

**Appendix E2a to California's Proposed Compliance  
Plan for the Federal Clean Power Plan:  
Summary of Unit Operating Characteristics for the  
Reference Case**

**U.S. EPA Clean Power plan, Rule 111D (existing power plants)  
Annual Units Average Heat Rate, Capacity Factor, CO<sub>2</sub>e Emissions, Fuel  
use, and Generation from Affected California Power Plants  
Energy Assessment Division  
05-03-16**

**Summary:** The following data sheet contains annual unit specific PLEXOS simulation results for generation (GWh), fuel use (1000 MMBTU) and capacity rating (MW available to grid). From these simulation results we are able to calculate each units annual average heat rate (BTU/KWh), capacity factor (Annual %) and CO<sub>2</sub>e (short tons) for existing power plants in California covered by EPA's clean power plan rule 111D.

The intended audience is the EPA and stakeholders.

**Source of Data:** Data for forecast years 2020 -2026 come from the PLEXOS production cost model simulations for the IEPE 2015 Mid Demand and a modified IEPR 2015 High Demand Case with Diablo Canyon retired and low hydro sensitivity (aka Stress Case).

The Stress Case includes 6,270 MW (2,800 MW CT, 3,470 MW CCs) of new thermal resources and no replacement capacity is included when Diablo is retired 12/31/2024.

Non OTC retirements are aligned with the 2014 LTPP, which used a generic retirement date assumption for thermal, non-OTC plants in California of 40 years from COD. This produced about 2,000 MW of retirements by 2026 (mostly CHP). This will impact the 111d results because some of the retired plants are covered by rule 111d.

**Key Caveats:**

1. The PLEXOS production cost model simulations are through 2026; the 2027-2030 forecast are estimated by applying the average growth rate from 2025-2026 to the 2026 values unless otherwise noted.
2. For the CO<sub>2</sub>e calculations, staff assumes natural gas emits 117.1 pounds CO<sub>2</sub> per MMBTU, landfill gas emits 115.3 pounds CO<sub>2</sub> per MMBTU, and coal emits 225.3 pounds of CO<sub>2</sub> per MMBTU, then converted to short tons.

**Major Updates:**

**5-3-2016 SEGs solar-thermal units projected fuel use and associated emissions were adjusted to only account for the natural gas portion. Prior results incorrectly assigned emissions to the solar generation portion as well.**

**5-3-2016 Grayson 5 uses a blend of natural gas and landfill gas to generate electricity. The CO<sub>2</sub>e emissions were adjusted to use an average of the two fuels.**

**5-25-2016 Extrapolated to 2031.**

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111(d) designation	CEC Plant ID	PLEXOS Unit Name	Fuel Price Index	Datetime	Generation (GWh)	Fuel Use(1000 MMBTU)	Implied Heat rate(BTU/KWh)	CO2e emissions (M short tons)	Rated Capacity (MW)	Capacity Factor (%)
include	G0011	AES Alamitos 1	NG SCG	2020	-	-	-	-	174.6	0.0%
include	G0011	AES Alamitos 1	NG SCG	2021	-	-	-	-	-	0.0%
include	G0011	AES Alamitos 1	NG SCG	2022	-	-	-	-	-	0.0%
include	G0011	AES Alamitos 2	NG SCG	2020	-	-	-	-	175.0	0.0%
include	G0011	AES Alamitos 2	NG SCG	2021	-	-	-	-	-	0.0%
include	G0011	AES Alamitos 2	NG SCG	2022	-	-	-	-	-	0.0%
include	G0011	AES Alamitos 3	NG SCG	2020	511.7	6,810.3	13,309	398,744	332.2	17.5%
include	G0011	AES Alamitos 3	NG SCG	2021	-	-	-	-	-	0.0%
include	G0011	AES Alamitos 3	NG SCG	2022	-	-	-	-	-	0.0%
include	G0011	AES Alamitos 4	NG SCG	2020	-	-	-	-	335.7	0.0%
include	G0011	AES Alamitos 4	NG SCG	2021	-	-	-	-	-	0.0%
include	G0011	AES Alamitos 4	NG SCG	2022	-	-	-	-	-	0.0%
include	G0011	AES Alamitos 5	NG SCG	2020	-	-	-	-	485.0	0.0%
include	G0011	AES Alamitos 5	NG SCG	2021	-	-	-	-	-	0.0%
include	G0011	AES Alamitos 5	NG SCG	2022	-	-	-	-	-	0.0%
include	G0011	AES Alamitos 6	NG SCG	2020	-	-	-	-	495.0	0.0%
include	G0011	AES Alamitos 6	NG SCG	2021	-	-	-	-	-	0.0%
include	G0011	AES Alamitos 6	NG SCG	2022	-	-	-	-	-	0.0%
include	G0221	Agnews 1	NG PG&E LT	2020	0.6	5.9	9,213	345	30.5	0.2%
include	G0221	Agnews 1	NG PG&E LT	2021	0.9	8.4	9,213	494	30.5	0.3%
include	G0221	Agnews 1	NG PG&E LT	2022	1.3	12.1	9,213	707	30.5	0.5%
include	G0221	Agnews 1	NG PG&E LT	2023	0.2	2.0	9,213	115	30.5	0.1%
include	G0221	Agnews 1	NG PG&E LT	2024	-	-	-	-	30.5	0.0%
include	G0221	Agnews 1	NG PG&E LT	2025	0.8	7.0	9,213	411	30.5	0.3%
include	G0221	Agnews 1	NG PG&E LT	2026	1.0	9.3	9,213	545	30.5	0.4%
include	G0221	Agnews 1	NG PG&E LT	2027	1.0	9.2	9,213	540	30.5	0.4%
include	G0040	Badger Creek 1	NG TEOR Cogen	2020	63.9	603.1	9,433	35,311	47.0	15.5%
include	G0040	Badger Creek 1	NG TEOR Cogen	2021	34.8	328.7	9,433	19,247	47.0	8.4%
include	G0040	Badger Creek 1	NG TEOR Cogen	2022	31.5	296.7	9,433	17,374	47.0	7.6%
include	G0040	Badger Creek 1	NG TEOR Cogen	2023	24.0	226.2	9,433	13,246	47.0	5.8%
include	G0040	Badger Creek 1	NG TEOR Cogen	2024	16.8	158.5	9,433	9,280	47.0	4.1%
include	G0040	Badger Creek 1	NG TEOR Cogen	2025	19.7	186.1	9,433	10,895	47.0	4.8%
include	G0040	Badger Creek 1	NG TEOR Cogen	2026	20.0	188.4	9,433	11,031	47.0	4.8%
include	G0040	Badger Creek 1	NG TEOR Cogen	2027	19.8	186.6	9,433	10,924	47.0	4.8%
include	G0428	Bear Mountain CG 1	NG TEOR Cogen	2020	85.4	782.3	9,156	45,805	47.0	20.7%
include	G0428	Bear Mountain CG 1	NG TEOR Cogen	2021	53.8	492.7	9,156	28,847	47.0	13.0%
include	G0428	Bear Mountain CG 1	NG TEOR Cogen	2022	55.9	511.4	9,156	29,941	47.0	13.5%
include	G0428	Bear Mountain CG 1	NG TEOR Cogen	2023	45.1	413.0	9,156	24,180	47.0	10.9%
include	G0428	Bear Mountain CG 1	NG TEOR Cogen	2024	34.1	312.6	9,156	18,302	47.0	8.3%
include	G0428	Bear Mountain CG 1	NG TEOR Cogen	2025	33.1	303.0	9,156	17,741	47.0	8.0%
include	G0428	Bear Mountain CG 1	NG TEOR Cogen	2026	35.9	328.9	9,156	19,257	47.0	8.7%
include	G0428	Bear Mountain CG 1	NG TEOR Cogen	2027	35.6	325.7	9,156	19,071	47.0	8.6%
include	G0787	Blythe ALS	NG Blythe	2020	1,978.1	13,629.6	6,890	798,011	262.5	85.8%
include	G0787	Blythe ALS	NG Blythe	2021	1,980.9	13,649.0	6,890	799,151	262.5	85.9%

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include	G0787	Blythe ALS	NG Blythe	2022	1,962.8	13,524.7	6,890	791,873	262.5	85.1%
include	G0787	Blythe ALS	NG Blythe	2023	1,964.8	13,538.2	6,891	792,663	262.5	85.2%
include	G0787	Blythe ALS	NG Blythe	2024	1,940.6	13,372.1	6,891	782,934	262.5	84.2%
include	G0787	Blythe ALS	NG Blythe	2025	1,899.3	13,087.3	6,891	766,263	262.5	82.4%
include	G0787	Blythe ALS	NG Blythe	2026	1,915.4	13,199.1	6,891	772,805	262.5	83.1%
include	G0787	Blythe ALS	NG Blythe	2027	1,896.9	13,071.1	6,891	765,310	262.5	82.3%
include	G0787	Blythe BLS	NG Blythe	2020	1,844.0	12,705.6	6,890	743,914	262.5	80.0%
include	G0787	Blythe BLS	NG Blythe	2021	1,830.4	12,612.1	6,890	738,437	262.5	79.4%
include	G0787	Blythe BLS	NG Blythe	2022	1,826.0	12,582.3	6,890	736,691	262.5	79.2%
include	G0787	Blythe BLS	NG Blythe	2023	1,837.8	12,663.0	6,890	741,418	262.5	79.7%
include	G0787	Blythe BLS	NG Blythe	2024	1,793.2	12,356.2	6,891	723,458	262.5	77.8%
include	G0787	Blythe BLS	NG Blythe	2025	1,801.4	12,413.1	6,891	726,790	262.5	78.1%
include	G0787	Blythe BLS	NG Blythe	2026	1,785.8	12,305.3	6,891	720,477	262.5	77.4%
include	G0787	Blythe BLS	NG Blythe	2027	1,768.4	12,186.0	6,891	713,490	262.5	76.7%
include	G0084	Carson Cogen Co. 1	NG SCG	2020	10.5	101.0	9,610	5,915	48.0	2.5%
include	G0084	Carson Cogen Co. 1	NG SCG	2021	14.2	136.1	9,611	7,971	48.0	3.4%
include	G0084	Carson Cogen Co. 1	NG SCG	2022	12.8	124.0	9,669	7,261	48.0	3.0%
include	G0084	Carson Cogen Co. 1	NG SCG	2023	11.1	107.2	9,669	6,275	48.0	2.6%
include	G0084	Carson Cogen Co. 1	NG SCG	2024	10.0	97.1	9,680	5,686	48.0	2.4%
include	G0084	Carson Cogen Co. 1	NG SCG	2025	10.3	99.9	9,665	5,849	48.0	2.5%
include	G0084	Carson Cogen Co. 1	NG SCG	2026	11.1	108.0	9,712	6,322	48.0	2.6%
include	G0084	Carson Cogen Co. 1	NG SCG	2027	11.0	106.9	9,712	6,261	48.0	2.6%
include	G0085	Carson Ice CG CC	NG SMUD	2020	199.8	1,016.8	5,090	59,536	57.8	39.3%
include	G0085	Carson Ice CG CC	NG SMUD	2021	202.5	1,031.0	5,090	60,363	57.8	39.9%
include	G0085	Carson Ice CG CC	NG SMUD	2022	199.8	1,016.8	5,090	59,536	57.8	39.3%
include	G0085	Carson Ice CG CC	NG SMUD	2023	212.2	1,080.4	5,090	63,257	57.8	41.8%
include	G0085	Carson Ice CG CC	NG SMUD	2024	195.6	995.7	5,090	58,296	57.8	38.5%
include	G0085	Carson Ice CG CC	NG SMUD	2025	205.3	1,045.1	5,090	61,190	57.8	40.4%
include	G0085	Carson Ice CG CC	NG SMUD	2026	197.0	1,002.7	5,090	58,707	57.8	38.8%
include	G0085	Carson Ice CG CC	NG SMUD	2027	195.1	992.9	5,090	58,137	57.8	38.4%
include	G0085	Carson Ice CG GT1	NG SMUD	2020	134.0	890.5	6,647	52,140	43.2	35.3%
include	G0085	Carson Ice CG GT1	NG SMUD	2021	141.8	942.5	6,647	55,186	43.2	37.4%
include	G0085	Carson Ice CG GT1	NG SMUD	2022	134.5	893.8	6,647	52,329	43.2	35.4%
include	G0085	Carson Ice CG GT1	NG SMUD	2023	134.2	892.2	6,647	52,239	43.2	35.4%
include	G0085	Carson Ice CG GT1	NG SMUD	2024	139.3	926.1	6,647	54,226	43.2	36.7%
include	G0085	Carson Ice CG GT1	NG SMUD	2025	140.3	932.4	6,647	54,595	43.2	37.0%
include	G0085	Carson Ice CG GT1	NG SMUD	2026	141.4	939.5	6,647	55,010	43.2	37.3%
include	G0085	Carson Ice CG GT1	NG SMUD	2027	140.0	930.4	6,647	54,477	43.2	36.9%
include	G0429	Chalk Cliff CG 1	NG TEOR Cogen	2020	107.8	949.0	8,803	55,564	30.6	40.1%
include	G0429	Chalk Cliff CG 1	NG TEOR Cogen	2021	77.7	683.9	8,803	40,040	30.6	28.9%
include	G0429	Chalk Cliff CG 1	NG TEOR Cogen	2022	70.5	621.0	8,803	36,358	30.6	26.3%
include	G0429	Chalk Cliff CG 1	NG TEOR Cogen	2023	58.9	518.6	8,803	30,363	31.4	21.4%
include	G0429	Chalk Cliff CG 1	NG TEOR Cogen	2024	50.5	444.5	8,803	26,023	30.6	18.8%
include	G0429	Chalk Cliff CG 1	NG TEOR Cogen	2025	48.2	424.1	8,803	24,833	30.6	17.9%

111(d) designation	CEC Plant ID	PLEXOS Unit Name	Fuel Price Index	Datetime	Generation (GWh)	Fuel Use(1000 MMBTU)	Implied Heat rate(BTU/KWh)	CO2e emissions (M short tons)	Rated Capacity (MW)	Capacity Factor (%)
include	G0429	Chalk Cliff CG 1	NG TEOR Cogen	2026	49.5	435.4	8,803	25,491	30.6	18.4%
include	G0429	Chalk Cliff CG 1	NG TEOR Cogen	2027	49.0	431.2	8,803	25,244	30.6	18.2%
include	G0923	Clearwater Cogen 1	NG SCG	2020	22.2	151.6	6,816	8,873	28.0	9.0%
include	G0923	Clearwater Cogen 1	NG SCG	2021	22.2	151.2	6,810	8,852	28.0	9.0%
include	G0923	Clearwater Cogen 1	NG SCG	2022	22.2	150.9	6,798	8,836	28.0	9.0%
include	G0923	Clearwater Cogen 1	NG SCG	2023	22.2	150.9	6,798	8,836	28.0	9.0%
include	G0923	Clearwater Cogen 1	NG SCG	2024	22.2	151.1	6,796	8,847	28.0	9.0%
include	G0923	Clearwater Cogen 1	NG SCG	2025	22.2	150.1	6,761	8,788	28.0	9.0%
include	G0923	Clearwater Cogen 1	NG SCG	2026	22.2	150.4	6,773	8,804	28.0	9.0%
include	G0923	Clearwater Cogen 1	NG SCG	2027	22.0	148.9	6,773	8,718	28.0	8.9%
include	G0934	Colusa Gener 1A	NG PG&E LT	2020	1,713.1	12,157.5	7,097	711,821	330.0	59.1%
include	G0934	Colusa Gener 1A	NG PG&E LT	2021	1,489.5	10,569.9	7,096	618,868	330.0	51.4%
include	G0934	Colusa Gener 1A	NG PG&E LT	2022	1,295.6	9,193.2	7,096	538,260	330.0	44.7%
include	G0934	Colusa Gener 1A	NG PG&E LT	2023	1,273.3	9,034.6	7,096	528,975	330.0	43.9%
include	G0934	Colusa Gener 1A	NG PG&E LT	2024	1,243.2	8,820.0	7,095	516,412	330.0	42.9%
include	G0934	Colusa Gener 1A	NG PG&E LT	2025	1,203.0	8,535.3	7,095	499,741	330.0	41.5%
include	G0934	Colusa Gener 1A	NG PG&E LT	2026	1,219.7	8,652.5	7,094	506,602	330.0	42.1%
include	G0934	Colusa Gener 1A	NG PG&E LT	2027	1,207.8	8,568.6	7,094	501,689	330.0	41.7%
include	G0934	Colusa Gener 1B	NG PG&E LT	2020	1,646.5	11,684.8	7,097	684,142	330.0	56.8%
include	G0934	Colusa Gener 1B	NG PG&E LT	2021	1,321.3	9,376.2	7,096	548,975	330.0	45.6%
include	G0934	Colusa Gener 1B	NG PG&E LT	2022	1,369.0	9,713.9	7,096	568,748	330.0	47.2%
include	G0934	Colusa Gener 1B	NG PG&E LT	2023	1,143.6	8,114.6	7,096	475,107	330.0	39.5%
include	G0934	Colusa Gener 1B	NG PG&E LT	2024	1,244.0	8,825.5	7,095	516,735	330.0	42.9%
include	G0934	Colusa Gener 1B	NG PG&E LT	2025	1,439.9	10,215.7	7,095	598,129	330.0	49.7%
include	G0934	Colusa Gener 1B	NG PG&E LT	2026	1,315.7	9,333.9	7,094	546,498	330.0	45.4%
include	G0934	Colusa Gener 1B	NG PG&E LT	2027	1,303.0	9,243.4	7,094	541,198	330.0	44.9%
Include	G0149	Corona Cogen 1	NG SCG	2020	127.2	761.4	5,988	44,580	25.7	56.4%
Include	G0149	Corona Cogen 1	NG SCG	2021	126.8	758.9	5,983	44,432	25.7	56.3%
Include	G0149	Corona Cogen 1	NG SCG	2022	126.8	759.5	5,988	44,468	25.7	56.3%
Include	G0149	Corona Cogen 1	NG SCG	2023	126.8	759.2	5,986	44,454	25.7	56.3%
Include	G0149	Corona Cogen 1	NG SCG	2024	127.2	759.5	5,973	44,471	25.7	56.4%
Include	G0149	Corona Cogen 1	NG SCG	2025	126.8	758.5	5,980	44,410	25.7	56.3%
Include	G0149	Corona Cogen 1	NG SCG	2026	126.8	757.6	5,973	44,359	25.7	56.3%
Include	G0149	Corona Cogen 1	NG SCG	2027	125.6	750.3	5,973	43,929	25.7	55.7%
include	G0889	Cosumnes River 1a	NG SMUD	2020	1,772.4	12,979.3	7,323	759,937	249.1	81.0%
include	G0889	Cosumnes River 1a	NG SMUD	2021	1,695.8	12,418.3	7,323	727,092	249.1	77.5%
include	G0889	Cosumnes River 1a	NG SMUD	2022	1,642.4	12,026.8	7,323	704,167	249.1	75.1%
include	G0889	Cosumnes River 1a	NG SMUD	2023	1,624.2	11,893.0	7,322	696,335	249.1	74.2%
include	G0889	Cosumnes River 1a	NG SMUD	2024	1,557.7	11,405.8	7,322	667,811	249.1	71.2%
include	G0889	Cosumnes River 1a	NG SMUD	2025	1,459.5	10,686.7	7,322	625,707	249.1	66.7%
include	G0889	Cosumnes River 1a	NG SMUD	2026	1,429.6	10,466.4	7,321	612,810	249.1	65.3%
include	G0889	Cosumnes River 1a	NG SMUD	2027	1,415.8	10,364.9	7,321	606,867	249.1	64.7%
include	G0889	Cosumnes River 1b	NG SMUD	2020	1,797.0	13,162.9	7,325	770,687	249.1	82.1%
include	G0889	Cosumnes River 1b	NG SMUD	2021	1,747.0	12,797.1	7,325	749,269	249.1	79.8%

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include	G0889	Cosumnes River 1b	NG SMUD	2022	1,697.0	12,431.9	7,326	727,887	249.1	77.6%
include	G0889	Cosumnes River 1b	NG SMUD	2023	1,659.2	12,155.5	7,326	711,707	249.1	75.8%
include	G0889	Cosumnes River 1b	NG SMUD	2024	1,501.2	10,999.0	7,327	643,992	249.1	68.6%
include	G0889	Cosumnes River 1b	NG SMUD	2025	1,509.7	11,061.8	7,327	647,671	249.1	69.0%
include	G0889	Cosumnes River 1b	NG SMUD	2026	1,457.0	10,676.1	7,328	625,085	249.1	66.6%
include	G0889	Cosumnes River 1b	NG SMUD	2027	1,442.9	10,572.5	7,328	619,023	249.1	65.9%
include	G0161	Crockett Cogen 1	NG PG&E LT	2020	1,761.8	9,073.2	5,150	531,235	247.4	81.1%
include	G0161	Crockett Cogen 1	NG PG&E LT	2021	1,756.5	9,045.7	5,150	529,628	247.4	80.8%
include	G0161	Crockett Cogen 1	NG PG&E LT	2022	1,756.5	9,045.7	5,150	529,628	247.4	80.8%
include	G0161	Crockett Cogen 1	NG PG&E LT	2023	1,756.5	9,045.7	5,150	529,628	247.4	80.8%
include	G0161	Crockett Cogen 1	NG PG&E LT	2024	1,761.8	9,073.2	5,150	531,235	247.4	81.1%
include	G0161	Crockett Cogen 1	NG PG&E LT	2025	1,756.5	9,045.7	5,150	529,628	247.4	80.8%
include	G0161	Crockett Cogen 1	NG PG&E LT	2026	1,756.5	9,045.7	5,150	529,628	247.4	80.8%
include	G0161	Crockett Cogen 1	NG PG&E LT	2027	1,739.4	8,958.0	5,150	524,492	247.4	80.0%
include	G0783	Delta Energy 1a	NG PG&E BB	2020	6,150.1	42,944.1	6,983	2,514,379	833.1	84.0%
include	G0783	Delta Energy 1a	NG PG&E BB	2021	5,885.5	41,075.7	6,979	2,404,985	833.1	80.4%
include	G0783	Delta Energy 1a	NG PG&E BB	2022	5,838.8	40,697.9	6,970	2,382,862	833.1	79.8%
include	G0783	Delta Energy 1a	NG PG&E BB	2023	5,650.3	39,365.2	6,967	2,304,832	833.1	77.2%
include	G0783	Delta Energy 1a	NG PG&E BB	2024	5,603.6	39,036.8	6,966	2,285,607	833.1	76.6%
include	G0783	Delta Energy 1a	NG PG&E BB	2025	5,604.9	39,045.6	6,966	2,286,118	833.1	76.6%
include	G0783	Delta Energy 1a	NG PG&E BB	2026	5,436.3	37,856.8	6,964	2,216,517	833.1	74.3%
include	G0783	Delta Energy 1a	NG PG&E BB	2027	5,383.6	37,489.7	6,964	2,195,021	833.1	73.6%
include	G0169	Donald Von Raesfeld 1a	NG PG&E BB	2020	5.1	38.6	7,552	2,261	60.5	1.0%
include	G0169	Donald Von Raesfeld 1a	NG PG&E BB	2021	-	-	-	-	60.5	0.0%
include	G0169	Donald Von Raesfeld 1a	NG PG&E BB	2022	-	-	-	-	60.5	0.0%
include	G0169	Donald Von Raesfeld 1a	NG PG&E BB	2023	2.1	15.7	7,546	917	60.5	0.4%
include	G0169	Donald Von Raesfeld 1a	NG PG&E BB	2024	-	-	-	-	60.5	0.0%
include	G0169	Donald Von Raesfeld 1a	NG PG&E BB	2025	-	-	-	-	60.5	0.0%
include	G0169	Donald Von Raesfeld 1a	NG PG&E BB	2026	-	-	-	-	60.5	0.0%
include	G0169	Donald Von Raesfeld 1a	NG PG&E BB	2027	-	-	-	-	60.5	0.0%
include	G0169	Donald Von Raesfeld 1b	NG PG&E BB	2020	5.3	40.2	7,554	2,351	60.5	1.0%
include	G0169	Donald Von Raesfeld 1b	NG PG&E BB	2021	-	-	-	-	60.5	0.0%
include	G0169	Donald Von Raesfeld 1b	NG PG&E BB	2022	-	-	-	-	60.5	0.0%
include	G0169	Donald Von Raesfeld 1b	NG PG&E BB	2023	2.6	20.0	7,571	1,173	60.5	0.5%
include	G0169	Donald Von Raesfeld 1b	NG PG&E BB	2024	-	-	-	-	60.5	0.0%
include	G0169	Donald Von Raesfeld 1b	NG PG&E BB	2025	-	-	-	-	60.5	0.0%
include	G0169	Donald Von Raesfeld 1b	NG PG&E BB	2026	3.2	24.2	7,644	1,417	60.5	0.6%
include	G0169	Donald Von Raesfeld 1b	NG PG&E BB	2027	3.1	24.0	7,644	1,404	60.5	0.6%
include	G0190	El Centro 4	NG SCG	2020	-	-	-	-	73.9	0.0%
include	G0190	El Centro 4	NG SCG	2021	-	-	-	-	73.9	0.0%
include	G0190	El Centro 4	NG SCG	2022	-	-	-	-	73.9	0.0%
include	G0190	El Centro 4	NG SCG	2023	-	-	-	-	73.9	0.0%
include	G0190	El Centro 4	NG SCG	2024	-	-	-	-	73.9	0.0%
include	G0190	El Centro 4	NG SCG	2025	-	-	-	-	73.9	0.0%

