

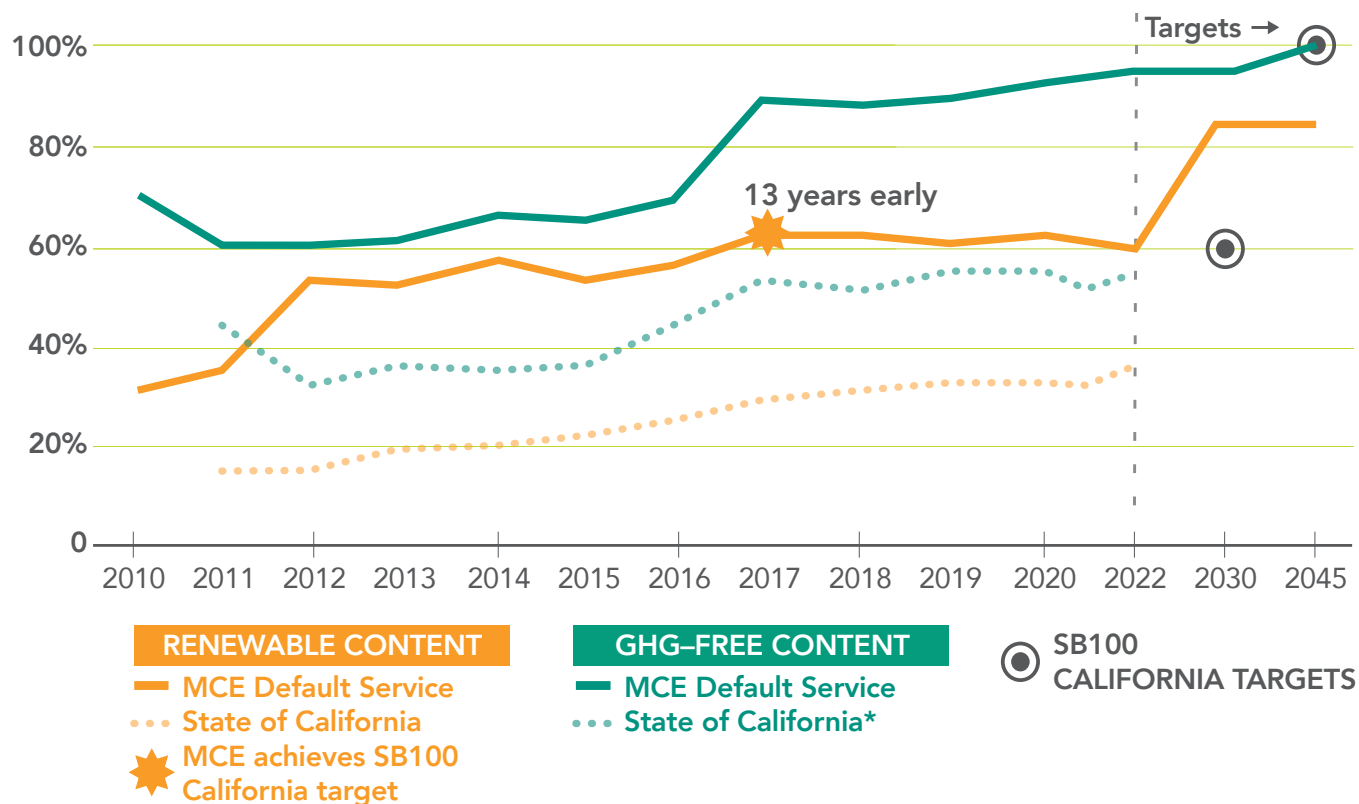
# MCE PROCUREMENT

# Facts and Figures

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## MCE trendline for renewable and GHG-free content<sup>1</sup>



\*Estimation. See MCE's 2022 Power Content Label CA Power Mix for details.

