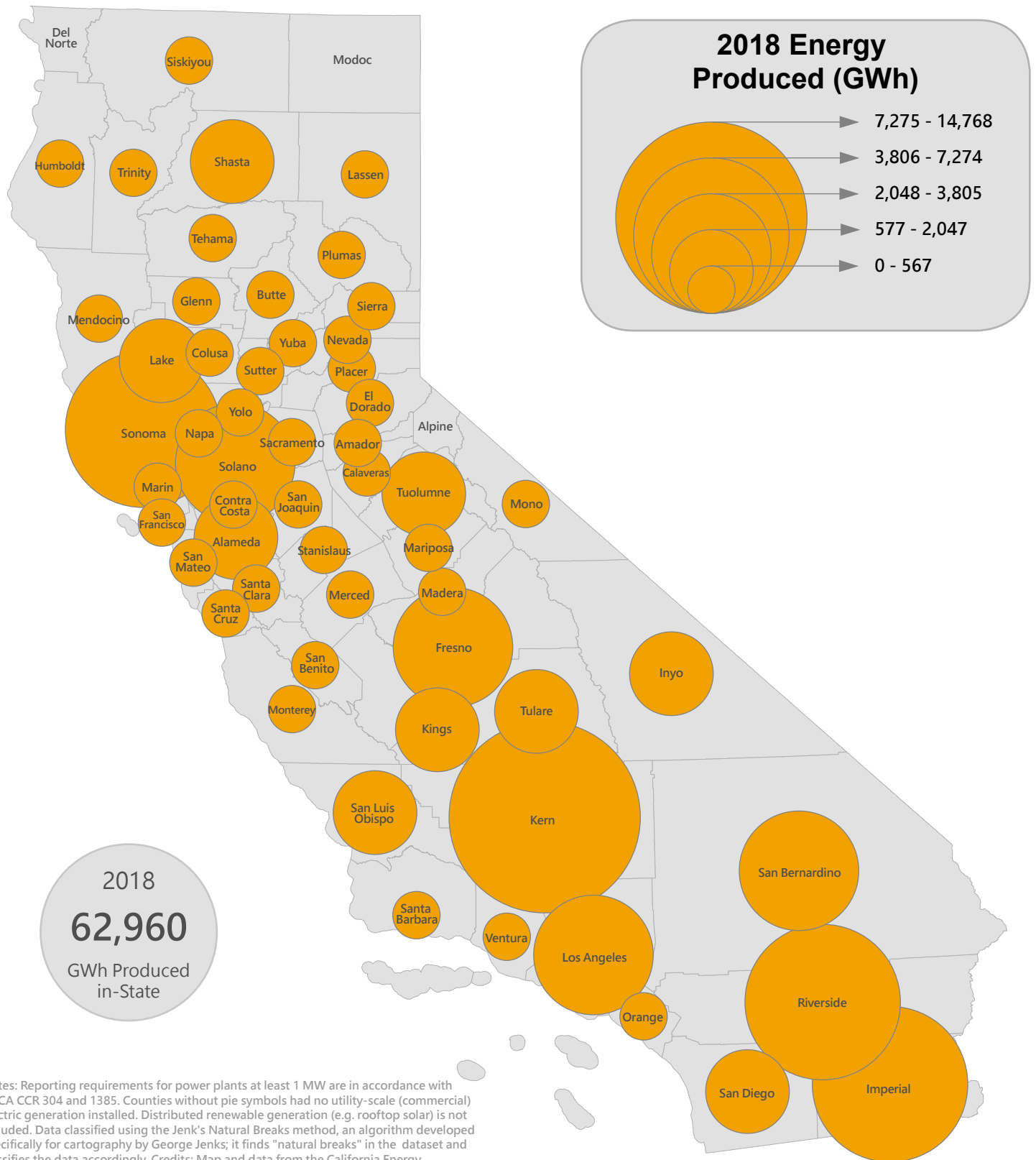


Utility-Scale Renewable Electrical Generation Totals by County



Notes: Reporting requirements for power plants at least 1 MW are in accordance with 20 CA CCR 304 and 1385. Counties without pie symbols had no utility-scale (commercial) electric generation installed. Distributed renewable generation (e.g. rooftop solar) is not included. Data classified using the Jenk's Natural Breaks method, an algorithm developed specifically for cartography by George Jenks; it finds "natural breaks" in the dataset and classifies the data accordingly. Credits: Map and data from the California Energy Commission. Energy production data is from the Quarter Fuel and Energy Report (QFER) and the Wind Performance Reporting System (WPRS) databases. Data is from 2018, and is current as of 01 July 2019. Contact Dylan Kojimoto at (916) 651-0477 or John Hingtgen at (916) 657-4046 for questions.

2018 Utility-Scale Renewable Electric Generation in GWh

County	Biomass	Geothermal	Small Hydro	Solar PV	Solar Thermal	Wind	Total Renewables
Alameda	127	-	-	30	-	772	929
Alpine	-	-	-	-	-	-	-
Amador	-	69	-	2	-	-	71
Butte	14	167	-	11	-	-	191
Calaveras	0	130	-	3	-	-	132
Colusa	166	-	-	-	-	-	166
Contra Costa	30	-	-	79	-	98	208
Del Norte	-	-	-	-	-	-	-
El Dorado	-	131	-	-	-	-	131
Fresno	189	10	-	2,066	-	-	2,264
Glenn	-	4	-	3	-	-	8
Humboldt	171	-	-	14	-	-	185