111(d) designation	CEC Plant ID	PLEXOS Unit Name	Fuel Price Index	Datetime	Generation (GWh)	Fuel Use(1000 MMBTU)	Implied Heat rate(BTU/KWh)	CO2e emissions (M short tons)	Rated Capacity (MW)	Capacity Factor (%)
include	G0190	El Centro 4	NG SCG	2026	-	-	-	-	73.9	0.0%
include	G0190	El Centro 4	NG SCG	2027	-	-	-	-	73.9	0.0%
include	G0190	El Centro CC 2	NG SCG	2020	-	-	-	-	115.0	0.0%
include	G0190	El Centro CC 2	NG SCG	2021	-	-	-	-	115.0	0.0%
include	G0190	El Centro CC 2	NG SCG	2022	-	-	-	-	115.0	0.0%
include	G0190	El Centro CC 2	NG SCG	2023	0.3	3.1	9,119	180	115.0	0.0%
include	G0190	El Centro CC 2	NG SCG	2024	-	-	-	-	115.0	0.0%
include	G0190	El Centro CC 2	NG SCG	2025	0.7	6.1	9,207	358	115.0	0.1%
include	G0190	El Centro CC 2	NG SCG	2026	1.2	10.7	9,329	628	115.0	0.1%
include	G0190	El Centro CC 2	NG SCG	2027	1.1	10.6	9,329	622	115.0	0.1%
include	G0190	El Centro CC 3	NG SCG	2020	7.6	60.2	7,950	3,526	165.0	0.5%
include	G0190	El Centro CC 3	NG SCG	2021	8.6	68.7	7,988	4,024	165.0	0.6%
include	G0190	El Centro CC 3	NG SCG	2022	10.7	85.7	7,988	5,019	165.0	0.7%
include	G0190	El Centro CC 3	NG SCG	2023	19.4	154.5	7,976	9,044	165.0	1.3%
include	G0190	El Centro CC 3	NG SCG	2024	16.7	133.4	7,993	7,809	165.0	1.2%
include	G0190	El Centro CC 3	NG SCG	2025	23.0	183.7	7,986	10,755	165.0	1.6%
include	G0190	El Centro CC 3	NG SCG	2026	34.6	276.0	7,982	16,157	165.0	2.4%
include	G0190	El Centro CC 3	NG SCG	2027	34.2	273.3	7,982	16,001	165.0	2.4%
include	G0053	El Segundo 5a	NG SCG	2020	1,950.7	13,152.2	6,742	770,063	275.0	80.8%
include	G0053	El Segundo 5a	NG SCG	2021	1,901.3	12,820.5	6,743	750,640	275.0	78.7%
include	G0053	El Segundo 5a	NG SCG	2022	1,879.2	12,676.0	6,745	742,180	275.0	77.8%
include	G0053	El Segundo 5a	NG SCG	2023	1,757.5	11,849.0	6,742	693,759	275.0	72.8%
include	G0053	El Segundo 5a	NG SCG	2024	1,733.3	11,692.4	6,746	684,590	275.0	71.8%
include	G0053	El Segundo 5a	NG SCG	2025	1,786.6	12,044.6	6,742	705,209	275.0	74.0%
include	G0053	El Segundo 5a	NG SCG	2026	1,748.8	11,798.8	6,747	690,822	275.0	72.4%
include	G0053	El Segundo 5a	NG SCG	2027	1,731.8	11,684.4	6,747	684,122	275.0	71.7%
include	G0053	El Segundo 5b	NG SCG	2020	1,972.2	13,294.0	6,741	778,363	275.0	81.6%
include	G0053	El Segundo 5b	NG SCG	2021	1,911.1	12,884.8	6,742	754,405	275.0	79.1%
include	G0053	El Segundo 5b	NG SCG	2022	1,824.4	12,304.0	6,744	720,399	275.0	75.5%
include	G0053	El Segundo 5b	NG SCG	2023	1,819.0	12,269.8	6,746	718,397	275.0	75.3%
include	G0053	El Segundo 5b	NG SCG	2024	1,780.0	12,005.6	6,745	702,930	275.0	73.7%
include	G0053	El Segundo 5b	NG SCG	2025	1,779.9	12,005.8	6,745	702,940	275.0	73.7%
include	G0053	El Segundo 5b	NG SCG	2026	1,756.2	11,849.8	6,748	693,807	275.0	72.7%
include	G0053	El Segundo 5b	NG SCG	2027	1,739.1	11,734.9	6,748	687,078	275.0	72.0%
include	G0799	Elk Hills CC 1	NG S Cal Prod	2020	2,273.3	15,399.7	6,774	901,652	308.5	83.9%
include	G0799	Elk Hills CC 1	NG S Cal Prod	2021	2,251.8	15,212.1	6,756	890,669	308.5	83.1%
include	G0799	Elk Hills CC 1	NG S Cal Prod	2022	2,232.7	15,067.2	6,748	882,187	308.5	82.4%
include	G0799	Elk Hills CC 1	NG S Cal Prod	2023	2,243.9	15,125.3	6,741	885,587	308.5	82.8%
include	G0799	Elk Hills CC 1	NG S Cal Prod	2024	2,207.3	14,867.4	6,736	870,488	308.5	81.5%
include	G0799	Elk Hills CC 1	NG S Cal Prod	2025	2,200.9	14,825.4	6,736	868,029	308.5	81.2%
include	G0799	Elk Hills CC 1	NG S Cal Prod	2026	2,211.2	14,894.0	6,736	872,046	308.5	81.6%
include	G0799	Elk Hills CC 1	NG S Cal Prod	2027	2,189.8	14,749.6	6,736	863,589	308.5	80.8%
include	G0799	Elk Hills CC 2	NG S Cal Prod	2020	2,279.5	15,444.1	6,775	904,251	308.5	84.1%
include	G0799	Elk Hills CC 2	NG S Cal Prod	2021	2,213.4	14,953.1	6,756	875,506	308.5	81.7%

111(d) designation	CEC Plant ID	PLEXOS Unit Name	Fuel Price Index	Datetime	Generation (GWh)	Fuel Use(1000 MMBTU)	Implied Heat rate(BTU/KWh)	CO2e emissions (M short tons)	Rated Capacity (MW)	Capacity Factor (%)
include	G0799	Elk Hills CC 2	NG S Cal Prod	2022	2,221.7	14,993.2	6,749	877,850	308.5	82.0%
include	G0799	Elk Hills CC 2	NG S Cal Prod	2023	2,229.3	15,029.1	6,742	879,955	308.5	82.3%
include	G0799	Elk Hills CC 2	NG S Cal Prod	2024	2,233.0	15,038.5	6,735	880,503	308.5	82.4%
include	G0799	Elk Hills CC 2	NG S Cal Prod	2025	2,224.6	14,986.1	6,737	877,436	308.5	82.1%
include	G0799	Elk Hills CC 2	NG S Cal Prod	2026	2,211.9	14,899.2	6,736	872,348	308.5	81.6%
include	G0799	Elk Hills CC 2	NG S Cal Prod	2027	2,190.4	14,754.7	6,736	863,888	308.5	80.8%
include	G0201	Etiwanda 3	NG SCG	2020	282.9	4,145.7	14,652	242,733	320.0	10.1%
include	G0201	Etiwanda 3	NG SCG	2021	283.3	4,145.0	14,631	242,689	320.0	10.1%
include	G0201	Etiwanda 3	NG SCG	2022	283.3	4,150.5	14,649	243,015	320.0	10.1%
include	G0201	Etiwanda 4	NG SCG	2020	-	-	-	-	320.0	0.0%
include	G0201	Etiwanda 4	NG SCG	2021	-	-	-	-	320.0	0.0%
include	G0201	Etiwanda 4	NG SCG	2022	-	-	-	-	320.0	0.0%
include	G0384	Fresno Cogen 1b	NG PG&E LT	2020	23.2	137.6	5,922	8,056	50.5	5.2%
include	G0384	Fresno Cogen 1b	NG PG&E LT	2021	23.2	137.3	5,922	8,039	50.5	5.2%
include	G0384	Fresno Cogen 1b	NG PG&E LT	2022	23.2	137.3	5,922	8,039	50.5	5.2%
include	G0384	Fresno Cogen 1b	NG PG&E LT	2023	23.2	137.3	5,922	8,039	50.5	5.2%
include	G0384	Fresno Cogen 1b	NG PG&E LT	2024	23.2	137.6	5,922	8,056	50.5	5.2%
include	G0384	Fresno Cogen 1b	NG PG&E LT	2025	23.2	137.3	5,922	8,039	50.5	5.2%
include	G0384	Fresno Cogen 1b	NG PG&E LT	2026	23.2	137.3	5,922	8,039	50.5	5.2%
include	G0384	Fresno Cogen 1b	NG PG&E LT	2027	23.0	136.0	5,922	7,961	50.5	5.2%
include	G0950	Gateway Generating 8a	NG PG&E LT	2020	1,316.2	9,483.9	7,205	555,280	306.0	49.0%
include	G0950	Gateway Generating 8a	NG PG&E LT	2021	1,016.9	7,310.1	7,189	428,007	306.0	37.8%
include	G0950	Gateway Generating 8a	NG PG&E LT	2022	1,030.7	7,408.6	7,188	433,771	306.0	38.3%
include	G0950	Gateway Generating 8a	NG PG&E LT	2023	849.9	6,103.1	7,181	357,335	306.0	31.6%
include	G0950	Gateway Generating 8a	NG PG&E LT	2024	697.0	5,002.5	7,177	292,897	306.0	25.9%
include	G0950	Gateway Generating 8a	NG PG&E LT	2025	982.0	7,051.8	7,181	412,881	306.0	36.5%
include	G0950	Gateway Generating 8a	NG PG&E LT	2026	919.5	6,601.5	7,180	386,519	306.0	34.2%
include	G0950	Gateway Generating 8a	NG PG&E LT	2027	910.5	6,537.5	7,180	382,770	306.0	33.9%
include	G0950	Gateway Generating 8b	NG PG&E LT	2020	1,406.9	10,136.7	7,205	593,504	306.0	52.3%
include	G0950	Gateway Generating 8b	NG PG&E LT	2021	1,001.1	7,194.3	7,186	421,228	306.0	37.2%
include	G0950	Gateway Generating 8b	NG PG&E LT	2022	1,016.4	7,305.5	7,188	427,734	306.0	37.8%
include	G0950	Gateway Generating 8b	NG PG&E LT	2023	868.9	6,234.0	7,175	364,999	306.0	32.3%
include	G0950	Gateway Generating 8b	NG PG&E LT	2024	857.3	6,152.4	7,176	360,221	306.0	31.9%
include	G0950	Gateway Generating 8b	NG PG&E LT	2025	976.7	7,012.6	7,180	410,585	306.0	36.3%
include	G0950	Gateway Generating 8b	NG PG&E LT	2026	1,004.2	7,208.0	7,178	422,028	306.0	37.4%
include	G0950	Gateway Generating 8b	NG PG&E LT	2027	994.5	7,138.1	7,178	417,935	306.0	37.0%
include	G0229	Gilroy Power Plant 1	NG PG&E LT	2020	61.7	326.5	5,292	19,117	105.0	6.7%
include	G0229	Gilroy Power Plant 1	NG PG&E LT	2021	61.4	324.7	5,292	19,013	105.0	6.7%
include	G0229	Gilroy Power Plant 1	NG PG&E LT	2022	61.4	324.7	5,292	19,013	105.0	6.7%
include	G0229	Gilroy Power Plant 1	NG PG&E LT	2023	61.4	324.7	5,292	19,013	105.0	6.7%
include	G0229	Gilroy Power Plant 1	NG PG&E LT	2024	61.7	326.5	5,292	19,117	105.0	6.7%
include	G0229	Gilroy Power Plant 1	NG PG&E LT	2025	61.4	324.7	5,292	19,013	105.0	6.7%
include	G0229	Gilroy Power Plant 1	NG PG&E LT	2026	61.4	324.7	5,292	19,013	105.0	6.7%
include	G0229	Gilroy Power Plant 1	NG PG&E LT	2027	60.8	321.6	5,292	18,828	105.0	6.6%



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include	G0233	Goal Line Cogen 1	NG SDG&E	2020	268.9	1,394.3	5,186	81,635	34.8	88.0%
include	G0233	Goal Line Cogen 1	NG SDG&E	2021	267.0	1,384.6	5,186	81,071	34.8	87.4%
include	G0233	Goal Line Cogen 1	NG SDG&E	2022	265.9	1,378.8	5,186	80,727	34.8	87.0%
include	G0233	Goal Line Cogen 1	NG SDG&E	2023	264.7	1,372.6	5,186	80,364	34.8	86.6%
include	G0233	Goal Line Cogen 1	NG SDG&E	2024	262.8	1,363.0	5,186	79,802	34.8	86.0%
include	G0233	Goal Line Cogen 1	NG SDG&E	2025	261.6	1,356.7	5,186	79,432	34.8	85.6%
include	G0233	Goal Line Cogen 1	NG SDG&E	2026	260.3	1,349.8	5,186	79,032	34.8	85.2%
include	G0233	Goal Line Cogen 1	NG SDG&E	2027	257.8	1,336.7	5,186	78,266	34.8	84.3%
include	G0236	Grayson 5	NG SCG/Landfill Gas	2020	187.6	2,280.4	12,159	132,469	44.0	48.5%
include	G0236	Grayson 5	NG SCG/Landfill Gas	2021	225.8	2,743.9	12,155	159,393	44.0	58.4%
include	G0236	Grayson 5	NG SCG/Landfill Gas	2022	223.0	2,708.8	12,149	157,354	44.0	57.7%
include	G0236	Grayson 5	NG SCG/Landfill Gas	2023	236.2	2,868.5	12,145	166,627	44.0	61.1%
include	G0236	Grayson 5	NG SCG/Landfill Gas	2024	-	-	-	-	-	0.0%
include	G0236	Grayson 5	NG SCG/Landfill Gas	2025	-	-	-	-	-	0.0%
include	G0236	Grayson 5	NG SCG/Landfill Gas	2026	-	-	-	-	-	0.0%
include	G0236	Grayson 5	NG SCG/Landfill Gas	2027	-	-	-	-	-	0.0%
include	G0236	Grayson CC A	NG SCG	2020	-	-	-	-	50.0	0.0%
include	G0236	Grayson CC A	NG SCG	2021	-	-	-	-	50.0	0.0%
include	G0236	Grayson CC A	NG SCG	2022	-	-	-	-	50.0	0.0%
include	G0236	Grayson CC A	NG SCG	2023	-	-	-	-	50.0	0.0%
include	G0236	Grayson CC A	NG SCG	2024	-	-	-	-	50.0	0.0%
include	G0236	Grayson CC A	NG SCG	2025	-	-	-	-	50.0	0.0%
include	G0236	Grayson CC A	NG SCG	2026	-	-	-	-	50.0	0.0%
include	G0236	Grayson CC A	NG SCG	2027	-	-	-	-	50.0	0.0%
include	G0236	Grayson CC BC	NG SCG	2020	-	-	-	-	80.0	0.0%
include	G0236	Grayson CC BC	NG SCG	2021	-	-	-	-	80.0	0.0%
include	G0236	Grayson CC BC	NG SCG	2022	-	-	-	-	80.0	0.0%
include	G0236	Grayson CC BC	NG SCG	2023	-	-	-	-	80.0	0.0%
include	G0236	Grayson CC BC	NG SCG	2024	-	-	-	-	80.0	0.0%
include	G0236	Grayson CC BC	NG SCG	2025	-	-	-	-	80.0	0.0%
include	G0236	Grayson CC BC	NG SCG	2026	0.7	6.3	8,772	370	80.0	0.1%
include	G0236	Grayson CC BC	NG SCG	2027	0.7	6.3	8,772	366	80.0	0.1%
include	G0238	Greenleaf 1	NG PG&E LT	2020	9.1	82.8	9,120	4,851	46.9	2.2%
include	G0238	Greenleaf 1	NG PG&E LT	2021	9.5	86.2	9,120	5,047	46.9	2.3%
include	G0238	Greenleaf 1	NG PG&E LT	2022	9.5	86.5	9,120	5,064	46.9	2.3%
include	G0238	Greenleaf 1	NG PG&E LT	2023	8.5	77.9	9,120	4,559	47.0	2.1%
include	G0238	Greenleaf 1	NG PG&E LT	2024	6.0	54.8	9,120	3,209	46.9	1.5%
include	G0238	Greenleaf 1	NG PG&E LT	2025	6.6	60.4	9,120	3,537	46.9	1.6%
include	G0238	Greenleaf 1	NG PG&E LT	2026	6.7	60.8	9,120	3,561	46.9	1.6%
include	G0238	Greenleaf 1	NG PG&E LT	2027	6.6	60.2	9,120	3,526	46.9	1.6%
include	G0239	Greenleaf 2	NG PG&E LT	2020	264.2	1,514.1	5,731	88,648	40.0	75.3%
include	G0239	Greenleaf 2	NG PG&E LT	2021	263.4	1,509.7	5,731	88,396	40.0	75.1%
include	G0239	Greenleaf 2	NG PG&E LT	2022	263.4	1,509.6	5,731	88,389	40.0	75.1%
include	G0239	Greenleaf 2	NG PG&E LT	2023	263.3	1,509.2	5,731	88,362	35.0	85.6%

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include	G0239	Greenleaf 2	NG PG&E LT	2024	264.0	1,512.7	5,731	88,570	40.0	75.2%
include	G0239	Greenleaf 2	NG PG&E LT	2025	263.3	1,509.2	5,731	88,363	40.0	75.0%
include	G0239	Greenleaf 2	NG PG&E LT	2026	263.0	1,507.2	5,731	88,247	40.0	74.9%
include	G0239	Greenleaf 2	NG PG&E LT	2027	260.4	1,492.6	5,731	87,391	40.0	74.2%
include	G0245	Harbor CC 1	NG SCG	2020	538.1	3,205.5	5,957	187,683	122.8	49.9%
include	G0245	Harbor CC 1	NG SCG	2021	639.4	3,831.8	5,993	224,353	122.8	59.3%
include	G0245	Harbor CC 1	NG SCG	2022	592.0	3,551.3	5,998	207,929	122.8	54.9%
include	G0245	Harbor CC 1	NG SCG	2023	685.9	4,077.5	5,945	238,737	122.8	63.6%
include	G0245	Harbor CC 1	NG SCG	2024	691.2	4,092.2	5,921	239,596	122.8	64.1%
include	G0245	Harbor CC 1	NG SCG	2025	744.2	4,363.0	5,862	255,456	122.8	69.0%
include	G0245	Harbor CC 1	NG SCG	2026	777.1	4,623.0	5,949	270,677	122.8	72.0%
include	G0245	Harbor CC 1	NG SCG	2027	769.6	4,578.2	5,949	268,052	122.8	71.3%
include	G0245	Harbor CC 2	NG SCG	2020	550.3	3,315.0	6,023	194,091	122.8	51.0%
include	G0245	Harbor CC 2	NG SCG	2021	638.5	3,825.5	5,991	223,983	122.8	59.2%
include	G0245	Harbor CC 2	NG SCG	2022	589.9	3,532.0	5,987	206,798	122.8	54.7%
include	G0245	Harbor CC 2	NG SCG	2023	707.8	4,273.8	6,038	250,229	122.8	65.6%
include	G0245	Harbor CC 2	NG SCG	2024	723.4	4,381.9	6,058	256,560	122.8	67.0%
include	G0245	Harbor CC 2	NG SCG	2025	809.5	4,944.5	6,108	289,500	122.8	75.0%
include	G0245	Harbor CC 2	NG SCG	2026	799.3	4,822.9	6,034	282,382	122.8	74.1%
include	G0245	Harbor CC 2	NG SCG	2027	791.6	4,776.1	6,034	279,643	122.8	73.4%
include	G0246	Harbor CGCC 1	NG SCG	2020	24.3	228.9	9,430	13,399	100.0	2.8%
include	G0246	Harbor CGCC 1	NG SCG	2021	24.1	228.2	9,464	13,361	100.0	2.7%
include	G0246	Harbor CGCC 1	NG SCG	2022	24.1	228.2	9,464	13,361	100.0	2.7%
include	G0246	Harbor CGCC 1	NG SCG	2023	24.1	227.8	9,450	13,341	100.0	2.7%
include	G0246	Harbor CGCC 1	NG SCG	2024	24.3	229.2	9,445	13,420	100.0	2.8%
include	G0246	Harbor CGCC 1	NG SCG	2025	24.1	228.2	9,464	13,361	100.0	2.7%
include	G0246	Harbor CGCC 1	NG SCG	2026	24.1	228.2	9,464	13,361	100.0	2.7%
include	G0246	Harbor CGCC 1	NG SCG	2027	23.9	226.0	9,464	13,231	100.0	2.7%
include	G0249	Haynes 1	NG SCG	2020	-	-	-	-	222.0	0.0%
include	G0249	Haynes 1	NG SCG	2021	-	-	-	-	222.0	0.0%
include	G0249	Haynes 1	NG SCG	2022	-	-	-	-	222.0	0.0%
include	G0249	Haynes 1	NG SCG	2023	-	-	-	-	222.0	0.0%
include	G0249	Haynes 1	NG SCG	2024	-	-	-	-	222.0	0.0%
include	G0249	Haynes 1	NG SCG	2025	-	-	-	-	222.0	0.0%
include	G0249	Haynes 1	NG SCG	2026	0.1	1.2	12,104	70	222.0	0.0%
include	G0249	Haynes 1	NG SCG	2027	0.1	1.2	12,104	69	222.0	0.0%
include	G0249	Haynes 2	NG SCG	2020	-	-	-	-	222.0	0.0%
include	G0249	Haynes 2	NG SCG	2021	-	-	-	-	222.0	0.0%
include	G0249	Haynes 2	NG SCG	2022	-	-	-	-	222.0	0.0%
include	G0249	Haynes 2	NG SCG	2023	-	-	-	-	222.0	0.0%
include	G0249	Haynes 2	NG SCG	2024	-	-	-	-	222.0	0.0%
include	G0249	Haynes 2	NG SCG	2025	-	-	-	-	222.0	0.0%
include	G0249	Haynes 2	NG SCG	2026	-	-	-	-	222.0	0.0%
include	G0249	Haynes 2	NG SCG	2027	-	-	-	-	222.0	0.0%

111(d) designation	CEC Plant ID	PLEXOS Unit Name	Fuel Price Index	Datetime	Generation (GWh)	Fuel Use(1000 MMBTU)	Implied Heat rate(BTU/KWh)	CO2e emissions (M short tons)	Rated Capacity (MW)	Capacity Factor (%)
include	G0249	Haynes Rpwr 8-10a	NG SCG	2020	-	-	-	-	227.5	0.0%
include	G0249	Haynes Rpwr 8-10a	NG SCG	2021	-	-	-	-	227.5	0.0%
include	G0249	Haynes Rpwr 8-10a	NG SCG	2022	-	-	-	-	227.5	0.0%
include	G0249	Haynes Rpwr 8-10a	NG SCG	2023	-	-	-	-	227.5	0.0%
include	G0249	Haynes Rpwr 8-10a	NG SCG	2024	-	-	-	-	227.5	0.0%
include	G0249	Haynes Rpwr 8-10a	NG SCG	2025	0.7	4.8	7,195	282	227.5	0.0%
include	G0249	Haynes Rpwr 8-10a	NG SCG	2026	33.0	237.0	7,178	13,876	227.5	1.7%
include	G0249	Haynes Rpwr 8-10a	NG SCG	2027	32.7	234.7	7,178	13,741	227.5	1.6%
include	G0249	Haynes Rpwr 8-10b	NG SCG	2020	-	-	-	-	248.7	0.0%
include	G0249	Haynes Rpwr 8-10b	NG SCG	2021	18.7	133.7	7,164	7,826	248.7	0.9%
include	G0249	Haynes Rpwr 8-10b	NG SCG	2022	31.0	222.2	7,171	13,011	248.7	1.4%
include	G0249	Haynes Rpwr 8-10b	NG SCG	2023	19.5	140.0	7,173	8,197	248.7	0.9%
include	G0249	Haynes Rpwr 8-10b	NG SCG	2024	34.7	249.9	7,202	14,630	248.7	1.6%
include	G0249	Haynes Rpwr 8-10b	NG SCG	2025	263.9	1,883.2	7,136	110,262	248.7	12.1%
include	G0249	Haynes Rpwr 8-10b	NG SCG	2026	250.8	1,792.4	7,147	104,945	248.7	11.5%
include	G0249	Haynes Rpwr 8-10b	NG SCG	2027	248.4	1,775.0	7,147	103,927	248.7	11.4%
include	G0778	High Desert Power 1a	NG Kern River	2020	1,580.5	11,642.4	7,366	681,662	288.0	62.5%
include	G0778	High Desert Power 1a	NG Kern River	2021	1,657.3	12,198.2	7,360	714,203	288.0	65.5%
include	G0778	High Desert Power 1a	NG Kern River	2022	1,449.9	10,664.7	7,355	624,419	288.0	57.3%
include	G0778	High Desert Power 1a	NG Kern River	2023	1,366.8	10,043.1	7,348	588,026	288.0	54.0%
include	G0778	High Desert Power 1a	NG Kern River	2024	1,366.3	10,036.8	7,346	587,655	288.0	54.0%
include	G0778	High Desert Power 1a	NG Kern River	2025	1,354.5	9,950.6	7,346	582,610	288.0	53.5%
include	G0778	High Desert Power 1a	NG Kern River	2026	1,332.2	9,784.4	7,344	572,879	288.0	52.7%
include	G0778	High Desert Power 1a	NG Kern River	2027	1,319.3	9,689.6	7,344	567,323	288.0	52.2%
include	G0778	High Desert Power 1b	NG Kern River	2020	1,677.2	12,352.2	7,365	723,223	288.0	66.3%
include	G0778	High Desert Power 1b	NG Kern River	2021	1,606.8	11,828.2	7,361	692,542	288.0	63.5%
include	G0778	High Desert Power 1b	NG Kern River	2022	1,459.6	10,733.2	7,354	628,429	288.0	57.7%
include	G0778	High Desert Power 1b	NG Kern River	2023	1,474.2	10,831.6	7,347	634,193	288.0	58.3%
include	G0778	High Desert Power 1b	NG Kern River	2024	1,438.8	10,567.4	7,344	618,723	288.0	56.9%
include	G0778	High Desert Power 1b	NG Kern River	2025	1,403.1	10,307.7	7,346	603,513	288.0	55.5%
include	G0778	High Desert Power 1b	NG Kern River	2026	1,274.4	9,359.9	7,344	548,021	288.0	50.4%
include	G0778	High Desert Power 1b	NG Kern River	2027	1,262.1	9,269.1	7,344	542,706	288.0	49.9%
include	G0778	High Desert Power 1c	NG Kern River	2020	1,702.2	12,536.7	7,365	734,024	288.0	67.3%
include	G0778	High Desert Power 1c	NG Kern River	2021	1,535.0	11,299.2	7,361	661,567	288.0	60.7%
include	G0778	High Desert Power 1c	NG Kern River	2022	1,421.0	10,449.2	7,353	611,803	288.0	56.2%
include	G0778	High Desert Power 1c	NG Kern River	2023	1,419.0	10,425.5	7,347	610,412	288.0	56.1%
include	G0778	High Desert Power 1c	NG Kern River	2024	1,327.6	9,752.6	7,346	571,017	288.0	52.5%
include	G0778	High Desert Power 1c	NG Kern River	2025	1,438.9	10,569.2	7,345	618,829	288.0	56.9%
include	G0778	High Desert Power 1c	NG Kern River	2026	1,337.2	9,821.4	7,344	575,041	288.0	52.9%
include	G0778	High Desert Power 1c	NG Kern River	2027	1,324.3	9,726.1	7,344	569,464	288.0	52.3%
include	G0274	Huntington Beach 1	NG SCG	2020	-	-	-	-	225.8	0.0%
include	G0274	Huntington Beach 1	NG SCG	2021	-	-	-	-	-	0.0%
include	G0274	Huntington Beach 1	NG SCG	2022	-	-	-	-	-	0.0%
include	G0274	Huntington Beach 2	NG SCG	2020	480.4	6,426.9	13,379	376,295	225.8	24.2%