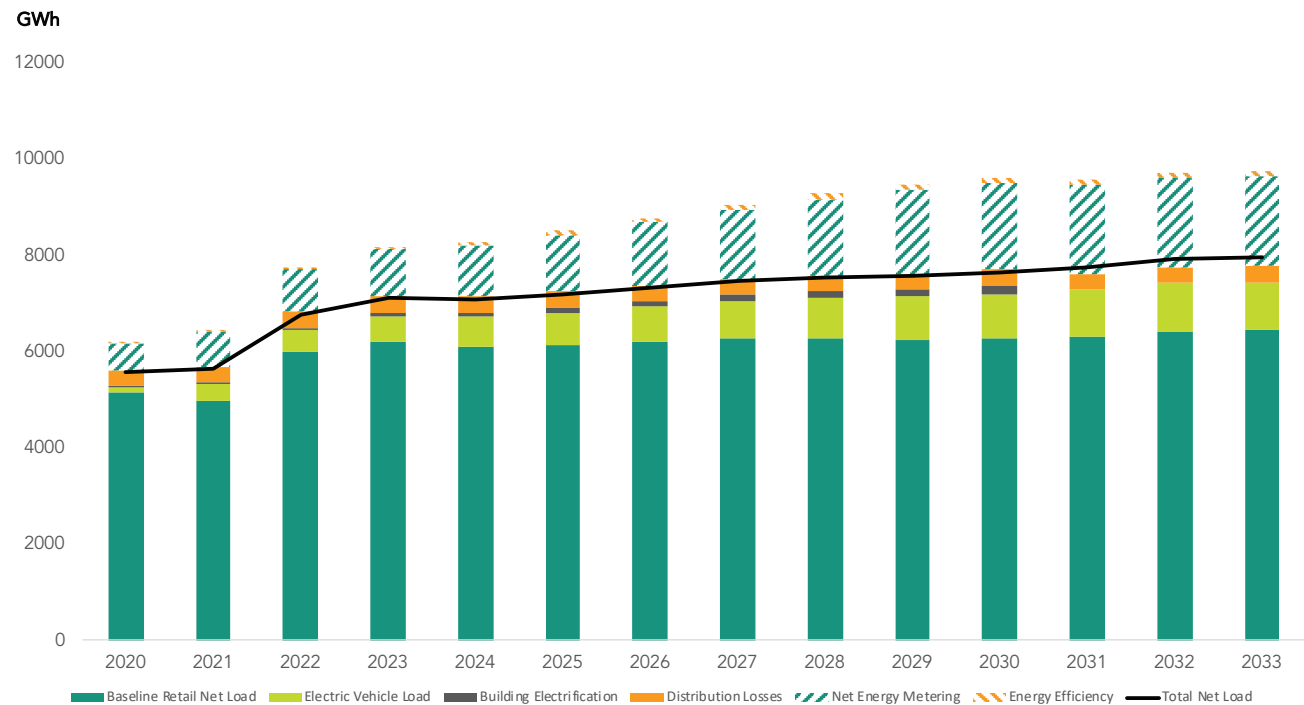
## MCE Light Green portfolio targets<sup>2</sup>

| 10-Year (%)                         | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|-------------------------------------|------|------|------|------|------|------|------|------|------|------|
| PCC 1 Renewable                     | 60%  | 60%  | 65%  | 70%  | 75%  | 80%  | 85%  | 85%  | 85%  | 85%  |
| PCC 2 Renewable                     | 0%   | 0%   | 0%   | 0%   | 0%   | 0%   | 0%   | 0%   | 0%   | 0%   |
| Large Hydro + ACS                   | 37%  | 37%  | 32%  | 27%  | 22%  | 17%  | 12%  | 12%  | 12%  | 12%  |
| Total Renewable                     | 60%  | 60%  | 65%  | 70%  | 75%  | 80%  | 85%  | 85%  | 85%  | 85%  |
| Total Renewable + Large Hydro + ACS | 97%  | 97%  | 97%  | 97%  | 97%  | 97%  | 97%  | 97%  | 97%  | 97%  |
| GHG-Free Equivalent                 | 95%  | 95%  | 95%  | 95%  | 95%  | 95%  | 95%  | 95%  | 95%  | 95%  |

