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California Hydroelectric Statistics & Data

In 2016, hydro-produced electricity used by California totaled nearly 28,977 gigawatt-hours (GWh), or 14.62 percent of the state's total system power. A total of 267 hydroelectric facilities with an installed capacity of 13,995 megawatts (MW). The amount of hydroelectricity produced varies each year and is largely dependent on snowmelt runoff and rainfall. The annual average hydroelectric generation from 1983 through 2016 is 14,235.5 GWh.

Hydro facilities in California fall into one of two categories. Facilities smaller than 30 MW capacity are generally considered an eligible renewable energy resource and are referred to as small hydro. These small hydro facilities must be certified for the net MWh to count according to renewable energy portfolio standards. There are a few cases where some hydro facilities larger than 30 MW may also be eligible under specific eligibility criteria. All other hydro facilities are referred to as large hydro.

One of those hydro facilities is the Edward Hyatt Power Plant on Oroville Dam, pictured on the right. According to the [Calif. Dept. of Water Resources](#), the "Hyatt Power Plant was constructed in the bedrock below Lake Oroville. A cavern the size of two football fields was dug out to house the facility." The Hyatt Power Plant is a large hydro facility and is part of California's [State Water Project](#), which is the largest state-built water and power development and conveyance system in the United States. Hyatt is the fourth largest energy producer of all the hydroelectric facilities in California.



Photo by California Department of Water Resources

Small Hydroelectricity Production

Go to a Different Year

Year	Company Name	EIA Plant ID	CEC Plant ID	Plant Name	State	Capacity (MW)	Gross MWh	Net MWh
2016	Calaveras County Water District		H0073	Hogan	CA	3.0	5,217	5,217
2016	California Department of Water Resources		H0058	Alamo	CA	19.7	67,337	66,938
2016	California Department of Water Resources		H0511	Thermalito Diversion Dam	CA	3.0	20,359	20,321
2016	Calleguas Municipal Water District		H0076	Springville Reservoir	CA	1.0	1,167	1,167
2016	Calleguas Municipal Water District		H0078	East Portal Generator	CA	1.3	5,085	5,085
2016	City of Escondido		H0021	Bear Valley	CA	1.5	806	806
2016	City of Pasadena		H0014	Azusa	CA	3.0	0	0
2016	City of Redding Electric Utility		H0564	Whiskeytown	CA	3.5	24,278	24,278
2016	City of Ukiah		H0283	Lake Mendocino	CA	3.5	8,112	8,008
2016	Desert Water Agency		H0136	Whitewater Hydroelectric Plant	CA	1.4	1,900	1,900
2016	East Bay Municipal Utility District (EBMUD)		H0080	Camanche	CA	10.8	16,547	16,547
2016	East Bay Municipal Utility District (EBMUD)		H0380	Pardee	CA	23.6	130,466	130,466
2016	El Dorado Hydro		H0168	Montgomery Creek Hydro	CA	2.6	10,662	10,662
2016	El Dorado Irrigation District		H0167	El Dorado	CA	20.0	61,444	61,249