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include	G0274	Huntington Beach 2	NG SCG	2021	-	-	-	-	-	0.0%
include	G0274	Huntington Beach 2	NG SCG	2022	-	-	-	-	-	0.0%
include	G0868	Inland Empire Energy 1	NG SCG	2020	2,854.4	19,021.5	6,664	1,113,710	405.0	80.2%
include	G0868	Inland Empire Energy 1	NG SCG	2021	2,675.7	17,822.5	6,661	1,043,510	405.0	75.2%
include	G0868	Inland Empire Energy 1	NG SCG	2022	2,767.0	18,444.4	6,666	1,079,918	405.0	77.8%
include	G0868	Inland Empire Energy 1	NG SCG	2023	2,720.2	18,141.5	6,669	1,062,183	405.0	76.5%
include	G0868	Inland Empire Energy 1	NG SCG	2024	2,619.8	17,479.3	6,672	1,023,411	405.0	73.6%
include	G0868	Inland Empire Energy 1	NG SCG	2025	2,669.5	17,814.5	6,673	1,043,038	405.0	75.0%
include	G0868	Inland Empire Energy 1	NG SCG	2026	2,647.8	17,675.6	6,676	1,034,906	405.0	74.4%
include	G0868	Inland Empire Energy 1	NG SCG	2027	2,622.1	17,504.2	6,676	1,024,869	405.0	73.7%
include	G0868	Inland Empire Energy 2	NG SCG	2020	2,796.0	18,625.0	6,661	1,090,492	405.0	78.6%
include	G0868	Inland Empire Energy 2	NG SCG	2021	2,697.9	17,975.4	6,663	1,052,461	405.0	75.8%
include	G0868	Inland Empire Energy 2	NG SCG	2022	2,769.4	18,460.2	6,666	1,080,843	405.0	77.8%
include	G0868	Inland Empire Energy 2	NG SCG	2023	2,639.6	17,599.9	6,668	1,030,473	405.0	74.2%
include	G0868	Inland Empire Energy 2	NG SCG	2024	2,595.4	17,319.6	6,673	1,014,060	405.0	73.0%
include	G0868	Inland Empire Energy 2	NG SCG	2025	2,636.4	17,596.2	6,674	1,030,258	405.0	74.1%
include	G0868	Inland Empire Energy 2	NG SCG	2026	2,663.2	17,781.2	6,677	1,041,091	405.0	74.9%
include	G0868	Inland Empire Energy 2	NG SCG	2027	2,637.3	17,608.8	6,677	1,030,995	405.0	74.1%
include	G0293	Kern River CG TAG	NG TEOR Cogen	2020	12.7	98.2	7,749	5,751	75.0	1.9%
include	G0293	Kern River CG TAG	NG TEOR Cogen	2021	12.6	98.2	7,789	5,749	75.0	1.9%
include	G0293	Kern River CG TAG	NG TEOR Cogen	2022	12.6	98.4	7,806	5,761	75.0	1.9%
include	G0293	Kern River CG TAG	NG TEOR Cogen	2023	12.6	98.7	7,828	5,777	75.0	1.9%
include	G0293	Kern River CG TAG	NG TEOR Cogen	2024	12.7	99.1	7,821	5,804	75.0	1.9%
include	G0293	Kern River CG TAG	NG TEOR Cogen	2025	12.6	98.9	7,850	5,793	75.0	1.9%
include	G0293	Kern River CG TAG	NG TEOR Cogen	2026	-	-	-	-	-	0.0%
include	G0293	Kern River CG TAG	NG TEOR Cogen	2027	-	-	-	-	-	0.0%
include	G0293	Kern River CG TBG	NG TEOR Cogen	2020	26.6	203.3	7,631	11,901	75.0	4.0%
include	G0293	Kern River CG TBG	NG TEOR Cogen	2021	26.6	204.1	7,686	11,951	75.0	4.0%
include	G0293	Kern River CG TBG	NG TEOR Cogen	2022	26.6	202.9	7,638	11,877	75.0	4.0%
include	G0293	Kern River CG TBG	NG TEOR Cogen	2023	26.6	205.0	7,721	12,005	75.0	4.0%
include	G0293	Kern River CG TBG	NG TEOR Cogen	2024	26.6	205.7	7,721	12,042	75.0	4.0%
include	G0293	Kern River CG TBG	NG TEOR Cogen	2025	26.6	204.8	7,712	11,991	75.0	4.0%
include	G0293	Kern River CG TBG	NG TEOR Cogen	2026	-	-	-	-	-	0.0%
include	G0293	Kern River CG TBG	NG TEOR Cogen	2027	-	-	-	-	-	0.0%
include	G0293	Kern River CG TCG	NG TEOR Cogen	2020	56.9	426.9	7,501	24,993	75.0	8.6%
include	G0293	Kern River CG TCG	NG TEOR Cogen	2021	56.8	427.3	7,519	25,021	75.0	8.6%
include	G0293	Kern River CG TCG	NG TEOR Cogen	2022	56.8	426.7	7,508	24,986	75.0	8.6%
include	G0293	Kern River CG TCG	NG TEOR Cogen	2023	56.8	427.1	7,514	25,005	75.0	8.6%
include	G0293	Kern River CG TCG	NG TEOR Cogen	2024	56.9	429.2	7,543	25,133	75.0	8.6%
include	G0293	Kern River CG TCG	NG TEOR Cogen	2025	56.8	428.3	7,535	25,075	75.0	8.6%
include	G0293	Kern River CG TCG	NG TEOR Cogen	2026	-	-	-	-	-	0.0%
include	G0293	Kern River CG TCG	NG TEOR Cogen	2027	-	-	-	-	-	0.0%
include	G0019	King City Cogen 1	NG PG&E LT	2020	476.8	1,766.5	3,705	103,431	89.2	60.9%
include	G0019	King City Cogen 1	NG PG&E LT	2021	475.6	1,762.2	3,705	103,178	89.2	60.7%

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include	G0019	King City Cogen 1	NG PG&E LT	2022	475.6	1,762.2	3,705	103,178	89.2	60.7%
include	G0019	King City Cogen 1	NG PG&E LT	2023	475.6	1,762.2	3,705	103,178	84.9	63.8%
include	G0019	King City Cogen 1	NG PG&E LT	2024	476.8	1,766.5	3,705	103,431	89.2	60.9%
include	G0019	King City Cogen 1	NG PG&E LT	2025	475.6	1,762.2	3,705	103,178	89.2	60.7%
include	G0019	King City Cogen 1	NG PG&E LT	2026	475.6	1,762.2	3,705	103,178	89.2	60.7%
include	G0019	King City Cogen 1	NG PG&E LT	2027	471.0	1,745.1	3,705	102,178	89.2	60.1%
include	G0286	Kingsburg Cogen 1	NG PG&E LT	2020	-	-	-	-	23.1	0.0%
include	G0286	Kingsburg Cogen 1	NG PG&E LT	2021	-	-	-	-	23.1	0.0%
include	G0286	Kingsburg Cogen 1	NG PG&E LT	2022	-	-	-	-	23.1	0.0%
include	G0286	Kingsburg Cogen 1	NG PG&E LT	2023	-	-	-	-	23.7	0.0%
include	G0286	Kingsburg Cogen 1	NG PG&E LT	2024	-	-	-	-	23.1	0.0%
include	G0286	Kingsburg Cogen 1	NG PG&E LT	2025	-	-	-	-	23.1	0.0%
include	G0286	Kingsburg Cogen 1	NG PG&E LT	2026	-	-	-	-	23.1	0.0%
include	G0286	Kingsburg Cogen 1	NG PG&E LT	2027	-	-	-	-	23.1	0.0%
include	G0781	La Paloma 1	NG Kern River	2020	1,707.2	12,938.6	7,579	757,553	256.2	75.9%
include	G0781	La Paloma 1	NG Kern River	2021	1,667.5	12,600.9	7,557	737,784	256.2	74.1%
include	G0781	La Paloma 1	NG Kern River	2022	1,575.9	11,886.6	7,543	695,961	256.2	70.0%
include	G0781	La Paloma 1	NG Kern River	2023	1,493.0	11,256.2	7,539	659,048	256.2	66.3%
include	G0781	La Paloma 1	NG Kern River	2024	1,385.2	10,434.7	7,533	610,953	256.2	61.6%
include	G0781	La Paloma 1	NG Kern River	2025	1,448.5	10,911.1	7,532	638,844	256.2	64.4%
include	G0781	La Paloma 1	NG Kern River	2026	1,326.6	9,992.2	7,532	585,042	256.2	58.9%
include	G0781	La Paloma 1	NG Kern River	2027	1,313.7	9,895.3	7,532	579,368	256.2	58.4%
include	G0781	La Paloma 2	NG Kern River	2020	1,769.5	13,553.3	7,659	793,547	260.2	77.4%
include	G0781	La Paloma 2	NG Kern River	2021	1,595.9	12,217.4	7,655	715,331	260.2	69.8%
include	G0781	La Paloma 2	NG Kern River	2022	1,579.0	12,083.5	7,653	707,488	260.2	69.1%
include	G0781	La Paloma 2	NG Kern River	2023	1,526.3	11,674.1	7,649	683,517	260.2	66.8%
include	G0781	La Paloma 2	NG Kern River	2024	1,398.3	10,691.4	7,646	625,981	260.2	61.2%
include	G0781	La Paloma 2	NG Kern River	2025	1,418.2	10,841.1	7,644	634,748	260.2	62.0%
include	G0781	La Paloma 2	NG Kern River	2026	1,282.2	9,795.2	7,639	573,507	260.2	56.1%
include	G0781	La Paloma 2	NG Kern River	2027	1,269.8	9,700.2	7,639	567,945	260.2	55.6%
include	G0781	La Paloma 3	NG Kern River	2020	1,637.9	12,782.6	7,804	748,422	259.8	71.8%
include	G0781	La Paloma 3	NG Kern River	2021	1,480.9	11,553.9	7,802	676,482	259.8	64.9%
include	G0781	La Paloma 3	NG Kern River	2022	1,377.2	10,743.5	7,801	629,030	259.8	60.3%
include	G0781	La Paloma 3	NG Kern River	2023	1,301.2	10,147.8	7,799	594,154	259.8	57.0%
include	G0781	La Paloma 3	NG Kern River	2024	1,144.8	8,926.0	7,797	522,619	259.8	50.2%
include	G0781	La Paloma 3	NG Kern River	2025	1,157.3	9,026.4	7,799	528,498	259.8	50.7%
include	G0781	La Paloma 3	NG Kern River	2026	1,075.5	8,385.9	7,797	490,993	259.8	47.1%
include	G0781	La Paloma 3	NG Kern River	2027	1,065.1	8,304.5	7,797	486,231	259.8	46.7%
include	G0781	La Paloma 4	NG Kern River	2020	1,705.8	13,183.9	7,729	771,919	259.8	74.7%
include	G0781	La Paloma 4	NG Kern River	2021	1,557.5	12,012.5	7,713	703,333	259.8	68.2%
include	G0781	La Paloma 4	NG Kern River	2022	1,474.8	11,363.0	7,705	665,304	259.8	64.6%
include	G0781	La Paloma 4	NG Kern River	2023	1,371.5	10,559.3	7,699	618,244	259.8	60.1%
include	G0781	La Paloma 4	NG Kern River	2024	1,344.1	10,341.0	7,694	605,466	259.8	58.9%
include	G0781	La Paloma 4	NG Kern River	2025	1,304.9	10,038.1	7,693	587,731	259.8	57.2%

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include	G0781	La Paloma 4	NG Kern River	2026	1,236.2	9,508.7	7,692	556,737	259.8	54.2%
include	G0781	La Paloma 4	NG Kern River	2027	1,224.2	9,416.5	7,692	551,337	259.8	53.6%
include	G0315	Live Oak Limited 1	NG TEOR Cogen	2020	59.3	556.4	9,386	32,577	41.5	16.3%
include	G0315	Live Oak Limited 1	NG TEOR Cogen	2021	28.7	269.3	9,386	15,765	41.5	7.9%
include	G0315	Live Oak Limited 1	NG TEOR Cogen	2022	30.9	289.8	9,386	16,970	41.5	8.5%
include	G0315	Live Oak Limited 1	NG TEOR Cogen	2023	22.9	214.9	9,386	12,582	41.1	6.3%
include	G0315	Live Oak Limited 1	NG TEOR Cogen	2024	16.0	150.5	9,386	8,813	41.5	4.4%
include	G0315	Live Oak Limited 1	NG TEOR Cogen	2025	16.2	152.2	9,386	8,913	41.5	4.4%
include	G0315	Live Oak Limited 1	NG TEOR Cogen	2026	19.0	177.9	9,386	10,417	41.5	5.2%
include	G0315	Live Oak Limited 1	NG TEOR Cogen	2027	18.8	176.2	9,386	10,316	41.5	5.1%
include	G1009	Lodi Energy Center	NG PG&E LT	2020	1,989.1	14,127.5	7,102	827,165	280.0	80.9%
include	G1009	Lodi Energy Center	NG PG&E LT	2021	1,949.1	13,847.7	7,105	810,780	280.0	79.2%
include	G1009	Lodi Energy Center	NG PG&E LT	2022	1,927.4	13,694.6	7,105	801,818	280.0	78.4%
include	G1009	Lodi Energy Center	NG PG&E LT	2023	1,921.1	13,652.1	7,107	799,333	280.0	78.1%
include	G1009	Lodi Energy Center	NG PG&E LT	2024	1,881.4	13,378.2	7,111	783,293	280.0	76.5%
include	G1009	Lodi Energy Center	NG PG&E LT	2025	1,898.5	13,499.9	7,111	790,421	280.0	77.2%
include	G1009	Lodi Energy Center	NG PG&E LT	2026	1,863.4	13,253.6	7,113	775,997	280.0	75.8%
include	G1009	Lodi Energy Center	NG PG&E LT	2027	1,845.3	13,125.0	7,113	768,471	280.0	75.0%
include	G0866	Los Esteros CC	NG PG&E LT	2020	1,270.3	9,519.6	7,494	557,373	300.0	48.2%
include	G0866	Los Esteros CC	NG PG&E LT	2021	936.5	7,025.5	7,502	411,341	300.0	35.5%
include	G0866	Los Esteros CC	NG PG&E LT	2022	822.7	6,175.8	7,506	361,594	300.0	31.2%
include	G0866	Los Esteros CC	NG PG&E LT	2023	666.8	5,009.6	7,513	293,312	300.0	25.3%
include	G0866	Los Esteros CC	NG PG&E LT	2024	508.5	3,820.3	7,513	223,680	300.0	19.3%
include	G0866	Los Esteros CC	NG PG&E LT	2025	573.8	4,317.2	7,525	252,773	300.0	21.8%
include	G0866	Los Esteros CC	NG PG&E LT	2026	669.5	5,042.7	7,532	295,251	300.0	25.4%
include	G0866	Los Esteros CC	NG PG&E LT	2027	663.0	4,993.8	7,532	292,387	300.0	25.2%
include	G0780	Los Medanos EC 1a	NG PG&E LT	2020	1,352.2	9,463.5	6,998	554,091	297.0	51.8%
include	G0780	Los Medanos EC 1a	NG PG&E LT	2021	1,212.4	8,429.6	6,953	493,555	297.0	46.5%
include	G0780	Los Medanos EC 1a	NG PG&E LT	2022	1,163.5	8,071.5	6,937	472,585	297.0	44.6%
include	G0780	Los Medanos EC 1a	NG PG&E LT	2023	1,003.7	6,951.6	6,926	407,019	297.0	38.5%
include	G0780	Los Medanos EC 1a	NG PG&E LT	2024	1,061.5	7,343.7	6,918	429,973	297.0	40.7%
include	G0780	Los Medanos EC 1a	NG PG&E LT	2025	1,044.3	7,234.4	6,927	423,576	297.0	40.0%
include	G0780	Los Medanos EC 1a	NG PG&E LT	2026	1,064.7	7,362.6	6,915	431,081	297.0	40.8%
include	G0780	Los Medanos EC 1a	NG PG&E LT	2027	1,054.4	7,291.2	6,915	426,900	297.0	40.4%
include	G0780	Los Medanos EC 1b	NG PG&E LT	2020	1,335.8	9,344.5	6,996	547,120	297.0	51.2%
include	G0780	Los Medanos EC 1b	NG PG&E LT	2021	1,101.0	7,655.2	6,953	448,210	297.0	42.2%
include	G0780	Los Medanos EC 1b	NG PG&E LT	2022	986.7	6,840.0	6,932	400,481	297.0	37.8%
include	G0780	Los Medanos EC 1b	NG PG&E LT	2023	1,013.8	7,023.6	6,928	411,234	297.0	38.9%
include	G0780	Los Medanos EC 1b	NG PG&E LT	2024	998.6	6,907.6	6,917	404,439	297.0	38.3%
include	G0780	Los Medanos EC 1b	NG PG&E LT	2025	1,126.6	7,792.9	6,917	456,273	297.0	43.2%
include	G0780	Los Medanos EC 1b	NG PG&E LT	2026	1,047.2	7,236.6	6,910	423,705	297.0	40.1%
include	G0780	Los Medanos EC 1b	NG PG&E LT	2027	1,037.1	7,166.5	6,910	419,596	297.0	39.8%
include	G0329	Magnolia Repower 1	NG SCG	2020	329.9	2,307.2	6,993	135,089	316.0	11.9%
include	G0329	Magnolia Repower 1	NG SCG	2021	385.3	2,694.5	6,994	157,765	316.0	13.9%

111(d) designation	CEC Plant ID	PLEXOS Unit Name	Fuel Price Index	Datetime	Generation (GWh)	Fuel Use(1000 MMBTU)	Implied Heat rate(BTU/KWh)	CO2e emissions (M short tons)	Rated Capacity (MW)	Capacity Factor (%)
include	G0329	Magnolia Repower 1	NG SCG	2022	476.2	3,328.6	6,990	194,888	316.0	17.2%
include	G0329	Magnolia Repower 1	NG SCG	2023	464.2	3,246.4	6,994	190,074	316.0	16.7%
include	G0329	Magnolia Repower 1	NG SCG	2024	541.2	3,780.1	6,984	221,327	316.0	19.5%
include	G0329	Magnolia Repower 1	NG SCG	2025	785.8	5,473.9	6,966	320,495	316.0	28.3%
include	G0329	Magnolia Repower 1	NG SCG	2026	819.7	5,725.4	6,985	335,220	316.0	29.5%
include	G0329	Magnolia Repower 1	NG SCG	2027	811.8	5,669.8	6,985	331,969	316.0	29.2%
include	G0894	Malburg 1a	NG SCG	2020	310.6	2,393.2	7,705	140,121	67.5	52.4%
include	G0894	Malburg 1a	NG SCG	2021	288.6	2,221.8	7,698	130,087	67.5	48.7%
include	G0894	Malburg 1a	NG SCG	2022	279.4	2,150.4	7,697	125,907	67.5	47.1%
include	G0894	Malburg 1a	NG SCG	2023	277.3	2,134.9	7,698	124,997	67.5	46.8%
include	G0894	Malburg 1a	NG SCG	2024	270.9	2,084.7	7,696	122,060	67.5	45.7%
include	G0894	Malburg 1a	NG SCG	2025	276.4	2,127.3	7,696	124,551	67.5	46.6%
include	G0894	Malburg 1a	NG SCG	2026	276.4	2,127.2	7,695	124,545	67.5	46.6%
include	G0894	Malburg 1a	NG SCG	2027	273.7	2,106.5	7,695	123,338	67.5	46.2%
include	G0894	Malburg 1b	NG SCG	2020	310.8	2,394.6	7,704	140,205	67.5	52.4%
include	G0894	Malburg 1b	NG SCG	2021	288.1	2,218.8	7,701	129,911	67.5	48.6%
include	G0894	Malburg 1b	NG SCG	2022	282.6	2,174.9	7,697	127,340	67.5	47.7%
include	G0894	Malburg 1b	NG SCG	2023	278.1	2,140.3	7,697	125,317	67.5	46.9%
include	G0894	Malburg 1b	NG SCG	2024	270.8	2,084.4	7,697	122,043	67.5	45.7%
include	G0894	Malburg 1b	NG SCG	2025	275.1	2,117.1	7,695	123,959	67.5	46.4%
include	G0894	Malburg 1b	NG SCG	2026	275.5	2,120.5	7,697	124,158	67.5	46.5%
include	G0894	Malburg 1b	NG SCG	2027	272.8	2,100.0	7,697	122,954	67.5	46.0%
include	G0330	Mandalay 1	NG SCG	2020	8.1	88.6	10,955	5,186	215.0	0.4%
include	G0330	Mandalay 1	NG SCG	2021	-	-	-	-	-	0.0%
include	G0330	Mandalay 1	NG SCG	2022	-	-	-	-	-	0.0%
include	G0330	Mandalay 2	NG SCG	2020	14.0	152.3	10,858	8,918	215.3	0.7%
include	G0330	Mandalay 2	NG SCG	2021	-	-	-	-	-	0.0%
include	G0330	Mandalay 2	NG SCG	2022	-	-	-	-	-	0.0%
include	G0339	McKittrick Ltd 1	NG TEOR Cogen	2020	57.4	528.5	9,213	30,944	35.4	18.4%
include	G0339	McKittrick Ltd 1	NG TEOR Cogen	2021	26.8	246.7	9,213	14,444	35.4	8.6%
include	G0339	McKittrick Ltd 1	NG TEOR Cogen	2022	29.4	270.5	9,213	15,840	35.4	9.4%
include	G0339	McKittrick Ltd 1	NG TEOR Cogen	2023	21.8	200.7	9,213	11,749	36.0	6.9%
include	G0339	McKittrick Ltd 1	NG TEOR Cogen	2024	16.0	147.6	9,213	8,643	35.4	5.1%
include	G0339	McKittrick Ltd 1	NG TEOR Cogen	2025	16.4	151.2	9,213	8,856	35.4	5.3%
include	G0339	McKittrick Ltd 1	NG TEOR Cogen	2026	18.3	169.0	9,213	9,895	35.4	5.9%
include	G0339	McKittrick Ltd 1	NG TEOR Cogen	2027	18.2	167.4	9,213	9,799	35.4	5.8%
include	G0794	Metcalfe Energy 1a	NG PG&E BB	2020	630.9	4,765.2	7,553	279,001	282.9	25.4%
include	G0794	Metcalfe Energy 1a	NG PG&E BB	2021	554.2	4,184.3	7,550	244,989	282.9	22.3%
include	G0794	Metcalfe Energy 1a	NG PG&E BB	2022	300.7	2,270.6	7,552	132,942	282.9	12.1%
include	G0794	Metcalfe Energy 1a	NG PG&E BB	2023	200.8	1,514.8	7,543	88,691	282.9	8.1%
include	G0794	Metcalfe Energy 1a	NG PG&E BB	2024	182.7	1,377.0	7,538	80,626	282.9	7.4%
include	G0794	Metcalfe Energy 1a	NG PG&E BB	2025	212.3	1,602.8	7,551	93,843	282.9	8.5%
include	G0794	Metcalfe Energy 1a	NG PG&E BB	2026	244.7	1,846.1	7,545	108,086	282.9	9.8%
include	G0794	Metcalfe Energy 1a	NG PG&E BB	2027	242.3	1,828.1	7,545	107,038	282.9	9.8%