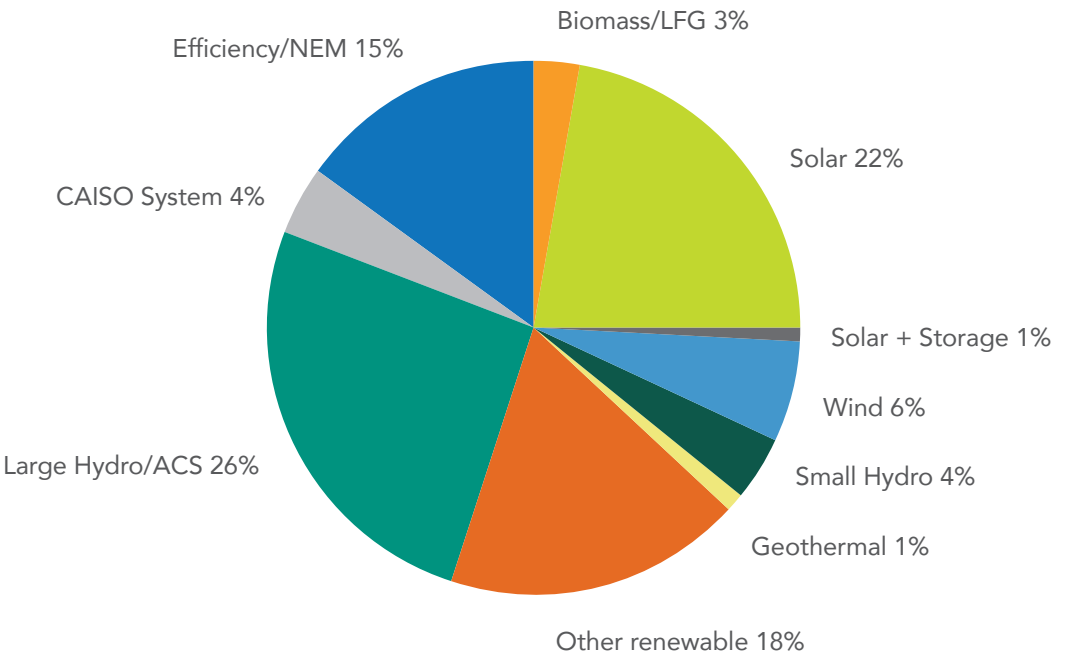
## MCE renewable energy balance, 2024–2033

|                                     | 2024   | 2025  | 2026  | 2027  | 2028  | 2029  | 2030  | 2031  | 2032  | 2033  |
|-------------------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Retail Sales (GWh)                  | 5,624  | 5,607 | 5,604 | 5,589 | 5,495 | 5,395 | 5,425 | 5,478 | 5,627 | 5,652 |
| CA RPS Compliance Requirement       | 44%    | 47%   | 49%   | 52%   | 55%   | 57%   | 60%   | 62%   | 63%   | 65%   |
| MCE Light Green RPS Target          | 60%    | 65%   | 70%   | 75%   | 80%   | 85%   | 85%   | 85%   | 85%   | 85%   |
| MCE Deep Green RPS Target           | 100%   | 100%  | 100%  | 100%  | 100%  | 100%  | 100%  | 100%  | 100%  | 200%  |
| CA RPS Compliance Requirement (GWh) | 2,475  | 2,618 | 2,763 | 2,907 | 3,006 | 3,091 | 3,255 | 3,380 | 3,567 | 3,680 |
| MCE RPS Energy Contracted (GWh)     | 3,955  | 3,129 | 3,145 | 3,564 | 3,920 | 3,905 | 3,896 | 3,741 | 3,728 | 3,385 |
| CA RPS Compliance Net Short/(Long)  | -1,480 | -510  | -382  | -658  | -914  | -814  | -641  | -361  | -161  | 294   |
| MCE (LG+DG) RPS Target (GWh)        | 3,761  | 3,985 | 4,217 | 4,439 | 4,594 | 4,735 | 4,762 | 4,808 | 4,934 | 4,955 |
| MCE RPS Energy Contracted (GWh)     | 3,955  | 3,129 | 3,145 | 3,564 | 3,920 | 3,905 | 3,896 | 3,741 | 3,728 | 3,385 |
| MCE (LG+DG) Net Short/(Long)        | -193   | 856   | 1,072 | 875   | 675   | 830   | 866   | 1,066 | 1,206 | 1,570 |