2016	Friant Power Authority	H0198	Friant-Kern Hydro Facility (River Outlet Madera Canal F-K)	CA	30.6	39,466	38,389
2016	Humboldt Bay Municipal Water District	H0241	Gosselin Hydroelectric Plant	CA	2.0	6,044	6,044
2016	Hydrodynamics	H0321	Hatchet Creek Project	CA	7.0	16,919	16,919
2016	Hydrodynamics	H0322	Roaring Creek	CA	2.0	6,266	6,266
2016	Hydrodynamics	H0323	Bidwell Ditch	CA	2.0	10,088	10,088
2016	Hypower Inc	H0192	Forks of Butte Hydro Project	CA	14.5	51,347	51,347
2016	Imperial Irrigation District	H0147	Drop 1	CA	5.9	12,778	12,398
2016	Imperial Irrigation District	H0149	Drop 2	CA	10.0	45,992	45,725
2016	Imperial Irrigation District	H0150	Drop 3	CA	9.8	46,573	46,355
2016	Imperial Irrigation District	H0151	Drop 4	CA	19.6	94,163	93,218
2016	Imperial Irrigation District	H0152	Drop 5	CA	4.0	13,613	13,508
2016	Imperial Irrigation District	H0160	East Highline	CA	2.4	3,114	2,970
2016	Imperial Irrigation District	H0385	Pilot Knob	CA	33.0	23,917	23,684
2016	Isabella Partners	H0094	Isabella	CA	13.9	9,400	9,400
2016	Kaweah River Power Authority	H0262	Terminus Hydroelectric Project	CA	20.0	30,610	29,958
2016	Los Angeles County Flood Control District	H0442	San Gabriel Hydroelectric Project	CA	5.0	855	855
2016	Los Angeles Department of Water & Power (LADWP)	H0039	Castaic Efficiency (Small Hydro)	CA	9.0	3,589	3,589
2016	Los Angeles Department of Water & Power (LADWP)	H0040	Big Pine	CA	3.2	1,478	1,478
2016	Los Angeles Department of Water & Power (LADWP)	H0110	Control Gorge	CA	37.5	37,040	36,731
2016	Los Angeles Department of Water & Power (LADWP)	H0116	Cottonwood	CA	1.5	1,615	1,615
2016	Los Angeles Department of Water & Power (LADWP)	H0142	Division Creek	CA	0.6	0	0
2016	Los Angeles Department of Water & Power (LADWP)	H0189	Foothill	CA	11.0	30,349	29,749
2016	Los Angeles Department of Water & Power (LADWP)	H0193	Franklin	CA	2.0	0	0
2016	Los Angeles Department of Water & Power (LADWP)	H0216	Haiwee	CA	6.4	6,770	6,770
2016	Los Angeles Department of Water & Power (LADWP)	H0328	Middle Gorge	CA	37.5	21,160	20,965
2016	Los Angeles Department of Water & Power (LADWP)	H0394	Pleasant Valley	CA	3.2	3,424	3,424
2016	Los Angeles Department of Water & Power (LADWP)	H0438	San Fernando	CA	6.4	682	682
2016	Los Angeles Department of Water & Power (LADWP)	H0440	San Francisquito 2	CA	46.0	1,120	855
2016	Los Angeles Department of Water & Power (LADWP)	H0441	San Francisquito 1	CA	69.4	68,809	67,431
2016	Los Angeles Department of Water & Power (LADWP)	H0467	Sawtelle	CA	0.6	0	0
2016	Los Angeles Department of Water & Power (LADWP)	H0536	Upper Gorge	CA	37.5	31,150	30,935
2016	Los Angeles Department of Water & Power (LADWP)	H0616	North Hollywood Pumping Plant	CA	1.0	0	0
2016	Lower Tule River & Pixley Irrigation District	H0503	Success Power Project	CA	1.4	26	26
2016	Madera-Chowchilla Water Power Authority	H0310	Madera Canal (Station 980 1174 1302 1923)	CA	3.7	6,696	6,696
2016	Malacha Hydro Ltd Partnership	H0311	Muck Valley Hydroelectric	CA	29.9	89,874	88,097
2016	Merced Irrigation District	H0316	McSwain	CA	9.0	20,416	19,892
2016	Merced Irrigation District	H0325	Merced ID (Parker)	CA	2.7	4,973	4,958
2016	Metropolitan Water District	H0114	Corona	CA	2.8	20,224	20,224
2016	Metropolitan Water District	H0119	Coyote Creek	CA	3.1	5,858	5,858
2016	Metropolitan Water District	H0174	Etiwanda	CA	23.9	0	0
2016	Metropolitan Water District	H0188	Foothill Feeder	CA	9.0	27,372	27,372
2016	Metropolitan Water District	H0211	Greg Avenue	CA	1.0	0	0
2016	Metropolitan Water District	H0282	Lake Mathews	CA	4.9	32,845	32,845
2016	Metropolitan Water District	H0382	Perris	CA	7.9	4,497	4,497
2016	Metropolitan Water District	H0408	Red Mountain	CA	5.9	25,595	25,595

