1			97%	1			ok	physical	0			0	0
65	Ola			2026	11	0			review	4				1			97%	1			ok	physical	0			0	0
66	Ola			2026	12	0			review	4				1			97%	1			ok	physical	0			0	0
67	Ola			2027	1	0			review	4				1			97%	1			ok	physical	0			0	0
68	Ola			2027	2	0			review	4				1			97%	1			ok	physical	0			0	0
69	Ola			2027	3	0			review	4				1			97%	1			ok	physical	0			0	0
70	Ola			2027	4	0			review	4				1			97%	1			ok	physical	0			0	0
71	Ola			2027	5	0			review	4				1			97%	1			ok	physical	0			0	0
72	Ola			2027	6	0			review	4				1			97%	1			ok	physical	0			0	0
73	Ola			2027	7	0			review	4				1			97%	1			ok	physical	0			0	0
74	Ola			2027	8	0			review	4				1			97%	1			ok	physical	0			0	0
75	Ola			2027	9	0			review	4				1			97%	1			ok	physical	0			0	0
76	Ola			2027	10	0			review	4				1			97%	1			ok	physical	0			0	0
77	Ola			2027	11	0			review	4				1			97%	1			ok	physical	0			0	0
78	Ola			2027	12	0			review	4				1			97%	1			ok	physical	0			0	0
79	Ola			2028	1	0			review	4				1			97%	1			ok	physical	0			0	0
80	Ola			2028	2	0			review	4				1			97%	1			ok	physical	0			0	0
81	Ola			2028	3	0			review	4				1			97%	1			ok	physical	0			0	0
82	Ola			2028	4	0			review	4				1			97%	1			ok	physical	0			0	0
83	Ola			2028	5	0			review	4				1			97%	1			ok	physical	0			0	0
84	Ola			2028	6	0			review	4				1			97%	1			ok	physical	0			0	0
85	Ola			2028	7	0			review	4				1			97%	1			ok	physical	0			0	0
86	Ola			2028	8	0			review	4				1			97%	1			ok	physical	0			0	0
87	Ola			2028	9	0			review	4				1			97%	1			ok	physical	0			0	0
88	Ola			2028	10	0			review	4				1			97%	1			ok	physical	0			0	0
89	Ola			2028	11	0			review	4				1			97%	1			ok	physical	0			0	0
90	Ola			2028	12	0			review	4				1			97%	1			ok	physical	0			0	0
91	Ola			2021	8	0			planned_new	4				0			100%	1			ok	new_resolve	0			1	29
92	Ola			2021	9	0			planned_new	4				0			100%	1			ok	new_resolve	0			0	0
93	Ola			2021	10	0			planned_new	4				0			100%	1			ok	new_resolve	0			0	0
94	Ola			2021	11	0			planned_new	4				0			100%	1			ok	new_resolve	0			0	0
95	Ola			2021	12	0			planned_new	4				0			100%	1			ok	new_resolve	0			0	0
96	Ola			2022	1	0			planned_new	4				0			100%	1			ok	new_resolve	0			0	0
97	Ola			2022	2	0			planned_new	4				0			100%	1			ok	new_resolve	0			0	0
98	Ola			2022	3	0			planned_new	4				0			100%	1			ok	new_resolve	0			0	0
99	Ola			2022	4	0			planned_new	4				0			100%	1			ok	new_resolve	0			0	0
100	Ola			2022	5	0			planned_new	4				0			100%	1			ok	new_resolve	0			0	0
101	Ola			2022	6	0			planned_new	4				0			100%	1			ok	new_resolve	0			0	0
102	Ola			2022	7	0			planned_new	4				0			100%	1			ok	new_resolve	0			0	0
103	Ola			2022	8	0			planned_new	4				0			100%	1			ok	new_resolve	0			0	0
104	Ola			2022	9	0			planned_new	4				0			100%	1			ok	new_resolve	0			0	0
105	Ola			2022	10	0			planned_new	4				0			100%	1			ok	new_resolve	0			0	0
106	Ola			2022	11	0			planned_new	4				0			100%	1			ok	new_resolve	0			0	0
107	Ola			2022	12	0			planned_new	4				0			100%	1			ok	new_resolve	0			0	0
108	Ola			2023	1	0			planned_new	4				0			98%	1			ok	new_resolve	0			0	0
109	Ola			2023	2	0			planned_new	4				0			98%	1			ok	new_resolve	0			0	0
110	Ola			2023	3	0			planned_new	4				0			98%	1			ok	new_resolve	0			0	0
111	Ola			2023	4	0			planned_new	4				0			98%	1			ok	new_resolve	0			0	0