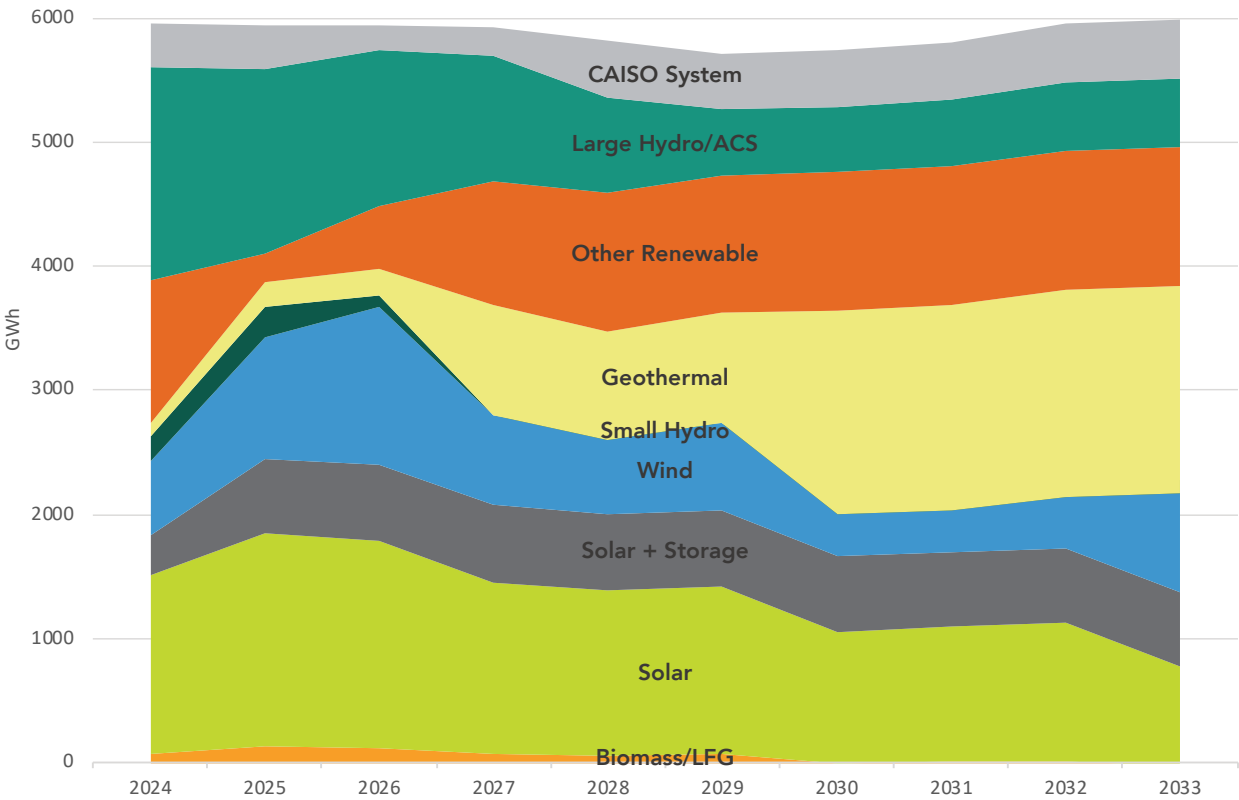
## MCE loss-adjusted load forecast, 2020–2033<sup>3</sup>



