BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA

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08/10/26
03:51 PM
R2506019

Order Instituting Rulemaking to Continue Oversight of Electric Integrated Resource Planning and Procurement Processes.	Rulemaking 25-06-019 (Filed June 26, 2025)

MARIN CLEAN ENERGY'S 2026 INTEGRATED RESOURCE PLAN [PUBLIC VERSION]

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August 10, 2026

Attorney for Marin Clean Energy

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In compliance with the requirements of California Public Utilities Code Sections 454.51 and 454.52, California Public Utilities Commission ("Commission") Decision ("D.") 22-02-004 and *Administrative Law Judge's Ruling Setting Requirements for Individual Integrated Resource Plans Due June 1, 2026*, issued on January 16, 2026, the *Email Ruling Granting Joint Request for Extension of Load Serving Entity ('LSE') Integrated Resource Plan ('IRP') Filings*, issued on March 9, 2026, and other rulings and guidance in the above-captioned proceeding, Marin Clean Energy ("MCE") hereby provides its 2026 Integrated Resource Plan ("IRP") to the Commission for certification.

I. IRP DOCUMENTS INCLUDED AS ATTACHMENTS TO THIS FILING

MCE is e-filing this document in the instant Rulemaking and serving it to all parties identified in this Rulemaking's service list. Attached to this Filing are the following IRP related documents:

- *Attachment A* – MCE's IRP Verification
- *Attachment B* – MCE's IRP Narrative Template (Public Version)
- *Attachment C* – MCE's Resource Data Template Version 3 (Public Version)
- *Attachment D* – MCE's Clean Power System Calculator

- *Attachment E* - MCE Board of Directors Meeting Agenda Approving IRP

- *MCE's Notice of Availability* – MCE's Notice of Availability of public versions of its IRP documents

II. REQUEST FOR CONFIDENTIAL TREATMENT OF NON-PUBLIC DOCUMENTS

MCE has developed both public (redacted) and confidential (unredacted) versions of its IRP Narrative and 8 MMT RDTv3. MCE has attached the public versions of its IRP Narrative and 8 MMT RDTv3 as part of this IRP filing and is submitting the confidential version of these documents to the Energy Division through the Commission's file transfer protocol ("FTP") site. Concurrently with the submission of this NOA, MCE is filing a Confidentiality Motion setting forth the basis for protecting the confidential information redacted from the public version of these documents

III. CONCLUSION

MCE thanks the Commission for its time and effort in the 2024-2027 IRP cycle and for its review of MCE's IRP. MCE respectfully requests that the Commission certify its IRP.

Dated: August 10, 2026

Respectfully submitted,

/s/ Justin Wynne

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On behalf of Marin Clean Energy

Attachment A
Verification

VERIFICATION

I, Vicken Kasarjian, declare the following: I am the Acting Chief Executive Officer and Chief Operating Officer of Marin Clean Energy ("MCE") and I am authorized to make this verification on behalf MCE. The statements and information in MCE's Integrated Resource Plan and all attachments thereto are true and accurate of my own knowledge, except as to matters which are therein stated on information or belief, and as to those matters, I believe them to be true.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on August 10, 2026 at San Rafael, California.

/s/ Vicken Kasarjian
Vicken Kasarjian
Acting Chief Executive Officer, and
Chief Operating Officer
For: Marin Clean Energy

Attachment B
MCE's IRP Narrative Template

(PUBLIC VERSION)

Standard LSE Plan

Marin Clean Energy
2026 INTEGRATED RESOURCE PLAN
August 10, 2026

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I. Executive Summary

a) Introduction

Description of MCE

Marin Clean Energy ("MCE") is California's first Community Choice Aggregation ("CCA") Program, a not-for-profit Joint Powers Authority ("JPA") that began service in 2010. As a load-serving entity ("LSE"), MCE provides electricity generation service to approximately 600,000 customer accounts, representing more than 1.8 million residents and businesses across four Bay Area counties.[1] MCE procures for annual retail sales of approximately 5,500 GWh and a peak load of more than 1,400 MW. MCE provides service to approximately 87% of eligible customers within its service area, which is shown in Figure 1, below. MCE is the default generation provider for any new or relocated customers therein.[2]



Figure 1: Map of MCE's Service Area

[1] MCE serves communities across Contra Costa, Marin, Napa, and Solano counties. Those communities currently receiving service include: Unincorporated Contra Costa, Marin, Napa, and Solano counties and the Cities and Towns of American Canyon, Belvedere, Benicia, Calistoga, Concord, Corte Madera, Danville, El Cerrito, Fairfax, Fairfield, Hercules, Lafayette, Larkspur, Martinez, Mill Valley, Moraga, Napa, Novato, Oakley, Pinole, Pittsburg, Pleasant Hill, Richmond, Ross, St. Helena, San Anselmo, San Pablo, San Rafael, San Ramon, Sausalito, Tiburon, Vallejo, Walnut Creek, and Yountville.

[2] MCE expanded service to the city of Hercules in April 2025. This expansion is reflected in MCE's Commission-assigned load forecast. Expansion to additional communities may occur during the planning period.

As a JPA and local government agency, MCE is governed by a 34-member Board of Directors ("Board" or "Governing Board") composed of elected representatives from MCE's member communities. MCE's Board sets the agency's policies and oversees its operations, including procurement planning. Through these representatives, MCE is controlled by and accountable to the communities MCE serves.

MCE's Mission

MCE's mission is to confront the climate crisis by eliminating fossil fuel greenhouse gas ("GHG") emissions, producing renewable energy, and creating equitable community benefits. MCE's vision is to lead California to an equitable, clean, affordable, and reliable energy economy by serving as a model for community-based renewable energy, energy efficiency, and cutting-edge clean-tech products and programs.

Consistent with Sections 366.2(a)(5) and 454.52 (b)(3), MCE's procurement is governed by MCE's Board and must be consistent with the Board-adopted policies.[3] As a mission-driven local government agency, MCE works toward the following goals:

- Reducing GHG emissions through strategic programs and energy service options, maximizing both renewable and carbon-free sources;
- Fostering equity by focusing on inclusive participation and equitable access to clean energy, programs, and benefits; and
- Strengthening energy affordability by expanding access to cost-saving programs and advocating for fair rates to lower customer costs.

Introduction to MCE's IRP

In accordance with the requirements of Sections 454.51 and 454.52, California Public Utilities Commission ("Commission") Decisions ("D.") 26-02-057, 23-02-040, 22-02-004, 21-06-035, 19-11-016, 18-02-018, and formal guidance provided by the Commission's Energy Division,[4] MCE is filing its Integrated Resource Plan ("IRP") for certification review and use in the Commission's statewide planning process. In addition to this narrative, MCE's IRP includes the following documents:

- MCE's 8 MMT Resource Data Template ("RDT"); and
- MCE's 8 MMT Clean System Power Calculator ("CSP").

[3] All subsequent code sections cited herein are references to the California Public Utilities Code unless otherwise specified.

[4] 2024-2027 IRP Cycle Events and Materials. https://www.cpuc.ca.gov/industries-and-topics/electrical-energy/electric-power-procurement/long-term-procurement-planning/2024-27-irp-cycle-events-and-materials.

As provided for in D.24-02-047 and described in Commission Guidance documents, MCE is submitting a single conforming portfolio, the Preferred Conforming Portfolio ("PCP"), which meets its proportional share of the 8 MMT by 2045 emission limit.

Projecting resource needs over the planning horizon covered by the IRP is an inexact exercise and is appropriately subject to change in terms of both amounts and type of resources needed. MCE's PCP generally includes (a) existing and operating resources that are under contract with MCE; (b) resources that MCE has contracted for, but that have not achieved commercial operation; and (c) future resources that MCE will need to procure to meet CPUC procurement orders and current Board-adopted targets over the mid- and long-term.

The future resources identified in MCE's PCP represent MCE's good-faith projection of the resource mix it will procure over the IRP planning horizon based on currently available information. The resource mix that MCE identifies in future IRP iterations, and the resources MCE ultimately procures over the planning horizon, may differ from those included in MCE's PCP as a result of several dynamic factors including the iterative nature of the IRP process, evolving market conditions, MCE Board policy, and state and federal policy changes. However, MCE remains committed to procuring a diverse resource mix that effectively balances affordability and reliability needs, while simultaneously minimizing the reliance on GHG-emitting resources for energy and capacity.

MCE's Preferred Conforming Portfolio

MCE's PCP was approved by MCE's governing Board on July 16, 2026 and is being provided to the Commission for certification consistent with Section 454.52(b)(3).

MCE's PCP is described in detail below and is represented in MCE's RDT, version 3, for the 8 MMT Conforming Portfolio. MCE's PCP has been approved by MCE's Chief Executive Officer and Governing Board as: (a) reflective of MCE's actual planned procurement as of July 16, 2026 (*i.e.* the date MCE's PCP was approved by MCE's Governing Board) ; (b) consistent with MCE's statutory obligations; (c) consistent with the Commission's IRP framework and guidelines, including the Preferred System Plan ("PSP"); (d) consistent with the Commission's reliability requirements; and (c) consistent with MCE's current internal procurement plans and policies. MCE's PCP comes in under its assigned portion of the 8 MMT system emissions targets.

Request for Certification

MCE respectfully requests that the Commission certify MCE's 2026 IRP.

As both the Legislature and the Commission have recognized, the Legislature has granted CCAs broad authority to procure resources on their customers' behalf, an authority limited only where "other generation procurement arrangements have been expressly authorized by statute."[5] The Commission has also recognized that the Legislature has granted CCAs autonomy in setting their own rates and managing interactions with their customers.[6] As such, the Commission has three primary interests in the CCA IRP process:

- Ensuring that CCA IRPs provide the CCA procurement information that the Commission needs to develop its statewide plan;[7]
- Ensuring that CCAs' current and planned procurement is consistent with the resource adequacy ("RA") requirements established pursuant to Section 380;[8] and
- Ensuring that each CCA contributes to grid reliability and GHG emissions reductions through the procurement of long-term renewable integration resources.[9]

MCE prepared its IRP with these interests in mind and appreciates the Commission's recognition of CCA procurement autonomy and the benefits of a collaborative approach in its certification of MCE's IRP.

b) Summary of Findings

This narrative provides a detailed description of: (a) the development and content of MCE's PCP; (b) the PCP's compliance with applicable requirements; and (c) an Action Plan detailing MCE's planned next steps to implementing its plan. MCE developed its IRP through the following steps:

1. MCE compiled data for its existing energy-only contracts, bundled energy and capacity contracts, RA capacity contracts, and its share of capacity for allocated Cost Allocation

[5] Section 366.2(a)(5).

[6] D.05-12-041 at 5 ("Nothing in the statute directs the CPUC to regulate the CCA's program except to the extent that its programs may affect utility operations and the rates and services to other customers. For example, the statute does not require the CPUC to set CCA rates or regulate the quality of its services."); D.19-04-040 at 18 ("[T]he Commission does not approve CCA or ESP rates.").

[7] D.19-04-040 at 17-18 ("The Commission's portfolio aggregation and evaluation process, which relies of fulfillment of IRP filing requirements by LSEs, is the only process capable of assessing the overall needs of the CAISO grid and meeting the statewide GHG, reliability, and least-cost goals collectively. While LSEs may use their IRP process to meet local planning needs as well, the statewide planning function is the statutorily required process.

[8] Section 454.52(b)(3)(C).

[9] Section 454.51.

