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APPENDIX A

**Contracts Executed January 2016 - September 2019 For New Renewables
Portfolio Standard and Combined Heat and Power Projects
Reported to The California Public Utilities Commission¹**

Load Serving Entity	Year of Contract Execution	Technology	Capacity (MW)	County / Location	Contract Term (Years) ²	COD ³
Apple Valley Choice Energy	2019	Wind	4 ⁴	Riverside	10	2021
Clean Power Alliance	2019	Solar PV	40	Kern	15	2021
Clean Power Alliance	2019	Solar PV	233	Riverside	15	2021
CleanPowerSF	2019	Solar PV	62	Riverside	20	2020

¹ Large investor-owned utilities (IOUs), Electric Service Providers (ESPs), and Community Choice Aggregators (CCAs) are required to report their contracts with new renewable projects to the California Public Utilities Commission (CPUC) through submission of their Annual Renewables Portfolio Standard (RPS) Procurement Plans, RPS Compliance Reports, and submissions to the RPS Database. This list of contracts attempts to capture all load serving entity (LSE) contracts executed with new renewable projects and new combined heat and power (CHP) projects between January 2016 and September 2019. It is possible that some contracts have not been reported to the CPUC or were executed after the most recent LSE filings were submitted to the CPUC, and are therefore not on this list.

Annual RPS Procurement Plans are posted to the RPS proceeding docket R.18-07-003: <https://apps.cpuc.ca.gov/apex/f?p=401:56:0::NO>.

Annual RPS Compliance Reports are available on the RPS Program website: ftp://ftp.cpuc.ca.gov/RPS_PPAs/Compliance%20Report%20Archives/.

The RPS Database can be accessed through the RPS Program website: https://www.cpuc.ca.gov/RPS_Reports_Data/.

² Projects denoted by a single asterisk (*) identify Renewable Market Adjusting Tariff (ReMAT) projects. Projects denoted by two asterisks (**) identify Bioenergy Market Adjusting Tariff (BioMAT) projects. Both the ReMAT and BioMAT programs allow sellers to select a term length of 10, 15 or 20 years. See CPUC D.12-05-035 and D.14-12-081.

³ Commercial operation date (COD) is the date a project has achieved or is expected to achieve full commercial operation and begin deliveries pursuant to the contract.

⁴ In 2019, Apple Valley Choice Energy, Lancaster Choice Energy, and Rancho Mirage Energy Authority executed contracts with the same utility-scale wind project in Riverside County, each taking a portion of the facility's total output.

Load Serving Entity	Year of Contract Execution	Technology	Capacity (MW)	County / Location	Contract Term (Years) ²	COD ³
East Bay Community Energy ⁵	2019	Solar PV	125	unknown	20	2022
East Bay Community Energy ⁶	2019	Solar PV	100	Kern	15	2022
East Bay Community Energy	2019	Solar PV	100	Fresno	20	2022
East Bay Community Energy ⁷	2019	Solar PV	56	Tulare	15	2021
Lancaster Choice Energy	2019	Wind	11	Riverside	10	2021
Marin Clean Energy	2019	Solar PV	4	Marin	20	2020
Redwood Coast Energy Authority	2019	Solar PV	2	Humboldt	10	2020
Rancho Mirage Energy Authority	2019	Wind	6	Riverside	10	2021
San Jose Clean Energy ⁸	2019	Solar PV	100	Fresno	20	2022
Calpine Energy Solutions	2019	Solar PV	20	Kings	10	2020
Pacific Gas & Electric	2019	Digester gas	0.55	Fresno	20**	2019
Pacific Gas & Electric	2019	Biogas	1.018	Kern	20**	2021
Pacific Gas & Electric	2019	Biogas	3	Fresno	20**	2021
Pacific Gas & Electric	2019	Digester gas	1.028	Fresno	20**	2021
Pacific Gas & Electric	2019	Biogas	3	Colusa	20**	2021
Pacific Gas & Electric	2019	Biogas	0.99	Glenn	20**	2021
Pacific Gas & Electric	2019	Biomass	2.84	Sutter	20**	2021
San Diego Gas & Electric	2019	Digester Gas	3	San Diego	20**	2019

⁵ PV Magazine: <https://pv-magazine-usa.com/2019/09/30/solar-plus-storage-pricing-record-set-in-california/>.

⁶ *Id.*

⁷ PV Magazine: <https://pv-magazine-usa.com/2019/09/30/solar-plus-storage-pricing-record-set-in-california/>.

⁸ CalCCA: <https://cal-cca.org/san-jose-contracts-for-solar-plus-storage-project/>.

