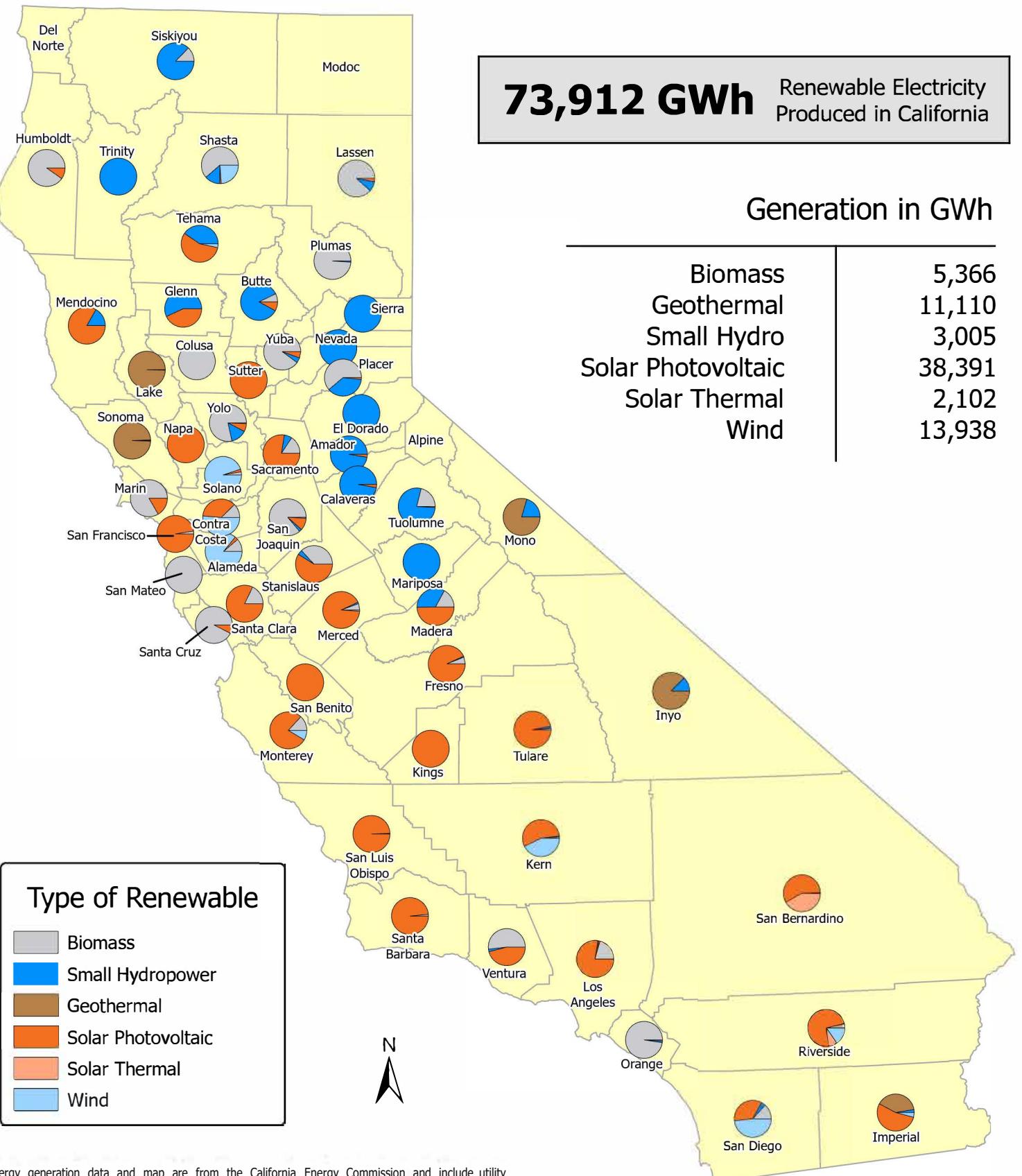


Utility Renewable Generation by Type and County: 2022



Energy generation data and map are from the California Energy Commission and include utility scale power plants. Plants of any type below 1 MW (e.g. residential solar) are not included. Hydroelectric plants of 30 MW and less are considered renewable energy sources in California. Hydroelectric plants over 30 MW are non-renewable. Counties without pie symbols had no utility scale renewable electric generation for the year. Data is for 2022 and is current as of August 4, 2023. Projection: NAD 1983 (2011) California (Teale) Albers (Meters). For more information, contact Gordon Huang at qfgeren@energy.ca.gov or John Hinggen at wgrshelp@energy.ca.gov.

Renewable Electrical Generation in Gigawatt Hours (GWh)

County	Biomass	Geothermal	Small Hydro	Solar Photovoltaic	Solar Thermal	Wind	Total
Alameda	114	-	-	29	-	869	1,012
Amador	0	-	76	2	-	-	78
Butte	14	-	165	15	-	-	194
Calaveras	-	-	96	3	-	-	99
Colusa	145	-	-	-	-	-	145
Contra Costa	24	-	-	70	-	99	194
El Dorado	-	-	104	-	-	-	104
Fresno	138	-	19	2,173	-	-	2,330
Glenn	-	-	5	4	-	-	8
Humboldt	143	-	-	16	-	-	158
Imperial	-	3,472	228	4,701	-	363	8,763
Inyo	-	1,126	160	-	-	-	1,286
Kern	186	-	149	10,230	-	7,869	18,434
Kings	-	-	-	3,678	-	-	3,678
Lake	-	1,328	0	5	-	-	1,333
Lassen	176	-	17	6	-	-	200
Los Angeles	804	-	89	3,022	-	5	3,919
Madera	53	-	104	155	-	-	312
Marin	20	-	-	4	-	-	24
Mariposa	-	-	15	-	-	-	15
Mendocino	-	-	2	12	-	-	15
Merced	51	-	12	843	-	10	916
Mono	-	207	53	-	-	-	260
Monterey	53	-	-	313	-	34	400
Napa	-	-	-	3	-	-	3
Nevada	-	-	232	-	-	-	232
Orange	492	-	7	5	-	-	505
Placer	302	-	184	8	-	-	493
Plumas	181	-	2	-	-	-	183
Riverside	292	-	45	6,165	615	1,305	8,422
Sacramento	107	-	46	526	-	-	679
San Benito	-	-	-	329	-	-	329
San Bernardino	-	-	18	2,054	1,487	7	3,566
San Diego	137	-	39	358	-	499	1,033
San Francisco	1	-	-	22	-	-	23
San Joaquin	410	-	11	51	-	4	477
San Luis Obispo	11	-	1	2,259	-	-	2,271
San Mateo	88	-	-	-	-	-	88
Santa Barbara	2	-	-	129	-	-	131
Santa Clara	11	-	-	49	-	-	59
Santa Cruz	26	-	-	2	-	-	28
Shasta	711	-	157	15	-	276	1,159
Sierra	-	-	21	-	-	-	21
Siskiyou	34	-	232	-	-	-	266
Solano	75	-	-	64	-	2,595	2,733
Sonoma	32	4,978	0	22	-	-	5,032
Stanislaus	126	-	14	201	-	-	342
Sutter	-	-	-	4	-	-	4
Tehama	-	-	22	31	-	2	54
Trinity	-	-	14	-	-	-	14
Tulare	9	-	14	780	-	-	804
Tuolumne	167	-	615	7	-	-	789
Ventura	6	-	0	6	-	-	12
Yolo	201	-	36	18	-	2	256
Yuba	26	-	1	2	-	-	29
Total	5,366	11,110	3,005	38,391	2,102	13,938	73,912