112	Ola			2023	5	0			planned_new	4				0			98%	1			ok	new_resolve	0			0	0
113	Ola			2023	6	0			planned_new	4				0			98%	1			ok	new_resolve	0			0	0
114	Ola			2023	7	0			planned_new	4				0			98%	1			ok	new_resolve	0			0	0
115	Ola			2023	8	0			planned_new	4				0			98%	1			ok	new_resolve	0			0	0
116	Ola			2023	9	0			planned_new	4				0			98%	1			ok	new_resolve	0			0	0
117	Ola			2023	10	0			planned_new	4				0			98%	1			ok	new_resolve	0			0	0
118	Ola			2023	11	0			planned_new	4				0			98%	1			ok	new_resolve	0			0	0
119	Ola			2023	12	0			planned_new	4				0			98%	1			ok	new_resolve	0			0	0
120	Ola			2024	1	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
121	Ola			2024	2	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
122	Ola			2024	3	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
123	Ola			2024	4	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
124	Ola			2024	5	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
125	Ola			2024	6	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
126	Ola			2024	7	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
127	Ola			2024	8	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
128	Ola			2024	9	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
129	Ola			2024	10	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
130	Ola			2024	11	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
131	Ola			2024	12	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
132	Ola			2025	1	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
133	Ola			2025	2	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
134	Ola			2025	3	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
135	Ola			2025	4	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
136	Ola			2025	5	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
137	Ola			2025	6	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
138	Ola			2025	7	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
1	ke	resource	opec_contract_id	Year	Month	contract_gwh	contracted_mps_mw_if_known	mps_facilities_if_mp_not_known	contract_status	storage_duration_hours	notes	mas_mw	resource_type	currently_online	elcc_type	elcc_type_year_month	elcc_percent	battery_multiplier	calculated_nqc_mw (for_resource_with_no_nqc_contracted_in_	final_nqc_mw	test_nqc	supertype	LSE is keeping energy from resource	LSE is keeping capacity from resource	resource_contract_note	is_first_occurrence	create_unique_contract_index
2	Cl.k	[redacted]		2029	8	0	[redacted]		planned_new	4	[redacted]			0	[redacted]		97%	1		[redacted]	ok	new_resolve	0		[redacted]	0	0
3	Cl.k			2029	9	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
4	Cl.k			2029	10	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
5	Cl.k			2029	11	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
6	Cl.k			2029	12	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
7	Cl.k			2030	1	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
8	Cl.k			2030	2	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
9	Cl.k			2030	3	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
10	Cl.k			2030	4	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
11	Cl.k			2030	5	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