Mechanism ("CAM") and Demand Response resources and energy from hydro-electric and nuclear allocations;

2. For each IRP planning year, MCE identified its short positions relative to MCE's planning targets in relation to its assigned load forecast;
3. MCE populated the RDT with all current contracts;
4. MCE identified future contracts it expects for new geothermal, battery storage, solar, and wind generation. MCE prioritized the selection of future resources to ensure that MCE's overall portfolio of new resources: 1) is varied; 2) is feasible in terms of resource availability; 3) meets all regulatory requirements as well as MCE's Board adopted policies; and 4) is estimated to minimize upward pressure on customer rates;
5. MCE added generic future contracts with existing resources, including solar, wind and large hydroelectric generators, to help fill its remaining open positions;
6. MCE used the Commission's CSP calculator to check the GHG emissions associated with the resulting portfolio to ensure that these emissions are lower than MCE's assigned emissions benchmark;
7. MCE identified the resulting portfolio as its PCP; and
8. MCE checked its PCP for reliability by comparing the total portfolio Net Qualifying Capacity ("NQC") against MCE's forecast RA requirements for the month of September in each year of the planning period.

MCE reached the following findings regarding its PCP:

- Through its PCP, MCE plans to bring online the following new resources and nameplate capacities over the course of the planning horizon:
    - New wind resources totaling 801 MW;[10]
    - New geothermal resources totaling 96 MW;
    - New solar resources totaling 1,624 MW;
    - New grid connected battery storage of 803.5 MW; and
    - New long-duration storage[11] of 1,201.7 MW.
- MCE's PCP provides for the following overall resource mix in 2045:
    - Large hydro-electric of 500 GWh;
    - Geothermal of 1,617 GWh;
    - California wind of 627 GWh;
    - Out-of-state wind of 1,695 GWh;
    - California solar of 4,446 GWh;
    - Hybrid solar and storage of 254 GWh; and
    - Standalone battery storage of -538 net GWh (capacity x duration).

[10] This 801 MW of new wind resources consists of 256 MW in-state and 545 MW out-of-state wind.

[11] MCE is currently interested in long-duration storage resources with at least 8 hours of duration at full capacity.

- MCE's PCP would have GHG emissions of 0.35 MMT, 0.27 MMT, 0.20 MMT, and 0.14 MMT in 2030, 2035, 2040, and 2045, respectively. These emissions are lower than MCE's assigned GHG benchmarks for those years.
- MCE's PCP meets all Commission-provided reliability metrics.
- MCE's PCP is consistent with the Commission's System Reference Plan and can be used in an 8 MMT (2045) consolidated statewide portfolio.

MCE has selected its PCP as it meets all applicable regulatory requirements and appropriately balances MCE Board directives, MCE's program goals, cost constraints, reliability, GHG emissions limits, and customer rate impacts. Specifically, the PCP adheres to the current MCE Board policy to achieve 85% renewable energy content for its Light Green offering by 2035[12] and minimize GHG emissions through use of a combination of renewable energy and other low carbon energy sources. MCE further notes that the internal Renewable Procurement Standard ("RPS") targets reflected in its PCP represent RPS procurement above the required state minimums, and these targets are subject to change pending future direction from MCE's Board of Directors. If MCE's internal RPS targets are materially revised by the Board, those changes will be reflected in MCE's future procurement-related filings including its IRP, biannual MTR filings, and RPS Procurement Plans.

To implement its PCP, MCE is adopting the Action Plan described in Section IV, below. This Action Plan includes the following steps:

- MCE will conduct an annual "Open Season" Request for Offers ("RFO") process to solicit offers for new renewable generation and storage projects. These resources are typically secured through long-term PPAs. MCE expects to secure PPAs for new projects in each open season conducted over the next several years.
- MCE will, throughout the year, solicit offers for (i) short-term renewable energy, (ii) large hydro-electric and Asset Controlling Supply ("ACS"), (iii) RA, and (iv) load-hedging products needed to balance the portfolio and adhere to risk limits established through MCE's risk management policy and practices.[13] These solicitations can take the form of formal RFO processes, bilateral discussions, and transactions arranged through broker markets.

[12] This assumes a certain amount of curtailment as dictated by the CSP. Without the curtailments assigned by the CSP calculator, MCE's renewable generation would be approximately 93%. To account for curtailment, MCE uses short-term contracts to balance its portfolio and meet its goals and obligations. This ensures that unrealized or curtailed generation is accounted for.

[13] MCE Risk Management Policy. https://mcecleanenergy.org/wp-content/uploads/2022/01/Policy_015_MCE_Risk_Management_Policy.pdf.

- MCE will continue to explore the development and offering of customer programs that shed load, including aggregated load shift from business and residential customers.
- MCE will provide an annual update to its Board of Directors (or delegated subcommittee) on its progress towards its procurement plan outlined in this IRP.

II. Study Design

a) Objectives

MCE had the following objectives in performing the analytical work to develop its PCP and IRP:

- Identify a portfolio that meets MCE's goals for renewable energy utilization and GHG emission minimization and that has GHG emissions no greater than MCE's proportional share of the 8 MMT 2045 GHG Emissions Benchmark, as determined using the CSP calculator;
- Identify a portfolio that achieves economic, reliability, environmental, security, and other benefits and performance characteristics that are consistent with the goals set forth in Section 454.52(a)(1) (A-I);
- Identify a diverse and balanced portfolio that includes both short-term and long-term electricity and demand reduction and management products;
- Identify a portfolio that achieves the RA requirements established pursuant to Section 380 and fully provides MCE's share of system reliability and renewable integration resources;
- Identify a portfolio that fully complies with all MCE Board-adopted procurement directives;
- Identify portfolios that are fully compliant with MCE's obligations under the RPS program; and
- Identify portfolios that are cost-effective and minimize rate impacts on MCE's customers.

b) Methodology

i. Modeling Tool(s)

In developing its PCP, MCE used modeling tools that quantify portfolio targets for renewable energy content, capacity, and portfolio GHG emissions, as well as physical and financial positions to ensure adherence to MCE's risk management policies and business practices. MCE uses proprietary models to assess annual, monthly, and hourly open positions taking into account forecasted hourly electric loads and expected deliveries from MCE's resource portfolio.

Following that, SERVM/RESOLVE[14] planning assumptions were incorporated into the models to specify a mix of planned resources, including considerations relating to the timing of resource acquisition, the type of resources acquired, and the assumed mix of procurement of new and existing resources. The RDTv3 and CSP templates were used to test the portfolio for reliability and GHG emissions. MCE uses a proprietary financial model to project power supply costs and incorporate existing and planned procurement into an overall financial assessment of revenues, costs, and cash flows. MCE also utilizes a commercially available energy trading and risk management system to monitor positions, market exposure, credit exposure, value-at-risk, and other risk management metrics.[15]

For new resource selection where specific projects have not yet been identified in MCE's procurement process, MCE relied upon the modeling and assumptions in RESOLVE as well as MCE's recent procurement experience. Both provide insight into resource availability and cost. MCE considered resource cost and portfolio fit (*i.e.*, how new resources would complement existing portfolio resources to reliably serve MCE's load shape, while minimizing GHG emissions) when selecting new resources.
Portfolio GHG emissions were assessed using the Commission's CSP calculator.

ii. Modeling Approach

The modeling approach was to identify a portfolio of resources that meets the objectives outlined above and that considers resource availability under the assumption that other LSEs would procure in a manner generally consistent with the 2025-2026 Transmission Planning Process (TPP) Portfolio with updates. MCE utilized the 2025 Inputs and Assumptions documentation for information on expected cost and availability of new candidate resources and used this information along with its own market insights to guide selection of technology types and timing of procurement for the new resources in the portfolio. As part of this process, MCE adhered to the guiding principles listed below when evaluating alternative modelling strategies and assumptions:

- Mission & Board Policy: Meet Board-approved renewable procurement and emissions targets and comply with all Board-adopted procurement directives;
- Regulatory Compliance: Comply with CPUC procurement-related rules and regulations, including procurement orders and RA;

[14] The Strategic Energy & Risk Valuation Model (SERVM) and the Renewable Integration Solutions model (RESOLVE) are energy planning models used by the CPUC to evaluate resource adequacy, renewable integration, and long-term planning of California's energy system.

[15] Hitachi Energy TRMTracker.

- Affordability: Build a portfolio that ensures stable and affordable rates for MCE customers;
- Risk Management: Incorporate contract terms and lengths and procurement timelines to minimize market risk impacts on MCE customers;
- Technology Diversity: Invest in a diverse portfolio of clean technology types; and
- Clean Reliability: Progress towards a cleaner RA portfolio.

Load Forecast

MCE developed its IRP using its assigned load forecast pursuant to the January 16, 2026, *Administrative Law Judge's Ruling Setting Requirements for Individual Integrated Resource Plans Due August 10, 2026* ("Load Forecast Ruling"). MCE's assigned load forecast used in this IRP is as follows:

Table 1: MCE's 2023-2045 Assigned Load Forecast

Year	Load Forecast (GWh)
2026	5,847.22
2027	5,946.03
2028	5,989.68
2029	6,153.29
2030	6,361.61
2031	6,568.83
2032	6,792.68
2033	7,056.61
2034	7,329.52
2035	7,600.09
2036	7,822.10
2037	8,022.20
2038	8,201.54
2039	8,361.32
2040	8,507.80
2041	8,632.92
2042	8,750.88
2043	8,852.85
2044	8,926.14
2045	8,980.29

Load Shape

In developing its PCP, MCE used the default load shape from the CSP calculator. The use of this load shape does not change MCE's total annual energy volumes for both load and load modifiers, and these energy volumes remain consistent with MCE's assigned load forecast.

Compiling Existing Resources

To populate its baseline resource templates, MCE added existing resources from the following sources:

- MCE's existing energy contracts;
- MCE's existing capacity (RA) contracts;
- MCE's assigned share of capacity for CAM[16] and Demand Response resources; and
- Expected and assumed allocations of GHG-free energy from the Pacific Gas & Electric Company ("PG&E") portfolio.

Contracts using existing resources are a combination of those currently under contract (existing contracts) and potential future contracts (planned contracts). Reliance on planned purchases of existing resources was constrained to 19.7% of the energy portfolio on an annual basis in recognition of the need that significant development of new resources will be necessary to meet the State's GHG reduction goals and that contracting opportunities with existing resources may become increasingly scarce.

Selecting New Resources

To identify its new resource procurement opportunities, MCE first determined the new resource capacity it intends to add each year and considered candidate resources based on assessments of availability, cost, and portfolio fit. Planned purchases were dispersed across all years in the planning period, although actual procurement throughout the planning horizon will likely deviate from this exact timeline.

A variety of factors were considered in determining the size and composition of the new resource procurement additions reflected in MCE's PCP plan. These factors include resource need (i.e., open positions relative to planning targets), RPS standards including long-term renewable contracting requirements, RA requirements, the need for incremental RA capacity to contribute to system reliability and renewable integration needs (e.g., incremental procurement orders) balanced with a desire to reduce reliance on natural gas for capacity over time, the potential for technological improvements over time, cost/customer impacts, and risk considerations.

[16] MCE is assigned a share of capacity for CAM resources that PG&E is required to procure for reliability purposes on behalf of all customers, and the cost is shared across those customers.

MCE assessed resource availability based on the CPUC's planning assumptions and inputs and used this information to help guide the timing of procurement of various generation resource types. The CPUC's RESOLVE modeling helped guide MCE's selection of new resource types, as did its experience with competitive solicitations for new renewable and storage and RA resources.

Confirming Reliability

MCE's PCP was evaluated to ensure that sufficient dependable capacity (NQC) is available to meet peak load requirements plus the planning reserve margin ("PRM") as required by the RA program. Portfolio reliability was evaluated using forward-looking Effective Load Carrying Capacity ("ELCC") factors provided by the Commission for each resource type to assess the total NQC of the portfolio relative to MCE's reliability requirements. This approach ensures MCE's PCP addresses the expected changes to ELCC factors and NQC of its planned resources and contributes to grid reliability commensurate with its share of system reliability needs.

MCE notes that the ELCCs for battery storage resources degrade precipitously during the planning period, which means that battery resources will provide less NQC per MW of nameplate capacity. In order to ensure that its portfolio met the reliability requirements in each year of the planning period, MCE added sufficient short-term RA capacity as needed to supplement capacity from its long-term portfolio. As part of this assessment, MCE also accounted for the charging sufficiency needs of the planned battery storage resources throughout the planning period. MCE's PCP was designed to ensure that current incremental RA capacity obligations are met, and that MCE contributes to new resource development to address fossil fuel retirements.