Load Serving Entity	Year of Contract Execution	Technology	Capacity (MW)	County / Location	Contract Term (Years) ²	COD ³
Monterey Bay Community Power	2018	Solar PV	88 ⁹	Kings	15	2021
Monterey Bay Community Power	2018	Solar PV	76 ¹⁰	Kern	20	2021
Marin Clean Energy	2018	Solar PV	5	Napa	20	2019
Sonoma Clean Power Authority	2018	Solar PV	50	Stanislaus	20	2023
Silicon Valley Clean Energy	2018	Solar PV	83	Kings	15	2021
Silicon Valley Clean Energy	2018	Solar PV	70	Kern	20	2021
Shell Energy North America	2018	Solar PV	100	Riverside	15	2021
Shell Energy North America	2018	Wind	100	Riverside	12	2020
CleanPowerSF	2018	Solar PV	100	Los Angeles	22	2019
CleanPowerSF	2018	Wind	47	Kern	15	2020
Monterey Bay Community Power	2018	Wind	90	Torrance, NM	15	2020
Sonoma Clean Power ¹¹	2018	Wind	80	Alameda	20	2020
Silicon Valley Clean Energy	2018	Wind	110	Torrance, NM	15	2021
Pacific Gas & Electric	2018	Digester gas	0.8	Fresno	20**	2020
Pacific Gas & Electric	2018	Digester gas	1	Kings	20**	2019
Pacific Gas & Electric	2018	Digester gas	2	Madera	15**	2019
Pacific Gas & Electric	2018	Biomass	2	Madera	20**	2019
Pacific Gas & Electric	2018	Biomass	3	Calaveras	20**	2019
Pacific Gas & Electric	2018	Biomass	2.88	Shasta	20**	2020
Pacific Gas & Electric	2018	Biomass	1	Napa	20**	2020

⁹ Monterey Bay Community Power and Silicon Valley Clean Energy executed contracts with the same utility-scale solar PV project in Kings County, each taking a portion of the facility's total output.

¹⁰ *Id.*

¹¹ Sonoma Clean Power is contracted with the Sand Hill Wind facility in Alameda County. Sand Hill Wind is an existing facility but is undergoing a repowering project whereby older turbines are being replaced with new ones and is therefore considered a project under development.

Load Serving Entity	Year of Contract Execution	Technology	Capacity (MW)	County / Location	Contract Term (Years) ²	COD ³
Pacific Gas & Electric	2018	Digester gas	1	Kings	20**	2019
Pacific Gas & Electric	2018	Digester gas	1	Kings	20**	2019
Pacific Gas & Electric	2018	Digester gas	0.8	Fresno	20**	2019
Pacific Gas & Electric	2018	Digester gas	0.8	Madera	20**	2019
Southern California Edison	2018	Biogas	1.6	San Bernardino	20**	2019
Southern California Edison	2018	Biogas	2.8	Tulare	20**	2019
Southern California Edison	2018	Solar PV	3	San Bernardino	20	2019
Southern California Edison	2018	Digester gas	0.8	Tulare	20**	2019
Southern California Edison	2018	Solar PV	106.69	Imperial	20	2019
San Diego Gas & Electric	2018	Solar PV	20	Imperial	20	2019
San Diego Gas & Electric	2018	Solar PV	2.4	San Diego	20	2020
Peninsula Clean Energy	2017	Solar PV	100	Kings	15	2019
Peninsula Clean Energy	2017	Solar PV	200	Merced	25	2019
Pacific Gas & Electric	2017	Solar PV	3	Kern	20	2019
Pacific Gas & Electric	2017	Solar PV	75	Kern	15	2021
Pacific Gas & Electric	2017	Biogas	0.85	San Luis Obispo	20**	2019
Pacific Gas & Electric	2017	Digester gas	1	Kern	20**	2018
Pacific Gas & Electric	2017	Digester gas	1	Kern	20**	2018
Pacific Gas & Electric	2017	Digester gas	1	Kern	20**	2018
Southern California Edison	2017	Biogas	1.5	Tulare	20**	2017
Southern California Edison	2017	Cogeneration	1.43	Los Angeles	10	2018
Southern California Edison	2017	Cogeneration	6.06	Kern	10	2018
Southern California Edison	2017	Cogeneration	18.9	San Bernardino	12	2022
Southern California Edison	2017	Solar PV	3	Los Angeles	20*	2018
Southern California Edison	2017	Solar PV	3	Kern	20*	2019
San Diego Gas & Electric	2017	Wind	105	La Rumorosa, Mexico	20	2021

Load Serving Entity	Year of Contract Execution	Technology	Capacity (MW)	County / Location	Contract Term (Years) ²	COD ³
Marin Clean Energy	2016	Wind	42	Kern	12	2018
Marin Clean Energy	2016	Solar PV	105	Los Angeles	20	2019
Marin Clean Energy	2016	Solar PV	160	Fresno	20	2021
Marin Clean Energy	2016	Wind	125	Merced	12	2021
Marin Clean Energy	2016	Solar PV	80	Riverside	20	2021
Southern California Edison	2016	Solar PV	128	Kings	15	2020
Southern California Edison	2016	Solar PV	20	Los Angeles	20	2019
Southern California Edison	2016	Solar PV	20	Kern	15	2019
Southern California Edison	2016	Solar PV	3	Los Angeles	20*	2018
Southern California Edison	2016	Solar PV	3	Los Angeles	20*	2018
Southern California Edison	2016	Solar PV	1.5	Los Angeles	20*	2019
Southern California Edison	2016	Solar PV	3	Los Angeles	20*	2018
Pacific Gas & Electric	2016	Solar PV	20	Kern	15	2020
Pacific Gas & Electric	2016	Solar PV	20	Kern	15	2020
Pacific Gas & Electric	2016	Solar PV	20	Kern	15	2020
Pacific Gas & Electric	2016	Solar PV	1.5	Madera	20	2018

(End of Appendix A)