MCE 2024 estimated resource mix<sup>4</sup>



Projected MCE resource mix (GWh), 2024–2033



## MCE portfolio of resources as of 7/18/2023

| Counterparty                                              | Generation Facility              | Generation Technology           | Contract MW                  | Term      | Annual GWh | Generation Location |
|-----------------------------------------------------------|----------------------------------|---------------------------------|------------------------------|-----------|------------|---------------------|
| Renewables: Contract Terms $\geq$ 10 years                |                                  |                                 |                              |           |            |                     |
| Antelope Expansionon 2, LLC                               | Antelope Expansion II            | Solar PV                        | 105                          | 2019-2038 | 284-312    | Lancaster, CA       |
| Calpine Energy Services, L.P.                             | Geysers                          | Geothermal                      | 10                           | 2017-2026 | 88         | Sonoma, CA          |
| Calpine Energy Services, L.P.                             | Geysers                          | Geothermal                      | 7                            | 2025-2045 | 61         | Sonoma, CA          |
| Calpine Energy Services, L.P.                             | Geysers                          | Geothermal                      | 100                          | 2027-2037 | 878        | Sonoma, CA          |
| CES Electron Farm One                                     | Conflitti                        | Solar PV                        | 4.64                         | 2023-2043 | 12         | Fresno, CA          |
| Cottonwood Solar, LLC                                     | Goose Lake                       | Solar PV                        | 12                           | 2015-2040 | 29-34      | Kern, CA            |
| Cottonwood Solar, LLC                                     | Corcoran                         | Solar PV                        | 11                           | 2015-2040 | 25-30      | Kings, CA           |
| Cottonwood Solar, LLC                                     | Buck Institute                   | Solar PV                        | 1                            | 2015-2040 | 2          | Marin, CA           |
| Daggett Solar Power 3, LLC                                | Daggett                          | Solar PV + Bat-<br>tery Storage | 110 MW<br>PV + 60<br>MW BESS | 2023-2037 | 319-342    | San Bernardino, CA  |
| Desert Harvest, LLC                                       | Desert Harvest                   | Solar PV                        | 80                           | 2020-2040 | 237-262    | Riverside, CA       |
| East Bay Municipal Utility District                       | Pardee & Camanche<br>Powerhouses | Small Hydro                     | 34                           | 2015-2025 | 70         | San Joaquin, CA     |
| Genpower, LLC                                             | Lincoln Landfill                 | Landfill Gas                    | 4.8                          | 2013-2033 | 27         | Placer, CA          |
| Golden Fields Solar IV, LLC                               | Golden Fields                    | Solar PV + Bat-<br>tery Storage | 100 MW<br>PV + 92<br>MW BESS | 2025-2039 | 299-321    | Kern, CA            |
| Great Valley Solar 1, LLC                                 | Great Valley Solar 1             | Solar PV                        | 100                          | 2018-2032 | 279-290    | Fresno, CA          |
| G2 Energy, LLC                                            | Ostrom                           | Landfill Gas                    | 1.7                          | 2013-2031 | 12         | Yuba, CA            |
| G2 Energy, LLC                                            | Hay Rd                           | Landfill Gas                    | 1.4                          | 2013-2033 | 11         | Solano, CA          |
| Humboldt House Geothermal, LLC                            | Humboldt House                   | Geothermal                      | 20                           | 2025-2046 | 158        | Pershing, NV        |
| Kern and Tule Hydro LLC                                   | Kern Hydro                       | Small Hydro                     | 12                           | 2021-2035 | 57         | Kern, CA            |
| Little Bear Solar 1, LLC                                  | Little Bear 1                    | Solar PV                        | 40                           | 2020-2039 | 99-109     | Fresno, CA          |
| Little Bear Solar 3, LLC                                  | Little Bear 3                    | Solar PV                        | 20                           | 2020-2039 | 50-55      | Fresno, CA          |
| Little Bear Solar 4, LLC                                  | Little Bear 4                    | Solar PV                        | 50                           | 2020-2039 | 124-137    | Fresno, CA          |
| Little Bear Solar 5, LLC                                  | Little Bear 5                    | Solar PV                        | 50                           | 2020-2039 | 124-137    | Fresno, CA          |
| mayacma Geothermal, LLC                                   | Mayacma                          | Geothermal                      | 7                            | 2024-2045 | 58         | Lake County, CA     |
| MCE Solar One, LLC                                        | MCE Solar One                    | Solar PV                        | 11                           | 2017-2032 | 22         | Contra Costa, CA    |
| RE Mustang 4 LLC                                          | RE Mustang                       | Solar PV                        | 30                           | 2018-2032 | 79-84      | Kings, CA           |
| Strauss Wind, LLC                                         | Strauss Wind                     | Wind                            | 95                           | 2023-2038 | 300        | Santa Barbara, CA   |
| Voyager Wind III, LLC                                     | Voyager                          | Wind                            | 43                           | 2018-2030 | 138        | Kern, CA            |
| Windpower Partners 1993, LLC                              | San Gorgonio Wind                | Wind                            | 33-49.5                      | 2025-2039 | 127-190    | Riverside, CA       |
| WM Renewable Energy, LLC                                  | Redwood Landfill                 | Landfill Gas                    | 4                            | 2017-2036 | 31         | Marin, CA           |
| Renewables: Feed-In Tariff Contract Terms $\geq$ 10 years |                                  |                                 |                              |           |            |                     |
| Central Marin Sanitation Agency                           | CMSA (FIT)                       | Biogas                          | 1.0                          | 2022-2032 | 4          | Marin, CA           |
| DRES Quarry LLC                                           | Cooley Quarry 1 (FIT)            | Solar PV                        | 1                            | 2017-2037 | 3          | Marin, CA           |
| DRES Quarry LLC                                           | DRES Quarry 2.4 (FIT)            | Solar PV                        | 0.1                          | 2019-2039 | 0.3        | Marin, CA           |

