

Power Mix Detail – All of California

2016

Fuel Type	California In-State Generation (GWh)	Percent of California In-State Generation	Northwest Imports (GWh)	Southwest Imports (GWh)	California Energy Mix (GWh)	California Power Mix
Coal	324	0.16%	373	11,310	12,006	4.13%
Large Hydro	24,410	12.31%	3,367	1,904	29,681	10.21%
Natural Gas	98,831	49.86%	41	7,120	105,992	36.48%
Nuclear	18,931	9.55%	0	7,739	26,670	9.18%
Oil	37	0.02%	0	0	37	0.01%
Other (Petroleum Coke/Waste Heat)	394	0.20%	0	0	394	0.14%
Renewables	55,300	27.90%	11,710	6,952	73,961	25.45%
Biomass	5,868	2.96%	659	25	6,553	2.26%
Geothermal	11,582	5.84%	96	1,038	12,717	4.38%
Small Hydro	4,567	2.30%	229	1	4,796	1.65%
Solar	19,783	9.98%	0	3,791	23,574	8.11%
Wind	13,500	6.81%	10,725	2,097	26,321	9.06%
Unspecified Sources of Power	N/A	N/A	26,888	14,937	41,825	14.39%
Total	198,227	100.00%	42,378	49,963	290,567	100.00%

http://www.energy.ca.gov/almanac/electricity_data/total_system_power.html

Unspecified sources of power" means electricity from transactions that are not traceable to specific generation sources.

Large hydro > 30 MW, Small hydro < 30MW

Power Mix Comparison – PGE, SMUD, CA

2016

Fuel Type	PG&E	SMUD	Percent of California In-State Generation	California Power Mix
Coal	0%	0%	0.16%	4.13%
Large Hydro	12%	23%	12.31%	10.21%
Natural Gas	17%	41%	49.86%	36.48%
Nuclear	24%	0%	9.55%	9.18%
Oil			0.02%	0.01%
Other (Petroleum Coke/Waste Heat)	0%	0%	0.20%	0.14%
Renewables	33%	20%	27.90%	25.45%
Biomass	4%	11%	2.96%	2.26%
Geothermal	5%	1%	5.84%	4.38%
Small Hydro	3%	1%	2.30%	1.65%
Solar	13%	3%	9.98%	8.11%
Wind	8%	4%	6.81%	9.06%
Unspecified Sources of Power*	14%	16%	N/A	14.39%
Total	100%	100%	100.00%	100.00%

http://www.energy.ca.gov/almanac/electricity_data/total_system_power.html <https://www.smud.org/assets/documents/pdf/Power-Content-Label-full.pdf> https://www.pge.com/pge_global/common/pdfs/customer-service/other-services/alternative-energy-providers/community-choice-aggregation/PCE_ElectricPowerGenerationMix.pdf

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C.K. Shewmaker 10/30/17

Power Mix Comparison – Some CCEs, PGE, CA

2016

Fuel Type	MCE Light Green	MCE Dark Green	PCE EcoPlus 2017 est.	SCP Clean Start	PG&E	California Power Mix
Coal	0%	0%	0%	0%	0%	4%
Large Hydro	13%	0%	30%	49%	12%	10%
Natural Gas	12%	0%	0%	0%	17%	37%
Nuclear	0%	0%	0%	0%	24%	9%
Oil						>0.1%
Other (Petroleum Coke/Waste Heat)	0%		0%	0%	0%	>0.2%
Renewables	55%	100%	50%	42%	33%	25%
Biomass	5%	25%	3%	0%	4%	2%
Geothermal	0%	0%	3%	8%	5%	4%
Small Hydro	7% %	0%	13%	2%	3%	2%
Solar	9%	25%	3%	0%	13%	8%
Wind	34%	50%	28%	31%	8%	9%
Unspecified Sources of Power*	19%	0%	20%	10%	14%	15%
Total	100%		100%	100%	100%	100.00%

http://www.energy.ca.gov/almanac/electricity_data/total_system_power.html
https://www.pge.com/pge_global/common/pdfs/customer-service/other-services/alternative-energy-providers/community-choice-aggregation/PCE_ElectricPowerGenerationMix.pdf
https://www.mcccleanenergy.org/wp-content/uploads/2017/09/2016_Power_Content_Label_6x9_final-Website.pdf
https://sonomacleanpower.org/wp-content/uploads/2016/03/Copy-of-CA-Mix_Template2016.pdf

Unspecified sources of power" means electricity from transactions that are not traceable to specific generation sources.