2016	Metropolitan Water District	H0412	Rio Hondo	CA	1.9	1,737	1,737
2016	Metropolitan Water District	H0437	San Dimas Hydro Recovery Plant	CA	9.9	38,554	38,554
2016	Metropolitan Water District	H0472	Sepulveda Canyon	CA	8.5	4,312	4,312
2016	Metropolitan Water District	H0509	Temescal	CA	2.8	16,278	16,278
2016	Metropolitan Water District	H0539	Valley View	CA	4.1	11,779	11,779
2016	Metropolitan Water District	H0541	Venice	CA	10.1	0	0
2016	Metropolitan Water District	H0577	Yorba Linda	CA	5.1	8,306	8,306
2016	Metropolitan Water District	H0611	Diamond Valley Lake	CA	29.7	1,664	1,664
2016	Monterey County Water Resources Agency	H0341	Nacimiento Hydro Project	CA	4.4	1,020	1,020
2016	Nelson Creek Power Inc	H0349	Nelson Creek	CA	1.2	2,523	2,502
2016	Nevada Irrigation District	H0054	Combie South (3 @ 500kW = 1.5MW)	CA	1.5	7,934	7,927
2016	Nevada Irrigation District	H0157	Dutch Flat 2	CA	27.3	91,242	90,867
2016	Nevada Irrigation District	H0351	Bowman	CA	3.6	14,708	14,700
2016	Nevada Irrigation District	H0424	Rollins	CA	13.5	74,467	74,460
2016	Norman Ross Burgess	H0512	Three Forks Water Power Project	CA	1.3	7,926	7,703
2016	Northbrook Power Management LLC	H0226	Lower Haypress Hydroelectric	CA	5.0	11,562	11,562
2016	Northbrook Power Management LLC	H0427	Kanaka	CA	1.1	1,277	1,277
2016	Northbrook Power Management LLC	H0428	Kekawaka	CA	4.9	12,540	12,540
2016	Northbrook Power Management LLC	H0623	Middle Haypress Hydroelectric	CA	5.0	13,119	13,119
2016	Northern California Power Agency	H0209	Graeagle	CA	0.4	3,025	2,779
2016	Northern California Power Agency	H0356	Spicer	CA	6.0	12,087	11,467
2016	Olcese Water District	H0367	Rio Bravo Hydroelectric	CA	14.0	12,210	12,210
2016	Pacific Gas & Electric (PG&E)	H0005	Alta	CA	1.0	3,123	3,121
2016	Pacific Gas & Electric (PG&E)	H0092	Centerville	CA	6.4	0	0
2016	Pacific Gas & Electric (PG&E)	H0096	Chili Bar	CA	8.1	32,350	32,313
2016	Pacific Gas & Electric (PG&E)	H0106	Coleman	CA	13.0	47,515	47,515
2016	Pacific Gas & Electric (PG&E)	H0118	Cow Creek	CA	2.0	6,813	6,803
2016	Pacific Gas & Electric (PG&E)	H0120	Crane Valley	CA	0.9	1,786	1,759
2016	Pacific Gas & Electric (PG&E)	H0130	De Sabla	CA	18.5	49,393	49,392
2016	Pacific Gas & Electric (PG&E)	H0133	Deer Creek	CA	5.7	15,919	15,855
2016	Pacific Gas & Electric (PG&E)	H0156	Dutch Flat #1	CA	22.0	93,408	90,137
2016	Pacific Gas & Electric (PG&E)	H0217	Halsey	CA	11.0	29,405	29,403
2016	Pacific Gas & Electric (PG&E)	H0218	Hamilton Branch	CA	4.9	10,118	10,097
2016	Pacific Gas & Electric (PG&E)	H0221	Hat Creek #1	CA	8.5	25,538	25,538
2016	Pacific Gas & Electric (PG&E)	H0222	Hat Creek #2	CA	8.5	32,645	32,621
2016	Pacific Gas & Electric (PG&E)	H0244	Inskip	CA	8.0	18,808	18,803
2016	Pacific Gas & Electric (PG&E)	H0265	Kerckhoff PH 1	CA	25.2	44,863	44,863
2016	Pacific Gas & Electric (PG&E)	H0267	Kern Canyon	CA	11.5	33,871	33,871
2016	Pacific Gas & Electric (PG&E)	H0271	Kilarc	CA	3.0	18,506	18,502
2016	Pacific Gas & Electric (PG&E)	H0287	Lime Saddle	CA	2.0	3,295	3,286
2016	Pacific Gas & Electric (PG&E)	H0324	Merced Falls	CA	3.5	7,997	7,949
2016	Pacific Gas & Electric (PG&E)	H0348	Narrows 1	CA	12.0	41,921	41,829
2016	Pacific Gas & Electric (PG&E)	H0357	Newcastle	CA	11.5	16,068	16,020
2016	Pacific Gas & Electric (PG&E)	H0364	Oak Flat	CA	1.3	5,873	5,838
2016	Pacific Gas & Electric (PG&E)	H0383	Phoenix	CA	2.0	7,876	7,874
2016	Pacific Gas & Electric (PG&E)	H0401	Potter Valley	CA	9.3	7,103	7,092
2016	Pacific Gas & Electric (PG&E)	H0448	San Joaquin #1A	CA	0.4	659	659
2016	Pacific Gas & Electric (PG&E)	H0449	San Joaquin #2	CA	3.2	3,389	3,389
2016	Pacific Gas & Electric (PG&E)	H0450	San Joaquin #3	CA	4.0	480	480
2016	Pacific Gas & Electric (PG&E)	H0486	South	CA	7.0	20,390	20,389
2016	Pacific Gas & Electric (PG&E)	H0490	Spaulding #1	CA	7.0	15,992	15,926
2016	Pacific Gas & Electric (PG&E)	H0491	Spaulding #2	CA	4.4	1,712	1,664
2016	Pacific Gas & Electric (PG&E)	H0492	Spaulding #3	CA	5.8	17,352	17,351