Calculating GHG Emissions

MCE calculated the emissions associated with its PCP using the Commission's CSP calculator. The assigned load forecast, default load shapes, and behind-the-meter adjustments were used for this assessment, along with the planned supply portfolio. MCE used standard resource profiles from the Clean System Power calculator. The resulting emissions in each year were checked against the assigned GHG benchmarks. MCE's PCP results in 2030 emissions of 0.35 MMT, 2035 emissions of 0.27 MMT, 2040 emissions of 0.20 MMT, and 2045 emissions of 0.14 MMT.

iii. Alternative Assumptions

MCE used pricing data gathered from its own solicitation results for geothermal and wind resources in addition to applying a price escalation factor to model and demonstrate potential portfolio costs and bill impacts of MCE's PCP.

III. Study Results

a) Conforming Portfolio

Pursuant to Commission direction,[17] MCE is submitting a Conforming Portfolio that meets MCE's share of the assigned GHG targets for years 2030, 2035, 2040, and 2045. MCE is not presenting Alternative Portfolios.

To meet MCE's projected 2045 energy demand, MCE has selected a Conforming Portfolio composed of the resources below. This list is consistent with the definitions of existing and new resources as provided in the RDT:

- Solar, contracted and online: 12 GWh
- Solar, planned existing: 341 GWh
- Solar, planned new: 4,093 GWh
- Hybrid, contracted in development: 254 GWh
- Wind, contracted in development: 223 GWh
- Wind, planned existing: 85 GWh
- Wind, CA, planned new: 319 GWh
- Wind, New Mexico, planned new: 1,193 GWh
- Wind, Wyoming, planned new; 502 GWh
- Large Hydro, planned existing: 500 GWh
- Geothermal, planned existing: 876 GWh
- Geothermal, contracted in development: 158 GWh
- Geothermal, planned new: 583 GWh
- Battery storage: 10,640 MWh dispatch capability

Additionally, MCE's PCP includes capacity-only resources composed primarily of the following resources:

- Cost Allocation Mechanism (CAM) capacity resources: 370 MW

[17] Administrative Law Judge's Ruling Setting Requirements for Individual Integrated Resources Plans Due June 1, 2026. January 16, 2026. https://docs.cpuc.ca.gov/PublishedDocs/Efile/G000/M595/K085/595085015.PDF.

- Planned existing natural gas annual average: 522 MW
    - Detailed annual planned procurement of natural gas is shown in rows 143 through 162 of MCE's RDT.

MCE's portfolio includes a mix of existing and new resources, with production from new resources making up approximately 84% of energy supply by 2045. MCE's PCP is comprised of a diverse mix of generation resources selected to minimize upward pressure on MCE customer rates while still achieving the State's GHG-reduction targets and reliability requirements.

Table 2: Resources in MCE's PCP (2026-2045)

Resource Category	Under Development	Online	Planned Existing	Planned New	Total
Battery Storage (MWh Energy Capacity)		-	-	10,640	10,640
Geothermal (GWh)	158	-	876	583	1,617
Hybrid or Paired Solar and Battery (GWh)	254	-	-	-	254
Large Hydro (GWh)	-	500	0	-	500
Solar California (GWh)	0	12	341	4,093	4,446
Wind California (GWh)	223-	-	85	319	627

Wind New Mexico (GWh)	-	-	-	1,193	1,193
Wind Wyoming (GWh)				502	502

MCE's PCP is Consistent with the 2025-2026 TPP Portfolio. The new resources included in MCE's PCP are consistent with the 2025-2026 TPP Portfolio new resource mix as demonstrated in Table 3.

Table 3: Summary of MCE's Share of TPP Resources

Resource Category	TPP Portfolio (MW)	MCE's Proportional Share of TPP New Resources (MW)	MCE's PCP (MW)
Geothermal	3,230	93	96
Geothermal (Enhanced)	674	19	0
Biomass	12	0	0
In-State Wind	10,949	315	256
Out-of-State Wind	19,036	548	545
Offshore Wind	-	0	0
Solar	82,732	2,381	1,624
Li-ion Battery (4-hr)	6,758	195	803.5
Li-ion Battery (8-hr)	21,102	607	1201.7
Location Constrained Storage (12-hr)	8,499	245	0

Overall, Table 3 shows that MCE's PCP is broadly consistent with MCE's proportional share of the TPP new-resource build, with the same core technology set (solar, wind, storage, and geothermal) providing the bulk of new supply. The primary differences are in the composition of that build:

- MCE's PCP carries less solar than the proportional TPP share (1,624 MW versus 2,381 MW in the TPP);

- MCE's PCP relies materially more on battery storage—particularly longer-duration (8-hour) storage—than the proportional share (combined 4- and 8-hour PCP total of 2,005 MW versus 802 MW proportional) to meet long duration storage procurement requirements and remain in alignment with the System Reference Plan. Pairing the battery storage with generating resources provides a better fit with MCE's portfolio needs and is in alignment with the resources that have been available in recently run solicitations.;
- MCE's PCP includes less in-state wind than the proportional share (256 MW versus 315 MW), while remaining essentially at proportional levels for out-of-state wind (545 MW versus 548 MW); and
- MCE's PCP also does not assume Enhanced Geothermal (0 MW versus a small proportional share of 19 MW) and does not include the location-constrained 12-hour storage category included in the TPP (0 MW versus 245 MW proportional) due to uncertain cost and availability considerations for these technology types. In addition, MCE has not observed any offers through its solicitations or bilateral offers yet. However, should this change MCE plans to include the above technologies in its future IRP PCPs.
- MCE's PCP does not include offshore wind at this time due to current policy direction that has created uncertainty on viability and development timelines. MCE will continue to monitor key indicators of project viability, including port construction, funding availability, and supportive policies, that could signal greater development potential in the future.

Taken together, these differences reflect MCE's emphasis on resources that best match its expected net-load profile and reliability needs as well as resource availability, while maintaining overall alignment with the statewide planning direction reflected in the TPP.

The contracted and planned resources for MCE's PCP are summarized as follows:

- **Daggett_Solar_Generic** — Clearway Energy Group, solar (1-axis tracking) paired with battery storage, (San Bernardino County), online, 2023–2038.
- **Strauss_PCC1_MCE** — BayWa r.e., new wind (PG&E), Santa Barbara County, online, 2023–2038.
- **Golden_Fields_Solar_Generic** — Clearway Energy Group, solar (1-axis tracking) paired with battery storage, (Kern County), online, 2025–2040.
- **Cormorant_Storage_MCE** — Arevon, new generic battery storage, San Mateo County, in development, 2027–2042.
- **Key_Storage_LD_MCE** — NextEra Energy, new generic battery storage, Fresno County, in development, 2027–2042.

- **Corby_Storage_MCE** — NextEra Energy, new generic battery storage, Solano County, in development, 2027–2042.
- **Humboldt House_PCC1_MCE** — Humboldt House, new generic geothermal, Nevada, in development, 2028–2049.
- **Allium_PCC1_MCE** — Longroad, new generic solar 1axis, San Benito County, in development, 2031–2051.



- **Roccasecca_Storage_MCE** — DESRI, new generic battery storage, Nevada, in development, 2027–2042.
- **Mulqueeney_Wind_PCC1_MCE** — New generic wind CA, Alameda County, in development, 2028–2048 (COD 2027).
- **Desert Harvest_MCE** — Baseline solar (1-axis tracking), Riverside County, online, 2020–2040.
- **Antelope 2_MCE** — AES, baseline solar, Los Angeles County, online, 2019–2038.
- **Corcoran_MCE** — Onward, baseline solar, Kings County, online, 2015–2040.
- **Goose Lake_MCE** — Onward, baseline solar, Kern County, online, 2015–2040.
- **Great Valley_MCE** — RWE, baseline solar, Fresno County, online, 2018–2032.
- **Hay_MCE** — G2 Energy, Biomass, Solano County, online, 2018–2033.
- **Kern Tule_PCC1_1_LT_MCE** — Sorenson, Small Hydro, Kern County, online, 2021–2035.
- **Lincoln_MCE** — GenPower, Biomass, Placer County, online, 2013–2033.
- **Little Bear 1_MCE** — Longroad, baseline solar, Fresno County, online, 2020–2039.
- **Little Bear 3_MCE** — Longroad, baseline solar, Fresno County, online, 2020–2039.
- **Little Bear 4_MCE** — Longroad, baseline solar, Fresno County, online, 2020–2039.
- **Little Bear 5_MCE** — Longroad, baseline solar, Fresno County, online, 2020–2039.
- **MCE Solar 1_2.0_MCE** — AES, baseline solar, Contra Costa County, online, 2017–2032.
- **MCE Solar 1_8.5_MCE** — AES, baseline solar, Contra Costa County, online, 2017–2032.
- **Mustang_MCE** —MN8, baseline solar, Kings County, online, 2018–2032.
- **Ostrom_MCE** — G2 Energy, Biomass, Yuba County, online, 2013–2031.
- **Geysers_MCE** — Calpine, Geothermal, Lake County, online, 2017–2026.

- **Voyager II_MCE** — Terra Gen, baseline wind, Kern County, online, 2018–2030.
- **Windpower_PCC1_1_LT_MCE_Update** — NextEra, baseline wind, Riverside County, online, 2025–2039.
- **Redwood Landfill_MCE** — WM Renewable Energy, Biogas, Marin County, online, 2017–2037.
- **Geysers_PCC1_2_LT_MCE** — Calpine, existing generic geothermal, Sonoma County, online, 2025–2045.
- **Buena Vista_PCC1_1_MCE** — Leeward, new generic wind CA, Contra Costa County, in development, 2028–2035.
- **Buck_MCE** — EDF Renewables, existing generic solar fixed, Marin County, online, 2018–2040.
- **SR Airport_MCE** — San Rafael Airport, existing generic solar fixed, Marin County, online, 2012–2032.
- **SR Airport 2_MCE** — San Rafael Airport, existing generic solar fixed, Marin County, online, 2020–2040.
- **Cooley I_MCE** — Rep Energy, existing generic solar fixed, Marin County, online, 2017–2037.
- **Cost Plus_MCE** — Bayway RE, existing generic solar fixed, Marin County, online, 2016–2036.
- **Freethy 1_MCE** — Northshore Solar Partners LLC, existing generic solar fixed, Marin County, online, 2016–2036.
- **Freethy 2_MCE** — Northshore Solar Partners LLC, existing generic solar fixed, Marin County, online, 2016–2036.
- **Cooley_DRES Quarry 2.4_MCE** — DRES Quarry, LLC, existing generic solar fixed, Marin County, online, 2017–2037.
- **Oakley RV & Boat Storage_MCE** — California Solar Innovators Inc dba Calsolar, existing generic solar fixed, Contra Costa County, online, 2018–2038.
- **Soscal Ferry Solar C_MCE** — Renewable Properties LLC, existing generic solar fixed, Napa County, online, 2020–2040.
- **Soscal Ferry Solar D_MCE** — Renewable Properties LLC, existing generic solar fixed, Napa County, online, 2020–2040.
- **American Canyon Solar A_MCE** — Renewable Properties LLC, existing generic solar fixed, Solano County, online, 2019–2039.
- **American Canyon Solar B_MCE** — Renewable Properties LLC, existing generic solar fixed, Solano County, online, 2019–2039.
- **American Canyon Solar C_MCE** — Renewable Properties LLC, existing generic solar fixed, Solano County, online, 2019–2039.