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include	G0794	Metcalf Energy 1b	NG PG&E BB	2020	580.8	4,387.3	7,554	256,878	282.9	23.4%
include	G0794	Metcalf Energy 1b	NG PG&E BB	2021	413.6	3,122.8	7,550	182,838	282.9	16.6%
include	G0794	Metcalf Energy 1b	NG PG&E BB	2022	326.6	2,466.2	7,551	144,395	282.9	13.1%
include	G0794	Metcalf Energy 1b	NG PG&E BB	2023	228.5	1,723.3	7,543	100,897	282.9	9.2%
include	G0794	Metcalf Energy 1b	NG PG&E BB	2024	174.6	1,316.0	7,537	77,051	282.9	7.0%
include	G0794	Metcalf Energy 1b	NG PG&E BB	2025	283.3	2,138.1	7,548	125,185	282.9	11.4%
include	G0794	Metcalf Energy 1b	NG PG&E BB	2026	249.8	1,884.5	7,545	110,338	282.9	10.1%
include	G0794	Metcalf Energy 1b	NG PG&E BB	2027	247.3	1,866.2	7,545	109,268	282.9	10.0%
include	G0358	Midway Sunset A	NG TEOR Cogen	2020	393.1	2,789.3	7,096	163,311	48.4	92.5%
include	G0358	Midway Sunset A	NG TEOR Cogen	2021	391.9	2,780.8	7,096	162,814	48.4	92.2%
include	G0358	Midway Sunset A	NG TEOR Cogen	2022	391.5	2,778.3	7,096	162,669	48.4	92.1%
include	G0358	Midway Sunset A	NG TEOR Cogen	2023	390.8	2,773.3	7,096	162,378	48.4	91.9%
include	G0358	Midway Sunset A	NG TEOR Cogen	2024	388.6	2,757.2	7,096	161,432	48.4	91.4%
include	G0358	Midway Sunset A	NG TEOR Cogen	2025	387.8	2,752.1	7,096	161,137	48.4	91.2%
include	G0358	Midway Sunset A	NG TEOR Cogen	2026	385.5	2,735.5	7,096	160,166	48.4	90.7%
include	G0358	Midway Sunset A	NG TEOR Cogen	2027	381.8	2,709.0	7,096	158,613	48.4	89.8%
include	G0358	Midway Sunset B	NG TEOR Cogen	2020	393.1	2,789.3	7,096	163,311	48.4	92.5%
include	G0358	Midway Sunset B	NG TEOR Cogen	2021	391.8	2,780.5	7,096	162,797	48.4	92.2%
include	G0358	Midway Sunset B	NG TEOR Cogen	2022	391.6	2,778.4	7,096	162,678	48.4	92.1%
include	G0358	Midway Sunset B	NG TEOR Cogen	2023	390.8	2,772.8	7,096	162,347	48.4	91.9%
include	G0358	Midway Sunset B	NG TEOR Cogen	2024	388.6	2,757.2	7,096	161,431	48.4	91.4%
include	G0358	Midway Sunset B	NG TEOR Cogen	2025	387.8	2,751.5	7,096	161,103	48.4	91.2%
include	G0358	Midway Sunset B	NG TEOR Cogen	2026	385.6	2,736.5	7,096	160,224	48.4	90.7%
include	G0358	Midway Sunset B	NG TEOR Cogen	2027	381.9	2,710.0	7,096	158,670	48.4	89.8%
include	G0358	Midway Sunset C	NG TEOR Cogen	2020	393.1	2,789.3	7,096	163,311	48.4	92.5%
include	G0358	Midway Sunset C	NG TEOR Cogen	2021	391.8	2,780.4	7,096	162,792	48.4	92.2%
include	G0358	Midway Sunset C	NG TEOR Cogen	2022	391.7	2,779.2	7,096	162,720	48.4	92.1%
include	G0358	Midway Sunset C	NG TEOR Cogen	2023	390.8	2,773.0	7,096	162,357	48.4	91.9%
include	G0358	Midway Sunset C	NG TEOR Cogen	2024	388.3	2,755.4	7,096	161,327	48.4	91.3%
include	G0358	Midway Sunset C	NG TEOR Cogen	2025	387.9	2,752.2	7,096	161,144	48.4	91.2%
include	G0358	Midway Sunset C	NG TEOR Cogen	2026	385.3	2,734.4	7,096	160,098	48.4	90.6%
include	G0358	Midway Sunset C	NG TEOR Cogen	2027	381.6	2,707.9	7,096	158,545	48.4	89.8%
include	G0001	Moss Landing 6	NG PG&E BB	2020	209.8	1,934.7	9,223	113,276	754.3	3.2%
include	G0001	Moss Landing 6	NG PG&E BB	2021	-	-	-	-	-	0.0%
include	G0001	Moss Landing 6	NG PG&E BB	2022	-	-	-	-	-	0.0%
include	G0001	Moss Landing 7	NG PG&E BB	2020	111.2	1,031.8	9,277	60,409	755.7	1.7%
include	G0001	Moss Landing 7	NG PG&E BB	2021	-	-	-	-	-	0.0%
include	G0001	Moss Landing 7	NG PG&E BB	2022	-	-	-	-	-	0.0%
include	G0372	Moss Landing CC 1a	NG PG&E BB	2020	4.1	29.4	7,194	1,719	255.0	0.2%
include	G0372	Moss Landing CC 1a	NG PG&E BB	2021	1,907.2	12,107.2	6,348	708,879	255.0	85.1%
include	G0372	Moss Landing CC 1a	NG PG&E BB	2022	1,895.3	12,031.3	6,348	704,434	255.0	84.6%
include	G0372	Moss Landing CC 1a	NG PG&E BB	2023	1,855.7	11,781.3	6,349	689,795	255.0	82.8%
include	G0372	Moss Landing CC 1a	NG PG&E BB	2024	1,870.9	11,877.1	6,348	695,402	255.0	83.5%
include	G0372	Moss Landing CC 1a	NG PG&E BB	2025	1,904.5	12,090.7	6,349	707,910	255.0	85.0%



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include	G0372	Moss Landing CC 1a	NG PG&E BB	2026	1,859.7	11,808.0	6,349	691,357	255.0	83.0%
include	G0372	Moss Landing CC 1a	NG PG&E BB	2027	1,841.7	11,693.5	6,349	684,652	255.0	82.2%
include	G0372	Moss Landing CC 1b	NG PG&E BB	2020	-	-	-	-	255.0	0.0%
include	G0372	Moss Landing CC 1b	NG PG&E BB	2021	1,920.9	12,194.7	6,348	713,999	255.0	85.8%
include	G0372	Moss Landing CC 1b	NG PG&E BB	2022	1,865.4	11,841.6	6,348	693,327	255.0	83.3%
include	G0372	Moss Landing CC 1b	NG PG&E BB	2023	1,907.4	12,110.2	6,349	709,050	255.0	85.2%
include	G0372	Moss Landing CC 1b	NG PG&E BB	2024	1,870.0	11,872.1	6,349	695,111	255.0	83.5%
include	G0372	Moss Landing CC 1b	NG PG&E BB	2025	1,850.5	11,747.5	6,348	687,818	255.0	82.6%
include	G0372	Moss Landing CC 1b	NG PG&E BB	2026	1,903.3	12,084.7	6,349	707,559	255.0	85.0%
include	G0372	Moss Landing CC 1b	NG PG&E BB	2027	1,884.9	11,967.5	6,349	700,697	255.0	84.1%
include	G0372	Moss Landing CC 2a	NG PG&E BB	2020	8.2	58.4	7,161	3,421	255.0	0.4%
include	G0372	Moss Landing CC 2a	NG PG&E BB	2021	1,893.8	11,964.0	6,318	700,494	255.0	84.5%
include	G0372	Moss Landing CC 2a	NG PG&E BB	2022	1,934.3	12,219.8	6,317	715,472	255.0	86.4%
include	G0372	Moss Landing CC 2a	NG PG&E BB	2023	1,889.3	11,936.4	6,318	698,879	255.0	84.3%
include	G0372	Moss Landing CC 2a	NG PG&E BB	2024	1,903.8	12,027.6	6,318	704,215	255.0	85.0%
include	G0372	Moss Landing CC 2a	NG PG&E BB	2025	1,923.8	12,154.4	6,318	711,642	255.0	85.9%
include	G0372	Moss Landing CC 2a	NG PG&E BB	2026	1,902.3	12,019.5	6,318	703,741	255.0	84.9%
include	G0372	Moss Landing CC 2a	NG PG&E BB	2027	1,883.9	11,902.9	6,318	696,916	255.0	84.1%
include	G0372	Moss Landing CC 2b	NG PG&E BB	2020	5.4	38.7	7,161	2,266	255.0	0.2%
include	G0372	Moss Landing CC 2b	NG PG&E BB	2021	1,897.6	11,988.1	6,318	701,901	255.0	84.7%
include	G0372	Moss Landing CC 2b	NG PG&E BB	2022	1,922.8	12,147.6	6,318	711,245	255.0	85.8%
include	G0372	Moss Landing CC 2b	NG PG&E BB	2023	1,910.6	12,071.8	6,318	706,803	255.0	85.3%
include	G0372	Moss Landing CC 2b	NG PG&E BB	2024	1,928.2	12,181.6	6,318	713,231	255.0	86.1%
include	G0372	Moss Landing CC 2b	NG PG&E BB	2025	1,895.2	11,973.2	6,318	701,029	255.0	84.6%
include	G0372	Moss Landing CC 2b	NG PG&E BB	2026	1,914.1	12,094.0	6,319	708,105	255.0	85.5%
include	G0372	Moss Landing CC 2b	NG PG&E BB	2027	1,895.5	11,976.7	6,319	701,238	255.0	84.6%
include	G0795	Mountainview CC 3a	NG SCG	2020	743.0	5,305.6	7,141	310,640	242.3	34.9%
include	G0795	Mountainview CC 3a	NG SCG	2021	569.6	4,076.4	7,157	238,671	242.3	26.8%
include	G0795	Mountainview CC 3a	NG SCG	2022	406.6	2,915.5	7,170	170,703	242.3	19.1%
include	G0795	Mountainview CC 3a	NG SCG	2023	422.2	3,026.9	7,169	177,224	242.3	19.8%
include	G0795	Mountainview CC 3a	NG SCG	2024	184.0	1,324.9	7,199	77,572	242.3	8.6%
include	G0795	Mountainview CC 3a	NG SCG	2025	254.3	1,831.2	7,202	107,219	242.3	11.9%
include	G0795	Mountainview CC 3a	NG SCG	2026	308.8	2,223.9	7,201	130,208	242.3	14.5%
include	G0795	Mountainview CC 3a	NG SCG	2027	305.8	2,202.3	7,201	128,945	242.3	14.4%
include	G0795	Mountainview CC 3b	NG SCG	2020	767.8	5,482.4	7,141	320,992	242.3	36.1%
include	G0795	Mountainview CC 3b	NG SCG	2021	518.7	3,712.8	7,158	217,383	242.3	24.4%
include	G0795	Mountainview CC 3b	NG SCG	2022	374.9	2,687.9	7,169	157,374	242.3	17.6%
include	G0795	Mountainview CC 3b	NG SCG	2023	343.5	2,463.8	7,173	144,253	242.3	16.1%
include	G0795	Mountainview CC 3b	NG SCG	2024	184.8	1,329.2	7,194	77,823	242.3	8.7%
include	G0795	Mountainview CC 3b	NG SCG	2025	302.4	2,175.1	7,192	127,353	242.3	14.2%
include	G0795	Mountainview CC 3b	NG SCG	2026	315.4	2,270.3	7,199	132,925	242.3	14.8%
include	G0795	Mountainview CC 3b	NG SCG	2027	312.3	2,248.3	7,199	131,636	242.3	14.7%
include	G0795	Mountainview CC 4a	NG SCG	2020	428.4	3,058.9	7,141	179,098	242.3	20.1%
include	G0795	Mountainview CC 4a	NG SCG	2021	194.4	1,390.9	7,156	80,795	242.3	9.1%

111(d) designation	CEC Plant ID	PLEXOS Unit Name	Fuel Price Index	Datetime	Generation (GWh)	Fuel Use(1000 MMBTU)	Implied Heat rate(BTU/KWh)	CO2e emissions (M short tons)	Rated Capacity (MW)	Capacity Factor (%)
include	G0795	Mountainview CC 4a	NG SCG	2022	91.1	653.6	7,173	38,266	242.3	4.3%
include	G0795	Mountainview CC 4a	NG SCG	2023	107.3	769.9	7,172	45,076	242.3	5.0%
include	G0795	Mountainview CC 4a	NG SCG	2024	67.7	487.0	7,191	28,512	242.3	3.2%
include	G0795	Mountainview CC 4a	NG SCG	2025	26.9	196.9	7,316	11,531	242.3	1.3%
include	G0795	Mountainview CC 4a	NG SCG	2026	69.6	504.5	7,243	29,537	242.3	3.3%
include	G0795	Mountainview CC 4a	NG SCG	2027	69.0	499.6	7,243	29,250	242.3	3.2%
include	G0795	Mountainview CC 4b	NG SCG	2020	406.6	2,903.8	7,142	170,020	242.3	19.1%
include	G0795	Mountainview CC 4b	NG SCG	2021	114.5	818.9	7,153	47,945	242.3	5.4%
include	G0795	Mountainview CC 4b	NG SCG	2022	79.3	568.5	7,165	33,286	242.3	3.7%
include	G0795	Mountainview CC 4b	NG SCG	2023	104.0	746.0	7,174	43,680	242.3	4.9%
include	G0795	Mountainview CC 4b	NG SCG	2024	75.0	538.5	7,183	31,527	242.3	3.5%
include	G0795	Mountainview CC 4b	NG SCG	2025	33.2	241.8	7,279	14,154	242.3	1.6%
include	G0795	Mountainview CC 4b	NG SCG	2026	76.0	547.1	7,202	32,031	242.3	3.6%
include	G0795	Mountainview CC 4b	NG SCG	2027	75.2	541.8	7,202	31,720	242.3	3.5%
include	G0626	NavalStationCG 1	NG SDG&E	2020	314.6	1,545.9	4,914	90,512	51.3	69.8%
include	G0626	NavalStationCG 1	NG SDG&E	2021	313.3	1,538.9	4,912	90,102	51.3	69.5%
include	G0626	NavalStationCG 1	NG SDG&E	2022	313.1	1,538.4	4,914	90,076	51.3	69.5%
include	G0626	NavalStationCG 1	NG SDG&E	2023	312.9	1,537.2	4,913	90,003	51.3	69.4%
include	G0626	NavalStationCG 1	NG SDG&E	2024	314.5	1,544.9	4,912	90,454	51.3	69.8%
include	G0626	NavalStationCG 1	NG SDG&E	2025	314.2	1,543.6	4,913	90,378	51.3	69.7%
include	G0626	NavalStationCG 1	NG SDG&E	2026	312.6	1,535.2	4,912	89,885	51.3	69.4%
include	G0626	NavalStationCG 1	NG SDG&E	2027	309.5	1,520.3	4,912	89,013	51.3	68.7%
include	G0399	North Island EF CC	NG SDG&E	2020	249.3	2,327.8	9,335	136,291	37.0	76.7%
include	G0399	North Island EF CC	NG SDG&E	2021	248.7	2,321.4	9,335	135,918	37.0	76.5%
include	G0399	North Island EF CC	NG SDG&E	2022	248.3	2,318.3	9,337	135,738	37.0	76.4%
include	G0399	North Island EF CC	NG SDG&E	2023	247.9	2,315.0	9,337	135,544	37.0	76.3%
include	G0399	North Island EF CC	NG SDG&E	2024	247.6	2,311.7	9,336	135,348	37.0	76.2%
include	G0399	North Island EF CC	NG SDG&E	2025	246.8	2,304.2	9,337	134,911	37.0	75.9%
include	G0399	North Island EF CC	NG SDG&E	2026	248.0	2,315.3	9,336	135,562	37.0	76.3%
include	G0399	North Island EF CC	NG SDG&E	2027	245.6	2,292.9	9,336	134,247	37.0	75.6%
include	G0399	North Island EF CC ST	NG SDG&E	2020	31.3	-	-	-	4.1	88.1%
include	G0399	North Island EF CC ST	NG SDG&E	2021	31.2	-	-	-	4.1	87.8%
include	G0399	North Island EF CC ST	NG SDG&E	2022	31.2	-	-	-	4.1	87.8%
include	G0399	North Island EF CC ST	NG SDG&E	2023	31.3	-	-	-	4.1	87.9%
include	G0399	North Island EF CC ST	NG SDG&E	2024	31.2	-	-	-	4.1	87.8%
include	G0399	North Island EF CC ST	NG SDG&E	2025	31.1	-	-	-	4.1	87.4%
include	G0399	North Island EF CC ST	NG SDG&E	2026	31.2	-	-	-	4.1	87.8%
include	G0399	North Island EF CC ST	NG SDG&E	2027	30.9	-	-	-	4.1	86.9%
include	G0403	O L S Camarillo 1	NG SCG	2020	197.3	1,022.2	5,180	59,851	27.3	82.4%
include	G0403	O L S Camarillo 1	NG SCG	2021	196.8	1,019.3	5,180	59,681	27.3	82.1%
include	G0403	O L S Camarillo 1	NG SCG	2022	196.8	1,019.3	5,180	59,681	27.3	82.1%
include	G0403	O L S Camarillo 1	NG SCG	2023	196.7	1,018.9	5,180	59,658	27.3	82.1%
include	G0403	O L S Camarillo 1	NG SCG	2024	196.7	1,019.0	5,180	59,661	27.3	82.1%
include	G0403	O L S Camarillo 1	NG SCG	2025	196.0	1,015.5	5,180	59,459	27.3	81.8%

111(d) designation	CEC Plant ID	PLEXOS Unit Name	Fuel Price Index	Datetime	Generation (GWh)	Fuel Use(1000 MMBTU)	Implied Heat rate(BTU/KWh)	CO2e emissions (M short tons)	Rated Capacity (MW)	Capacity Factor (%)
include	G0403	O L S Camarillo 1	NG SCG	2026	195.1	1,010.4	5,180	59,159	27.3	81.4%
include	G0403	O L S Camarillo 1	NG SCG	2027	193.2	1,000.6	5,180	58,585	27.3	80.6%
include	G0404	O L S Chino 1	NG SCG	2020	215.5	1,149.7	5,335	67,316	25.9	94.7%
include	G0404	O L S Chino 1	NG SCG	2021	214.9	1,146.7	5,335	67,138	25.9	94.4%
include	G0404	O L S Chino 1	NG SCG	2022	214.2	1,143.0	5,335	66,924	25.9	94.1%
include	G0404	O L S Chino 1	NG SCG	2023	213.8	1,140.6	5,335	66,783	25.9	93.9%
include	G0404	O L S Chino 1	NG SCG	2024	213.5	1,138.8	5,335	66,678	25.9	93.8%
include	G0404	O L S Chino 1	NG SCG	2025	212.5	1,133.6	5,335	66,370	25.9	93.3%
include	G0404	O L S Chino 1	NG SCG	2026	211.6	1,128.6	5,335	66,082	25.9	92.9%
include	G0404	O L S Chino 1	NG SCG	2027	209.5	1,117.7	5,335	65,441	25.9	92.0%
include	G0409	Oildale Energy 1	NG PG&E LT	2020	326.2	1,931.1	5,920	113,069	39.3	94.5%
include	G0409	Oildale Energy 1	NG PG&E LT	2021	323.8	1,916.8	5,920	112,227	39.3	93.8%
include	G0409	Oildale Energy 1	NG PG&E LT	2022	322.1	1,906.8	5,920	111,645	39.3	93.3%
include	G0409	Oildale Energy 1	NG PG&E LT	2023	320.1	1,894.8	5,920	110,943	38.7	94.2%
include	G0409	Oildale Energy 1	NG PG&E LT	2024	316.9	1,875.8	5,920	109,826	39.3	91.8%
include	G0409	Oildale Energy 1	NG PG&E LT	2025	-	-	-	-	-	0.0%
include	G0409	Oildale Energy 1	NG PG&E LT	2026	-	-	-	-	-	0.0%
include	G0409	Oildale Energy 1	NG PG&E LT	2027	-	-	-	-	-	0.0%
include	G0410	Olive 2	NG SCG	2020	-	-	-	-	55.0	0.0%
include	G0410	Olive 2	NG SCG	2021	-	-	-	-	55.0	0.0%
include	G0410	Olive 2	NG SCG	2022	-	-	-	-	55.0	0.0%
include	G0410	Olive 2	NG SCG	2023	-	-	-	-	55.0	0.0%
include	G0410	Olive 2	NG SCG	2024	-	-	-	-	-	0.0%
include	G0410	Olive 2	NG SCG	2025	-	-	-	-	-	0.0%
include	G0410	Olive 2	NG SCG	2026	-	-	-	-	-	0.0%
include	G0410	Olive 2	NG SCG	2027	-	-	-	-	-	0.0%
include	G0421	Ormond Beach 1	NG SCG	2020	-	-	-	-	741.3	0.0%
include	G0421	Ormond Beach 1	NG SCG	2021	-	-	-	-	-	0.0%
include	G0421	Ormond Beach 1	NG SCG	2022	-	-	-	-	-	0.0%
include	G0421	Ormond Beach 2	NG SCG	2020	-	-	-	-	775.0	0.0%
include	G0421	Ormond Beach 2	NG SCG	2021	-	-	-	-	-	0.0%
include	G0421	Ormond Beach 2	NG SCG	2022	-	-	-	-	-	0.0%
include	G0785	Otay Mesa 1a	NG Otay Mesa	2020	1,588.0	11,181.0	7,041	654,648	255.0	70.9%
include	G0785	Otay Mesa 1a	NG Otay Mesa	2021	1,542.7	10,839.8	7,026	634,672	255.0	68.9%
include	G0785	Otay Mesa 1a	NG Otay Mesa	2022	1,534.2	10,770.0	7,020	630,586	255.0	68.5%
include	G0785	Otay Mesa 1a	NG Otay Mesa	2023	1,521.1	10,674.4	7,017	624,986	255.0	67.9%
include	G0785	Otay Mesa 1a	NG Otay Mesa	2024	1,518.2	10,648.4	7,014	623,465	255.0	67.8%
include	G0785	Otay Mesa 1a	NG Otay Mesa	2025	1,522.2	10,677.7	7,015	625,179	255.0	68.0%
include	G0785	Otay Mesa 1a	NG Otay Mesa	2026	1,521.1	10,671.3	7,015	624,802	255.0	67.9%
include	G0785	Otay Mesa 1a	NG Otay Mesa	2027	1,506.4	10,567.8	7,015	618,742	255.0	67.3%
include	G0785	Otay Mesa 1b	NG Otay Mesa	2020	1,591.2	11,201.4	7,040	655,841	255.0	71.0%
include	G0785	Otay Mesa 1b	NG Otay Mesa	2021	1,550.3	10,894.7	7,027	637,883	255.0	69.2%
include	G0785	Otay Mesa 1b	NG Otay Mesa	2022	1,538.0	10,801.2	7,023	632,408	255.0	68.7%
include	G0785	Otay Mesa 1b	NG Otay Mesa	2023	1,527.6	10,720.1	7,018	627,660	255.0	68.2%

111(d) designation	CEC Plant ID	PLEXOS Unit Name	Fuel Price Index	Datetime	Generation (GWh)	Fuel Use(1000 MMBTU)	Implied Heat rate(BTU/KWh)	CO2e emissions (M short tons)	Rated Capacity (MW)	Capacity Factor (%)
include	G0785	Otay Mesa 1b	NG Otay Mesa	2024	1,526.2	10,705.2	7,014	626,788	255.0	68.1%
include	G0785	Otay Mesa 1b	NG Otay Mesa	2025	1,523.0	10,682.7	7,014	625,471	255.0	68.0%
include	G0785	Otay Mesa 1b	NG Otay Mesa	2026	1,526.6	10,713.8	7,018	627,291	255.0	68.2%
include	G0785	Otay Mesa 1b	NG Otay Mesa	2027	1,511.8	10,609.9	7,018	621,208	255.0	67.5%
include	G0861	Palomar Escondido 1a	NG SDG&E	2020	674.9	4,781.2	7,084	279,941	282.0	27.2%
include	G0861	Palomar Escondido 1a	NG SDG&E	2021	293.1	2,075.1	7,080	121,499	282.0	11.8%
include	G0861	Palomar Escondido 1a	NG SDG&E	2022	327.3	2,316.8	7,078	135,648	282.0	13.2%
include	G0861	Palomar Escondido 1a	NG SDG&E	2023	150.5	1,068.1	7,097	62,539	282.0	6.1%
include	G0861	Palomar Escondido 1a	NG SDG&E	2024	132.3	942.3	7,121	55,170	282.0	5.3%
include	G0861	Palomar Escondido 1a	NG SDG&E	2025	259.1	1,839.7	7,101	107,717	282.0	10.5%
include	G0861	Palomar Escondido 1a	NG SDG&E	2026	324.2	2,299.9	7,095	134,662	282.0	13.1%
include	G0861	Palomar Escondido 1a	NG SDG&E	2027	321.0	2,277.6	7,095	133,356	282.0	13.0%
include	G0861	Palomar Escondido 1b	NG SDG&E	2020	699.7	4,959.3	7,087	290,367	282.0	28.2%
include	G0861	Palomar Escondido 1b	NG SDG&E	2021	421.5	2,984.1	7,079	174,721	282.0	17.0%
include	G0861	Palomar Escondido 1b	NG SDG&E	2022	255.8	1,815.6	7,098	106,304	282.0	10.3%
include	G0861	Palomar Escondido 1b	NG SDG&E	2023	211.1	1,496.2	7,089	87,604	282.0	8.5%
include	G0861	Palomar Escondido 1b	NG SDG&E	2024	176.3	1,252.1	7,101	73,313	282.0	7.1%
include	G0861	Palomar Escondido 1b	NG SDG&E	2025	200.4	1,426.5	7,119	83,519	282.0	8.1%
include	G0861	Palomar Escondido 1b	NG SDG&E	2026	265.9	1,885.7	7,092	110,408	282.0	10.7%
include	G0861	Palomar Escondido 1b	NG SDG&E	2027	263.3	1,867.4	7,092	109,337	282.0	10.6%
include	G0797	Pastoria CC 1a	NG Kern River	2020	1,974.1	14,003.1	7,093	819,883	260.0	86.4%
include	G0797	Pastoria CC 1a	NG Kern River	2021	1,940.5	13,770.3	7,096	806,250	260.0	85.0%
include	G0797	Pastoria CC 1a	NG Kern River	2022	1,953.4	13,865.6	7,098	811,832	260.0	85.5%
include	G0797	Pastoria CC 1a	NG Kern River	2023	1,921.7	13,642.6	7,099	798,776	260.0	84.1%
include	G0797	Pastoria CC 1a	NG Kern River	2024	1,928.1	13,696.4	7,103	801,925	260.0	84.4%
include	G0797	Pastoria CC 1a	NG Kern River	2025	1,910.6	13,574.4	7,105	794,784	260.0	83.7%
include	G0797	Pastoria CC 1a	NG Kern River	2026	1,895.2	13,463.2	7,104	788,273	260.0	83.0%
include	G0797	Pastoria CC 1a	NG Kern River	2027	1,876.8	13,332.7	7,104	780,628	260.0	82.2%
include	G0797	Pastoria CC 1b	NG Kern River	2020	2,004.2	14,205.8	7,088	831,749	260.0	87.8%
include	G0797	Pastoria CC 1b	NG Kern River	2021	1,975.5	14,002.9	7,088	819,870	260.0	86.5%
include	G0797	Pastoria CC 1b	NG Kern River	2022	1,969.7	13,970.1	7,092	817,948	260.0	86.2%
include	G0797	Pastoria CC 1b	NG Kern River	2023	1,966.5	13,949.7	7,094	816,757	260.0	86.1%
include	G0797	Pastoria CC 1b	NG Kern River	2024	1,958.1	13,897.7	7,098	813,708	260.0	85.7%
include	G0797	Pastoria CC 1b	NG Kern River	2025	1,940.4	13,775.0	7,099	806,525	260.0	85.0%
include	G0797	Pastoria CC 1b	NG Kern River	2026	1,925.2	13,667.8	7,099	800,248	260.0	84.3%
include	G0797	Pastoria CC 1b	NG Kern River	2027	1,906.5	13,535.2	7,099	792,487	260.0	83.5%
include	G0797	Pastoria CC 1c	NG Kern River	2020	1,978.6	14,027.4	7,089	821,303	260.0	86.6%
include	G0797	Pastoria CC 1c	NG Kern River	2021	1,991.7	14,123.4	7,091	826,928	260.0	87.2%
include	G0797	Pastoria CC 1c	NG Kern River	2022	1,976.0	14,015.6	7,093	820,615	260.0	86.5%
include	G0797	Pastoria CC 1c	NG Kern River	2023	1,962.1	13,919.0	7,094	814,955	260.0	85.9%
include	G0797	Pastoria CC 1c	NG Kern River	2024	1,940.7	13,774.4	7,098	806,489	260.0	85.0%
include	G0797	Pastoria CC 1c	NG Kern River	2025	1,930.9	13,703.6	7,097	802,348	260.0	84.5%
include	G0797	Pastoria CC 1c	NG Kern River	2026	1,933.7	13,730.4	7,100	803,912	260.0	84.7%
include	G0797	Pastoria CC 1c	NG Kern River	2027	1,915.0	13,597.2	7,100	796,116	260.0	83.8%