2016	Pacific Gas & Electric (PG&E)	H0495	Spring Gap	CA	7.0	34,819	34,813
2016	Pacific Gas & Electric (PG&E)	H0518	Toadtown	CA	1.3	3,216	3,202
2016	Pacific Gas & Electric (PG&E)	H0523	Tule	CA	6.4	14,897	14,824
2016	Pacific Gas & Electric (PG&E)	H0545	Volta #1	CA	9.0	43,593	43,593
2016	Pacific Gas & Electric (PG&E)	H0546	Volta #2	CA	1.0	4,786	4,783
2016	Pacific Gas & Electric (PG&E)	H0558	West Point	CA	14.0	78,888	78,865
2016	Pacific Gas & Electric (PG&E)	H0569	Wise	CA	17.1	67,770	67,721
2016	Pacific Gas & Electric (PG&E)	H0570	Wishon Powerhouse	CA	18.0	34,099	34,098
2016	PacifiCorp	H0111	Copco 1	CA	20.0	81,288	80,964
2016	PacifiCorp	H0112	Copco 2	CA	27.0	105,152	104,792
2016	PacifiCorp	H0177	Fall Creek	CA	2.2	10,482	10,146
2016	PacifiCorp	H0245	Iron Gate	CA	18.0	100,872	100,752
2016	Placer County Water Agency	H0195	French Meadows	CA	15.0	55,802	54,183
2016	Placer County Water Agency	H0228	Hell Hole	CA	0.7	2,481	2,406
2016	Placer County Water Agency	H0374	Oxbow	CA	6.0	19,577	19,269
2016	Rock Creek Limited Partnership	H0422	Rock Creek L.P.	CA	3.6	7,298	7,298
2016	Sacramento Municipal Utility District (SMUD)	H0083	Camp Far West	CA	7.2	27,758	27,711
2016	Sacramento Municipal Utility District (SMUD)	H0255	Jones Fork	CA	10.0	22,751	22,638
2016	Sacramento Municipal Utility District (SMUD)	H0414	Robbs Peak	CA	25.5	53,968	53,967
2016	Sacramento Municipal Utility District (SMUD)	H0482	Slab Creek	CA	0.5	1,996	1,985
2016	San Diego County Water Authority	H0612	Rancho Penasquitos	CA	4.7	8,951	8,951
2016	San Gabriel Valley Municipal Water District	H0443	San Dimas Wash	CA	1.0	1,495	1,495
2016	SF Public Utilities Commission	H0274	Kirkwood (RPS Certified)	CA	118.2	572,404	570,705
2016	SF Public Utilities Commission	H0336	Moccasin Low Head	CA	2.9	1,256	1,256
2016	Silicon Valley Power	H0046	Black Butte	CA	6.2	9,463	9,463
2016	Silicon Valley Power	H0213	Grizzly	CA	21.0	40,739	40,739
2016	Silicon Valley Power	H0500	Stony Gorge	CA	5.0	8,729	8,729
2016	Siskiyou County	H0284	Box Canyon	CA	5.0	24,080	23,911
2016	Slate Creek Hydro Assoc LP	H0483	Slate Creek	CA	4.2	10,531	10,531
2016	Snow Mountain Hydro LLC	H0236	Cove Hydroelectric	CA	5.0	16,568	16,568
2016	Snow Mountain Hydro LLC	H0237	Ponderosa Bailey Creek	CA	1.1	3,516	3,516
2016	Snow Mountain Hydro LLC	H0238	Lost Creek 1	CA	1.1	4,032	4,032
2016	Snow Mountain Hydro LLC	H0240	Burney Creek	CA	3.0	7,147	7,147
2016	Solano Irrigation District	H0343	Monticello	CA	11.5	35,882	35,882
2016	Sonoma County Water Agency	H0485	Warm Springs	CA	2.8	8,951	8,951
2016	South Feather Water and Power	H0263	Kelly Ridge	CA	10.0	74,313	74,140
2016	South Feather Water and Power	H0484	Sly Creek	CA	12.0	35,274	34,917
2016	South San Joaquin Irr District	H0488	Frankenheimer	CA	5.0	9,500	9,500
2016	South San Joaquin Irr District	H0489	Woodward	CA	2.8	2,359	2,359
2016	Southern California Edison (SCE)	H0041	Bishop Creek 2	CA	7.3	24,861	24,861
2016	Southern California Edison (SCE)	H0042	Bishop Creek 3	CA	7.8	22,880	22,880
2016	Southern California Edison (SCE)	H0043	Bishop Creek 4	CA	7.9	23,688	23,688
2016	Southern California Edison (SCE)	H0044	Bishop Creek 5	CA	3.8	10,842	10,842
2016	Southern California Edison (SCE)	H0045	Bishop Creek 6	CA	1.6	8,024	8,024
2016	Southern California Edison (SCE)	H0048	Borel	CA	11.0	-218	-218
2016	Southern California Edison (SCE)	H0187	Fontana	CA	1.9	1,294	1,294
2016	Southern California Edison (SCE)	H0259	Kaweah 1	CA	1.0	6,976	6,976
2016	Southern California Edison (SCE)	H0260	Kaweah 2	CA	1.8	5,740	5,740
2016	Southern California Edison (SCE)	H0261	Kaweah 3	CA	4.8	18,979	18,979
2016	Southern California Edison (SCE)	H0268	Kern River 1	CA	24.8	152,368	152,368
2016	Southern California Edison (SCE)	H0296	Lundy	CA	3.0	7,722	7,722