| Counterparty (continued)               | Generation Facility              | Generation Technology | Contract MW          | Term      | Annual GWh | Generation Location |
|----------------------------------------|----------------------------------|-----------------------|----------------------|-----------|------------|---------------------|
| Fallon Two Rock Rd Solar Farm LLC      | Fallon Two Rock Rd (FIT)         | Solar PV              | 1                    | 2023-2043 | 2          | Marin, CA           |
| Hayworth-Fabian, LLC                   | Oakley RV and Boat Storage (FIT) | Solar PV              | 1                    | 2018-2038 | 2          | Contra Costa, CA    |
| Hayworth-Fabian, LLC                   | Oakley Phase 3                   | Solar PV              | 1                    | 2022-2042 | 2          | Contra Costa, CA    |
| Larkspur Real Estate Partnership I     | Cost-Plus (FIT)                  | Solar PV              | 0.3                  | 2016-2036 | 1          | Marin, CA           |
| Napa Jamieson Canyon, LLC              | Napa Self Storage 2 (FIT)        | Solar PV              | 0.66                 | 2023-2043 | 1          | Napa, CA            |
| Northshore Solar Partners LLC          | Freethy Industrial Park 2 (FIT)  | Solar PV              | 1                    | 2016-2036 | 2          | Contra Costa, CA    |
| Northshore Solar Partners LLC          | Freethy Industrial Park 1 (FIT)  | Solar PV              | 1                    | 2016-2036 | 2          | Contra Costa, CA    |
| Ranch Sereno Clean Power LLC           | Ranch Sereno                     | Solar PV              | 2 MW PV + .8 MW BESS | 2024-2044 | 5          | Contra Costa, CA    |
| RP Napa Solar 1, LLC                   | American Canyon Solar A (FIT)    | Solar PV              | 1                    | 2019-2039 | 3          | Napa, CA            |
| RP Napa Solar 1, LLC                   | American Canyon Solar B (FIT)    | Solar PV              | 1                    | 2019-2039 | 3          | Napa, CA            |
| RP Napa Solar 1, LLC                   | American Canyon Solar C (FIT)    | Solar PV              | 1                    | 2019-2039 | 3          | Napa, CA            |
| RP Napa Solar 2, LLC                   | Soscol Ferry C (FIT)             | Solar PV              | 1                    | 2020-2040 | 3          | Napa, CA            |
| RP Napa Solar 2, LLC                   | Soscol Ferry D (FIT)             | Solar PV              | 1                    | 2020-2040 | 3          | Napa, CA            |
| RP Napa Solar 3, LLC                   | Silveira Ranch A (FIT)           | Solar PV              | 1                    | 2021-2041 | 2          | Napa, CA            |
| RP Napa Solar 3, LLC                   | Silveira Ranch B (FIT)           | Solar PV              | 1                    | 2021-2041 | 2          | Marin, CA           |
| RP Napa Solar 3, LLC                   | Silveira Ranch C (FIT)           | Solar PV              | 1                    | 2021-2041 | 2          | Napa, CA            |
| RPCA Solar 2, LLC                      | Byron Hot Springs (FIT)          | Solar PV              | 1                    | 2023-2043 | 3          | Contra Costa, CA    |
| RPCA Solar 3, LLC                      | Byron Highway Solar (FIT)        | Solar PV              | 5                    | 2022-2042 | 14         | Contra Costa, CA    |
| RPCA Solar 4, LLC                      | Lake Herman Solar (FIT)          | Solar PV              | 5                    | 2021-2041 | 13         | Solano, CA          |
| San Rafael Airport LLC                 | San Rafael Airport 2 (FIT)       | Solar PV              | 1                    | 2020-2040 | 2          | Marin, CA           |
| San Rafael Airport LLC                 | San Rafael Airport (FIT)         | Solar PV              | 1                    | 2012-2032 | 2          | Marin, CA           |
| Small World Trading CO                 | EO Products (FIT)                | Solar PV              | 0.056                | 2018-2038 | 0.1        | Marin, CA           |
| New Build Stand Alone Energy Storage   |                                  |                       |                      |           |            |                     |
| Hecate Grid Humidor Storage 185 LLC    | N/A                              | N/A                   | 185 MW BESS          | 2024-2034 | N/A        | Los Angeles, CA     |
| Renewables: Contract Terms < 10 years  |                                  |                       |                      |           |            |                     |
| Morgan Stanley Capital Group           | Multiple                         | PCC1                  | N/A                  | 2021-2023 | 50         | CA, WA, OR, ID      |
| Morgan Stanley Capital Group           | Multiple                         | PCC1                  | N/A                  | 2021-2023 | 100        | CA, WA, OR, ID      |
| NextEra Energy Marketing, LLC          | Biomass                          | PCC1                  | N/A                  | 2023      | 155        | CA                  |
| Pacific Gas & Electric Company         | Multiple                         | PCC1                  | N/A                  | 2023-2024 | 970        | Various             |
| Pattern Energy Management Services LLC | Various Wind                     | PCC1                  | N/A                  | 2022-2023 | 300        | NM                  |