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include	G0487	Redding CC 1	NG PG&E BB	2020	535.8	3,829.8	7,148	224,235	70.0	87.1%
include	G0487	Redding CC 1	NG PG&E BB	2021	525.4	3,754.0	7,145	219,799	70.0	85.5%
include	G0487	Redding CC 1	NG PG&E BB	2022	516.8	3,691.9	7,144	216,160	70.0	84.0%
include	G0487	Redding CC 1	NG PG&E BB	2023	509.6	3,639.8	7,143	213,108	70.0	82.9%
include	G0487	Redding CC 1	NG PG&E BB	2024	498.4	3,559.0	7,140	208,377	70.0	81.1%
include	G0487	Redding CC 1	NG PG&E BB	2025	493.0	3,519.5	7,139	206,064	70.0	80.2%
include	G0487	Redding CC 1	NG PG&E BB	2026	483.4	3,450.9	7,139	202,053	70.0	78.6%
include	G0487	Redding CC 1	NG PG&E BB	2027	478.7	3,417.5	7,139	200,093	70.0	77.9%
include	G0490	Redondo Beach 5	NG SCG	2020	-	-	-	-	178.9	0.0%
include	G0490	Redondo Beach 5	NG SCG	2021	-	-	-	-	-	0.0%
include	G0490	Redondo Beach 5	NG SCG	2022	-	-	-	-	-	0.0%
include	G0490	Redondo Beach 6	NG SCG	2020	-	-	-	-	175.0	0.0%
include	G0490	Redondo Beach 6	NG SCG	2021	-	-	-	-	-	0.0%
include	G0490	Redondo Beach 6	NG SCG	2022	-	-	-	-	-	0.0%
include	G0490	Redondo Beach 7	NG SCG	2020	-	-	-	-	480.0	0.0%
include	G0490	Redondo Beach 7	NG SCG	2021	-	-	-	-	-	0.0%
include	G0490	Redondo Beach 7	NG SCG	2022	-	-	-	-	-	0.0%
include	G0490	Redondo Beach 8	NG SCG	2020	-	-	-	-	480.0	0.0%
include	G0490	Redondo Beach 8	NG SCG	2021	-	-	-	-	-	0.0%
include	G0490	Redondo Beach 8	NG SCG	2022	-	-	-	-	-	0.0%
include	G0213	Roseville Energy 1a	NG PG&E LT	2020	403.4	3,097.9	7,679	181,381	87.5	52.5%
include	G0213	Roseville Energy 1a	NG PG&E LT	2021	313.0	2,403.2	7,679	140,705	87.5	40.7%
include	G0213	Roseville Energy 1a	NG PG&E LT	2022	242.4	1,862.0	7,681	109,020	87.5	31.5%
include	G0213	Roseville Energy 1a	NG PG&E LT	2023	192.5	1,477.9	7,679	86,532	87.5	25.0%
include	G0213	Roseville Energy 1a	NG PG&E LT	2024	107.4	824.8	7,679	48,292	87.5	14.0%
include	G0213	Roseville Energy 1a	NG PG&E LT	2025	135.4	1,039.4	7,679	60,859	87.5	17.6%
include	G0213	Roseville Energy 1a	NG PG&E LT	2026	146.8	1,127.3	7,679	66,002	87.5	19.1%
include	G0213	Roseville Energy 1a	NG PG&E LT	2027	145.4	1,116.3	7,679	65,362	87.5	18.9%
include	G0213	Roseville Energy 1b	NG PG&E LT	2020	417.5	3,206.2	7,680	187,721	87.5	54.3%
include	G0213	Roseville Energy 1b	NG PG&E LT	2021	322.0	2,473.4	7,680	144,817	87.5	41.9%
include	G0213	Roseville Energy 1b	NG PG&E LT	2022	200.8	1,542.3	7,679	90,301	87.5	26.1%
include	G0213	Roseville Energy 1b	NG PG&E LT	2023	201.7	1,548.6	7,679	90,670	87.5	26.2%
include	G0213	Roseville Energy 1b	NG PG&E LT	2024	130.5	1,002.1	7,679	58,672	87.5	17.0%
include	G0213	Roseville Energy 1b	NG PG&E LT	2025	153.1	1,175.7	7,679	68,837	87.5	19.9%
include	G0213	Roseville Energy 1b	NG PG&E LT	2026	132.9	1,020.3	7,679	59,739	87.5	17.3%
include	G0213	Roseville Energy 1b	NG PG&E LT	2027	131.6	1,010.4	7,679	59,160	87.5	17.1%
include	G0935	Russell City 1a	NG PG&E LT	2020	1,637.0	11,640.6	7,111	681,557	310.0	60.1%
include	G0935	Russell City 1a	NG PG&E LT	2021	1,334.1	9,481.3	7,107	555,130	310.0	49.0%
include	G0935	Russell City 1a	NG PG&E LT	2022	1,396.0	9,921.3	7,107	580,891	310.0	51.3%
include	G0935	Russell City 1a	NG PG&E LT	2023	1,468.3	10,433.9	7,106	610,908	310.0	53.9%
include	G0935	Russell City 1a	NG PG&E LT	2024	1,221.5	8,680.4	7,106	508,236	310.0	44.9%
include	G0935	Russell City 1a	NG PG&E LT	2025	1,356.6	9,639.1	7,106	564,367	310.0	49.8%
include	G0935	Russell City 1a	NG PG&E LT	2026	1,330.6	9,451.8	7,103	553,405	310.0	48.9%
include	G0935	Russell City 1a	NG PG&E LT	2027	1,317.7	9,360.2	7,103	548,038	310.0	48.4%

111(d) designation	CEC Plant ID	PLEXOS Unit Name	Fuel Price Index	Datetime	Generation (GWh)	Fuel Use(1000 MMBTU)	Implied Heat rate(BTU/KWh)	CO2e emissions (M short tons)	Rated Capacity (MW)	Capacity Factor (%)
include	G0935	Russell City 1b	NG PG&E LT	2020	1,547.9	11,006.3	7,111	644,418	310.0	56.8%
include	G0935	Russell City 1b	NG PG&E LT	2021	1,314.4	9,343.0	7,108	547,031	310.0	48.3%
include	G0935	Russell City 1b	NG PG&E LT	2022	1,267.5	9,007.8	7,106	527,404	310.0	46.5%
include	G0935	Russell City 1b	NG PG&E LT	2023	1,218.6	8,659.0	7,106	506,982	310.0	44.8%
include	G0935	Russell City 1b	NG PG&E LT	2024	1,117.8	7,939.8	7,103	464,874	310.0	41.0%
include	G0935	Russell City 1b	NG PG&E LT	2025	1,212.3	8,613.7	7,105	504,331	310.0	44.5%
include	G0935	Russell City 1b	NG PG&E LT	2026	1,168.5	8,299.8	7,103	485,950	310.0	42.9%
include	G0935	Russell City 1b	NG PG&E LT	2027	1,157.2	8,219.3	7,103	481,238	310.0	42.5%
include	G0467	SCA Cogen 2 a	NG SMUD	2020	389.6	2,275.7	5,841	133,244	66.3	66.9%
include	G0467	SCA Cogen 2 a	NG SMUD	2021	388.3	2,268.3	5,841	132,810	66.3	66.7%
include	G0467	SCA Cogen 2 a	NG SMUD	2022	388.3	2,268.3	5,841	132,810	66.3	66.7%
include	G0467	SCA Cogen 2 a	NG SMUD	2023	388.3	2,268.3	5,841	132,810	66.3	66.7%
include	G0467	SCA Cogen 2 a	NG SMUD	2024	389.6	2,275.7	5,841	133,244	66.3	66.9%
include	G0467	SCA Cogen 2 a	NG SMUD	2025	388.3	2,268.3	5,841	132,810	66.3	66.7%
include	G0467	SCA Cogen 2 a	NG SMUD	2026	388.3	2,268.3	5,841	132,810	66.3	66.7%
include	G0467	SCA Cogen 2 a	NG SMUD	2027	384.6	2,246.3	5,841	131,522	66.3	66.0%
include	G0467	SCA Cogen 2 b	NG SMUD	2020	389.6	1,329.4	3,412	77,834	68.0	65.2%
include	G0467	SCA Cogen 2 b	NG SMUD	2021	388.3	1,325.0	3,412	77,581	68.0	65.0%
include	G0467	SCA Cogen 2 b	NG SMUD	2022	388.3	1,325.0	3,412	77,581	68.0	65.0%
include	G0467	SCA Cogen 2 b	NG SMUD	2023	388.3	1,325.0	3,412	77,581	68.0	65.0%
include	G0467	SCA Cogen 2 b	NG SMUD	2024	389.6	1,329.4	3,412	77,834	68.0	65.2%
include	G0467	SCA Cogen 2 b	NG SMUD	2025	388.3	1,325.0	3,412	77,581	68.0	65.0%
include	G0467	SCA Cogen 2 b	NG SMUD	2026	388.3	1,325.0	3,412	77,581	68.0	65.0%
include	G0467	SCA Cogen 2 b	NG SMUD	2027	384.6	1,312.2	3,412	76,828	68.0	64.4%
include	G0549	Scattergood 1	NG SCG	2020	391.6	5,143.6	13,135	301,157	179.0	24.9%
include	G0549	Scattergood 1	NG SCG	2021	-	-	-	-	-	0.0%
include	G0549	Scattergood 1	NG SCG	2022	-	-	-	-	-	0.0%
include	G0549	Scattergood 2	NG SCG	2020	394.4	5,254.3	13,322	307,637	179.0	25.1%
include	G0549	Scattergood 2	NG SCG	2021	-	-	-	-	-	0.0%
include	G0549	Scattergood 2	NG SCG	2022	-	-	-	-	-	0.0%
include	G0000	Scattergood CC	NG SCG	2020	602.5	4,235.2	7,030	247,970	300.0	22.9%
include	G0000	Scattergood CC	NG SCG	2021	705.2	4,958.2	7,031	290,304	300.0	26.8%
include	G0000	Scattergood CC	NG SCG	2022	708.3	4,976.5	7,026	291,376	300.0	26.9%
include	G0000	Scattergood CC	NG SCG	2023	747.4	5,248.5	7,022	307,298	300.0	28.4%
include	G0000	Scattergood CC	NG SCG	2024	886.9	6,229.8	7,024	364,753	300.0	33.7%
include	G0000	Scattergood CC	NG SCG	2025	1,165.5	8,177.1	7,016	478,770	300.0	44.2%
include	G0000	Scattergood CC	NG SCG	2026	1,374.4	9,650.6	7,022	565,042	300.0	52.2%
include	G0000	Scattergood CC	NG SCG	2027	1,361.1	9,557.0	7,022	559,562	300.0	51.6%
include	G0000	Scattergood CT 1	NG SCG	2020	-	-	-	-	100.0	0.0%
include	G0000	Scattergood CT 1	NG SCG	2021	-	-	-	-	100.0	0.0%
include	G0000	Scattergood CT 1	NG SCG	2022	-	-	-	-	100.0	0.0%
include	G0000	Scattergood CT 1	NG SCG	2023	-	-	-	-	100.0	0.0%
include	G0000	Scattergood CT 1	NG SCG	2024	-	-	-	-	100.0	0.0%
include	G0000	Scattergood CT 1	NG SCG	2025	-	-	-	-	100.0	0.0%

111(d) designation	CEC Plant ID	PLEXOS Unit Name	Fuel Price Index	Datetime	Generation (GWh)	Fuel Use(1000 MMBTU)	Implied Heat rate(BTU/KWh)	CO2e emissions (M short tons)	Rated Capacity (MW)	Capacity Factor (%)
include	G0000	Scattergood CT 1	NG SCG	2026	-	-	-	-	100.0	0.0%
include	G0000	Scattergood CT 1	NG SCG	2027	-	-	-	-	100.0	0.0%
include	G0000	Scattergood CT 2	NG SCG	2020	-	-	-	-	100.0	0.0%
include	G0000	Scattergood CT 2	NG SCG	2021	-	-	-	-	100.0	0.0%
include	G0000	Scattergood CT 2	NG SCG	2022	-	-	-	-	100.0	0.0%
include	G0000	Scattergood CT 2	NG SCG	2023	-	-	-	-	100.0	0.0%
include	G0000	Scattergood CT 2	NG SCG	2024	-	-	-	-	100.0	0.0%
include	G0000	Scattergood CT 2	NG SCG	2025	-	-	-	-	100.0	0.0%
include	G0000	Scattergood CT 2	NG SCG	2026	0.7	6.3	8,852	366	100.0	0.1%
include	G0000	Scattergood CT 2	NG SCG	2027	0.7	6.2	8,852	363	100.0	0.1%
include	S0071	SEGS III	Solar/NG SCG	2020	54.9	109.8	2,002	6,429	22.6	27.7%
include	S0071	SEGS III	Solar/NG SCG	2021	54.8	109.5	1,998	6,411	22.6	27.6%
include	S0071	SEGS III	Solar/NG SCG	2022	54.8	109.5	1,998	6,411	22.6	27.6%
include	S0071	SEGS III	Solar/NG SCG	2023	54.8	109.5	1,998	6,411	23.7	26.3%
include	S0071	SEGS III	Solar/NG SCG	2024	54.9	109.8	2,002	6,429	22.6	27.7%
include	S0071	SEGS III	Solar/NG SCG	2025	54.8	109.5	1,998	6,411	23.7	26.3%
include	S0071	SEGS III	Solar/NG SCG	2026	54.8	109.5	1,998	6,411	22.6	27.6%
include	S0071	SEGS III	Solar/NG SCG	2027	54.3	109.5	2,018	6,411	22.6	27.4%
include	S0072	SEGS IV	Solar/NG SCG	2020	54.9	128.1	2,335	7,500	22.6	27.7%
include	S0072	SEGS IV	Solar/NG SCG	2021	54.8	127.75	2,332	7,480	22.6	27.6%
include	S0072	SEGS IV	Solar/NG SCG	2022	54.8	127.75	2,332	7,480	22.6	27.6%
include	S0072	SEGS IV	Solar/NG SCG	2023	54.8	127.75	2,332	7,480	23.7	26.3%
include	S0072	SEGS IV	Solar/NG SCG	2024	54.9	128.1	2,335	7,500	22.6	27.7%
include	S0072	SEGS IV	Solar/NG SCG	2025	54.8	127.75	2,332	7,480	23.7	26.3%
include	S0072	SEGS IV	Solar/NG SCG	2026	54.8	127.75	2,332	7,480	22.6	27.6%
include	S0072	SEGS IV	Solar/NG SCG	2027	54.3	127.7	2,354	7,480	22.6	27.4%
include	S0073	SEGS IX	Solar/NG SCG	2020	147.6	128.1	868	7,500	60.7	27.7%
include	S0073	SEGS IX	Solar/NG SCG	2021	147.4	127.75	867	7,480	60.7	27.6%
include	S0073	SEGS IX	Solar/NG SCG	2022	147.4	127.75	867	7,480	60.7	27.6%
include	S0073	SEGS IX	Solar/NG SCG	2023	147.4	127.75	867	7,480	63.8	26.3%
include	S0073	SEGS IX	Solar/NG SCG	2024	147.6	128.1	868	7,500	60.7	27.7%
include	S0073	SEGS IX	Solar/NG SCG	2025	147.4	127.75	867	7,480	63.8	26.3%
include	S0073	SEGS IX	Solar/NG SCG	2026	147.4	127.75	867	7,480	60.7	27.6%
include	S0073	SEGS IX	Solar/NG SCG	2027	146.0	127.7	875	7,480	60.7	27.4%
include	S0074	SEGS V	Solar/NG SCG	2020	54.9	109.8	2,002	6,429	22.6	27.7%
include	S0074	SEGS V	Solar/NG SCG	2021	54.8	109.5	1,998	6,411	22.6	27.6%
include	S0074	SEGS V	Solar/NG SCG	2022	54.8	109.5	1,998	6,411	22.6	27.6%
include	S0074	SEGS V	Solar/NG SCG	2023	54.8	109.5	1,998	6,411	23.7	26.3%
include	S0074	SEGS V	Solar/NG SCG	2024	54.9	109.8	2,002	6,429	22.6	27.7%
include	S0074	SEGS V	Solar/NG SCG	2025	54.8	109.5	1,998	6,411	23.7	26.3%
include	S0074	SEGS V	Solar/NG SCG	2026	54.8	109.5	1,998	6,411	22.6	27.6%
include	S0074	SEGS V	Solar/NG SCG	2027	54.3	109.5	2,018	6,411	22.6	27.4%
include	S0075	SEGS VI	Solar/NG SCG	2020	56.1	128.1	2,282	7,500	23.1	27.7%
include	S0075	SEGS VI	Solar/NG SCG	2021	56.1	127.75	2,278	7,480	23.1	27.6%

111(d) designation	CEC Plant ID	PLEXOS Unit Name	Fuel Price Index	Datetime	Generation (GWh)	Fuel Use(1000 MMBTU)	Implied Heat rate(BTU/KWh)	CO2e emissions (M short tons)	Rated Capacity (MW)	Capacity Factor (%)
include	S0075	SEGS VI	Solar/NG SCG	2022	56.1	127.75	2,278	7,480	23.1	27.6%
include	S0075	SEGS VI	Solar/NG SCG	2023	56.1	127.75	2,278	7,480	24.3	26.3%
include	S0075	SEGS VI	Solar/NG SCG	2024	56.1	128.1	2,282	7,500	23.1	27.7%
include	S0075	SEGS VI	Solar/NG SCG	2025	56.1	127.75	2,278	7,480	24.3	26.3%
include	S0075	SEGS VI	Solar/NG SCG	2026	56.1	127.75	2,278	7,480	23.1	27.6%
include	S0075	SEGS VI	Solar/NG SCG	2027	55.5	127.7	2,301	7,480	23.1	27.4%
include	S0076	SEGS VII	Solar/NG SCG	2020	56.1	109.8	1,956	6,429	23.1	27.7%
include	S0076	SEGS VII	Solar/NG SCG	2021	56.1	109.5	1,953	6,411	23.1	27.6%
include	S0076	SEGS VII	Solar/NG SCG	2022	56.1	109.5	1,953	6,411	23.1	27.6%
include	S0076	SEGS VII	Solar/NG SCG	2023	56.1	109.5	1,953	6,411	24.3	26.3%
include	S0076	SEGS VII	Solar/NG SCG	2024	56.1	109.8	1,956	6,429	23.1	27.7%
include	S0076	SEGS VII	Solar/NG SCG	2025	56.1	109.5	1,953	6,411	24.3	26.3%
include	S0076	SEGS VII	Solar/NG SCG	2026	56.1	109.5	1,953	6,411	23.1	27.6%
include	S0076	SEGS VII	Solar/NG SCG	2027	55.5	109.5	1,972	6,411	23.1	27.4%
include	S0077	SEGS VIII	Solar/NG SCG	2020	147.6	128.1	868	7,500	60.7	27.7%
include	S0077	SEGS VIII	Solar/NG SCG	2021	147.4	127.75	867	7,480	60.7	27.6%
include	S0077	SEGS VIII	Solar/NG SCG	2022	147.4	127.75	867	7,480	60.7	27.6%
include	S0077	SEGS VIII	Solar/NG SCG	2023	147.4	127.75	867	7,480	63.8	26.3%
include	S0077	SEGS VIII	Solar/NG SCG	2024	147.6	128.1	868	7,500	60.7	27.7%
include	S0077	SEGS VIII	Solar/NG SCG	2025	147.4	127.75	867	7,480	63.8	26.3%
include	S0077	SEGS VIII	Solar/NG SCG	2026	147.4	127.75	867	7,480	60.7	27.6%
include	S0077	SEGS VIII	Solar/NG SCG	2027	146.0	127.7	875	7,480	60.7	27.4%
include	G0076	SPA Campbell CG 1	NG SMUD	2020	751.8	3,202.6	4,260	187,510	164.0	52.2%
include	G0076	SPA Campbell CG 1	NG SMUD	2021	751.8	3,202.6	4,260	187,510	164.0	52.2%
include	G0076	SPA Campbell CG 1	NG SMUD	2022	747.8	3,185.8	4,260	186,528	164.0	51.9%
include	G0076	SPA Campbell CG 1	NG SMUD	2023	751.8	3,202.6	4,260	187,510	164.0	52.2%
include	G0076	SPA Campbell CG 1	NG SMUD	2024	751.8	3,202.6	4,260	187,510	164.0	52.2%
include	G0076	SPA Campbell CG 1	NG SMUD	2025	751.8	3,202.6	4,260	187,510	164.0	52.2%
include	G0076	SPA Campbell CG 1	NG SMUD	2026	751.8	3,202.6	4,260	187,510	164.0	52.2%
include	G0076	SPA Campbell CG 1	NG SMUD	2027	744.5	3,171.5	4,260	185,692	164.0	51.7%
include	G0784	Sunrise Power CC 1a	NG Kern River	2020	1,661.5	11,804.4	7,105	691,148	250.5	75.5%
include	G0784	Sunrise Power CC 1a	NG Kern River	2021	1,515.7	10,717.5	7,071	627,513	250.5	68.9%
include	G0784	Sunrise Power CC 1a	NG Kern River	2022	1,483.3	10,461.1	7,053	612,499	250.5	67.4%
include	G0784	Sunrise Power CC 1a	NG Kern River	2023	1,334.1	9,390.6	7,039	549,822	250.5	60.6%
include	G0784	Sunrise Power CC 1a	NG Kern River	2024	1,363.8	9,580.2	7,024	560,922	250.5	62.0%
include	G0784	Sunrise Power CC 1a	NG Kern River	2025	1,470.3	10,320.9	7,020	604,288	250.5	66.8%
include	G0784	Sunrise Power CC 1a	NG Kern River	2026	1,399.6	9,826.6	7,021	575,350	250.5	63.6%
include	G0784	Sunrise Power CC 1a	NG Kern River	2027	1,386.0	9,731.3	7,021	569,770	250.5	63.0%
include	G0784	Sunrise Power CC 1b	NG Kern River	2020	1,675.4	11,896.7	7,101	696,553	250.5	76.1%
include	G0784	Sunrise Power CC 1b	NG Kern River	2021	1,544.4	10,915.0	7,067	639,071	250.5	70.2%
include	G0784	Sunrise Power CC 1b	NG Kern River	2022	1,458.5	10,283.7	7,051	602,113	250.5	66.3%
include	G0784	Sunrise Power CC 1b	NG Kern River	2023	1,466.8	10,315.8	7,033	603,992	250.5	66.7%
include	G0784	Sunrise Power CC 1b	NG Kern River	2024	1,438.4	10,100.1	7,022	591,362	250.5	65.4%
include	G0784	Sunrise Power CC 1b	NG Kern River	2025	1,458.0	10,239.2	7,023	599,504	250.5	66.3%