- **Silveira Ranch A_MCE** — Renewable Properties LLC, existing generic solar fixed, Marin County, online, 2021–2041.
- **Silveira Ranch B_MCE** — Renewable Properties LLC, existing generic solar fixed, Marin County, online, 2021–2041.
- **Silveira Ranch C_MCE** — Renewable Properties LLC, existing generic solar fixed, Marin County, online, 2021–2041.
- **Lake Herman_PCC1_1_LT_MCE** — Renewable Properties LLC, baseline solar (fixed-tilt), Solano County, online, 2021–2041.
- **EO Products_MCE** — Small World Trading Co, existing generic solar fixed, Marin County, online, 2018–2038.
- **Byron Hot Springs_PCC1_2_LT_MCE** — Existing generic solar fixed, Contra Costa County, online, 2023–2043.
- **Oakley Phase 3_PCC1_1_LT_MCE** — Existing generic solar fixed, Contra Costa County, online, 2022–2042.
- **Byron Highway_PCC1_1_LT_MCE** — Existing generic solar fixed, Contra Costa County, online, 2022–2042.
- **Fallon_PCC1_1_LT_MCE** — Existing generic solar fixed, Sonoma County, online, 2023–2043.
- **Napa Self Storage_PCC1_1_LT_MCE** — Existing generic solar fixed, Napa County, online, 2023–2043.
- **CMSA_Updated_PCC1_2_LT_MCE** — Existing generic biogas landfill gas, Marin County, online, 2022–2032.
- **26SB 8me_PCC1_1_MCE** — Existing generic solar fixed, Kern County, online, calendar year 2027.
- **TEA_PCC1_4_MCE** — Existing generic solar fixed, Kern County, online, 2025–2026.
- **TEA_PCC1_13_MCE** — Existing generic wind, Fresno County, online, calendar year 2026.
- **BP_PCC1_1_MCE** — Existing generic solar fixed, Fresno County, online, 2025–2026.
- **Townsite_PCC1_1_MCE** — Arevon, distributed solar, Nevada, online, 2025–2027.
- **SDG&E_PCC1_1_MCE** — Existing generic wind, Kern County, online, calendar year 2026.
- **ARICA_PCC1_1_MCE** — Existing generic solar fixed, Riverside County, online, 2024–2026.
- **GPC_PCC1_1_LT_MCE** — Calpine, existing generic geothermal, North Coast/North Bay, online, 2027–2037.



[redacted]

- **RESI_RA_2_NS_MCE** — Resi Station, LLC, existing generic DR, California, online, 2023–2032.
- **Midway_RA_1_NSF_MCE** — Midway Sunset Cogeneration Company, Kern County, online, [redacted]
- **Sunrise Power_RA_1_SSF_MCE** — Sunrise Power Company, LLC, Kern County, online, [redacted]
- **SEMPRA_RA_4_SS_MCE** — Sempra Gas & Power Marketing, LLC, online, [redacted]
- **SENTINEL_RA_1_LF_MCE** — DGC Management, LLC, Riverside County, online, [redacted]
- **Indigo_RA_1_SS_MCE** — DGC Management, LLC, Los Angeles County, online, calendar year [redacted]
- **Watson_RA_1_SS_MCE** — Marathon Petroleum, Los Angeles County, online, calendar year [redacted]
- **Conflitti Jr_PCC1_DAC_1_LT_MCE** — White Pine Renewable, existing generic solar fixed, (Fresno County), online, 2026–2046.
- **Conflitti_PCC1_DAC_2_LT_MCE** — White Pine Renewable, baseline solar, Fresno County, online, 2026–2046.
- **CES Electron Farm_RA_1_NS_MCE** — White Pine Renewable, baseline solar, Fresno County, online, 2026–2046.
- **WAPA_BR_2_MCE** — Existing generic instate large hydro, California, online, 2025–2054.

[redacted]

- **SENA_CF_16_MCE** — Shell, existing generic instate large hydro, Siskiyou County, online, 2025–2027.
- **CONSTEL_ACS_1_MCE** — Constellation, existing generic NW hydro, Oregon, online, 2026–2027.
- **PG&E_Hydro_7_MCE** — Pacific Gas and Electric Company, existing generic instate large hydro, Plumas County, online, calendar year 2026.
- **PG&E_Hydro_8_MCE_Allocation** — Pacific Gas and Electric Company, existing generic instate large hydro, (Plumas County), online, 2026–2045.

- **PG&E_Nuke_2_MCE_Allocation** — Pacific Gas and Electric Company, existing generic nuclear, (Plumas County), online, 2026–2030.
- **SENA_CF_17_MCE** — Shell, existing generic instate large hydro, Plumas County, online, calendar year 2027.
- **CCSF_PCC1_Sell_1_MCE** — CleanPowerSF, baseline solar, Kings County, online, 2022–2026.
- **EBCE_PCC1_Sell_2_MCE** — Ava Community Energy, baseline solar, Kings County, online, calendar year 2026.
- **CAM - DR Allocation** — Pacific Gas & Electric, existing generic DR, online, 2023–2045.
- **CAM - Peaker Allocation** — Pacific Gas & Electric, existing generic peaker, online, 2023–2045.
- **CAM - Storage —** Pacific Gas & Electric, existing generic battery storage, online, 2023–2045.
- **Other CAM** — Pacific Gas & Electric, existing generic combined cycle, online, 2023–2045.
- **LT Geothermal 1** — new generic geothermal, planned new, 2032–2052.
- **LT Solar 1** — new generic solar 1axis, planned new, 2030–2050.
- **LT Storage 1** — new generic battery storage, planned new, 2030–2050.
- **LT Wind Out of State 1** — new generic wind Out of State ("OOS") Arizona/New Mexico, planned new, 2030–2050.
- **LT Geothermal 2** — new generic geothermal, planned new, 2035–2055.
- **LT Solar 2a** — new generic solar 1axis, planned new, 2033–2053.
- **LT Storage 2a** — new generic battery storage, planned new, 2033–2053.
- **LT Solar 2b** — new generic solar 1axis, planned new, 2034–2054.
- **LT Storage 2b** — new generic battery storage, planned new, 2034–2054.
- **LT Solar 2c** — new generic solar 1axis, planned new, 2035–2055.
- **LT Storage 2c** — new generic battery storage, planned new, 2035–2055.
- **LT Wind CA 2** — new generic wind ca, planned new, 2035–2055.
- **LT Solar 3a** — new generic solar 1axis, planned new, 2038–2058.
- **LT Solar 3b** — new generic solar 1axis, planned new, 2039–2059.
- **LT Storage 3b** — new generic battery storage, planned new, 2039–2059.
- **LT Solar 3c** — new generic solar 1axis, planned new, 2040–2060.
- **LT Storage 3c** — new generic battery storage, planned new, 2040–2060.
- **LT Wind Out of State 3a** — new generic wind OOS Arizona/New Mexico, planned new, 2036–2056.
- **LT Wind Out of State 3b** — new generic wind OOS Wyoming, planned new, 2040–2060.

- **LT Storage 4a** — new generic battery storage, planned new, 2043–2058.
- **LT Solar 4c** — new generic solar 1axis, planned new, 2045–2060.
- **LT Wind Out of State 4** — new generic wind OOS Arizona/New Mexico, planned new, 2045–2060.
- **ST Solar** — existing generic solar 1axis, planned existing, 2028–2045.
- **ST Wind** — existing generic wind, planned existing, 2028–2045.
- **ST Large Hydro** — existing generic instate large hydro, planned existing, 2035–2045.
- **LT Storage 0** — new generic battery storage, planned new, 2030–2029.
- **LT LD Storage 1** — new generic battery storage, planned new, 2032–2052.
- **GPC_PCC1_1_LT_MCE_renewal** — Calpine, existing generic geothermal, North Coast\North Bay, planned existing, 2037–2047.
- **Generic CCGT RA_2026** — existing generic combined cycle, planned existing, calendar year 2026.
- **Generic CCGT RA_2027** — existing generic combined cycle, planned existing, calendar year 2027.
- **Generic CCGT RA_2028** — existing generic combined cycle, planned existing, calendar year 2028.
- **Generic CCGT RA_2029** — existing generic combined cycle, planned existing, calendar year 2029.
- **Generic CCGT RA_2030** — existing generic combined cycle, planned existing, calendar year 2030.
- **Generic CCGT RA_2031** — existing generic combined cycle, planned existing, calendar year 2031.
- **Generic CCGT RA_2032** — existing generic combined cycle, planned existing, calendar year 2032.
- **Generic CCGT RA_2033** — existing generic combined cycle, planned existing, calendar year 2033.
- **Generic CCGT RA_2034** — existing generic combined cycle, planned existing, calendar year 2034.
- **Generic CCGT RA_2035** — existing generic combined cycle, planned existing, calendar year 2035.
- **Generic CCGT RA_2036** — existing generic combined cycle, planned existing, calendar year 2036.
- **Generic CCGT RA_2037** — existing generic combined cycle, planned existing, calendar year 2037.

- **Generic CCGT RA_2038** — existing generic combined cycle, planned existing, calendar year 2038.
- **Generic CCGT RA_2039** — existing generic combined cycle, planned existing, calendar year 2039.
- **Generic CCGT RA_2040** — existing generic combined cycle, planned existing, calendar year 2040.
- **Generic CCGT RA_2041** — existing generic combined cycle, planned existing, calendar year 2041.
- **Generic CCGT RA_2042** — existing generic combined cycle, planned existing, calendar year 2042.
- **Generic CCGT RA_2043** — existing generic combined cycle, planned existing, calendar year 2043.
- **Generic CCGT RA_2044** — existing generic combined cycle, planned existing, calendar year 2044.
- **Generic CCGT RA_2045** — existing generic combined cycle, planned existing, calendar year 2045.

b) Preferred Conforming Portfolio

In accordance with Section 454.51(b)(3), the resource mix in MCE's PCP achieves "economic, reliability, environmental, security, and other benefits and performance characteristics that are consistent with the goals set forth in [Section] 454.51(a)(1)]." These benefits and characteristics are discussed below.

Meeting GHG Reduction Goals

MCE's PCP achieves results and performance characteristics consistent with the Section 454.52(a)(1)(A) goal of meeting the Commission's GHG reduction targets. The 2030, 2035, 2040, and 2045 GHG emissions for MCE's PCP are summarized in Table 4.

Table 4: Emissions Results for MCE's PCP

	2030	2035	2040	2045
Assigned GHG Emissions Benchmark (MMT)	0.51	0.39	0.33	0.17

2026 IRP PCP Calculated GHG Emissions (MMT)	0.35	0.27	0.20	0.14

Procuring Eligible Renewable Energy

MCE's PCP achieves results and performance characteristics consistent with the goals of Sections 454.52(a)(1)(B) and (F) of ensuring that portfolios are composed of at least 60% eligible renewable resources and displacing fossil fuels within the state. In 2030, MCE's PCP portfolio would consist of 81% renewable generation eligible under the RPS program, after accounting for resource curtailments. In 2045, MCE's PCP would consist of 92% eligible renewable generation after accounting for resource curtailments. The planned proportion of renewable energy in the PCP exceeds the minimum 60% RPS requirement, consistent with MCE's internal policies and the need for additional non-emitting resources to meet the assigned GHG limits. MCE primarily procures renewable resources through the use of long-term PPAs and energy storage service agreements. To supplement its core procurement of PCC1 resources under long-term contracts, MCE currently engages in short-term contracts for standalone products including specified renewable energy, California Independent System Operator ("CAISO") energy, and RA to balance and optimize its PCP. To the extent MCE's Board directs changes to MCE's procurement strategy, those changes will be reflected in future MCE filings.

Minimizing Bill Impact

MCE's PCP achieves results and performance characteristics consistent with the Section 454.52(a)(1)(D) goal of minimizing the impact of planned procurement on ratepayers' bills. MCE prioritizes use of renewable energy and low carbon emitting resources, reliability, and cost competitiveness. MCE anticipates that bill impacts will be minimized during its planned portfolio transition through the pursuit of a diversified resource mix that seeks to minimize exposure(s) that could otherwise occur by overemphasizing resources located within specific geographic areas, relying on a limited subset of technology types and/or purchasing from a limited pool of suppliers/developers, amongst other considerations.