12	Cl.k			2030	6	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
13	Cl.k			2030	7	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
14	Cl.k			2030	8	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
15	Cl.k			2030	9	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
16	Cl.k			2030	10	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0
17	Cl.k			2030	11	0			planned_new	4				0			97%	1			ok	new_resolve	0			0	0

	A	B	C	D	E	F	G	H
1	resource_num	resource	note	resource_contract_note	online	online_date_for_new_resources	contract_execution_date	contract_start
2	1	[redacted]	[redacted]	[redacted]	1	**ok**	10/28/2019	1/1/2020
3	2	[redacted]	[redacted]	[redacted]	1	**ok**	3/12/2019	1/1/2020
4	3	[redacted]	[redacted]	[redacted]	1	**ok**	6/11/2020	8/1/2020
5	4	[redacted]	[redacted]	[redacted]	1	**ok**	6/25/2019	7/1/2020
6	5	[redacted]	[redacted]	[redacted]	1	**ok**	4/30/2020	1/1/2020
7	6	[redacted]	[redacted]	[redacted]	1	**ok**	6/30/2020	7/1/2020
8	7	[redacted]	[redacted]	[redacted]	1	**ok**	1/25/2019	1/1/2020
9	8	[redacted]	[redacted]	[redacted]	1	**ok**	9/18/2019	1/1/2020
10	9	[redacted]	[redacted]	[redacted]	1	**ok**	1/1/2021	5/1/2021
11	10	[redacted]	[redacted]	[redacted]	1	**ok**	1/1/2021	5/1/2021
12	11	[redacted]	[redacted]	[redacted]	0	**1/1/2023**	1/1/2021	1/1/2023
13	12	[redacted]	[redacted]	[redacted]	0	**1/1/2026**	1/1/2024	1/1/2026
14	13	[redacted]	[redacted]	[redacted]	0	**1/1/2024**	1/1/2022	1/1/2024
15	14	[redacted]	[redacted]	[redacted]	0	**1/1/2026**	1/1/2024	1/1/2026
16	15	[redacted]	[redacted]	[redacted]	1	**ok**	10/1/2020	5/1/2021
17	16	[redacted]	[redacted]	[redacted]	1	**ok**	1/1/2021	5/1/2021
18	17	[redacted]	[redacted]	[redacted]	0	**8/1/2022**	9/1/2020	8/1/2022
19	18	[redacted]	[redacted]	[redacted]	0	**8/1/2023**	9/1/2020	8/1/2023
20	19	[redacted]	[redacted]	[redacted]	0	**8/1/2022**	9/1/2020	8/1/2022
21	20	[redacted]	[redacted]	[redacted]	0	**8/1/2021**	9/1/2020	8/1/2021
22	21	[redacted]	[redacted]	[redacted]	0	**8/1/2021**	9/1/2020	8/1/2021
23	22	[redacted]	[redacted]	[redacted]	0	**8/1/2021**	9/1/2020	8/1/2021
24	23	[redacted]	[redacted]	[redacted]	1	**ok**	9/1/2020	8/1/2021
25	24	[redacted]	[redacted]	[redacted]	1	**ok**	9/1/2020	8/1/2022
26	25	[redacted]	[redacted]	[redacted]	0	**8/1/2023**	9/1/2020	8/1/2023

	I	J	K	L	M	N	O	P	Q	R	S
1	contract_end	interconnection_queue_position	lse_owned	cam	is_incremental	incremental_explanation	viability_cod_reasonableness	viability_technical_feasibility	viability_resource_sufficiency	viability_financing	storage_max_discharge_mw
2	12/31/2022				**0**		**ok**	**ok**	**ok**	**ok**	
3	12/31/2022				**0**		**ok**	**ok**	**ok**	**ok**	
4	9/30/2020				**0**		**ok**	**ok**	**ok**	**ok**	
5	9/30/2020				**0**		**ok**	**ok**	**ok**	**ok**	
6	12/31/2020				**0**		**ok**	**ok**	**ok**	**ok**	
7	12/31/2020				**0**		**ok**	**ok**	**ok**	**ok**	
8	12/31/2020				**0**		**ok**	**ok**	**ok**	**ok**	
9	12/31/2020				**0**		**ok**	**ok**	**ok**	**ok**	
10	12/31/2030				**0**		**ok**	**ok**	**ok**	**ok**	
11	12/31/2030				**0**		**ok**	**ok**	**ok**	**ok**	
12	12/31/2030				**1**		**3**	**1**	**2**	**4**	50
13	12/31/2030				**1**		**3**	**1**	**2**	**4**	25
14	12/31/2030				**1**		**3**	**1**	**2**	**4**	
15	12/31/2030				**1**		**3**	**1**	**2**	**4**	7