2016	Southern California Edison (SCE)	H0298	Lytle Creek	CA	0.5	339	339	
2016	Southern California Edison (SCE)	H0331	Mill Creek 1	CA	0.8	1,785	1,785	
2016	Southern California Edison (SCE)	H0332	Mill Creek 2	CA	0.3	402	402	
2016	Southern California Edison (SCE)	H0333	Mill Creek 3	CA	3.0	4,828	4,828	
2016	Southern California Edison (SCE)	H0372	Ontario 1	CA	0.6	1,024	1,024	
2016	Southern California Edison (SCE)	H0373	Ontario 2	CA	0.3	422	422	
2016	Southern California Edison (SCE)	H0398	Poole	CA	10.0	30,359	30,359	
2016	Southern California Edison (SCE)	H0426	Rush Creek	CA	8.4	45,954	45,954	
2016	Southern California Edison (SCE)	H0460	Santa Ana 1	CA	3.2	876	876	
2016	Southern California Edison (SCE)	H0462	Santa Ana 3	CA	3.1	2,699	2,699	
2016	Southern California Edison (SCE)	H0479	Sierra	CA	0.5	805	805	
2016	Southern California Edison (SCE)	H0499	Portal	CA	10.0	11,019	11,019	
2016	Southern California Edison (SCE)	H0525	Tule River	CA	2.5	10,540	10,540	
2016	Synergics Energy Services LLC	H0371	Olsen	CA	5.0	2,003	2,003	
2016	TKO Power Inc	H0507	Bear Creek	CA	3.2	6,766	6,766	
2016	Tri-Dam Power Authority	H0519	Sand Bar	CA	16.2	95,011	95,011	
2016	Tri-Dam Project & Tri-Dam Power Authority	H0022	Beardsley	CA	10.0	68,778	68,361	
2016	Tri-Dam Project & Tri-Dam Power Authority	H0527	Tulloch	CA	30.6	85,727	85,312	
2016	Turlock Irrigation District	H0234	Hickman	CA	1.1	3,396	3,374	
2016	Turlock Irrigation District	H0276	La Grange	CA	4.2	9,649	9,543	
2016	Turlock Irrigation District	H0530	Turlock Lake	CA	3.3	78	72	
2016	Turlock Irrigation District	H0535	Upper Dawson	CA	4.4	7,776	7,654	
2016	United States Bureau of Reclamation	H0286	Lewiston	CA	0.3	2,647	1,145	
2016	United States Bureau of Reclamation	H0360	Nimbus	CA	13.5	54,256	53,960	
2016	United States Bureau of Reclamation	H0363	O'Neill	CA	25.2	9,758	8,756	
2016	United States Bureau of Reclamation	H0471	Senator Wash	CA	7.8	5,751	5,140	
2016	United States Bureau of Reclamation	H0497	Stampede	CA	3.6	5,213	4,993	
2016	United Water Conservation District	H0533	Santa Felicia	CA	1.4	57	57	
2016	Utica Power Authority	H0008	Angels	CA	1.4	5,833	5,833	
2016	Utica Power Authority	H0346	Murphys	CA	3.6	13,756	13,756	
2016	Yolo County Flood Control & Water Conservation District	H0243	Indian Valley Dam	CA	3.0	1,998	1,998	
2016	Yolo County Flood Control & Water Conservation District	H0576	Clear Lake	CA	2.5	0	0	
2016	Yuba County Water Agency	H0053	Fish Power (NPCap = 0.15MW - No Reporting RQD)	CA	0.2	1,062	1,041	
					Total	1,743.2	4,592,932	4,566,940