MCE also considers the risks associated with the costs of grid congestion and renewable resource curtailments due to negative pricing, which is of particular concern for solar resources. MCE has carefully considered and incorporated energy storage opportunities within its resource mix, which should promote grid reliability during California's transition to an increasingly clean and renewable energy mix while reducing the potential for unforeseen costs due to negative pricing and curtailments

While actual procurement volumes and prices are expected to vary from what is included in MCE's PCP, if MCE were to build and bring online all the resources included in its PCP per the exact planning timeline and directly pass through the incremental procurement costs to customers, MCE modelled the following affordability and ratepayer impacts, based on current pricing information derived from the CPUC's RESOLVE model and MCE's pricing experiences from prior solicitations:

- MCE's generation rate[18] would increase annually by 5% on average. This estimate is nominal and not adjusted for inflation.
- By 2045, MCE's rates would cumulatively increase by 18.80 cents/kilowatt-hour (kWh), a 150% increase to the current generation rate.

The rate impacts described above are intended for illustrative incremental portfolio and ratepayer impact analysis only. Critically, MCE does not currently have a rate mechanism to directly pass through power procurement costs to customers via rate increases. Any future rate changes would require approval from MCE's Board and actual net cost and rate impacts would be dependent on all costs and revenues.

Ensuring System and Local Reliability

MCE's PCP achieves results and performance characteristics consistent with the Section 454.52(a)(1)(E) goal of ensuring system and local reliability on both a near- and long-term basis. The PCP meets system RA requirements as detailed in Section III.f. The PCP would provide adequate energy storage and RA capacity to meet MCE's generation needs during non-solar generating hours.

MCE currently anticipates that it will meet a portion of its reliability needs during the planning period through short term, capacity-only contracts with natural gas plants, and this is reflected in its PCP. This finding is consistent with the CPUC's RESOLVE and SERVM modeling showing the need to maintain existing fossil-fueled resources online for reliability purposes. The declining ELCC factors for battery storage resources indicated by these studies are additional contributing factors to this reliance in order to meet CPUC reliability targets. Over the planning period, the proportion of fossil fuel contracts, including CAM resources, that MCE uses for capacity purposes decreases relative to its entire portfolio from 75% currently to 45% in 2045. The natural gas resources included in MCE's PCP do not supply MCE with energy and do not contribute to MCE's portfolio emissions. MCE's PCP includes a significant expansion of grid-

[18] Generation rate refers to the Residential E-TOU-C rate plan based on a weighted average rate of customer usage across seasons (summer/winter) and time-of-use (on-peak/off-peak) periods.

connected battery storage resources which will support system and local reliability over the planning horizon.

Ensuring that at least 65% of RPS Procurement is From Long-Term Contracts

Consistent with Section 454.52(a)(1)(F), MCE is on pace to meet the requirement that 65% of its RPS procurement must come from contracts of 10 years (long-term) or more for each compliance period. Additionally, the significant majority of the resources shown in MCE's PCP are expected to be acquired through long-term contracts. MCE expects to continue to procure renewable energy through short-term contracts when opportunities present themselves for cost-efficient procurement and to minimize portfolio risk. When doing so, MCE would reduce any remaining dependency on system power.

Strengthening the Bulk Transmission and Distribution Systems

MCE's PCP achieves results and performance characteristics consistent with the Section 454.52(a)(1)(G) goal of strengthening the diversity, sustainability, and resilience of the bulk transmission and distribution systems. At this time, MCE does not own, operate, or maintain any bulk transmission or distribution assets. However, MCE's procurement of strategically located renewable generation, prioritization of local renewable generation, demand-side management efforts, and investment in distribution-side resources all serve to enhance the sustainability and resiliency of the bulk transmission and distribution systems.
MCE's PCP relies on procurement from a variety of resource types as well as storage resources incorporated in hybrid/co-located solar and storage configuration. MCE believes that the complementary nature of solar plus storage resources allows for better use of the existing transmission system.

Enhancing Demand-Side Energy Management

MCE's PCP achieves results and performance characteristics consistent with the Section 454.52(a)(1)(H) goal of enhancing demand-side energy management. MCE's PCP includes MCE's allocation of capacity through the demand-side management programs operated by PG&E, as well as MCE's own demand response resource and virtual power plant programs described below. The demand response resource is shown in row 76 of MCE's RDT.

- MCE's VPP Strategy

A Virtual Power Plant ("VPP") is a network of distributed energy resources ("DER") that works together as a distributed and aggregated resource. The system functions similarly to a traditional power plant but uses advanced technology to optimize energy production, storage, and consumption. By integrating resources — such as rooftop solar, batteries, smart

thermostats, heat pumps, and EV chargers — VPPs enhance electricity distribution for optimized and sustainable energy use, especially during peak hours.

MCE's VPP initiatives include both:

- Fully dispatchable systems, allowing MCE direct control for precise management; and
- Non-dispatchable systems that use price signals to encourage customers to reduce or optimize their energy use.

These strategies, coupled with performance-based incentives and automated signals, contribute significantly to stabilizing the grid to prevent power outages while reducing costs and greenhouse gas emissions. Our approach to the VPP is deeply rooted in equity, ensuring that advanced energy technologies are not only accessible but are also actively deployed in low-income and historically underserved communities.

- Richmond VPP Pilot

In 2022, MCE was asked to join a collaborative effort to develop a VPP pilot in the City of Richmond, one of California's environmental justice communities. The pilot uses networked DERs to shift participant demand in real time. MCE uses a first-of-its-kind, custom-built enterprise-level DER Management System ("eDERMS"), licensed in perpetuity to MCE, to shift and shape customer load to times of day when the energy is cleanest and least expensive for participants. Customers are compensated for their load shifting based on MCE's VPP Tariff. Participants include previously abandoned, blighted homes acquired by Richmond Community Foundation ("RCF") Connects and then fully rehabbed into 21st century all-electric homes, Zero Net Carbon Ready ("ZNCR") homes. These ZNCR homes are sold for less-then-market rates to first-time, lower-income homeowners to simultaneously support grid reliability while aiding in community revitalization - showcasing how technology and equity can work hand in hand. Other participants include lower income residents for whom MCE previously subsidized solar costs, as well as local business and multi-family facilities, which received energy system improvements.
As of January 2026, the VPP Pilot successfully integrated 9 DER types into the DERMS. The Pilot includes 3 ZNCR homes that were fully rebuilt and sold to first-time, lower-income homebuyers. 33 residential participants and 1 multifamily participant (with 144 units) are in the pipeline, with 12 DER types installed so far.

- VPP FLEX

The California Energy Commission subsequently awarded MCE a $5 million VPP FLEX grant to expand the VPP pilot to MCE's entire service area. This will allow MCE to add other eligible customer programs into the VPP effort. Through VPP FLEX, MCE will update the eDERMS

platform to be OpenADR 3.0 certified, integrate the VPP with CAISO markets to capture new revenues for the agency, and implement a value-sharing plan between MCE, participants, and service providers who bring flexible load to the program.

Through VPP FLEX, MCE aims to:

1. Adapt MCE's existing programs to be VPP-ready.
2. Integrate third party or customer-owned DERs into MCE's VPP ecosystem by leveraging open-source communication protocols and certifications.
3. Deploy new DERs at commercial, public, industrial, and other non-residential facilities.

Ultimately, the VPP will provide load-shifting and cost reductions, benefitting all customers while simultaneously providing a local load-shift resource for the agency, which can be used to offset procurement costs, manage peak demand, and generate new revenues through market participation. MCE will begin enrolling new participants and growing its engagement with VPP Partners in 2026, with a target of enrolling 3MW of flexible load by the end of the project.

- <u>MCE Sync</u>

MCE Sync, launched in 2021, is an app-based load-shifting program that helps customers automate electric vehicle ("EV") charging at home using the cleanest and cheapest energy. The program allows EV households to benefit from Vehicle-to-Grid Integration ("VGI") functionality and incentives that reduce the cost of EV charging at home, with a focus on low- to moderate-income populations. This includes an enrollment bonus, significant energy savings, and incentives for charging during the lowest-carbon hours.

In 2024, MCE launched a Dynamic Pricing Pilot aimed at saving drivers' money while testing how managed charging paired with dynamic signals can improve grid stability, lower energy costs, and boost renewable energy use in California. In 2025, MCE launched a pilot offering free smart home EV chargers to income-qualified customers for whom vehicle compatibility is a barrier to enrolling in MCE Sync. As of May 2026, MCE Sync has enrolled over 4800 active EVs, saving enrolled customers an average of $10 per month. The program has also enrolled 600 EVs into the Dynamic Pricing Pilot. Further, in 2026 MCE completed integration of the MCE Sync with its eDERMS, unlocking enhanced transparency into load and potential for future optimization of charging loads.

MCE expects to continue its pilot offering free smart home chargers to income-qualified customers through 2026 and is currently evaluating a Phase 2 launch in late 2026 dependent on additional funding from the CEC.

- Peak FLEX Market

Launched in June 2021, MCE's Peak FLEX Market supports grid reliability by encouraging program participants to reduce demand during the peak hours of 4 - 9 p.m. This program works with an open market of qualified aggregators, each with a portfolio of projects delivering their own demand-flexibility solutions. The program pays aggregators for daily load-shifting out of peak periods, measuring results through Advanced Metering Infrastructure ("AMI") data and individual device data.

Beginning in 2027, the Peak FLEX Market program will re-launch with a focus on daily load shifting. The program will focus on managed EV charging, Battery Electric Stationary Storage ("BESS"), and building-automation controls. MCE will leverage existing programs to increase participants and enhance program impacts, incorporating existing equipment as well as newly installed assets.

Minimizing Localized Air Pollutants with Emphasis on Disadvantaged Communities

MCE's PCP achieves results and performance characteristics consistent with the Section 454.52(a)(1)(I) goal of minimizing localized air pollutants and other GHG emissions with early priority on disadvantaged communities ("DAC"). MCE's PCP relies primarily on renewable generation and would have low-GHG and localized-air-pollutant emissions. Further, MCE's PCP minimizes MCE's reliance on unspecified system power, instead opting for renewable generation, hydro generation, local energy storage, and local demand side reduction programs. Results from the CSP calculator indicate the following localized air pollutants associated with MCE's PCP in 2045:

- NOx: 12 tonnes/yr
- PM 2.5: 14 tonnes/yr
- SO2: 1 tonnes/yr

These emissions derive from unspecified system energy that is assigned to the portfolio during certain hours when load exceeds the supply from emissions-free resources in accordance with the CSP calculator's hourly accounting.

Maintaining portfolio diversity, including resources procured by DWR

Consistent with Section 454.52(a)(1)(J), MCE's PCP prioritizes resource diversity across multiple dimensions (technology, location, procurement timing, counterparty) as a fundamental risk-management strategy, yielding a portfolio with production characteristics that generally align with MCE's load shape. This alignment reduces reliance on system energy—and its resulting emissions—while also reducing CAISO market exposure. These considerations are necessarily balanced against availability and cost concerns. Under current market conditions, clean

baseload resources are limited in availability and come with high costs. Consequently, while MCE's PCP includes a diverse portfolio of resources, it leans heavily on solar and storage, consistent with the System Reference Plan. Potential technological improvements or incorporation of resources procured by the Department of Water Resources can be accommodated and could displace resources currently planned for in MCE's PCP. The procurement timing articulated in MCE's PCP provides flexibility to adapt to such changes.

Portfolio Comparison

Table 5 provides a summary of the planned new nameplate capacity included in MCE's 2022 IRP for the 25 MMT by 2035 scenario and the 8 MMT by 2045 PCP included in this IRP. Changes across the two portfolios reflect changes in actual procurement conducted by MCE in response to actual portfolio needs. In addition, the difference in planned resources takes into account changing market realities for new resources and the decline in NQC values for resources such as battery storage. Across both scenarios, MCE continues to meet its GHG Emissions and renewable procurement targets. Additional details are provided in Section IV.