16	12/31/2030				**0**		**ok**	**ok**	**ok**	**ok**	
17	12/31/2030			1	**0**		**ok**	**ok**	**ok**	**ok**	
18	8/1/2037	N/A	0	0	**1**		**2**	**1**	**2**	**3**	50
19	8/1/2038	N/A	0	0	**1**		**2**	**1**	**2**	**3**	75
20	8/1/2032	N/A	0	0	**1**		**1**	**1**	**2**	**3**	20
21	8/1/2041	N/A	0	0	**1**		**1**	**1**	**2**	**3**	20
22	8/1/2041	N/A	0	0	**1**		**1**	**1**	**2**	**3**	20
23	8/1/2036	N/A	0	0	**1**		**1**	**1**	**2**	**3**	104
24	7/31/2022	N/A	0	0	**1**	esource con	**1**	**1**	**2**	**2**	10
25	8/1/2033	N/A	0	0	**1**	ed to VSTAE	**1**	**1**	**2**	**2**	20
26	8/1/2033	N/A	0	0	**1**		**3**	**1**	**2**	**4**	17

	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF
1	storage_depth_mwh	is_hybrid	hybrid_generator_mw	hybrid_combined_max_mw	hybrid_can_charge_from_grid	execution_year	execution_month	start_year	start_month	end_year	end_month	**Test: Correct data type for lse_owned**	**Test: Correct data type for cam**
2						2019	10	2020	1	2022	12	1	1
3						2019	3	2020	1	2022	12	1	1
4						2020	6	2020	8	2020	9	1	1
5						2019	6	2020	7	2020	9	1	1
6						2020	4	2020	1	2020	12	1	1
7						2020	6	2020	7	2020	12	1	1
8						2019	1	2020	1	2020	12	1	1
9						2019	9	2020	1	2020	12	1	1
10						2021	1	2021	5	2030	12	1	1
11						2021	1	2021	5	2030	12	1	1
12	200	1	100	150	0	2021	1	2023	1	2030	12	1	1
13	100	1	50	75	0	2024	1	2026	1	2030	12	1	1
14						2022	1	2024	1	2030	12	1	1
15	56	0				2024	1	2026	1	2030	12	1	1
16						2020	10	2021	5	2030	12	1	1
17						2021	1	2021	5	2030	12	1	1
18	100	0	N/A	N/A	N/A	2020	9	2022	8	2037	8	1	1
19	300	0	N/A	N/A	N/A	2020	9	2023	8	2038	8	1	1
20	80	0	N/A	N/A	N/A	2020	9	2022	8	2032	8	1	1
21	80	0	N/A	N/A	N/A	2020	9	2021	8	2041	8	1	1
22	80	0	N/A	N/A	N/A	2020	9	2021	8	2041	8	1	1
23	416	0	N/A	N/A	N/A	2020	9	2021	8	2036	8	1	1
24	40	0	N/A	N/A	N/A	2020	9	2021	8	2022	7	1	1
25	80	0	N/A	N/A	N/A	2020	9	2022	8	2033	8	1	1
26	69	0	N/A	N/A	N/A	2020	9	2023	8	2033	8	1	1

	AG	AH	AI	AJ	AK	AL	AM	AN	AO
1	**Test:All data provided for hybrid**	**TEST: All data provided for contract**	**TEST: No fillmes**	**Max MW in September 2021**	**NQC MW in September 2021**	**Supply Side incremental NQC MW in September 2021**	**Incremental energy-only NQC MW in September 2021**	**Incremental demand-side resource not in IEPR demand forecast in September 2021**	**find_position_of_adding**
2	1	1		[redacted]				0	#VALUE!
3	1	1						0	#VALUE!
4	1	1						0	#VALUE!
5	1	1						0	#VALUE!
6	1	1						0	#VALUE!
7	1	1						0	#VALUE!
8	1	1						0	#VALUE!
9	1	1						0	#VALUE!
10	1	1						0	#VALUE!
11	1	1						0	#VALUE!
12	1	1						0	#VALUE!
13	1	1						0	#VALUE!
14	1	1						0	#VALUE!
15	1	1						0	#VALUE!
16	1	1						0	#VALUE!
17	1	1						0	#VALUE!
18	1	1						0	#VALUE!
19	1	1						0	#VALUE!
20	1	1						0	#VALUE!
21	1	1						0	#VALUE!
22	1	1						0	#VALUE!
23	1	1						0	#VALUE!
24	1	1						0	#VALUE!
25	1	1						0	#VALUE!
26	1	1						0	#VALUE!

	AP	AQ
1	**find_position_of_mw**	**Incremental MW added to existing resource September 2021**
2	#VALUE!	0
3	#VALUE!	0
4	#VALUE!	0
5	#VALUE!	0
6	#VALUE!	0
7	#VALUE!	0
8	#VALUE!	0
9	#VALUE!	0
10	#VALUE!	0
11	#VALUE!	0
12	#VALUE!	0
13	#VALUE!	0
14	#VALUE!	0
15	#VALUE!	0
16	#VALUE!	0
17	#VALUE!	0
18	#VALUE!	0
19	#VALUE!	0
20	#VALUE!	0
21	#VALUE!	0
22	#VALUE!	0
23	#VALUE!	0
24	#VALUE!	0
25	3	0
26	#VALUE!	0