Large Hydroelectricity Production

Year	Company Name	EIA Plant ID	CEC Plant ID	Plant Name	State	Capacity (MW)	Gross MWh	Net MWh
2016	California Department of Water Resources	436	H0137	Devil Canyon	CA	276.4	879,108	876,780
2016	California Department of Water Resources	437	H0164	Edward C Hyatt	CA	644.3	1,716,845	1,703,430
2016	California Department of Water Resources	7072	H0337	Mojave Siphon	CA	32.8	63,253	62,382
2016	California Department of Water Resources	448	H0452	W R Gianelli	CA	424.0	135,051	-319,948
2016	California Department of Water Resources	438	H0510	Thermalito (Unit 1 HY Unit 2-3-4 PS)	CA	115.1	0	0
2016	California Department of Water Resources	6196	H0567	William E. Warne	CA	74.3	289,050	287,460
2016	Kings River Conservation District	7907	H0387	Pine Flat	CA	165.0	240,630	238,382
2016	Los Angeles Department of Water & Power (LADWP)	392	H0090	Castaic (Pumped Storage)	CA	1,682.0	448,747	432,714
2016	Merced Irrigation District	409	H0175	Exchequer	CA	94.5	148,930	147,276
2016	Nevada Irrigation District	412	H0095	Chicago Park	CA	44.0	161,876	161,362