Table 5: Comparison of 8 MMT by 2045 PCP and 25 MMT by 2035 PCP from MCE's 2022 IRP

Resource Type	Planned New Nameplate Capacity (MW), 8 MMT by 2045 PCP	Planned New Nameplate Capacity (MW), 25 MMT by 2035 Scenario in 2022 IRP
Wind, in-state	256	100
Wind, out-of-state	545	70
Offshore Wind	-	95
Geothermal	96	109
Solar (California, imported)	1624	222
Short-duration storage, Li-ion battery (4hr)	803.5	559
Long-Duration Storage (8hr)	1201.7	90
Demand Response	-	15

c) GHG Emissions Results

GHG emissions associated with MCE's PCP are shown in Table 6. As previously noted, the emissions associated with MCE's PCP are lower than the assigned GHG limits as required for a conforming portfolio.

Table 6: MCE's PCP GHG Emissions

Emissions Total	Unit	2030	2035	2040	2045
CO2	MMt/yr	0.35	0.27	0.20	0.14

d) Local Air Pollutant Minimization and Disadvantaged Communities

i. Local Air Pollutants

Local pollutant emissions associated with MCE's PCP are shown in Table 7 below:

Table 7: MCE's PCP Local Pollutant Emissions

Emissions Total	Unit	2030	2035	2040	2045
PM2.5	tonnes/yr	54	22	14	12
SO2	tonnes/yr	18	7	1	1
NOx	tonnes/yr	118	51	38	14

Local air pollutants associated with MCE's electricity mix are projected to decrease throughout the planning period. As described in MCE's Action Plan, MCE intends to reduce its reliance on system power by procuring renewable and other low GHG-emitting resources identified in its PCP. MCE actively seeks out power supply technologies that minimize air pollutants, with an emphasis on fully renewable technologies.

ii. Focus on Disadvantaged Communities

MCE's PCP is fully consistent with the goal of minimizing local air pollutants, with early priority on DACs. As part of MCE's mission to reduce GHG Emissions, MCE focuses on procurement efforts on low-emissions resources. Most generation facilities that are under contract for PPAs are non-emitting resources, such as solar and wind. MCE does contract with natural gas-fired power plants for RA but aims to reduce reliance on these contracts for RA over time as additional renewable resources and batteries can be relied upon.

As identified by the California Environmental Protection Agency's ("CalEPA") designation, Table 9 provides a summary of the DACs MCE serves within its service area. Table 8 provides a

summary of facilities that MCE contracts with that are within a DAC or within a 5-mile radius of a DAC. Out of all generation facilities that MCE contracts with for either energy, capacity, or both, 24 facilities are within a DAC, 14 facilities are within a 5-mile radius of a DAC, and 10 facilities are within a 10-mile radius of a DAC.

Table 8: Summary of MCE contracted facilities within a DAC or within a 5-mile radius of a DAC

Tract	Zip Code	County	Nearby City	Total Population	MCE Contract ID	Resource
Non-GHG Gas Emitting Resources located within a Disadvantaged Community (DAC) or within 5 miles of a DAC						
6071009400	92311	San Bernardino	Barstow	3262	Daggett_Solar_Generic	SISPRG_2_DS3SR2
6019007801	93234	Fresno	Unincorporated Fresno County area	2731	Key_Storage_LD_MCE	_NEW_GENERIC_BATTERY_STORAGE
6031001300	93212	Kings	Unincorporated Kings County area	4811	Corcoran_MCE	CORCAN_1_SOLAR2
6029003304	93251	Kern	Unincorporated Kern County area	3358	Goose Lake_MCE	GOOSLK_1_SOLAR1
6029003304	93251	Kern	Unincorporated Kern County area	3358	Great Valley_MCE	TRNQL8_2_ROJSR1
6019008302	93640	Fresno	Unincorporated Fresno County area	7406	Little Bear 1_MCE	LTBERA_1_LB1SR1
6019008302	93640	Fresno	Unincorporated Fresno County area	7406	Little Bear 3_MCE	LTBEAR_1_LB3SR3
6019008302	93640	Fresno	Unincorporated Fresno County area	7406	Little Bear 4_MCE	LTBEAR_1_LB4SR4
6019008302	93640	Fresno	Unincorporated Fresno County area	7406	Little Bear 5_MCE	LTBEAR_1_LB4SR5
6031001601	93239	Kings	Unincorporated Kings County area	4101	Mustang_MCE	MSTANG_2_SOLAR4
6013392200	94806	Contra Costa	Richmond	11304	Freethy 1_MCE	_EXISTING_GENERIC_SOLAR_FIXED

6013392200	94806	Contra Costa	Richmond	11304	Freethy 2_MCE	_EXISTING_GENERIC_SOLAR_FIXED
6013302005	94561	Contra Costa	Oakley	7290	Oakley RV & Boat Storage_MCE	_EXISTING_GENERIC_SOLAR_FIXED
6013302005	94561	Contra Costa	Oakley	7290	Oakley Phase 3_PCC1_1_LT_MCE	_EXISTING_GENERIC_SOLAR_FIXED
6019008302	93640	Fresno	Unincorporated Fresno County area	7406	Conflitti Jr_PCC1_DAC_1_LT_MCE	_EXISTING_GENERIC_SOLAR_FIXED
6019008302	93640	Fresno	Unincorporated Fresno County area	7406	Conflitti_PCC1_DAC_2_LT_MCE	PNOCHE_2_CEFSR1
6029006500	93505	Kern	California City	4501	Voyager II_MCE	VOYAGR_2_VOYWD3
Federal Tribal Areas: Agua Caliente Indian Reservation	-	-	-	-	Windpower_PCC1_1_LT_MCE_Update	GARNET_1_WINDS
6077005206	95304	San Joaquin	Unincorporated San Joaquin County area	26742	Mulqueeney_Wind_PCC1_MCE	_NEW_GENERIC_WIND_CA
6029005204	93285	Kern	Unincorporated Kern County area	5963	Kern Tule_PCC1_1_LT_MCE	KRNCNY_6_UNIT
6019008302	93640	Fresno	Unincorporated Fresno County area	7406	CES Electron Farm_RA_1_NS_MCE	PNOCHE_2_CEFSR1
6075061000	94134	San Francisco	San Francisco	4839	Cormorant_Storage_MCE	_NEW_GENERIC_BATTERY_STORAGE
6095251902	94589	Solano	Vallejo	6173	American Canyon Solar A_MCE	_EXISTING_GENERIC_SOLAR_FIXED
6095251902	94589	Solano	Vallejo	6173	American Canyon Solar B_MCE	_EXISTING_GENERIC_SOLAR_FIXED
6095251902	94589	Solano	Vallejo	6173	American Canyon Solar C_MCE	_EXISTING_GENERIC_SOLAR_FIXED
6095251200	94590	Solano	Vallejo	3663	Lake Herman_PCC1_1_LT_MCE	BAHIA_2_LKHSR1

6077003900	95206	San Joaquin	Unincorporated San Joaquin County area	1518	Byron Hot Springs_PCC1_2_LT_MCE	_EXISTING_GENERIC_SOLAR_FIXED
6077003900	95206	San Joaquin	Unincorporated San Joaquin County area	1518	Byron Highway_PCC1_1_LT_MCE	_EXISTING_GENERIC_SOLAR_FIXED
GHG Gas Emitting Resources located within a Disadvantaged Community (DAC) or within 5 miles of a DAC						
6095253500	94571	Solano	Unincorporated Solano County area	10676	Hay_MCE	PEABDY_2_LNDFL1
6019003900	93630	Fresno	Unincorporated Fresno County area	6477	WELLHEAD_RA_3_POF_MCE	AGRICO_7_UNIT
6085512602	95020	Santa Clara	Unincorporated Santa Clara County area	2404	CALPINE_RA_44_NS_MCE	GILRPP_1_PL1X2
6013309000	94565	Contra Costa	Pittsburg	3546	CALPINE_RA_68_NSF_MCE	LMEC_1_PL1X3
6029003304	93251	Kern	Unincorporated Kern County area	3358	Midway_RA_1_NSF_MCE	SUNSET_2_UNITS
6029003304	93251	Kern	Unincorporated Kern County area	3358	Sunrise Power_RA_1_SSF_MCE	SUNRIS_2_PL1X3
6037980002	90745	Los Angeles	Carson	0	Watson_RA_1_SS_MCE	ARCOGN_2_UNITS
Auburn Rancheria	-	-	-	-	Lincoln_MCE	PLSNTG_7_LNCLND
6071009117	92301	San Bernardino	Unincorporated San Bernardino County area	8697	HIGHDESERT_RA_3_SSF_MCE	HIDSRT_2_UNITS
Agua Caliente Indian Reservation	-	-	-	-	SENTINEL_RA_1_LF_MCE	SENTNL_2_CTG1

Table 9: DACs Served by MCE

Census Tract	Nearby City	California County	ZIP Code	Total Population	MCE Residential Accounts in Census Tract	MCE Non-Residential Accounts in Census Tract	MCE Accounts in Census Tract
06013305000	Antioch	Contra Costa	94509	6561	3	95	98
06013314103	Bay Point	Contra Costa	94565	5629	1529	58	1587
06013314104	Bay Point	Contra Costa	94565	9278	2122	87	2209
06013336201	Concord	Contra Costa	94520	4056	1125	15	1140
06013365002	North Richmond	Contra Costa	94801	5590	1201	121	1322
06013302005	Oakley	Contra Costa	94561	7290	2009	170	2179
06013313102	Pittsburg	Contra Costa	94565	4595	1437	103	1540
06013313101	Pittsburg	Contra Costa	94565	7178	2474	368	2842
06013311000	Pittsburg	Contra Costa	94565	5329	1451	43	1494
06013314102	Pittsburg	Contra Costa	94565	6561	1160	25	1185
06013310000	Pittsburg	Contra Costa	94565	6257	1620	105	1725
06013312000	Pittsburg	Contra Costa	94565	2243	608	70	678
06013309000	Pittsburg	Contra Costa	94565	3546	1229	147	1376
06013375000	Richmond	Contra Costa	94801	4897	1066	79	1145
06013373000	Richmond	Contra Costa	94801	4468	880	79	959
06013377000	Richmond	Contra Costa	94801	7323	2038	137	2175
06013392200	Richmond	Contra Costa	94806	11304	2790	150	2940
06013381000	Richmond	Contra Costa	94804	6521	1738	166	1904

06013376000	Richmond	Contra Costa	94801	6245	1551	68	1619
06013380000	Richmond	Contra Costa	94804	5931	2759	277	3036
06013379000	Richmond	Contra Costa	94804	7003	1510	169	1679
06013382000	Richmond	Contra Costa	94804	8159	1543	92	1635
06013358000	Rodeo	Contra Costa	94572	6285	1577	128	1705
06013366002	San Pablo	Contra Costa	94806	6627	1587	58	1645
06013368002	San Pablo	Contra Costa	94806	3782	935	85	1020
06013369001	San Pablo	Contra Costa	94806	7254	1914	195	2109
06013368001	San Pablo	Contra Costa	94806	4817	1226	73	1299
06013366001	San Pablo	Contra Costa	94806	4514	1109	30	1139
06013364002	Tara Hills	Contra Costa	94806	5531	1659	26	1685
06013327000	Unincorporated Contra Costa County area	Contra Costa	94520	7430	1618	703	2321
06013320001	Unincorporated Contra Costa County area	Contra Costa	94553	3671	1101	194	1295
06013315000	Unincorporated Contra Costa County area	Contra Costa	94520	3862	1057	567	1624
06013314200	Unincorporated Contra Costa	Contra Costa	94565	7748	1443	37	1480

	County area						
06095252502	Fairfield	Solano	94533	2106	583	215	798
06095252402	Unincorporated Solano County area	Solano	94534	5549	1491	309	1800
06095253500	Unincorporated Solano County area	Solano	94571	10676	258	190	448
06095250801	Unincorporated Solano County area	Solano	94592	4135	934	37	971
06095251901	Vallejo	Solano	94589	5119	1537	52	1589
06095251600	Vallejo	Solano	94590	2580	1008	92	1100
06095250900	Vallejo	Solano	94590	2654	1060	236	1296
06095251802	Vallejo	Solano	94589	2770	898	311	1209
06095250701	Vallejo	Solano	94590	3529	737	156	893
06095251000	Vallejo	Solano	94590	2654	1071	39	1110
06095251200	Vallejo	Solano	94590	3663	1023	167	1190
06095251500	Vallejo	Solano	94590	4326	1300	283	1583
06095251902	Vallejo	Solano	94589	6173	1462	39	1501

In total, MCE serves 69,582 customer accounts located within DACs. This represents approximately 11.6% of MCE's 600,000 customer accounts.