Imperial	-	143	3,615	2,941	-	575	7,274
Inyo	-	338	1,175	-	-	-	1,514
Kern	267	203	-	6,662	-	7,636	14,768
Kings	-	-	-	1,172	-	-	1,172
Lake	-	3	1,291	5	-	-	1,299
Lassen	191	48	-	-	-	-	239
Los Angeles	910	446	-	2,444	-	4	3,805
Madera	67	160	-	51	-	-	278
Marin	29	0	-	4	-	-	33
Mariposa	-	29	-	-	-	-	29
Mendocino	-	19	-	12	-	-	31
Merced	63	30	-	359	-	9	461
Modoc	-	-	-	-	-	-	-
Mono	-	45	205	-	-	-	250
Monterey	47	-	-	378	-	12	436
Napa	5	-	-	3	-	-	8
Nevada	-	206	-	-	-	-	206
Orange	463	21	-	5	-	-	488
Placer	294	275	-	8	-	-	577
Plumas	113	28	-	-	-	-	142
Riverside	330	57	-	2,957	623	1,592	5,559
Sacramento	115	59	-	292	-	-	466
San Benito	-	-	-	23	-	-	23
San Bernardino	-	75	-	1,591	1,921	7	3,594
San Diego	230	31	-	330	-	471	1,062
San Francisco	4	-	-	23	-	-	27
San Joaquin	436	24	-	19	-	5	484
San Luis Obispo	10	8	-	2,029	-	-	2,047
San Mateo	85	-	-	-	-	-	85
Santa Barbara	30	-	-	117	-	-	147
Santa Clara	13	-	-	48	-	-	61
Santa Cruz	29	-	-	2	-	-	31
Shasta	711	273	-	14	-	259	1,256
Sierra	-	26	-	-	-	-	26
Siskiyou	56	268	-	-	-	-	324
Solano	76	-	-	43	-	2640	2,759
Sonoma	23	3	5242	22	-	-	5,290
Stanislaus	150	47	-	122	-	-	320
Sutter	-	-	-	7	-	-	7
Tehama	-	29	-	12	-	1	43
Trinity	-	24	-	-	-	-	24
Tulare	-	50	-	773	-	-	823
Tuolumne	168	728	-	3	-	-	899
Ventura	7	1	-	7	-	-	15
Yolo	206	36	-	18	-	2	261
Yuba	27	1	-	2	-	-	30
Total	5,853	4,248	11,528	24,704	2,545	14,083	62,960