2016	Northern California Power Agency	54555	H0107	Collierville	CA	263.0	470,895	460,790
2016	Pacific Gas & Electric (PG&E)	217	H0019	Balch #1	CA	34.0	132,643	132,482
2016	Pacific Gas & Electric (PG&E)	218	H0020	Balch #2	CA	108.0	331,896	331,768
2016	Pacific Gas & Electric (PG&E)	219	H0023	Belden	CA	117.9	181,578	181,547
2016	Pacific Gas & Electric (PG&E)	220	H0052	Bucks Creek	CA	58.0	260,394	259,447
2016	Pacific Gas & Electric (PG&E)	221	H0057	Butt Valley	CA	40.0	76,607	69,229
2016	Pacific Gas & Electric (PG&E)	222	H0087	Caribou #1	CA	73.8	85,493	83,004
2016	Pacific Gas & Electric (PG&E)	223	H0088	Caribou #2	CA	120.0	308,656	307,109
2016	Pacific Gas & Electric (PG&E)	231	H0121	Cresta	CA	70.0	250,939	248,702
2016	Pacific Gas & Electric (PG&E)	235	H0154	Drum #1	CA	55.5	157,252	154,477
2016	Pacific Gas & Electric (PG&E)	236	H0155	Drum #2	CA	49.5	224,183	223,706
2016	Pacific Gas & Electric (PG&E)	239	H0171	Electra	CA	99.0	434,125	434,125
2016	Pacific Gas & Electric (PG&E)	240	H0215	Haas	CA	144.0	344,712	344,570
2016	Pacific Gas & Electric (PG&E)	6100	H0229	Helms (Pumped Storage)	CA	1,212.0	860,673	-498,570
2016	Pacific Gas & Electric (PG&E)	249	H0250	James B Black	CA	172.0	587,297	587,024
2016	Pacific Gas & Electric (PG&E)	682	H0266	Kerckhoff PH 2	CA	155.0	303,032	302,590
2016	Pacific Gas & Electric (PG&E)	254	H0272	Kings River	CA	52.0	125,118	122,312
2016	Pacific Gas & Electric (PG&E)	265	H0388	Pit #1	CA	63.0	191,859	191,845
2016	Pacific Gas & Electric (PG&E)	266	H0389	Pit #3	CA	69.0	299,637	297,991
2016	Pacific Gas & Electric (PG&E)	267	H0390	Pit #4	CA	95.0	392,233	388,015
2016	Pacific Gas & Electric (PG&E)	268	H0391	Pit #5	CA	160.0	587,625	587,625
2016	Pacific Gas & Electric (PG&E)	269	H0392	Pit #6	CA	80.0	313,588	312,673
2016	Pacific Gas & Electric (PG&E)	270	H0393	Pit #7	CA	112.0	423,446	422,763
2016	Pacific Gas & Electric (PG&E)	272	H0395	Poe	CA	120.0	431,270	431,099
2016	Pacific Gas & Electric (PG&E)	275	H0417	Rock Creek	CA	112.0	346,834	343,269
2016	Pacific Gas & Electric (PG&E)	279	H0431	Salt Springs	CA	46.0	174,890	174,848
2016	Pacific Gas & Electric (PG&E)	285	H0498	Stanislaus	CA	91.0	402,166	402,166
2016	Pacific Gas & Electric (PG&E)	287	H0516	Tiger Creek	CA	60.0	269,372	269,347
2016	Placer County Water Agency	425	H0275	Middle Fork	CA	116.0	535,246	531,916
2016	Placer County Water Agency	427	H0406	Ralston	CA	79.0	401,752	398,965
2016	Sacramento Municipal Utility District (SMUD)	430	H0081	Camino	CA	157.8	404,006	404,004
2016	Sacramento Municipal Utility District (SMUD)	431	H0253	Jaybird	CA	161.6	575,887	575,862
2016	Sacramento Municipal Utility District (SMUD)	432	H0289	Loon Lake	CA	74.1	92,788	92,670
2016	Sacramento Municipal Utility District (SMUD)	6612	H0532	Union Valley	CA	38.6	109,773	109,772
2016	Sacramento Municipal Utility District (SMUD)	435	H0565	White Rock	CA	266.0	643,563	643,562
2016	San Diego County Water Authority	57729	H0613	Lake Hodges Station (Olivenhain Pumped Storage)	CA	40.0	31,843	-10,236
2016	SF Public Utilities Commission	380	H0141	Dion R Holm	CA	165.0	650,573	648,320
2016	SF Public Utilities Commission	381	H0601	Moccasin	CA	100.0	360,147	359,477
2016	South Feather Water and Power	417	H0191	Forbestown	CA	29.0	129,214	128,872
2016	South Feather Water and Power	419	H0573	Woodleaf	CA	59.0	234,213	233,712
2016	Southern California Edison (SCE)	317	H0027	Big Creek 1	CA	82.9	282,180	282,180
2016	Southern California Edison (SCE)	318	H0028	Big Creek 2	CA	67.1	332,639	332,639
2016	Southern California Edison (SCE)	322	H0030	Big Creek 2A	CA	98.5	359,245	359,245
2016	Southern California Edison (SCE)	319	H0032	Big Creek 3	CA	177.0	763,372	763,372
2016	Southern California Edison (SCE)	320	H0034	Big Creek 4	CA	100.0	378,638	378,638
2016	Southern California Edison (SCE)	321	H0036	Big Creek 8	CA	64.5	212,772	212,772
2016	Southern California Edison (SCE)	104	H0161	Eastwood (Pumped Storage)	CA	199.0	238,697	238,697
2016	Southern California Edison (SCE)	339	H0269	Kern River 3	CA	36.8	117,487	117,487
2016	Southern California Edison (SCE)	344	H0313	Mammoth Pool	CA	187.0	632,583	632,583
2016	Tri-Dam Project & Tri-Dam Power Authority	415	H0145	Donnells	CA	72.0	330,218	329,482