MCE's programs illustrate that MCE takes an expansive view of its responsibilities in this area and takes efforts to minimize air pollutions impacts in disadvantaged communities, not only in its own service area, but across the entire state. MCE is dedicated to reducing pollution impacts and encouraging the development, health, and prosperity of DACs within and outside our service area. Our commitment is reflected in the practices, programs, and policies described below and in our Action Plan.

Green Access Program

MCE serves 5,585 low-income customers in DACs through its Disadvantaged Communities Green Tariff (DAC-GT) program as of June 2026. The DAC-GT program supplies 100% renewable

power to customers located in a DAC with an accompanying 20% bill discount. MCE's program is considered fully enrolled and has been allocated 8.25 MW of capacity. MCE prioritizes enrollment of customers who live in the highest scoring DACs, are currently participating in either the California Alternate Rates for Energy (CARE), Family Electric Rate Assistance (FERA) discount program, and Arrearage Management Plan (AMP).

MCE's Conflitti solar project came online on January 27, 2026 and serves 4.64 MW of MCE's capacity. MCE launched a solicitation for new-build solar resources to fulfill its remaining capacity of 3.608 MW on February 23, 2026, and bids are currently being evaluated. The remaining enrolled customers are currently served by Conflitti, located in Fresno, CA and an interim resource, Goose Lake, which is in Lost Hills, CA.

Equity in Power Purchasing

MCE's Open Season solicitation encourages suppliers to consider community benefits and equity metrics when submitting offers. Some of the optional elements that MCE solicits in offers include:

- Support for educational programs, environmental justice initiatives, and workforce development and training initiatives;
- Participation of contractors, subcontractors, or businesses owned by disabled veterans;
- Projects located in a designated DAC or employing workers living in a designated DAC; and
- Use of components and materials manufactured or assembled by local suppliers or in the United States.

In late 2020, when issues related to the use of forced labor for solar equipment production in Xinjiang, China, were reported, MCE incorporated new language into its PPA term sheets and contracts that prohibit MCE from contracting with facilities that rely on equipment or resources built with forced labor. This language was incorporated into MCE's Open Season solicitations, DAC-GT solicitations, PPAs, and will continue to be an MCE procurement requirement.

e) Cost and Rate Analysis

In developing its PCP, MCE strives to balance affordability, reliability, and decarbonization while meeting all MCE Board adopted policies as well as all regulatory requirements. MCE also prioritizes reliability and seeks to build a portfolio that minimizes risks related to transmission congestion, curtailments, project development, and other uncertainties that increase the potential for unanticipated costs. MCE endeavors to achieve this balance as cost effectively as

possible to maintain competitive rates and to the extent feasible reduce upward pressure on customer rates and bills.

MCE engages in competitive solicitations for resource selection and makes resource decisions based on the prices offered and negotiated. MCE considers both the direct resource costs (*e.g.*, contract price) as well as the value of each resource in its portfolio, taking into account the different resource characteristics of the various portfolio options. MCE has observed notable instability in offered resource prices over time as market conditions and external events, such as procurement orders, trade tariffs, tax policies, and supply chain conditions impact resource costs at any given time. If these events persist, or additional external events (*e.g.*, new procurement orders) occur shifting price risks onto LSEs, the average portfolio costs may instead continue to increase in excess of MCE's current projections. While MCE's PCP provides a helpful framework for procurement decisions going forward, MCE must remain flexible to respond to market conditions or technological changes as circumstances change. MCE will take steps to minimize bill impacts, but near-term rate increases may be necessary to accommodate increased procurement costs.

In evaluating new resource commitments, MCE seeks generation and/or storage projects that meet portfolio fit considerations and that have positive net present value in consideration of expected contract costs and the value of the energy, reliability, and environmental attributes provided by the project. Such projects help reduce consumer costs relative to alternative sources of energy and capacity.

MCE's plan diversifies across different renewable and low-carbon generation technologies with the goal of reducing use of system energy, thereby reducing market risk and emissions. MCE selected new resources that provide reliability and low emissions (*e.g.*, geothermal) and other carbon-free technologies that have low expected costs (*e.g.*, wind), which in conjunction with resources already under contract provide a least-cost, best-fit portfolio solution. While not the lowest cost resource option, geothermal resources were included in the PCP to provide reliability benefits from additional clean, firm resources. These resources have relatively low GHG emissions, and their ability to reliably produce energy on a near 24X7 basis warrants a role despite higher costs. Technological diversification in use of resources capable of providing firm energy reduces ratepayer risk that could arise from overdependence on new technologies such as long duration storage. The PCP includes lower cost wind resources to help minimize ratepayer impacts while meeting environmental and reliability objectives. MCE's PCP also aims to minimize exposure to volatile natural gas and system power prices, and the billing impacts that can result from periodic spikes in fossil fuel prices.

MCE modeled the expected portfolio costs of its PCP to evaluate cost and rate impacts on customers. The associated costs assumed in the model were a blend of the RESOLVE model price indicators and MCE's own internal data from prior solicitation offers. MCE also applied price escalators on highly sought after resources to adjust for scarcity pricing. It must be noted that the projected portfolio costs are dependent on assumed costs for new resources, that are subject to considerable uncertainty.

Portfolio Cost Analysis

The graph below presents the portfolio cost analysis results. Based on the assumptions described above, MCE expects its overall portfolio costs to increase by an annual average of [redacted]. Portfolio costs remain relatively flat through 2028 before steadily increasing beginning in 2029, primarily driven by the addition of new resources at higher costs than existing resources. This rise in cost is further compounded by increasing reliability requirements on MCE's portfolio and decreasing marginal ELCCs.

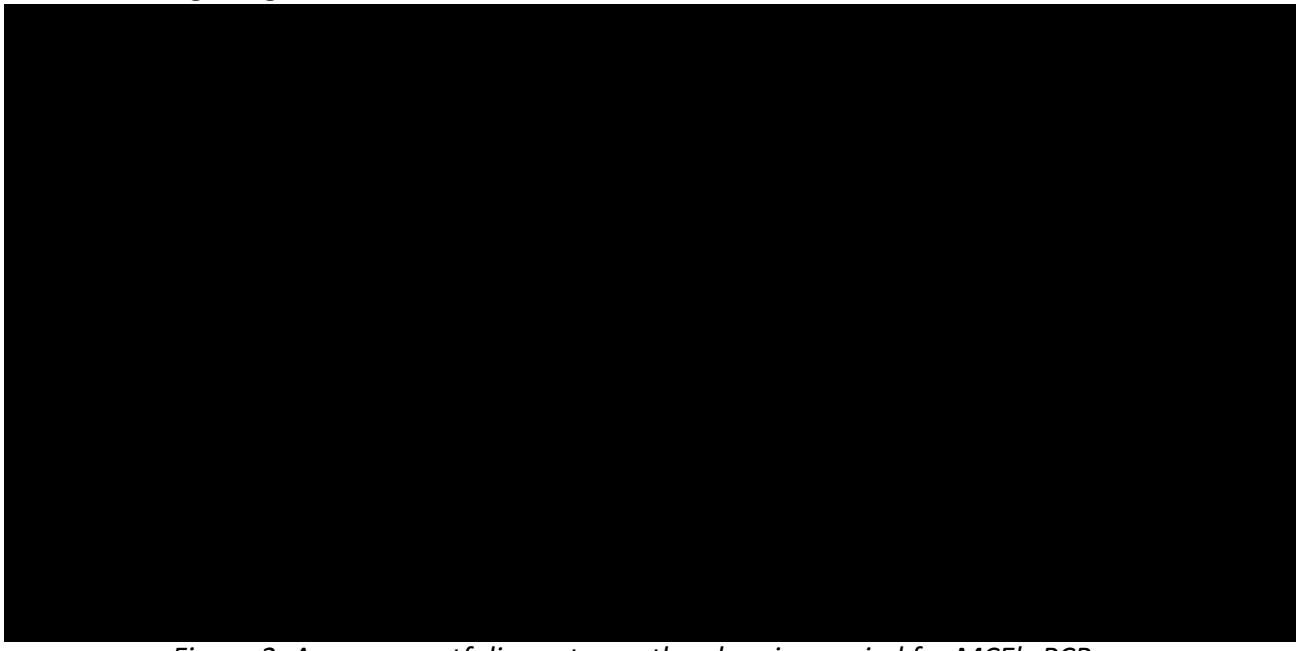


Figure 2: Average portfolio cost over the planning period for MCE's PCP

Rate Analysis

While actual procurement volumes and prices are expected to vary from what is included in MCE's PCP, if MCE were to build and bring online all the resources included in its PCP per the exact planning timeline and directly pass through the incremental procurement costs to customers, MCE modelled the following affordability and ratepayer impacts, based on current

pricing information derived from the CPUC's RESOLVE model and MCE's pricing experiences from prior solicitations:

- MCE's generation rate[19] would increase annually by 5% on average. This estimate is nominal and not adjusted for inflation.
- By 2045, MCE's rates would cumulatively increase by 18.80 cents/kilowatt-hour (kWh), a 150% increase to the current generation rate.

The rate impacts described above are intended for illustrative incremental portfolio and ratepayer impact analysis only. Critically, MCE does not currently have a rate mechanism to directly pass through power procurement costs to customers via rate increases. Any future rate changes would require approval from MCE's Board, and actual net cost and rate impacts would be dependent on all costs and revenues.

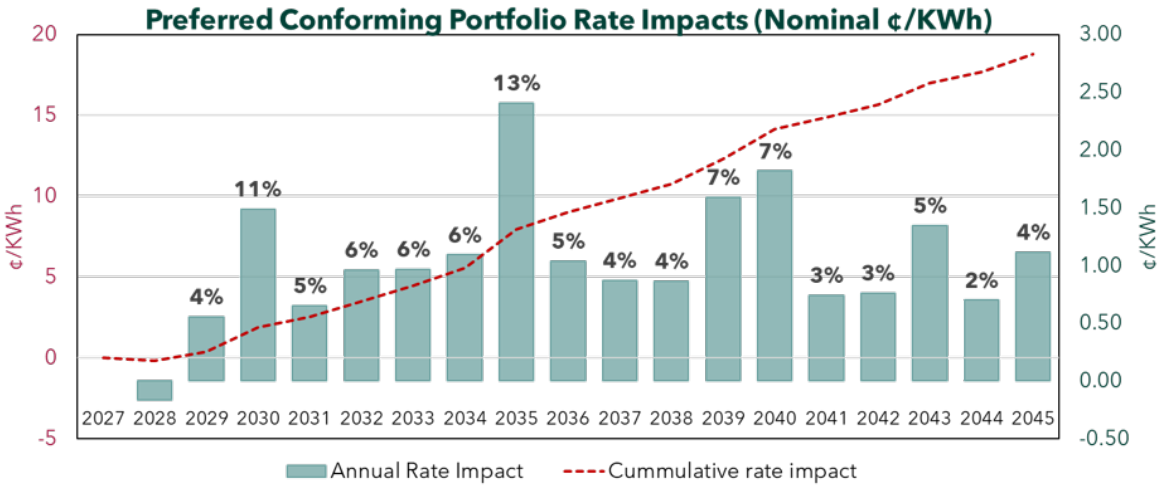


Figure 3: Rate Impact of MCE's PCP

f) System Reliability Analysis

MCE's PCP meets or exceeds applicable reliability requirements as demonstrated in Figure 4 and Table 10. The CPUC's reliability metric shows expected contribution to reliability for each resource by year, taking into consideration the ELCC of each resource type. Expected reductions in the ELCC for many resource types require increases in new generation capacity to maintain reliability levels. By 2045, approximately half of the PCP's NQC is expected to come from new resources and approximately 68% of total nameplate capacity will be from new resources, primarily solar and battery storage. The following table and chart from the Reliability – Planning

[19] Generation rate refers to the Residential E-TOU-C rate plan based on a weighted average rate of customer usage across seasons (summer/winter) and time-of-use (on-peak/off-peak) periods.

sheet of the RDT show load and resource by contract status for the PCP that includes total reliability need (effective MW), total supply (effective MW), and net capacity position (effective MW) for all study years.