111(d) designation	CEC Plant ID	PLEXOS Unit Name	Fuel Price Index	Datetime	Generation (GWh)	Fuel Use(1000 MMBTU)	Implied Heat rate(BTU/KWh)	CO2e emissions (M short tons)	Rated Capacity (MW)	Capacity Factor (%)
include	G0784	Sunrise Power CC 1b	NG Kern River	2026	1,409.4	9,893.6	7,020	579,268	250.5	64.1%
include	G0784	Sunrise Power CC 1b	NG Kern River	2027	1,395.7	9,797.6	7,020	573,650	250.5	63.4%
include	G0779	Sutter 1a	NG PG&E BB	2020	1,668.5	11,624.2	6,967	680,597	276.5	68.7%
include	G0779	Sutter 1a	NG PG&E BB	2021	1,462.3	10,181.8	6,963	596,146	276.5	60.2%
include	G0779	Sutter 1a	NG PG&E BB	2022	1,392.8	9,695.9	6,961	567,697	276.5	57.3%
include	G0779	Sutter 1a	NG PG&E BB	2023	1,344.1	9,356.1	6,961	547,800	276.5	55.3%
include	G0779	Sutter 1a	NG PG&E BB	2024	1,191.9	8,293.9	6,958	485,605	276.5	49.1%
include	G0779	Sutter 1a	NG PG&E BB	2025	1,271.3	8,842.9	6,956	517,751	276.5	52.3%
include	G0779	Sutter 1a	NG PG&E BB	2026	1,316.6	9,155.4	6,954	536,051	276.5	54.2%
include	G0779	Sutter 1a	NG PG&E BB	2027	1,303.8	9,066.6	6,954	530,852	276.5	53.7%
include	G0779	Sutter 1b	NG PG&E BB	2020	1,706.0	11,886.9	6,968	695,980	276.5	70.2%
include	G0779	Sutter 1b	NG PG&E BB	2021	1,537.9	10,706.3	6,962	626,856	276.5	63.3%
include	G0779	Sutter 1b	NG PG&E BB	2022	1,377.4	9,589.2	6,962	561,447	276.5	56.7%
include	G0779	Sutter 1b	NG PG&E BB	2023	1,365.6	9,502.9	6,959	556,393	276.5	56.2%
include	G0779	Sutter 1b	NG PG&E BB	2024	1,171.4	8,151.2	6,958	477,254	276.5	48.2%
include	G0779	Sutter 1b	NG PG&E BB	2025	1,351.2	9,401.6	6,958	550,463	276.5	55.6%
include	G0779	Sutter 1b	NG PG&E BB	2026	1,276.2	8,873.7	6,953	519,557	276.5	52.5%
include	G0779	Sutter 1b	NG PG&E BB	2027	1,263.8	8,787.7	6,953	514,519	276.5	52.0%
include	G0590	Sycamore Cogen GTB	NG TEOR Cogen	2020	9.4	74.1	7,904	4,339	74.4	1.4%
include	G0590	Sycamore Cogen GTB	NG TEOR Cogen	2021	9.4	74.6	7,976	4,366	74.4	1.4%
include	G0590	Sycamore Cogen GTB	NG TEOR Cogen	2022	9.4	74.3	7,952	4,353	74.4	1.4%
include	G0590	Sycamore Cogen GTB	NG TEOR Cogen	2023	9.4	74.7	7,990	4,374	74.4	1.4%
include	G0590	Sycamore Cogen GTB	NG TEOR Cogen	2024	9.4	75.0	7,998	4,391	74.4	1.4%
include	G0590	Sycamore Cogen GTB	NG TEOR Cogen	2025	9.4	74.8	8,005	4,382	74.4	1.4%
include	G0590	Sycamore Cogen GTB	NG TEOR Cogen	2026	9.4	74.9	8,016	4,388	74.4	1.4%
include	G0590	Sycamore Cogen GTB	NG TEOR Cogen	2027	9.3	74.2	8,016	4,346	74.4	1.4%
include	G0590	Sycamore Cogen GTD	NG TEOR Cogen	2020	9.4	74.1	7,906	4,340	74.4	1.4%
include	G0590	Sycamore Cogen GTD	NG TEOR Cogen	2021	9.4	74.6	7,974	4,365	74.4	1.4%
include	G0590	Sycamore Cogen GTD	NG TEOR Cogen	2022	9.4	74.4	7,953	4,354	74.4	1.4%
include	G0590	Sycamore Cogen GTD	NG TEOR Cogen	2023	9.4	74.6	7,979	4,368	74.4	1.4%
include	G0590	Sycamore Cogen GTD	NG TEOR Cogen	2024	9.4	75.0	7,998	4,391	74.4	1.4%
include	G0590	Sycamore Cogen GTD	NG TEOR Cogen	2025	9.4	74.9	8,009	4,384	74.4	1.4%
include	G0590	Sycamore Cogen GTD	NG TEOR Cogen	2026	9.4	75.0	8,019	4,390	74.4	1.4%
include	G0590	Sycamore Cogen GTD	NG TEOR Cogen	2027	9.3	74.2	8,019	4,347	74.4	1.4%
include	G0838	Tracy CC	NG PG&E LT	2020	222.6	1,672.6	7,513	97,932	314.0	8.1%
include	G0838	Tracy CC	NG PG&E LT	2021	72.3	544.3	7,530	31,867	314.0	2.6%
include	G0838	Tracy CC	NG PG&E LT	2022	68.1	511.5	7,507	29,946	314.0	2.5%
include	G0838	Tracy CC	NG PG&E LT	2023	11.1	83.3	7,500	4,875	314.0	0.4%
include	G0838	Tracy CC	NG PG&E LT	2024	14.8	110.7	7,500	6,481	314.0	0.5%
include	G0838	Tracy CC	NG PG&E LT	2025	83.1	624.5	7,520	36,567	314.0	3.0%
include	G0838	Tracy CC	NG PG&E LT	2026	50.3	379.1	7,534	22,196	314.0	1.8%
include	G0838	Tracy CC	NG PG&E LT	2027	49.8	375.4	7,534	21,981	314.0	1.8%
include	G0648	Valley (CA) 1A	NG SCG	2020	-	-	-	-	240.0	0.0%
include	G0648	Valley (CA) 1A	NG SCG	2021	-	-	-	-	240.0	0.0%

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include	G0648	Valley (CA) 1A	NG SCG	2022	-	-	-	-	240.0	0.0%
include	G0648	Valley (CA) 1A	NG SCG	2023	-	-	-	-	240.0	0.0%
include	G0648	Valley (CA) 1A	NG SCG	2024	-	-	-	-	240.0	0.0%
include	G0648	Valley (CA) 1A	NG SCG	2025	23.7	173.4	7,309	10,152	240.0	1.1%
include	G0648	Valley (CA) 1A	NG SCG	2026	85.3	621.9	7,292	36,412	240.0	4.0%
include	G0648	Valley (CA) 1A	NG SCG	2027	84.5	615.9	7,292	36,059	240.0	4.0%
include	G0648	Valley (CA) 1B	NG SCG	2020	-	-	-	-	240.0	0.0%
include	G0648	Valley (CA) 1B	NG SCG	2021	-	-	-	-	240.0	0.0%
include	G0648	Valley (CA) 1B	NG SCG	2022	3.1	22.9	7,329	1,341	240.0	0.1%
include	G0648	Valley (CA) 1B	NG SCG	2023	0.3	1.9	7,304	109	240.0	0.0%
include	G0648	Valley (CA) 1B	NG SCG	2024	12.2	89.5	7,305	5,239	240.0	0.6%
include	G0648	Valley (CA) 1B	NG SCG	2025	95.1	693.9	7,294	40,628	240.0	4.5%
include	G0648	Valley (CA) 1B	NG SCG	2026	107.6	784.3	7,290	45,923	240.0	5.1%
include	G0648	Valley (CA) 1B	NG SCG	2027	106.5	776.7	7,290	45,478	240.0	5.1%
include	G0648	Valley (CA) 5	NG SCG	2020	-	-	-	-	60.5	0.0%
include	G0648	Valley (CA) 5	NG SCG	2021	-	-	-	-	60.5	0.0%
include	G0648	Valley (CA) 5	NG SCG	2022	-	-	-	-	60.5	0.0%
include	G0648	Valley (CA) 5	NG SCG	2023	-	-	-	-	60.5	0.0%
include	G0648	Valley (CA) 5	NG SCG	2024	-	-	-	-	60.5	0.0%
include	G0648	Valley (CA) 5	NG SCG	2025	-	-	-	-	60.5	0.0%
include	G0648	Valley (CA) 5	NG SCG	2026	-	-	-	-	60.5	0.0%
include	G0648	Valley (CA) 5	NG SCG	2027	-	-	-	-	60.5	0.0%
include	G0900	Walnut Energy Center 1a	NG PG&E LT	2020	141.8	1,123.4	7,922	65,773	134.5	12.0%
include	G0900	Walnut Energy Center 1a	NG PG&E LT	2021	48.7	385.3	7,920	22,561	134.5	4.1%
include	G0900	Walnut Energy Center 1a	NG PG&E LT	2022	15.4	122.3	7,922	7,162	134.5	1.3%
include	G0900	Walnut Energy Center 1a	NG PG&E LT	2023	69.6	551.0	7,919	32,259	134.5	5.9%
include	G0900	Walnut Energy Center 1a	NG PG&E LT	2024	10.2	80.4	7,918	4,710	134.5	0.9%
include	G0900	Walnut Energy Center 1a	NG PG&E LT	2025	13.4	106.0	7,915	6,205	134.5	1.1%
include	G0900	Walnut Energy Center 1a	NG PG&E LT	2026	29.8	236.2	7,919	13,830	134.5	2.5%
include	G0900	Walnut Energy Center 1a	NG PG&E LT	2027	29.5	233.9	7,919	13,696	134.5	2.5%
include	G0900	Walnut Energy Center 1b	NG PG&E LT	2020	168.3	1,333.3	7,922	78,064	134.5	14.2%
include	G0900	Walnut Energy Center 1b	NG PG&E LT	2021	57.7	456.7	7,920	26,741	134.5	4.9%
include	G0900	Walnut Energy Center 1b	NG PG&E LT	2022	33.0	261.6	7,922	15,314	134.5	2.8%
include	G0900	Walnut Energy Center 1b	NG PG&E LT	2023	25.0	197.7	7,919	11,577	134.5	2.1%
include	G0900	Walnut Energy Center 1b	NG PG&E LT	2024	13.1	103.9	7,918	6,082	134.5	1.1%
include	G0900	Walnut Energy Center 1b	NG PG&E LT	2025	21.8	172.5	7,922	10,098	134.5	1.8%
include	G0900	Walnut Energy Center 1b	NG PG&E LT	2026	14.0	111.0	7,918	6,499	134.5	1.2%
include	G0900	Walnut Energy Center 1b	NG PG&E LT	2027	13.9	109.9	7,918	6,436	134.5	1.2%
include	G0679	Woodland CC 1	NG PG&E LT	2020	201.3	1,542.5	7,662	90,312	63.0	36.4%
include	G0679	Woodland CC 1	NG PG&E LT	2021	126.3	968.8	7,669	56,723	63.0	22.8%
include	G0679	Woodland CC 1	NG PG&E LT	2022	102.9	789.7	7,674	46,237	63.0	18.6%
include	G0679	Woodland CC 1	NG PG&E LT	2023	89.1	682.5	7,664	39,961	63.0	16.1%
include	G0679	Woodland CC 1	NG PG&E LT	2024	26.5	202.9	7,655	11,877	63.0	4.8%
include	G0679	Woodland CC 1	NG PG&E LT	2025	58.0	444.1	7,658	26,001	63.0	10.5%

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include	G0679	Woodland CC 1	NG PG&E LT	2026	84.1	644.4	7,663	37,730	63.0	15.2%
include	G0679	Woodland CC 1	NG PG&E LT	2027	83.3	638.1	7,663	37,364	63.0	15.0%
include	G0221	Agnews 1	NG PG&E LT	2028	1.0	9.1	9,213	534	30.5	0.4%
include	G0040	Badger Creek 1	NG TEOR Cogen	2028	19.6	184.8	9,433	10,818	47.0	4.7%
include	G0428	Bear Mountain CG 1	NG TEOR Cogen	2028	35.2	322.6	9,156	18,886	47.0	8.5%
include	G0787	Blythe ALS	NG Blythe	2028	1,878.5	12,944.3	6,891	757,888	262.5	81.5%
include	G0787	Blythe BLS	NG Blythe	2028	1,751.3	12,067.8	6,891	706,571	262.5	76.0%
include	G0084	Carson Cogen Co. 1	NG SCG	2028	10.9	105.9	9,712	6,200	48.0	2.6%
include	G0085	Carson Ice CG CC	NG SMUD	2028	193.2	983.3	5,090	57,573	57.8	38.0%
include	G0085	Carson Ice CG GT1	NG SMUD	2028	138.6	921.4	6,647	53,948	43.2	36.5%
include	G0429	Chalk Cliff CG 1	NG TEOR Cogen	2028	48.5	427.0	8,803	24,999	30.6	18.1%
include	G0923	Clearwater Cogen 1	NG SCG	2028	21.8	147.5	6,773	8,634	28.0	8.9%
include	G0934	Colusa Gener 1A	NG PG&E LT	2028	1,196.1	8,485.5	7,094	496,824	330.0	41.3%
include	G0934	Colusa Gener 1B	NG PG&E LT	2028	1,290.3	9,153.7	7,094	535,950	330.0	44.5%
Include	G0149	Corona Cogen 1	NG SCG	2028	124.4	743.0	5,973	43,503	25.7	55.2%
include	G0889	Cosumnes River 1a	NG SMUD	2028	1,402.0	10,264.4	7,321	600,981	249.1	64.1%
include	G0889	Cosumnes River 1b	NG SMUD	2028	1,428.9	10,470.0	7,328	613,019	249.1	65.3%
include	G0161	Crockett Cogen 1	NG PG&E LT	2028	1,722.6	8,871.1	5,150	519,405	247.4	79.3%
include	G0783	Delta Energy 1a	NG PG&E BB	2028	5,331.3	37,126.1	6,964	2,173,733	833.1	72.9%
include	G0169	Donald Von Raesfeld 1a	NG PG&E BB	2028	-	-	-	-	60.5	0.0%
include	G0169	Donald Von Raesfeld 1b	NG PG&E BB	2028	3.1	23.7	7,644	1,390	60.5	0.6%
include	G0190	El Centro 4	NG SCG	2028	-	-	-	-	73.9	0.0%
include	G0190	El Centro CC 2	NG SCG	2028	1.1	10.5	9,329	616	115.0	0.1%
include	G0190	El Centro CC 3	NG SCG	2028	33.9	270.6	7,982	15,845	165.0	2.3%
include	G0053	El Segundo 5a	NG SCG	2028	1,715.0	11,571.1	6,747	677,487	275.0	71.0%
include	G0053	El Segundo 5b	NG SCG	2028	1,722.3	11,621.1	6,748	680,415	275.0	71.3%
include	G0799	Elk Hills CC 1	NG S Cal Prod	2028	2,168.6	14,606.6	6,736	855,214	308.5	80.0%
include	G0799	Elk Hills CC 2	NG S Cal Prod	2028	2,169.2	14,611.6	6,736	855,510	308.5	80.0%
include	G0384	Fresno Cogen 1b	NG PG&E LT	2028	22.7	134.7	5,922	7,884	50.5	5.1%
include	G0950	Gateway Generating 8a	NG PG&E LT	2028	901.7	6,474.1	7,180	379,058	306.0	33.5%
include	G0950	Gateway Generating 8b	NG PG&E LT	2028	984.8	7,068.9	7,178	413,882	306.0	36.6%
include	G0229	Gilroy Power Plant 1	NG PG&E LT	2028	60.2	318.5	5,292	18,646	105.0	6.5%
include	G0233	Goal Line Cogen 1	NG SDG&E	2028	255.3	1,323.8	5,186	77,507	34.8	83.5%
include	G0236	Grayson 5	NG SCG/Landfill Gas	2028	-	-	-	-	-	0.0%
include	G0236	Grayson CC A	NG SCG	2028	-	-	-	-	50.0	0.0%
include	G0236	Grayson CC BC	NG SCG	2028	0.7	6.2	8,772	363	80.0	0.1%
include	G0238	Greenleaf 1	NG PG&E LT	2028	6.5	59.6	9,120	3,492	46.9	1.6%
include	G0239	Greenleaf 2	NG PG&E LT	2028	257.9	1,478.1	5,731	86,544	40.0	73.5%
include	G0245	Harbor CC 1	NG SCG	2028	762.1	4,533.8	5,949	265,452	122.8	70.6%
include	G0245	Harbor CC 2	NG SCG	2028	783.9	4,729.8	6,034	276,931	122.8	72.6%
include	G0246	Harbor CGCC 1	NG SCG	2028	23.6	223.8	9,464	13,103	100.0	2.7%
include	G0249	Haynes 1	NG SCG	2028	0.1	1.2	12,104	69	222.0	0.0%
include	G0249	Haynes 2	NG SCG	2028	-	-	-	-	222.0	0.0%
include	G0249	Haynes Rpwr 8-10a	NG SCG	2028	32.4	232.4	7,178	13,608	227.5	1.6%

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include	G0249	Haynes Rpwrr 8-10b	NG SCG	2028	245.9	1,757.8	7,147	102,920	248.7	11.3%
include	G0778	High Desert Power 1a	NG Kern River	2028	1,306.5	9,595.6	7,344	561,821	288.0	51.6%
include	G0778	High Desert Power 1b	NG Kern River	2028	1,249.8	9,179.2	7,344	537,443	288.0	49.4%
include	G0778	High Desert Power 1c	NG Kern River	2028	1,311.4	9,631.8	7,344	563,942	288.0	51.8%
include	G0868	Inland Empire Energy 1	NG SCG	2028	2,596.6	17,334.4	6,676	1,014,930	405.0	73.0%
include	G0868	Inland Empire Energy 2	NG SCG	2028	2,611.8	17,438.0	6,677	1,020,996	405.0	73.4%
include	G0293	Kern River CG TAG	NG TEOR Cogen	2028	-	-	-	-	-	0.0%
include	G0293	Kern River CG TBG	NG TEOR Cogen	2028	-	-	-	-	-	0.0%
include	G0293	Kern River CG TCG	NG TEOR Cogen	2028	-	-	-	-	-	0.0%
include	G0019	King City Cogen 1	NG PG&E LT	2028	466.5	1,728.2	3,705	101,187	89.2	59.5%
include	G0286	Kingsburg Cogen 1	NG PG&E LT	2028	-	-	-	-	23.1	0.0%
include	G0781	La Paloma 1	NG Kern River	2028	1,301.0	9,799.3	7,532	573,749	256.2	57.8%
include	G0781	La Paloma 2	NG Kern River	2028	1,257.4	9,606.1	7,639	562,437	260.2	55.0%
include	G0781	La Paloma 3	NG Kern River	2028	1,054.8	8,224.0	7,797	481,515	259.8	46.2%
include	G0781	La Paloma 4	NG Kern River	2028	1,212.3	9,325.2	7,692	545,990	259.8	53.1%
include	G0315	Live Oak Limited 1	NG TEOR Cogen	2028	18.6	174.5	9,386	10,216	41.5	5.1%
include	G1009	Lodi Energy Center	NG PG&E LT	2028	1,827.4	12,997.8	7,113	761,019	280.0	74.3%
include	G0866	Los Esteros CC	NG PG&E LT	2028	656.6	4,945.4	7,532	289,552	300.0	24.9%
include	G0780	Los Medanos EC 1a	NG PG&E LT	2028	1,044.2	7,220.5	6,915	422,760	297.0	40.0%
include	G0780	Los Medanos EC 1b	NG PG&E LT	2028	1,027.0	7,097.0	6,910	415,527	297.0	39.4%
include	G0329	Magnolia Repower 1	NG SCG	2028	803.9	5,614.8	6,985	328,749	316.0	29.0%
include	G0894	Malburg 1a	NG SCG	2028	271.1	2,086.1	7,695	122,141	67.5	45.7%
include	G0894	Malburg 1b	NG SCG	2028	270.2	2,079.6	7,697	121,761	67.5	45.6%
include	G0339	McKittrick Ltd 1	NG TEOR Cogen	2028	18.0	165.7	9,213	9,704	35.4	5.8%
include	G0794	Metcalfe Energy 1a	NG PG&E BB	2028	240.0	1,810.4	7,545	106,000	282.9	9.7%
include	G0794	Metcalfe Energy 1b	NG PG&E BB	2028	244.9	1,848.1	7,545	108,208	282.9	9.9%
include	G0358	Midway Sunset A	NG TEOR Cogen	2028	378.1	2,682.7	7,096	157,074	48.4	88.9%
include	G0358	Midway Sunset B	NG TEOR Cogen	2028	378.2	2,683.7	7,096	157,131	48.4	89.0%
include	G0358	Midway Sunset C	NG TEOR Cogen	2028	377.9	2,681.6	7,096	157,008	48.4	88.9%
include	G0372	Moss Landing CC 1a	NG PG&E BB	2028	1,823.8	11,580.1	6,349	678,012	255.0	81.4%
include	G0372	Moss Landing CC 1b	NG PG&E BB	2028	1,866.6	11,851.4	6,349	693,902	255.0	83.3%
include	G0372	Moss Landing CC 2a	NG PG&E BB	2028	1,865.6	11,787.5	6,318	690,157	255.0	83.3%
include	G0372	Moss Landing CC 2b	NG PG&E BB	2028	1,877.1	11,860.6	6,319	694,437	255.0	83.8%
include	G0795	Mountainview CC 3a	NG SCG	2028	302.8	2,180.9	7,201	127,694	242.3	14.2%
include	G0795	Mountainview CC 3b	NG SCG	2028	309.3	2,226.5	7,199	130,360	242.3	14.5%
include	G0795	Mountainview CC 4a	NG SCG	2028	68.3	494.7	7,243	28,967	242.3	3.2%
include	G0795	Mountainview CC 4b	NG SCG	2028	74.5	536.5	7,202	31,413	242.3	3.5%
include	G0626	NavalStationCG 1	NG SDG&E	2028	306.5	1,505.6	4,912	88,150	51.3	68.0%
include	G0399	North Island EF CC	NG SDG&E	2028	243.2	2,270.6	9,336	132,945	37.0	74.8%
include	G0399	North Island EF CC ST	NG SDG&E	2028	30.6	-	-	-	4.1	86.1%
include	G0403	O L S Camarillo 1	NG SCG	2028	191.3	990.9	5,180	58,017	27.3	79.8%
include	G0404	O L S Chino 1	NG SCG	2028	207.5	1,106.9	5,335	64,807	25.9	91.1%
include	G0409	Oildale Energy 1	NG PG&E LT	2028	-	-	-	-	-	0.0%
include	G0410	Olive 2	NG SCG	2028	-	-	-	-	-	0.0%

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include	G0785	Otay Mesa 1a	NG Otay Mesa	2028	1,491.8	10,465.3	7,015	612,742	255.0	66.6%
include	G0785	Otay Mesa 1b	NG Otay Mesa	2028	1,497.1	10,507.0	7,018	615,183	255.0	66.8%
include	G0861	Palomar Escondido 1a	NG SDG&E	2028	317.9	2,255.6	7,095	132,063	282.0	12.8%
include	G0861	Palomar Escondido 1b	NG SDG&E	2028	260.8	1,849.3	7,092	108,277	282.0	10.5%
include	G0797	Pastoria CC 1a	NG Kern River	2028	1,858.6	13,203.4	7,104	773,058	260.0	81.4%
include	G0797	Pastoria CC 1b	NG Kern River	2028	1,888.0	13,404.0	7,099	784,802	260.0	82.7%
include	G0797	Pastoria CC 1c	NG Kern River	2028	1,896.4	13,465.3	7,100	788,395	260.0	83.0%
include	G0487	Redding CC 1	NG PG&E BB	2028	474.1	3,384.3	7,139	198,153	70.0	77.1%
include	G0213	Roseville Energy 1a	NG PG&E LT	2028	144.0	1,105.5	7,679	64,728	87.5	18.7%
include	G0213	Roseville Energy 1b	NG PG&E LT	2028	130.3	1,000.6	7,679	58,586	87.5	17.0%
include	G0935	Russell City 1a	NG PG&E LT	2028	1,304.9	9,269.4	7,103	542,724	310.0	47.9%
include	G0935	Russell City 1b	NG PG&E LT	2028	1,145.9	8,139.5	7,103	476,570	310.0	42.1%
include	G0467	SCA Cogen 2 a	NG SMUD	2028	380.8	2,224.5	5,841	130,247	66.3	65.4%
include	G0467	SCA Cogen 2 b	NG SMUD	2028	380.8	1,299.5	3,412	76,083	68.0	63.8%
include	G0000	Scattergood CC	NG SCG	2028	1,347.9	9,464.3	7,022	554,135	300.0	51.1%
include	G0000	Scattergood CT 1	NG SCG	2028	-	-	-	-	100.0	0.0%
include	G0000	Scattergood CT 2	NG SCG	2028	0.7	6.1	8,852	359	100.0	0.1%
include	S0071	SEGS III	Solar/NG SCG	2028	53.7	109.8	2,043	6,429	22.6	27.1%
include	S0072	SEGS IV	Solar/NG SCG	2028	53.7	128.1	2,384	7,500	22.6	27.1%
include	S0073	SEGS IX	Solar/NG SCG	2028	144.6	128.1	886	7,500	60.7	27.1%
include	S0074	SEGS V	Solar/NG SCG	2028	53.7	109.8	2,043	6,429	22.6	27.1%
include	S0075	SEGS VI	Solar/NG SCG	2028	55.0	128.1	2,329	7,500	23.1	27.1%
include	S0076	SEGS VII	Solar/NG SCG	2028	55.0	109.8	1,997	6,429	23.1	27.1%
include	S0077	SEGS VIII	Solar/NG SCG	2028	144.6	128.1	886	7,500	60.7	27.1%
include	G0076	SPA Campbell CG 1	NG SMUD	2028	737.3	3,140.7	4,260	183,891	164.0	51.2%
include	G0784	Sunrise Power CC 1a	NG Kern River	2028	1,372.6	9,637.0	7,021	564,245	250.5	62.4%
include	G0784	Sunrise Power CC 1b	NG Kern River	2028	1,382.2	9,702.6	7,020	568,087	250.5	62.8%
include	G0779	Sutter 1a	NG PG&E BB	2028	1,291.2	8,978.7	6,954	525,704	276.5	53.2%
include	G0779	Sutter 1b	NG PG&E BB	2028	1,251.5	8,702.5	6,953	509,529	276.5	51.5%
include	G0590	Sycamore Cogen GTB	NG TEOR Cogen	2028	9.2	73.5	8,016	4,304	74.4	1.4%
include	G0590	Sycamore Cogen GTD	NG TEOR Cogen	2028	9.2	73.5	8,019	4,305	74.4	1.4%
include	G0838	Tracy CC	NG PG&E LT	2028	49.3	371.8	7,534	21,768	314.0	1.8%
include	G0648	Valley (CA) 1A	NG SCG	2028	83.6	609.9	7,292	35,709	240.0	4.0%
include	G0648	Valley (CA) 1B	NG SCG	2028	105.5	769.2	7,290	45,037	240.0	5.0%
include	G0648	Valley (CA) 5	NG SCG	2028	-	-	-	-	60.5	0.0%
include	G0900	Walnut Energy Center 1a	NG PG&E LT	2028	29.3	231.6	7,919	13,563	134.5	2.5%
include	G0900	Walnut Energy Center 1b	NG PG&E LT	2028	13.7	108.9	7,918	6,373	134.5	1.2%
include	G0679	Woodland CC 1	NG PG&E LT	2028	82.5	632.0	7,663	37,001	63.0	14.9%
include	G0221	Agnews 1	NG PG&E LT	2029	1.0	9.0	9,213	529	30.5	0.4%
include	G0040	Badger Creek 1	NG TEOR Cogen	2029	19.4	183.0	9,433	10,713	47.0	4.7%
include	G0428	Bear Mountain CG 1	NG TEOR Cogen	2029	34.9	319.4	9,156	18,703	47.0	8.5%
include	G0787	Blythe ALS	NG Blythe	2029	1,860.2	12,818.8	6,891	750,538	262.5	80.7%
include	G0787	Blythe BLS	NG Blythe	2029	1,734.3	11,950.8	6,891	699,718	262.5	75.2%
include	G0084	Carson Cogen Co. 1	NG SCG	2029	10.8	104.9	9,712	6,140	48.0	2.6%