2016	Turlock Irrigation District	439	H0144	Don Pedro	CA	203.0	302,616	298,318
2016	United States Bureau of Reclamation	441	H0186	Folsom	CA	207.0	596,446	593,958
2016	United States Bureau of Reclamation	442	H0257	Judge F Carr	CA	154.4	133,680	133,551
2016	United States Bureau of Reclamation	443	H0270	Keswick	CA	117.0	334,961	333,399
2016	United States Bureau of Reclamation	6158	H0353	New Melones	CA	300.0	213,564	212,096
2016	United States Bureau of Reclamation	447	H0381	Parker	CA	120.0	442,968	440,876
2016	United States Bureau of Reclamation	445	H0475	Shasta	CA	714.0	1,751,169	1,748,032
2016	United States Bureau of Reclamation	450	H0493	Spring Creek	CA	180.0	194,758	193,721
2016	United States Bureau of Reclamation	451	H0520	Trinity	CA	140.0	279,472	277,808
2016	Yuba County Water Agency	454	H0352	Colgate	CA	315.0	1,056,466	1,053,635
2016	Yuba County Water Agency	455	H0354	Narrows 2	CA	46.8	205,169	204,959
Total						12,252.1	26,380,008	24,410,136

Hydroelectricity Production Not in California (Imported)

Year	Company Name	EIA Plant ID	CEC Plant ID	Plant Name	State	Capacity (MW)	Gross MWh	Net MWh
2016	United States Bureau of Reclamation	8902	H0242	Hoover Dam (NV)	NV	2,080.0	3,581,430	3,566,740
Total						2,080.0	3,581,430	3,566,740

Total Hydroelectricity Production

(Annual Totals; Excludes Imports)

Year	Capacity (MW)	Gross MWh	Net MWh
2016	13,995.4	30,972,940	28,977,076
2015	13,993.4	15,255,441	13,992,592
2014	13,993.1	17,720,938	16,476,512
2013	13,914.1	25,529,100	24,097,084
2012	13,902.5	28,890,817	27,459,241
2011	13,889.5	43,623,812	42,731,416
2010	13,850.1	35,140,878	34,188,927
2009	13,831.6	29,017,436	28,539,572
2008	13,822.6	23,188,696	24,459,588
2007	13,540.1	27,959,678	27,106,124
2006	13,787.4	49,838,120	48,558,578
2005	13,694.0	40,225,246	40,262,539
2004	13,701.1	35,377,935	34,489,946
2003	13,453.4	37,307,688	36,320,836
2002	13,461.3	32,620,258	31,359,463
2001	13,599.6	26,474,125	24,987,848
2000	N/A	N/A	42,053,000
1999	N/A	N/A	41,627,000
1998	N/A	N/A	48,757,000
1997	N/A	N/A	41,400,000
1996	N/A	N/A	47,883,000
1995	N/A	N/A	51,665,000
1994	N/A	N/A	25,626,000
1993	N/A	N/A	41,595,000
1992	N/A	N/A	22,373,000
1991	N/A	N/A	23,244,000

1990	N/A	N/A	26,092,000
1989	N/A	N/A	32,742,000
1988	N/A	N/A	26,692,000
1987	N/A	N/A	27,140,000
1986	N/A	N/A	44,478,000
1985	N/A	N/A	33,898,000
1984	N/A	N/A	46,880,000
1983	N/A	N/A	59,351,000

Hydroelectricity Production by County

County	Capacity (MW)	Net MWh
Amador	219.0	957,275
Butte	1,106.1	3,000,956
Calaveras	294.6	626,167
El Dorado	765.8	2,005,824
Fresno	2,594.2	4,583,491
Glenn	5.0	8,729
Imperial	92.5	245,901
Inyo	155.9	192,932
Kern	112.0	325,118
Lake	5.5	1,998
Lassen	29.9	89,874
Los Angeles	1,972.1	989,094
Madera	347.8	1,097,796
Mariposa	103.5	169,346
Mendocino	12.8	15,215
Merced	455.4	157,779
Mohave	2,080.0	3,581,430
Mono	21.4	84,035
Nevada	124.8	443,123
Orange	12.3	25,943
Placer	391.5	1,633,825
Plumas	549.3	1,319,317
Riverside	49.6	77,408
Sacramento	220.5	650,702
San Bernardino	467.3	1,399,803
San Diego	52.1	67,195
San Joaquin	10.8	16,547
San Luis Obispo	4.4	1,020
Shasta	2,002.3	5,510,947
Sierra	13.6	29,894
Siskiyou	72.2	321,874
Sonoma	2.8	8,951
Stanislaus	20.9	32,758
Tehama	21.2	48,661
Trinity	148.6	308,629
Tulare	37.9	87,768
Tuolumne	1,123.9	3,137,242
Ventura	2.4	1,224
Yolo	11.5	35,882
Yuba	361.9	1,262,697

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