| Counterparty (continued)               | Generation Facility    | Generation Technology | Contract MW | Term      | Annual GWh | Generation Location      |
|----------------------------------------|------------------------|-----------------------|-------------|-----------|------------|--------------------------|
| Pattern Energy Management Services LLC | Wind                   | PCC1                  | N/A         | 2023-2024 | 50-300     | NM                       |
| Powerex Corp.                          | Multiple               | PCC1                  | N/A         | 2021-2023 | 50-100     | British Colombia, Canada |
| 3Phases Renewables, Inc                | Multiple               | PCC1                  | N/A         | 2023-2024 | 150        | Various                  |
| Large Hydroelectric / ACS              |                        |                       |             |           |            |                          |
| Brookfield Energy Marketing LP         | Multiple               | Large Hydro/ ACS      | 59-1,300    | 2021-2024 | 100-225    | Pacific Northwest        |
| Morgan Stanley Capital Group           | Multiple               | Large Hydro           | N/A         | 2021-2024 | 400        | MT, WA, ID               |
| Pacific Gas & Electric Company         | Multiple               | Large Hydro           | N/A         | 2023      | TBD        | CA                       |
| Powerex Corp.                          | Multiple               | Large Hydro           | N/A         | 2023-2025 | 250        | British Colombia, Canada |
| Powerex Corp.                          | Multiple               | Large Hydro/ ACS      | N/A         | 2022-2025 | 150-317    | British Colombia, Canada |
| Shell Energy North America             | Multiple               | Large Hydro           | N/A         | 2023      | 250        | WA                       |
| Shell Energy North America             | Multiple               | Large Hydro           | N/A         | 2023-2024 | 200        | CA                       |
| Shell Energy North America             | Multiple               | Large Hydro           | N/A         | 2024-2024 | 200        | CA                       |
| Tenaska Power Services Co.             | Exchequer Hydro        | Large Hydro           | N/A         | 2022-2024 | 300        | CA                       |
| Western Area Power Administration      | Central Valley Project | Large Hydro           | N/A         | 2015-2024 | 25         | CA                       |
| Western Area Power Administration      | Central Valley Project | Large Hydro           | N/A         | 2025-2054 | 25         | CA                       |
| Fixed Price Forward Contracts          |                        |                       |             |           |            |                          |
| Calpine Energy Services, L.P.          | N/A                    | N/A                   | N/A         | 2024-2025 | 30-82      | N/A                      |
| Calpine Energy Services, L.P.          | N/A                    | N/A                   | N/A         | 2023-2025 | 27-124     | N/A                      |
| Citadel Energy Marketing LLC           | N/A                    | N/A                   | N/A         | 2023-2024 | 18-123     | N/A                      |
| Direct Energy Business Marketing       | N/A                    | N/A                   | N/A         | 2024-2025 | 55-82      | N/A                      |
| Direct Energy Business Marketing       | N/A                    | N/A                   | N/A         | 2024-2026 | 96-116     | N/A                      |
| Direct Energy Business Marketing       | N/A                    | N/A                   | N/A         | 2023-2027 | 30-53      | N/A                      |
| Direct Energy Business Marketing       | N/A                    | N/A                   | N/A         | 2025      | 30         | N/A                      |
| Direct Energy Business Marketing       | N/A                    | N/A                   | N/A         | 2025      | 30         | N/A                      |
| Exelon Generation Company, LLC         | N/A                    | N/A                   | N/A         | 2023-2025 | 28-122     | N/A                      |
| Exelon Generation Company, LLC         | N/A                    | N/A                   | N/A         | 2021-2025 | 73-100     | N/A                      |
| Exelon Generation Company, LLC         | N/A                    | N/A                   | N/A         | 2021-2023 | 232-315    | N/A                      |
| Exelon Generation Company, LLC         | N/A                    | N/A                   | N/A         | 2024-2027 | 122-123    | N/A                      |
| Exelon Generation Company, LLC         | N/A                    | N/A                   | N/A         | 2023-2024 | 17-110     | N/A                      |
| Morgan Stanley Capital Group           | N/A                    | N/A                   | N/A         | 2023-2023 | 545        | N/A                      |
| Morgan Stanley Capital Group           | N/A                    | N/A                   | N/A         | 2024-2025 | 20-96      | N/A                      |
| Morgan Stanley Capital Group           | N/A                    | N/A                   | N/A         | 2022-2025 | 23-123     | N/A                      |
| Morgan Stanley Capital Group           | N/A                    | N/A                   | N/A         | 2022-2025 | 25-41      | N/A                      |
| Morgan Stanley Capital Group           | N/A                    | N/A                   | N/A         | 2023      | 2          | N/A                      |