111(d) designation	CEC Plant ID	PLEXOS Unit Name	Fuel Price Index	Datetime	Generation (GWh)	Fuel Use(1000 MMBTU)	Implied Heat rate(BTU/KWh)	CO2e emissions (M short tons)	Rated Capacity (MW)	Capacity Factor (%)
include	G0085	Carson Ice CG CC	NG SMUD	2029	191.3	973.8	5,090	57,015	57.8	37.7%
include	G0085	Carson Ice CG GT1	NG SMUD	2029	137.3	912.5	6,647	53,425	43.2	36.2%
include	G0429	Chalk Cliff CG 1	NG TEOR Cogen	2029	48.0	422.8	8,803	24,757	30.6	17.9%
include	G0923	Clearwater Cogen 1	NG SCG	2029	21.6	146.0	6,773	8,550	28.0	8.8%
include	G0934	Colusa Gener 1A	NG PG&E LT	2029	1,184.5	8,403.2	7,094	492,005	330.0	40.9%
include	G0934	Colusa Gener 1B	NG PG&E LT	2029	1,277.8	9,064.9	7,094	530,752	330.0	44.1%
Include	G0149	Corona Cogen 1	NG SCG	2029	123.2	735.8	5,973	43,081	25.7	54.6%
include	G0889	Cosumnes River 1a	NG SMUD	2029	1,388.4	10,164.9	7,321	595,153	249.1	63.5%
include	G0889	Cosumnes River 1b	NG SMUD	2029	1,415.0	10,368.5	7,328	607,074	249.1	64.7%
include	G0161	Crockett Cogen 1	NG PG&E LT	2029	1,705.8	8,785.1	5,150	514,368	247.4	78.5%
include	G0783	Delta Energy 1a	NG PG&E BB	2029	5,279.6	36,766.0	6,964	2,152,652	833.1	72.1%
include	G0169	Donald Von Raesfeld 1a	NG PG&E BB	2029	-	-	-	-	60.5	0.0%
include	G0169	Donald Von Raesfeld 1b	NG PG&E BB	2029	3.1	23.5	7,644	1,377	60.5	0.6%
include	G0190	El Centro 4	NG SCG	2029	-	-	-	-	73.9	0.0%
include	G0190	El Centro CC 2	NG SCG	2029	1.1	10.4	9,329	610	115.0	0.1%
include	G0190	El Centro CC 3	NG SCG	2029	33.6	268.0	7,982	15,692	165.0	2.3%
include	G0053	El Segundo 5a	NG SCG	2029	1,698.4	11,458.9	6,747	670,917	275.0	70.3%
include	G0053	El Segundo 5b	NG SCG	2029	1,705.6	11,508.4	6,748	673,816	275.0	70.6%
include	G0799	Elk Hills CC 1	NG S Cal Prod	2029	2,147.5	14,464.9	6,736	846,920	308.5	79.2%
include	G0799	Elk Hills CC 2	NG S Cal Prod	2029	2,148.1	14,469.9	6,736	847,213	308.5	79.3%
include	G0384	Fresno Cogen 1b	NG PG&E LT	2029	22.5	133.4	5,922	7,808	50.5	5.1%
include	G0950	Gateway Generating 8a	NG PG&E LT	2029	893.0	6,411.3	7,180	375,382	306.0	33.2%
include	G0950	Gateway Generating 8b	NG PG&E LT	2029	975.3	7,000.3	7,178	409,868	306.0	36.3%
include	G0229	Gilroy Power Plant 1	NG PG&E LT	2029	59.6	315.4	5,292	18,465	105.0	6.5%
include	G0233	Goal Line Cogen 1	NG SDG&E	2029	252.8	1,310.9	5,186	76,755	34.8	82.7%
include	G0236	Grayson 5	NG SCG/Landfill Gas	2029	-	-	-	-	-	0.0%
include	G0236	Grayson CC A	NG SCG	2029	-	-	-	-	50.0	0.0%
include	G0236	Grayson CC BC	NG SCG	2029	0.7	6.1	8,772	359	80.0	0.1%
include	G0238	Greenleaf 1	NG PG&E LT	2029	6.5	59.1	9,120	3,458	46.9	1.6%
include	G0239	Greenleaf 2	NG PG&E LT	2029	255.4	1,463.8	5,731	85,705	40.0	72.8%
include	G0245	Harbor CC 1	NG SCG	2029	754.7	4,489.8	5,949	262,878	122.8	69.9%
include	G0245	Harbor CC 2	NG SCG	2029	776.3	4,684.0	6,034	274,245	122.8	71.9%
include	G0246	Harbor CGCC 1	NG SCG	2029	23.4	221.6	9,464	12,976	100.0	2.7%
include	G0249	Haynes 1	NG SCG	2029	0.1	1.2	12,104	68	222.0	0.0%
include	G0249	Haynes 2	NG SCG	2029	-	-	-	-	222.0	0.0%
include	G0249	Haynes Rpwr 8-10a	NG SCG	2029	32.1	230.2	7,178	13,476	227.5	1.6%
include	G0249	Haynes Rpwr 8-10b	NG SCG	2029	243.6	1,740.8	7,147	101,921	248.7	11.1%
include	G0778	High Desert Power 1a	NG Kern River	2029	1,293.9	9,502.5	7,344	556,373	288.0	51.1%
include	G0778	High Desert Power 1b	NG Kern River	2029	1,237.7	9,090.2	7,344	532,231	288.0	48.9%
include	G0778	High Desert Power 1c	NG Kern River	2029	1,298.7	9,538.4	7,344	558,472	288.0	51.3%
include	G0868	Inland Empire Energy 1	NG SCG	2029	2,571.5	17,166.3	6,676	1,005,087	405.0	72.3%
include	G0868	Inland Empire Energy 2	NG SCG	2029	2,586.4	17,268.9	6,677	1,011,094	405.0	72.7%
include	G0293	Kern River CG TAG	NG TEOR Cogen	2029	-	-	-	-	-	0.0%
include	G0293	Kern River CG TBG	NG TEOR Cogen	2029	-	-	-	-	-	0.0%

111(d) designation	CEC Plant ID	PLEXOS Unit Name	Fuel Price Index	Datetime	Generation (GWh)	Fuel Use(1000 MMBTU)	Implied Heat rate(BTU/KWh)	CO2e emissions (M short tons)	Rated Capacity (MW)	Capacity Factor (%)
include	G0293	Kern River CG TCG	NG TEOR Cogen	2029	-	-	-	-	-	0.0%
include	G0019	King City Cogen 1	NG PG&E LT	2029	461.9	1,711.4	3,705	100,205	89.2	59.0%
include	G0286	Kingsburg Cogen 1	NG PG&E LT	2029	-	-	-	-	23.1	0.0%
include	G0781	La Paloma 1	NG Kern River	2029	1,288.4	9,704.3	7,532	568,185	256.2	57.2%
include	G0781	La Paloma 2	NG Kern River	2029	1,245.2	9,512.9	7,639	556,982	260.2	54.5%
include	G0781	La Paloma 3	NG Kern River	2029	1,044.5	8,144.2	7,797	476,845	259.8	45.8%
include	G0781	La Paloma 4	NG Kern River	2029	1,200.6	9,234.8	7,692	540,695	259.8	52.6%
include	G0315	Live Oak Limited 1	NG TEOR Cogen	2029	18.4	172.8	9,386	10,117	41.5	5.0%
include	G1009	Lodi Energy Center	NG PG&E LT	2029	1,809.7	12,871.7	7,113	753,638	280.0	73.6%
include	G0866	Los Esteros CC	NG PG&E LT	2029	650.2	4,897.4	7,532	286,744	300.0	24.7%
include	G0780	Los Medanos EC 1a	NG PG&E LT	2029	1,034.0	7,150.5	6,915	418,660	297.0	39.6%
include	G0780	Los Medanos EC 1b	NG PG&E LT	2029	1,017.1	7,028.1	6,910	411,497	297.0	39.0%
include	G0329	Magnolia Repower 1	NG SCG	2029	796.1	5,560.4	6,985	325,561	316.0	28.7%
include	G0894	Malburg 1a	NG SCG	2029	268.5	2,065.9	7,695	120,957	67.5	45.3%
include	G0894	Malburg 1b	NG SCG	2029	267.6	2,059.4	7,697	120,580	67.5	45.1%
include	G0339	McKittrick Ltd 1	NG TEOR Cogen	2029	17.8	164.1	9,213	9,610	35.4	5.7%
include	G0794	Metcalfe Energy 1a	NG PG&E BB	2029	237.6	1,792.9	7,545	104,972	282.9	9.6%
include	G0794	Metcalfe Energy 1b	NG PG&E BB	2029	242.6	1,830.2	7,545	107,159	282.9	9.8%
include	G0358	Midway Sunset A	NG TEOR Cogen	2029	374.4	2,656.7	7,096	155,551	48.4	88.1%
include	G0358	Midway Sunset B	NG TEOR Cogen	2029	374.5	2,657.7	7,096	155,607	48.4	88.1%
include	G0358	Midway Sunset C	NG TEOR Cogen	2029	374.2	2,655.6	7,096	155,485	48.4	88.0%
include	G0372	Moss Landing CC 1a	NG PG&E BB	2029	1,806.1	11,467.7	6,349	671,437	255.0	80.6%
include	G0372	Moss Landing CC 1b	NG PG&E BB	2029	1,848.5	11,736.5	6,349	687,172	255.0	82.5%
include	G0372	Moss Landing CC 2a	NG PG&E BB	2029	1,847.5	11,673.2	6,318	683,464	255.0	82.5%
include	G0372	Moss Landing CC 2b	NG PG&E BB	2029	1,858.9	11,745.6	6,319	687,703	255.0	83.0%
include	G0795	Mountainview CC 3a	NG SCG	2029	299.9	2,159.8	7,201	126,456	242.3	14.1%
include	G0795	Mountainview CC 3b	NG SCG	2029	306.3	2,204.9	7,199	129,095	242.3	14.4%
include	G0795	Mountainview CC 4a	NG SCG	2029	67.6	489.9	7,243	28,686	242.3	3.2%
include	G0795	Mountainview CC 4b	NG SCG	2029	73.8	531.3	7,202	31,108	242.3	3.5%
include	G0626	NavalStationCG 1	NG SDG&E	2029	303.5	1,491.0	4,912	87,295	51.3	67.4%
include	G0399	North Island EF CC	NG SDG&E	2029	240.8	2,248.6	9,336	131,656	37.0	74.1%
include	G0399	North Island EF CC ST	NG SDG&E	2029	30.3	-	-	-	4.1	85.3%
include	G0403	O L S Camarillo 1	NG SCG	2029	189.4	981.3	5,180	57,454	27.3	79.1%
include	G0404	O L S Chino 1	NG SCG	2029	205.5	1,096.1	5,335	64,178	25.9	90.2%
include	G0409	Oildale Energy 1	NG PG&E LT	2029	-	-	-	-	-	0.0%
include	G0410	Olive 2	NG SCG	2029	-	-	-	-	-	0.0%
include	G0785	Otay Mesa 1a	NG Otay Mesa	2029	1,477.3	10,363.8	7,015	606,799	255.0	66.0%
include	G0785	Otay Mesa 1b	NG Otay Mesa	2029	1,482.6	10,405.1	7,018	609,217	255.0	66.2%
include	G0861	Palomar Escondido 1a	NG SDG&E	2029	314.8	2,233.7	7,095	130,782	282.0	12.7%
include	G0861	Palomar Escondido 1b	NG SDG&E	2029	258.2	1,831.4	7,092	107,227	282.0	10.4%
include	G0797	Pastoria CC 1a	NG Kern River	2029	1,840.5	13,075.3	7,104	765,560	260.0	80.6%
include	G0797	Pastoria CC 1b	NG Kern River	2029	1,869.7	13,274.0	7,099	777,191	260.0	81.9%
include	G0797	Pastoria CC 1c	NG Kern River	2029	1,878.0	13,334.7	7,100	780,749	260.0	82.2%
include	G0487	Redding CC 1	NG PG&E BB	2029	469.5	3,351.5	7,139	196,231	70.0	76.4%

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include	G0213	Roseville Energy 1a	NG PG&E LT	2029	142.6	1,094.8	7,679	64,100	87.5	18.5%
include	G0213	Roseville Energy 1b	NG PG&E LT	2029	129.0	990.9	7,679	58,018	87.5	16.8%
include	G0935	Russell City 1a	NG PG&E LT	2029	1,292.3	9,179.5	7,103	537,460	310.0	47.5%
include	G0935	Russell City 1b	NG PG&E LT	2029	1,134.8	8,060.6	7,103	471,949	310.0	41.7%
include	G0467	SCA Cogen 2 a	NG SMUD	2029	377.2	2,203.0	5,841	128,983	66.3	64.8%
include	G0467	SCA Cogen 2 b	NG SMUD	2029	377.2	1,286.9	3,412	75,345	68.0	63.1%
include	G0000	Scattergood CC	NG SCG	2029	1,334.8	9,372.5	7,022	548,761	300.0	50.7%
include	G0000	Scattergood CT 1	NG SCG	2029	-	-	-	-	100.0	0.0%
include	G0000	Scattergood CT 2	NG SCG	2029	0.7	6.1	8,852	356	100.0	0.1%
include	S0071	SEGS III	Solar/NG SCG	2029	53.2	109.5	2,058	6,411	22.6	26.8%
include	S0072	SEGS IV	Solar/NG SCG	2029	53.2	127.7	2,401	7,480	22.6	26.8%
include	S0073	SEGS IX	Solar/NG SCG	2029	143.1	127.7	892	7,480	60.7	26.8%
include	S0074	SEGS V	Solar/NG SCG	2029	53.2	109.5	2,058	6,411	22.6	26.8%
include	S0075	SEGS VI	Solar/NG SCG	2029	54.5	127.7	2,346	7,480	23.1	26.8%
include	S0076	SEGS VII	Solar/NG SCG	2029	54.5	109.5	2,011	6,411	23.1	26.8%
include	S0077	SEGS VIII	Solar/NG SCG	2029	143.1	127.7	892	7,480	60.7	26.8%
include	G0076	SPA Campbell CG 1	NG SMUD	2029	730.1	3,110.3	4,260	182,107	164.0	50.7%
include	G0784	Sunrise Power CC 1a	NG Kern River	2029	1,359.3	9,543.5	7,021	558,772	250.5	61.8%
include	G0784	Sunrise Power CC 1b	NG Kern River	2029	1,368.8	9,608.5	7,020	562,578	250.5	62.2%
include	G0779	Sutter 1a	NG PG&E BB	2029	1,278.6	8,891.6	6,954	520,605	276.5	52.6%
include	G0779	Sutter 1b	NG PG&E BB	2029	1,239.4	8,618.1	6,953	504,587	276.5	51.0%
include	G0590	Sycamore Cogen GTB	NG TEOR Cogen	2029	9.1	72.8	8,016	4,262	74.4	1.4%
include	G0590	Sycamore Cogen GTD	NG TEOR Cogen	2029	9.1	72.8	8,019	4,263	74.4	1.4%
include	G0838	Tracy CC	NG PG&E LT	2029	48.9	368.2	7,534	21,557	314.0	1.8%
include	G0648	Valley (CA) 1A	NG SCG	2029	82.8	604.0	7,292	35,363	240.0	3.9%
include	G0648	Valley (CA) 1B	NG SCG	2029	104.5	761.7	7,290	44,600	240.0	5.0%
include	G0648	Valley (CA) 5	NG SCG	2029	-	-	-	-	60.5	0.0%
include	G0900	Walnut Energy Center 1a	NG PG&E LT	2029	29.0	229.4	7,919	13,431	134.5	2.5%
include	G0900	Walnut Energy Center 1b	NG PG&E LT	2029	13.6	107.8	7,918	6,311	134.5	1.2%
include	G0679	Woodland CC 1	NG PG&E LT	2029	81.7	625.8	7,663	36,642	63.0	14.8%
include	G0221	Agnews 1	NG PG&E LT	2030	1.0	8.9	9,213	524	30.5	0.4%
include	G0040	Badger Creek 1	NG TEOR Cogen	2030	19.2	181.2	9,433	10,609	47.0	4.7%
include	G0428	Bear Mountain CG 1	NG TEOR Cogen	2030	34.5	316.3	9,156	18,521	47.0	8.4%
include	G0787	Blythe ALS	NG Blythe	2030	1,842.2	12,694.4	6,891	743,259	262.5	79.9%
include	G0787	Blythe BLS	NG Blythe	2030	1,717.5	11,834.9	6,891	692,932	262.5	74.5%
include	G0084	Carson Cogen Co. 1	NG SCG	2030	10.7	103.9	9,712	6,081	48.0	2.5%
include	G0085	Carson Ice CG CC	NG SMUD	2030	189.4	964.3	5,090	56,462	57.8	37.3%
include	G0085	Carson Ice CG GT1	NG SMUD	2030	135.9	903.6	6,647	52,907	43.2	35.8%
include	G0429	Chalk Cliff CG 1	NG TEOR Cogen	2030	47.6	418.7	8,803	24,517	30.6	17.7%
include	G0923	Clearwater Cogen 1	NG SCG	2030	21.4	144.6	6,773	8,467	28.0	8.7%
include	G0934	Colusa Gener 1A	NG PG&E LT	2030	1,173.0	8,321.7	7,094	487,234	330.0	40.5%
include	G0934	Colusa Gener 1B	NG PG&E LT	2030	1,265.4	8,977.0	7,094	525,605	330.0	43.7%
Include	G0149	Corona Cogen 1	NG SCG	2030	122.0	728.7	5,973	42,663	25.7	54.1%
include	G0889	Cosumnes River 1a	NG SMUD	2030	1,375.0	10,066.3	7,321	589,381	249.1	62.8%



111(d) designation	CEC Plant ID	PLEXOS Unit Name	Fuel Price Index	Datetime	Generation (GWh)	Fuel Use(1000 MMBTU)	Implied Heat rate(BTU/KWh)	CO2e emissions (M short tons)	Rated Capacity (MW)	Capacity Factor (%)
include	G0889	Cosumnes River 1b	NG SMUD	2030	1,401.3	10,267.9	7,328	601,187	249.1	64.0%
include	G0161	Crockett Cogen 1	NG PG&E LT	2030	1,689.3	8,699.9	5,150	509,379	247.4	77.7%
include	G0783	Delta Energy 1a	NG PG&E BB	2030	5,228.4	36,409.5	6,964	2,131,775	833.1	71.4%
include	G0169	Donald Von Raesfeld 1a	NG PG&E BB	2030	-	-	-	-	60.5	0.0%
include	G0169	Donald Von Raesfeld 1b	NG PG&E BB	2030	3.0	23.3	7,644	1,363	60.5	0.6%
include	G0190	El Centro 4	NG SCG	2030	-	-	-	-	73.9	0.0%
include	G0190	El Centro CC 2	NG SCG	2030	1.1	10.3	9,329	604	115.0	0.1%
include	G0190	El Centro CC 3	NG SCG	2030	33.3	265.4	7,982	15,539	165.0	2.3%
include	G0053	El Segundo 5a	NG SCG	2030	1,681.9	11,347.7	6,747	664,410	275.0	69.6%
include	G0053	El Segundo 5b	NG SCG	2030	1,689.0	11,396.8	6,748	667,281	275.0	69.9%
include	G0799	Elk Hills CC 1	NG S Cal Prod	2030	2,126.7	14,324.6	6,736	838,706	308.5	78.5%
include	G0799	Elk Hills CC 2	NG S Cal Prod	2030	2,127.3	14,329.6	6,736	838,997	308.5	78.5%
include	G0384	Fresno Cogen 1b	NG PG&E LT	2030	22.3	132.1	5,922	7,732	50.5	5.0%
include	G0950	Gateway Generating 8a	NG PG&E LT	2030	884.3	6,349.1	7,180	371,742	306.0	32.9%
include	G0950	Gateway Generating 8b	NG PG&E LT	2030	965.8	6,932.4	7,178	405,893	306.0	35.9%
include	G0229	Gilroy Power Plant 1	NG PG&E LT	2030	59.0	312.3	5,292	18,286	105.0	6.4%
include	G0233	Goal Line Cogen 1	NG SDG&E	2030	250.3	1,298.2	5,186	76,011	34.8	81.9%
include	G0236	Grayson 5	NG SCG/Landfill Gas	2030	-	-	-	-	-	0.0%
include	G0236	Grayson CC A	NG SCG	2030	-	-	-	-	50.0	0.0%
include	G0236	Grayson CC BC	NG SCG	2030	0.7	6.1	8,772	356	80.0	0.1%
include	G0238	Greenleaf 1	NG PG&E LT	2030	6.4	58.5	9,120	3,425	46.9	1.6%
include	G0239	Greenleaf 2	NG PG&E LT	2030	252.9	1,449.6	5,731	84,873	40.0	72.1%
include	G0245	Harbor CC 1	NG SCG	2030	747.4	4,446.3	5,949	260,328	122.8	69.3%
include	G0245	Harbor CC 2	NG SCG	2030	768.8	4,638.5	6,034	271,586	122.8	71.2%
include	G0246	Harbor CGCC 1	NG SCG	2030	23.2	219.5	9,464	12,850	100.0	2.6%
include	G0249	Haynes 1	NG SCG	2030	0.1	1.2	12,104	67	222.0	0.0%
include	G0249	Haynes 2	NG SCG	2030	-	-	-	-	222.0	0.0%
include	G0249	Haynes Rpwr 8-10a	NG SCG	2030	31.8	227.9	7,178	13,345	227.5	1.6%
include	G0249	Haynes Rpwr 8-10b	NG SCG	2030	241.2	1,723.9	7,147	100,933	248.7	11.0%
include	G0778	High Desert Power 1a	NG Kern River	2030	1,281.3	9,410.4	7,344	550,977	288.0	50.6%
include	G0778	High Desert Power 1b	NG Kern River	2030	1,225.7	9,002.0	7,344	527,069	288.0	48.5%
include	G0778	High Desert Power 1c	NG Kern River	2030	1,286.1	9,445.9	7,344	553,056	288.0	50.8%
include	G0868	Inland Empire Energy 1	NG SCG	2030	2,546.5	16,999.8	6,676	995,339	405.0	71.6%
include	G0868	Inland Empire Energy 2	NG SCG	2030	2,561.3	17,101.4	6,677	1,001,289	405.0	72.0%
include	G0293	Kern River CG TAG	NG TEOR Cogen	2030	-	-	-	-	-	0.0%
include	G0293	Kern River CG TBG	NG TEOR Cogen	2030	-	-	-	-	-	0.0%
include	G0293	Kern River CG TCG	NG TEOR Cogen	2030	-	-	-	-	-	0.0%
include	G0019	King City Cogen 1	NG PG&E LT	2030	457.4	1,694.9	3,705	99,234	89.2	58.4%
include	G0286	Kingsburg Cogen 1	NG PG&E LT	2030	-	-	-	-	23.1	0.0%
include	G0781	La Paloma 1	NG Kern River	2030	1,275.9	9,610.2	7,532	562,674	256.2	56.7%
include	G0781	La Paloma 2	NG Kern River	2030	1,233.2	9,420.7	7,639	551,581	260.2	54.0%
include	G0781	La Paloma 3	NG Kern River	2030	1,034.4	8,065.3	7,797	472,221	259.8	45.3%
include	G0781	La Paloma 4	NG Kern River	2030	1,188.9	9,145.2	7,692	535,451	259.8	52.1%
include	G0315	Live Oak Limited 1	NG TEOR Cogen	2030	18.2	171.1	9,386	10,019	41.5	5.0%