| Counterparty (continued)          | Generation Facility | Generation Technology | Contract MW | Term      | Annual GWh | Generation Location |
|-----------------------------------|---------------------|-----------------------|-------------|-----------|------------|---------------------|
| Morgan Stanley Capital Group      | N/A                 | N/A                   | N/A         | 2023-2024 | 24-275     | N/A                 |
| Morgan Stanley Capital Group      | N/A                 | N/A                   | N/A         | 2023      | 61-97      | N/A                 |
| Morgan Stanley Capital Group      | N/A                 | N/A                   | N/A         | 2023-2025 | 15-215     | N/A                 |
| NextEra Energy Marketing, LLC     | N/A                 | N/A                   | N/A         | 2023-2023 | 621        | N/A                 |
| NextEra Energy Marketing, LLC     | N/A                 | N/A                   | N/A         | 2023-2024 | 64-96      | N/A                 |
| NextEra Energy Marketing, LLC     | N/A                 | N/A                   | N/A         | 2023-2026 | 24-38      | N/A                 |
| NextEra Energy Marketing, LLC     | N/A                 | N/A                   | N/A         | 2024-2025 | 8-15       | N/A                 |
| NextEra Energy Marketing, LLC     | N/A                 | N/A                   | N/A         | 2023-2025 | 11-35      | N/A                 |
| Shell Energy North America        | N/A                 | N/A                   | N/A         | 2020-2024 | 69-339     | N/A                 |
| Shell Energy North America        | N/A                 | N/A                   | N/A         | 2022-2025 | 96-193     | N/A                 |
| Shell Energy North America        | N/A                 | N/A                   | N/A         | 2022-2025 | 62-368     | N/A                 |
| Shell Energy North America        | N/A                 | N/A                   | N/A         | 2023-2026 | 192-463    | N/A                 |
| Shell Energy North America        | N/A                 | N/A                   | N/A         | 2025-2026 | 218-225    | N/A                 |
| Shell Energy North America        | N/A                 | N/A                   | N/A         | 2022-2026 | 49-153     | N/A                 |
| Transalta Energy Marketing (U.S.) | N/A                 | N/A                   | N/A         | 2023-2024 | 45-171     | N/A                 |
| Transalta Energy Marketing (U.S.) | N/A                 | N/A                   | N/A         | 2023-2024 | 31-193     | N/A                 |
| Transalta Energy Marketing (U.S.) | N/A                 | N/A                   | N/A         | 2023-2024 | 16-36      | N/A                 |
| Transalta Energy Marketing (U.S.) | N/A                 | N/A                   | N/A         | 2023      | 31         | N/A                 |
| Transalta Energy Marketing (U.S.) | N/A                 | N/A                   | N/A         | 2023      | 122        | N/A                 |

<sup>1</sup> As reported to the California Energy Commission via the Power Source Disclosure Program.

<sup>2</sup> Actual content percentages may differ from projections if resource availability or market conditions preclude cost-effective procurement or if annual load comes in higher or lower than expected. With respect to MCE's Light Green "GHG-Free Equivalent" metric, beginning with MCE's 2020 results, this percentage will be derived as follows: [MCE Light Green MT CO<sub>2</sub>e, per CEC Power Content Label] / [(MWh of MCE Light Green Retail Sales) x (0.428 MT CO<sub>2</sub>e/MWh)]. For reference, 0.428 MT CO<sub>2</sub>e/MWh is the emissions factor for unspecified electricity, per the California Air Resources Board.

<sup>3</sup> MCE is responsible for procuring the electricity that is lost to the distribution system. For this reason, MCE must procure toward its "loss-adjusted load," which is approximately 106% of its retail sales. MCE settles separately with the CAISO for transmission system losses.

<sup>4</sup> The estimated resource mix excludes Energy Efficiency/NEM.