111(d) designation	CEC Plant ID	PLEXOS Unit Name	Fuel Price Index	Datetime	Generation (GWh)	Fuel Use(1000 MMBTU)	Implied Heat rate(BTU/KWh)	CO2e emissions (M short tons)	Rated Capacity (MW)	Capacity Factor (%)
include	G1009	Lodi Energy Center	NG PG&E LT	2030	1,792.1	12,746.9	7,113	746,329	280.0	72.9%
include	G0866	Los Esteros CC	NG PG&E LT	2030	643.9	4,849.9	7,532	283,963	300.0	24.4%
include	G0780	Los Medanos EC 1a	NG PG&E LT	2030	1,024.0	7,081.1	6,915	414,600	297.0	39.3%
include	G0780	Los Medanos EC 1b	NG PG&E LT	2030	1,007.2	6,960.0	6,910	407,506	297.0	38.6%
include	G0329	Magnolia Repower 1	NG SCG	2030	788.4	5,506.5	6,985	322,403	316.0	28.4%
include	G0894	Malburg 1a	NG SCG	2030	265.9	2,045.8	7,695	119,784	67.5	44.8%
include	G0894	Malburg 1b	NG SCG	2030	265.0	2,039.5	7,697	119,411	67.5	44.7%
include	G0339	McKittrick Ltd 1	NG TEOR Cogen	2030	17.6	162.5	9,213	9,517	35.4	5.7%
include	G0794	Metcalf Energy 1a	NG PG&E BB	2030	235.3	1,775.5	7,545	103,954	282.9	9.5%
include	G0794	Metcalf Energy 1b	NG PG&E BB	2030	240.2	1,812.5	7,545	106,120	282.9	9.7%
include	G0358	Midway Sunset A	NG TEOR Cogen	2030	370.8	2,631.0	7,096	154,042	48.4	87.2%
include	G0358	Midway Sunset B	NG TEOR Cogen	2030	370.9	2,631.9	7,096	154,098	48.4	87.2%
include	G0358	Midway Sunset C	NG TEOR Cogen	2030	370.6	2,629.8	7,096	153,977	48.4	87.2%
include	G0372	Moss Landing CC 1a	NG PG&E BB	2030	1,788.6	11,356.5	6,349	664,925	255.0	79.9%
include	G0372	Moss Landing CC 1b	NG PG&E BB	2030	1,830.6	11,622.7	6,349	680,508	255.0	81.7%
include	G0372	Moss Landing CC 2a	NG PG&E BB	2030	1,829.6	11,560.0	6,318	676,835	255.0	81.7%
include	G0372	Moss Landing CC 2b	NG PG&E BB	2030	1,840.9	11,631.7	6,319	681,033	255.0	82.2%
include	G0795	Mountainview CC 3a	NG SCG	2030	297.0	2,138.8	7,201	125,230	242.3	14.0%
include	G0795	Mountainview CC 3b	NG SCG	2030	303.3	2,183.5	7,199	127,843	242.3	14.3%
include	G0795	Mountainview CC 4a	NG SCG	2030	67.0	485.2	7,243	28,407	242.3	3.1%
include	G0795	Mountainview CC 4b	NG SCG	2030	73.1	526.2	7,202	30,806	242.3	3.4%
include	G0626	NavalStationCG 1	NG SDG&E	2030	300.6	1,476.5	4,912	86,449	51.3	66.7%
include	G0399	North Island EF CC	NG SDG&E	2030	238.5	2,226.8	9,336	130,379	37.0	73.4%
include	G0399	North Island EF CC ST	NG SDG&E	2030	30.0	-	-	-	4.1	84.4%
include	G0403	O L S Camarillo 1	NG SCG	2030	187.6	971.8	5,180	56,897	27.3	78.3%
include	G0404	O L S Chino 1	NG SCG	2030	203.5	1,085.5	5,335	63,556	25.9	89.4%
include	G0409	Oildale Energy 1	NG PG&E LT	2030	-	-	-	-	-	0.0%
include	G0410	Olive 2	NG SCG	2030	-	-	-	-	-	0.0%
include	G0785	Otay Mesa 1a	NG Otay Mesa	2030	1,463.0	10,263.3	7,015	600,914	255.0	65.3%
include	G0785	Otay Mesa 1b	NG Otay Mesa	2030	1,468.2	10,304.2	7,018	603,309	255.0	65.5%
include	G0861	Palomar Escondido 1a	NG SDG&E	2030	311.8	2,212.0	7,095	129,513	282.0	12.6%
include	G0861	Palomar Escondido 1b	NG SDG&E	2030	255.7	1,813.6	7,092	106,187	282.0	10.3%
include	G0797	Pastoria CC 1a	NG Kern River	2030	1,822.7	12,948.5	7,104	758,136	260.0	79.8%
include	G0797	Pastoria CC 1b	NG Kern River	2030	1,851.6	13,145.2	7,099	769,653	260.0	81.1%
include	G0797	Pastoria CC 1c	NG Kern River	2030	1,859.8	13,205.4	7,100	773,177	260.0	81.4%
include	G0487	Redding CC 1	NG PG&E BB	2030	464.9	3,319.0	7,139	194,328	70.0	75.6%
include	G0213	Roseville Energy 1a	NG PG&E LT	2030	141.2	1,084.2	7,679	63,478	87.5	18.4%
include	G0213	Roseville Energy 1b	NG PG&E LT	2030	127.8	981.3	7,679	57,455	87.5	16.6%
include	G0935	Russell City 1a	NG PG&E LT	2030	1,279.7	9,090.5	7,103	532,248	310.0	47.0%
include	G0935	Russell City 1b	NG PG&E LT	2030	1,123.8	7,982.4	7,103	467,372	310.0	41.3%
include	G0467	SCA Cogen 2 a	NG SMUD	2030	373.5	2,181.6	5,841	127,733	66.3	64.1%
include	G0467	SCA Cogen 2 b	NG SMUD	2030	373.5	1,274.4	3,412	74,615	68.0	62.5%
include	G0000	Scattergood CC	NG SCG	2030	1,321.9	9,281.6	7,022	543,439	300.0	50.2%
include	G0000	Scattergood CT 1	NG SCG	2030	-	-	-	-	100.0	0.0%

111(d) designation	CEC Plant ID	PLEXOS Unit Name	Fuel Price Index	Datetime	Generation (GWh)	Fuel Use(1000 MMBTU)	Implied Heat rate(BTU/KWh)	CO2e emissions (M short tons)	Rated Capacity (MW)	Capacity Factor (%)
include	G0000	Scattergood CT 2	NG SCG	2030	0.7	6.0	8,852	352	100.0	0.1%
include	S0071	SEGS III	Solar/NG SCG	2030	52.7	109.5	2,078	6,411	22.6	26.6%
include	S0072	SEGS IV	Solar/NG SCG	2030	52.7	127.7	2,424	7,480	22.6	26.6%
include	S0073	SEGS IX	Solar/NG SCG	2030	141.8	127.7	901	7,480	60.7	26.6%
include	S0074	SEGS V	Solar/NG SCG	2030	52.7	109.5	2,078	6,411	22.6	26.6%
include	S0075	SEGS VI	Solar/NG SCG	2030	53.9	127.7	2,369	7,480	23.1	26.6%
include	S0076	SEGS VII	Solar/NG SCG	2030	53.9	109.5	2,030	6,411	23.1	26.6%
include	S0077	SEGS VIII	Solar/NG SCG	2030	141.8	127.7	901	7,480	60.7	26.6%
include	G0076	SPA Campbell CG 1	NG SMUD	2030	723.0	3,080.1	4,260	180,341	164.0	50.2%
include	G0784	Sunrise Power CC 1a	NG Kern River	2030	1,346.1	9,451.0	7,021	553,353	250.5	61.2%
include	G0784	Sunrise Power CC 1b	NG Kern River	2030	1,355.5	9,515.3	7,020	557,122	250.5	61.6%
include	G0779	Sutter 1a	NG PG&E BB	2030	1,266.2	8,805.4	6,954	515,557	276.5	52.1%
include	G0779	Sutter 1b	NG PG&E BB	2030	1,227.4	8,534.5	6,953	499,694	276.5	50.5%
include	G0590	Sycamore Cogen GTB	NG TEOR Cogen	2030	9.0	72.1	8,016	4,220	74.4	1.4%
include	G0590	Sycamore Cogen GTD	NG TEOR Cogen	2030	9.0	72.1	8,019	4,222	74.4	1.4%
include	G0838	Tracy CC	NG PG&E LT	2030	48.4	364.6	7,534	21,348	314.0	1.8%
include	G0648	Valley (CA) 1A	NG SCG	2030	82.0	598.1	7,292	35,020	240.0	3.9%
include	G0648	Valley (CA) 1B	NG SCG	2030	103.5	754.4	7,290	44,168	240.0	4.9%
include	G0648	Valley (CA) 5	NG SCG	2030	-	-	-	-	60.5	0.0%
include	G0900	Walnut Energy Center 1a	NG PG&E LT	2030	28.7	227.2	7,919	13,301	134.5	2.4%
include	G0900	Walnut Energy Center 1b	NG PG&E LT	2030	13.5	106.8	7,918	6,250	134.5	1.1%
include	G0679	Woodland CC 1	NG PG&E LT	2030	80.9	619.8	7,663	36,287	63.0	14.6%
include	G0221	Agnews 1	NG PG&E LT	2031	1.0	8.9	9,213	519	30.5	0.4%
include	G0040	Badger Creek 1	NG TEOR Cogen	2031	19.0	179.4	9,433	10,506	47.0	4.6%
include	G0428	Bear Mountain CG 1	NG TEOR Cogen	2031	34.2	313.3	9,156	18,342	47.0	8.3%
include	G0787	Blythe ALS	NG Blythe	2031	1,824.3	12,571.3	6,891	736,051	262.5	79.1%
include	G0787	Blythe BLS	NG Blythe	2031	1,700.8	11,720.1	6,891	686,212	262.5	73.8%
include	G0084	Carson Cogen Co. 1	NG SCG	2031	10.6	102.8	9,712	6,022	48.0	2.5%
include	G0085	Carson Ice CG CC	NG SMUD	2031	187.6	955.0	5,090	55,914	57.8	37.0%
include	G0085	Carson Ice CG GT1	NG SMUD	2031	134.6	894.9	6,647	52,394	43.2	35.5%
include	G0429	Chalk Cliff CG 1	NG TEOR Cogen	2031	47.1	414.7	8,803	24,279	30.6	17.5%
include	G0923	Clearwater Cogen 1	NG SCG	2031	21.1	143.2	6,773	8,385	28.0	8.6%
include	G0934	Colusa Gener 1A	NG PG&E LT	2031	1,161.7	8,241.0	7,094	482,509	330.0	40.1%
include	G0934	Colusa Gener 1B	NG PG&E LT	2031	1,253.1	8,890.0	7,094	520,507	330.0	43.2%
Include	G0149	Corona Cogen 1	NG SCG	2031	120.8	721.6	5,973	42,250	25.7	53.6%
include	G0889	Cosumnes River 1a	NG SMUD	2031	1,361.6	9,968.7	7,321	583,665	249.1	62.2%
include	G0889	Cosumnes River 1b	NG SMUD	2031	1,387.7	10,168.3	7,328	595,356	249.1	63.4%
include	G0161	Crockett Cogen 1	NG PG&E LT	2031	1,672.9	8,615.5	5,150	504,439	247.4	77.0%
include	G0783	Delta Energy 1a	NG PG&E BB	2031	5,177.7	36,056.4	6,964	2,111,101	833.1	70.8%
include	G0169	Donald Von Raesfeld 1a	NG PG&E BB	2031	-	-	-	-	60.5	0.0%
include	G0169	Donald Von Raesfeld 1b	NG PG&E BB	2031	3.0	23.1	7,644	1,350	60.5	0.6%
include	G0190	El Centro 4	NG SCG	2031	-	-	-	-	73.9	0.0%
include	G0190	El Centro CC 2	NG SCG	2031	1.1	10.2	9,329	598	115.0	0.1%
include	G0190	El Centro CC 3	NG SCG	2031	32.9	262.8	7,982	15,389	165.0	2.3%

111(d) designation	CEC Plant ID	PLEXOS Unit Name	Fuel Price Index	Datetime	Generation (GWh)	Fuel Use(1000 MMBTU)	Implied Heat rate(BTU/KWh)	CO2e emissions (M short tons)	Rated Capacity (MW)	Capacity Factor (%)
include	G0053	El Segundo 5a	NG SCG	2031	1,665.6	11,237.7	6,747	657,967	275.0	69.0%
include	G0053	El Segundo 5b	NG SCG	2031	1,672.6	11,286.2	6,748	660,810	275.0	69.2%
include	G0799	Elk Hills CC 1	NG S Cal Prod	2031	2,106.1	14,185.7	6,736	830,573	308.5	77.7%
include	G0799	Elk Hills CC 2	NG S Cal Prod	2031	2,106.7	14,190.6	6,736	830,860	308.5	77.7%
include	G0384	Fresno Cogen 1b	NG PG&E LT	2031	22.1	130.8	5,922	7,657	50.5	5.0%
include	G0950	Gateway Generating 8a	NG PG&E LT	2031	875.7	6,287.6	7,180	368,136	306.0	32.6%
include	G0950	Gateway Generating 8b	NG PG&E LT	2031	956.5	6,865.2	7,178	401,957	306.0	35.6%
include	G0229	Gilroy Power Plant 1	NG PG&E LT	2031	58.4	309.3	5,292	18,109	105.0	6.3%
include	G0233	Goal Line Cogen 1	NG SDG&E	2031	247.9	1,285.6	5,186	75,274	34.8	81.1%
include	G0236	Grayson 5	NG SCG/Landfill Gas	2031	-	-	-	-	-	0.0%
include	G0236	Grayson CC A	NG SCG	2031	-	-	-	-	50.0	0.0%
include	G0236	Grayson CC BC	NG SCG	2031	0.7	6.0	8,772	352	80.0	0.1%
include	G0238	Greenleaf 1	NG PG&E LT	2031	6.4	57.9	9,120	3,391	46.9	1.5%
include	G0239	Greenleaf 2	NG PG&E LT	2031	250.5	1,435.5	5,731	84,050	40.0	71.4%
include	G0245	Harbor CC 1	NG SCG	2031	740.1	4,403.1	5,949	257,803	122.8	68.6%
include	G0245	Harbor CC 2	NG SCG	2031	761.3	4,593.5	6,034	268,952	122.8	70.6%
include	G0246	Harbor CGCC 1	NG SCG	2031	23.0	217.3	9,464	12,726	100.0	2.6%
include	G0249	Haynes 1	NG SCG	2031	0.1	1.1	12,104	67	222.0	0.0%
include	G0249	Haynes 2	NG SCG	2031	-	-	-	-	222.0	0.0%
include	G0249	Haynes Rpwr 8-10a	NG SCG	2031	31.4	225.7	7,178	13,216	227.5	1.6%
include	G0249	Haynes Rpwr 8-10b	NG SCG	2031	238.9	1,707.2	7,147	99,954	248.7	10.9%
include	G0778	High Desert Power 1a	NG Kern River	2031	1,268.9	9,319.1	7,344	545,634	288.0	50.2%
include	G0778	High Desert Power 1b	NG Kern River	2031	1,213.8	8,914.7	7,344	521,957	288.0	48.0%
include	G0778	High Desert Power 1c	NG Kern River	2031	1,273.6	9,354.3	7,344	547,693	288.0	50.3%
include	G0868	Inland Empire Energy 1	NG SCG	2031	2,521.8	16,835.0	6,676	985,686	405.0	70.9%
include	G0868	Inland Empire Energy 2	NG SCG	2031	2,536.5	16,935.6	6,677	991,578	405.0	71.3%
include	G0293	Kern River CG TAG	NG TEOR Cogen	2031	-	-	-	-	-	0.0%
include	G0293	Kern River CG TBG	NG TEOR Cogen	2031	-	-	-	-	-	0.0%
include	G0293	Kern River CG TCG	NG TEOR Cogen	2031	-	-	-	-	-	0.0%
include	G0019	King City Cogen 1	NG PG&E LT	2031	453.0	1,678.4	3,705	98,271	89.2	57.8%
include	G0286	Kingsburg Cogen 1	NG PG&E LT	2031	-	-	-	-	23.1	0.0%
include	G0781	La Paloma 1	NG Kern River	2031	1,263.5	9,517.0	7,532	557,217	256.2	56.1%
include	G0781	La Paloma 2	NG Kern River	2031	1,221.2	9,329.3	7,639	546,232	260.2	53.4%
include	G0781	La Paloma 3	NG Kern River	2031	1,024.4	7,987.0	7,797	467,641	259.8	44.9%
include	G0781	La Paloma 4	NG Kern River	2031	1,177.4	9,056.5	7,692	530,259	259.8	51.6%
include	G0315	Live Oak Limited 1	NG TEOR Cogen	2031	18.1	169.5	9,386	9,922	41.5	5.0%
include	G1009	Lodi Energy Center	NG PG&E LT	2031	1,774.7	12,623.3	7,113	739,091	280.0	72.2%
include	G0866	Los Esteros CC	NG PG&E LT	2031	637.7	4,802.9	7,532	281,209	300.0	24.2%
include	G0780	Los Medanos EC 1a	NG PG&E LT	2031	1,014.1	7,012.5	6,915	410,579	297.0	38.9%
include	G0780	Los Medanos EC 1b	NG PG&E LT	2031	997.4	6,892.5	6,910	403,554	297.0	38.2%
include	G0329	Magnolia Repower 1	NG SCG	2031	780.7	5,453.1	6,985	319,277	316.0	28.1%
include	G0894	Malburg 1a	NG SCG	2031	263.3	2,026.0	7,695	118,622	67.5	44.4%
include	G0894	Malburg 1b	NG SCG	2031	262.4	2,019.7	7,697	118,253	67.5	44.3%
include	G0339	McKittrick Ltd 1	NG TEOR Cogen	2031	17.5	161.0	9,213	9,425	35.4	5.6%

111(d) designation	CEC Plant ID	PLEXOS Unit Name	Fuel Price Index	Datetime	Generation (GWh)	Fuel Use(1000 MMBTU)	Implied Heat rate(BTU/KWh)	CO2e emissions (M short tons)	Rated Capacity (MW)	Capacity Factor (%)
include	G0794	Metcalf Energy 1a	NG PG&E BB	2031	233.0	1,758.3	7,545	102,946	282.9	9.4%
include	G0794	Metcalf Energy 1b	NG PG&E BB	2031	237.9	1,794.9	7,545	105,090	282.9	9.6%
include	G0358	Midway Sunset A	NG TEOR Cogen	2031	367.2	2,605.4	7,096	152,548	48.4	86.4%
include	G0358	Midway Sunset B	NG TEOR Cogen	2031	367.3	2,606.4	7,096	152,604	48.4	86.4%
include	G0358	Midway Sunset C	NG TEOR Cogen	2031	367.0	2,604.3	7,096	152,484	48.4	86.3%
include	G0372	Moss Landing CC 1a	NG PG&E BB	2031	1,771.2	11,246.4	6,349	658,476	255.0	79.1%
include	G0372	Moss Landing CC 1b	NG PG&E BB	2031	1,812.8	11,510.0	6,349	673,908	255.0	80.9%
include	G0372	Moss Landing CC 2a	NG PG&E BB	2031	1,811.8	11,447.8	6,318	670,271	255.0	80.9%
include	G0372	Moss Landing CC 2b	NG PG&E BB	2031	1,823.0	11,518.8	6,319	674,428	255.0	81.4%
include	G0795	Mountainview CC 3a	NG SCG	2031	294.1	2,118.1	7,201	124,015	242.3	13.8%
include	G0795	Mountainview CC 3b	NG SCG	2031	300.4	2,162.3	7,199	126,604	242.3	14.1%
include	G0795	Mountainview CC 4a	NG SCG	2031	66.3	480.5	7,243	28,132	242.3	3.1%
include	G0795	Mountainview CC 4b	NG SCG	2031	72.3	521.1	7,202	30,507	242.3	3.4%
include	G0626	NavalStationCG 1	NG SDG&E	2031	297.7	1,462.2	4,912	85,610	51.3	66.1%
include	G0399	North Island EF CC	NG SDG&E	2031	236.2	2,205.2	9,336	129,115	37.0	72.7%
include	G0399	North Island EF CC ST	NG SDG&E	2031	29.7	-	-	-	4.1	83.6%
include	G0403	O L S Camarillo 1	NG SCG	2031	185.8	962.3	5,180	56,345	27.3	77.5%
include	G0404	O L S Chino 1	NG SCG	2031	201.5	1,075.0	5,335	62,939	25.9	88.5%
include	G0409	Oildale Energy 1	NG PG&E LT	2031	-	-	-	-	-	0.0%
include	G0410	Olive 2	NG SCG	2031	-	-	-	-	-	0.0%
include	G0785	Otay Mesa 1a	NG Otay Mesa	2031	1,448.8	10,163.7	7,015	595,087	255.0	64.7%
include	G0785	Otay Mesa 1b	NG Otay Mesa	2031	1,454.0	10,204.2	7,018	597,458	255.0	64.9%
include	G0861	Palomar Escondido 1a	NG SDG&E	2031	308.8	2,190.6	7,095	128,257	282.0	12.5%
include	G0861	Palomar Escondido 1b	NG SDG&E	2031	253.3	1,796.0	7,092	105,157	282.0	10.2%
include	G0797	Pastoria CC 1a	NG Kern River	2031	1,805.0	12,822.9	7,104	750,783	260.0	79.0%
include	G0797	Pastoria CC 1b	NG Kern River	2031	1,833.6	13,017.7	7,099	762,189	260.0	80.3%
include	G0797	Pastoria CC 1c	NG Kern River	2031	1,841.8	13,077.3	7,100	765,679	260.0	80.6%
include	G0487	Redding CC 1	NG PG&E BB	2031	460.4	3,286.8	7,139	192,443	70.0	74.9%
include	G0213	Roseville Energy 1a	NG PG&E LT	2031	139.8	1,073.7	7,679	62,863	87.5	18.2%
include	G0213	Roseville Energy 1b	NG PG&E LT	2031	126.6	971.8	7,679	56,898	87.5	16.5%
include	G0935	Russell City 1a	NG PG&E LT	2031	1,267.3	9,002.3	7,103	527,086	310.0	46.5%
include	G0935	Russell City 1b	NG PG&E LT	2031	1,112.9	7,905.0	7,103	462,839	310.0	40.9%
include	G0467	SCA Cogen 2 a	NG SMUD	2031	369.9	2,160.4	5,841	126,494	66.3	63.5%
include	G0467	SCA Cogen 2 b	NG SMUD	2031	369.9	1,262.0	3,412	73,891	68.0	61.9%
include	G0000	Scattergood CC	NG SCG	2031	1,309.0	9,191.6	7,022	538,169	300.0	49.7%
include	G0000	Scattergood CT 1	NG SCG	2031	-	-	-	-	100.0	0.0%
include	G0000	Scattergood CT 2	NG SCG	2031	0.7	6.0	8,852	349	100.0	0.1%
include	S0071	SEGS III	Solar/NG SCG	2031	52.2	109.5	2,098	6,411	22.6	26.3%
include	S0072	SEGS IV	Solar/NG SCG	2031	52.2	127.7	2,448	7,480	22.6	26.3%
include	S0073	SEGS IX	Solar/NG SCG	2031	140.4	127.7	910	7,480	60.7	26.3%
include	S0074	SEGS V	Solar/NG SCG	2031	52.2	109.5	2,098	6,411	22.6	26.3%
include	S0075	SEGS VI	Solar/NG SCG	2031	53.4	127.7	2,392	7,480	23.1	26.3%
include	S0076	SEGS VII	Solar/NG SCG	2031	53.4	109.5	2,050	6,411	23.1	26.3%
include	S0077	SEGS VIII	Solar/NG SCG	2031	140.4	127.7	910	7,480	60.7	26.3%

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include	G0076	SPA Campbell CG 1	NG SMUD	2031	716.0	3,050.3	4,260	178,592	164.0	49.7%
include	G0784	Sunrise Power CC 1a	NG Kern River	2031	1,333.0	9,359.3	7,021	547,987	250.5	60.6%
include	G0784	Sunrise Power CC 1b	NG Kern River	2031	1,342.3	9,423.0	7,020	551,719	250.5	61.0%
include	G0779	Sutter 1a	NG PG&E BB	2031	1,254.0	8,720.0	6,954	510,557	276.5	51.6%
include	G0779	Sutter 1b	NG PG&E BB	2031	1,215.5	8,451.7	6,953	494,848	276.5	50.0%
include	G0590	Sycamore Cogen GTB	NG TEOR Cogen	2031	8.9	71.4	8,016	4,180	74.4	1.4%
include	G0590	Sycamore Cogen GTD	NG TEOR Cogen	2031	8.9	71.4	8,019	4,181	74.4	1.4%
include	G0838	Tracy CC	NG PG&E LT	2031	47.9	361.1	7,534	21,141	314.0	1.7%
include	G0648	Valley (CA) 1A	NG SCG	2031	81.2	592.3	7,292	34,680	240.0	3.9%
include	G0648	Valley (CA) 1B	NG SCG	2031	102.5	747.0	7,290	43,739	240.0	4.9%
include	G0648	Valley (CA) 5	NG SCG	2031	-	-	-	-	60.5	0.0%
include	G0900	Walnut Energy Center 1a	NG PG&E LT	2031	28.4	225.0	7,919	13,172	134.5	2.4%
include	G0900	Walnut Energy Center 1b	NG PG&E LT	2031	13.4	105.7	7,918	6,190	134.5	1.1%
include	G0679	Woodland CC 1	NG PG&E LT	2031	80.1	613.8	7,663	35,935	63.0	14.5%