Table 10: MCE's Reliability Need, Total Supply, and Net Capacity Position (2026 - 2045)



Figure 4: MCE's Capacity by Contract Status (2026 - 2045)

Existing Resource Planning

Since its launch in 2010, MCE has been committed to building and expanding access to in-state renewable generation resources. This is reflected by the approximately 2928 MW of new-build renewable generation that MCE has contributed to building across California, and the additional approximately 860 MW (nameplate) of new build that MCE currently has under contract to come online in the next six years. Further, as demonstrated in MCE's PCP, MCE will continue to drive significant new resource development, which will have a corresponding decrease in MCE's planned use of existing resources. Over the planning period, the majority of supply in the PCP portfolio is planned to be from new resources, with minimal reliance on existing resources.

Planned contracts with existing resources are generally for resource types that have historically been available. MCE has chosen these resources because of their lower delivery risks compared to new resources (i.e., existing resources are not subject to development risks that often result in delays or outright cancellation of planned new resources) and in recognition of the beneficial role that short-term purchases from existing resources can play in facilitating portfolio flexibility.

In MCE's portfolio, the primary existing resources not already under contract with MCE are in-state large hydro, wind, and solar resources. These resources have been generally available to-date and have met the needs of MCE's customers for carbon-free energy at competitive prices with minimal operational risks.

The proportionate use of planned purchases from existing resources included in the PCP is broadly similar to what was included in the 25 MMT by 2035 PCP from the 2022 IRP, though the current PCP shows a somewhat higher share of existing resources in the near term. Focusing on 2035, the last year of the 2022 planning period, existing resources make up about 55% of supply in the current PCP versus about 41% in the 2022 IRP — roughly 2,420 GWh existing versus 3,553 GWh new in the 2022 IRP, and roughly 4,172 GWh existing versus 3,440 GWh new in the current PCP. This shift partly reflects the maturation of the portfolio: 4 projects with a total of 310 MW in generation and 152 MW of storage that were categorized as new builds in the 2022 IRP have since been brought online and now count toward the existing baseline in the current PCP. By 2045, however, the PCP is overwhelmingly a new-resource portfolio. Existing baseline supply (currently existing contracts that will be part of MCE's supply throughout the planning period) declines to about 1,815 GWh, while new builds dominate at roughly 7,325 GWh (~20% / 80%).

g) Hydro Generation Risk Management

In developing its PCP, MCE took the following three steps to manage the risk of reduced hydro-electric availability due to in-state drought:

1. MCE reduced its overall reliance on large hydro-electric generation by adopting ambitious targets for renewable energy (which excludes large hydro-electric). More specifically, MCE's PCP in 2045 consists of 92% eligible renewable generation, with less than 6% coming from large hydro-electric generation.
2. To the extent hydro-electric fits into the portfolio, MCE has an established network of Pacific Northwest hydro suppliers, including entities that have substantial ACS energy

volumes. As a result of these substantial ACS volumes, suppliers are able to sell MCE reliable, firm volumes.

3. MCE can opt to take deliveries of hydropower outside of the CAISO and schedule/import such volumes into the CAISO on its own, as a purchasing-selling entity registered with the North American Electric Reliability Corporation ("NERC")-affiliated North American Energy Standards Board ("NAESB"). This substantially increases MCE's flexibility as a counterparty and therefore provides MCE with increased access to greater volumes of non-California hydro-electric resources from suppliers that may not be willing, themselves, to be the importer of record.

To the extent that hydro supply is unavailable, MCE would plan to use other sources of low-carbon or carbon-free energy, which may include additional qualifying renewable energy. Considering the relatively small volume of planned large hydro, the cost impact of supply unavailability is limited. Moreover, the PSP's hydro-electric energy resources are planned as energy-only. As such, there would be no direct reliability impacts to MCE's PSP in the event of drought, although there may be system-wide reliability impacts to the extent that other LSEs utilize large hydro-electric resources for capacity purposes.

h) Long-Duration Storage Planning

MCE is planning significant new battery storage capacity to help balance load and supply as it integrates a greater percentage of renewable energy into its supply mix and continues to reduce reliance on natural gas generation supply. MCE sees a greater need and role for long-duration storage as the grid continues to evolve. To address this need, MCE is procuring to meet its long-duration storage requirement under D.21-06-035 (*i.e.,* 29 MW of NQC) and anticipates procuring an additional 395 MW NQC of long-duration storage resources in the 2030 to 2035 timeframe. MCE observed that the System Reference Plan includes increasing amounts of eight-hour battery storage and relatively static amounts of four-hour battery storage over the planning period. MCE has similarly planned to increase its use of long-duration storage over time. Planned solar plus storage projects beginning with the 2030-2035 procurement timeline include eight-hour battery storage. This represents a change from the 2022 IRP in which most of the battery storage was planned as four-hour duration.

In MCE's view, battery storage technology is currently the most commercially viable technology to qualify for this long-duration attribute. However, MCE is also evaluating other technologies that have long-duration storage capability. Technology performance risk is the biggest unknown at present. With the exception of pumped hydro storage, there is a limited track record for utility scale, long-duration storage. MCE expects rapid technological improvement in battery

storage as the industry continues to scale up and anticipates declining costs in the longer term. In the short term, however, costs are increasing and project opportunities are limited, particularly when the procurement is facing accelerated procurement timelines. These factors may impact the pace at which MCE adds storage to its resource portfolio.

i) Clean Firm Power Planning

MCE has prioritized acquisition of clean firm resources beyond what is required under existing Commission procurement orders. Despite higher costs, clean firm resources provide reliable capacity and a higher-value energy delivery profile as compared to solar and other intermittent resources. MCE is planning for use of geothermal resources over time (a total of 96 MW over the planning period). This is a drop of 13 MW from the 2022 IRP due to increased scarcity of eligible geothermal. Unfortunately, the supply of geothermal and clean firm resources is very limited in California, and the cost of new-build resources is significantly higher. Clean firm energy imported from other balancing areas is complicated by transmission availability and the need to obtain equivalent Maximum Import Capability ("MIC") through the CAISO to utilize the capacity under the RA program. Despite these challenges to their expanded use, clean firm resources are important contributors to reliability and offer operational attributes that cannot be replicated by current technologies of storage or other resource types. To develop these resources cost-effectively and efficiently, California LSEs will need the commitment of regulatory agencies and CAISO to facilitate this resource development, ensuring regulatory procedures and requirements align with market realities and that the transmission infrastructure necessary for this development is available and accessible to California LSEs.

j) Non-CAISO, including Out-of-State, Wind Planning

For new out-of-state wind energy projects, MCE's PCP plans for total new additions of 545 MW starting in 2030 and continuing through the planning period. This planned procurement generally follows the 2026 – 2040 timeline and relative scale reflected in the CPUC's RESOLVE modeling results for selected out-of-state wind builds, with the full modeled potential of approximately 19 GW reached by 2045.

To date, MCE has observed, through its solicitations, opportunities to contract with New Mexico wind resources delivered via the SunZia transmission project. However, the availability of Interconnection Agreement Requests ("IAR") remains a constraining factor for New Mexico wind, and transmission limitations appear to be constraining the availability of wind resources from Wyoming, Idaho, and other states. Compared to the 2022 IRP, the current PCP includes similar amounts of out-of-state wind after adjusting for the larger load reflected in the current

PCP. Transmission still remains the most significant risk to MCE's planned use of out-of-state wind.

The preference of New Mexico wind in the PCP is not intended to reflect a definitive procurement plan for that area, as other locations for future wind projects may also be viable. New Mexico was relied upon as the most likely source based on MCE's review of wind projects offered in recent solicitations, including opportunities that utilize existing firm transmission routes into the CAISO. MCE also observes significant potential in the PSP for wind located in Wyoming and Idaho, along with transmission projects that are being planned to allow delivery of these resources to California as reflected in its PCP. These developments may create opportunities to contract for new wind from those areas in the 2030 timeframe, provided that the planning and construction of necessary transmission infrastructure proceeds expeditiously. Without timely transmission development, it will be difficult to secure deliverability and import allocation rights for these resources, which could make such projects unattractive to California LSEs.

k) Offshore Wind Planning

MCE did not include plans for offshore wind in its PCP pending further progress on development of this resource type. Potential Department of Water Resources contracts of offshore wind energy have not been assumed, but MCE can adapt future plans as needed to incorporate these resources. Offshore wind appears to be a high potential resource with relatively high-capacity factors and RA values. At this time, the costs of offshore wind development and maintenance infrastructure are largely unknown. As such, cost and development timelines pose the greatest risk to utilization of this resource. Despite these and other possible near-term barriers to progress on this front, MCE is monitoring the issue as it evolves and procurement of offshore wind becomes feasible.

l) Transmission Planning

This section describes new generation projects that are under development and planned projects that have been specifically identified through MCE's procurement processes where there is sufficient locational specificity that could be useful to the transmission planning process.

Projects Under Development

- Mulqueeney Wind Energy, LLC

This is a new build 80 MW wind project. The expected commercial operation date ("COD") is in 2027, and MCE intends to apply this resource towards its procurement requirements under D.21-06-035 & D.23-02-040. The project is located in Alameda County. The interconnection queue positions are Q-1277 & Q-1459. All transmission upgrades needed for this project have been completed. The Mulqueeney Wind project is represented in the 8 MMT RDT as incremental capacity. Please refer to row 15 of the unique_contracts tab in MCE's RDT.

- Allium Hybrid, LLC

This is a new-build hybrid project located in San Benito County that pairs 110 MW of solar with 110 MW four-hour battery storage. The project has an expected COD of May 2031 and MCE intends to apply this resource towards its procurement requirements under D.21-06-035 & D.23-02-040. The interconnection queue position for this resource is Q-1921, and the project will connect via Crazy Horse Canyon-Hollister 115 kV Line Tap. Transmission upgrades needed for this project are expected to be completed in December 2030. These transmission upgrades are described in Appendix A to the Large Generator Interconnection Agreement ("LGIA") and include participating transmission owner (*i.e.,* Southern California Edison ("SCE")) reliability network upgrades. The Allium project is represented in the 8 MMT RDT as incremental capacity. Please refer to row 9 of the unique_contracts tab in MCE's RDT.

- Humboldt House Geothermal, LLC

This is a new-build 20 MW geothermal project located in Pershing County, Nevada. The project has an expected COD of February 2028, and MCE intends to apply this resource towards its procurement requirements under D.21-06-035. Transmission upgrades are currently being evaluated and an updated Interconnection Agreement is expected in August 2026. The Humboldt House project is represented in the 8MMT RDT as incremental capacity. Please refer to row 8 of the unique_contracts tab in MCE's RDT.

- Buena Vista Energy, LLC

This is a refurbished 38 MW wind project. The project has an expected COD in January 2028 and is located in Contra Costa County. The interconnection queue position is Q-21, and the project will connect at the Buena Vista Substation, 230kV Bus. Buena Vista project is represented in the 8 MMT RDT as incremental capacity. Please refer to row 37 of the unique_contracts tab in MCE's RDT.

- Corby Energy Storage, LLC

This is a new 100 MW four-hour battery storage project to be located in Solano County. The project is contracted to come online in April 2027. Permitting for the project may delay the project's online date. MCE intends to apply this capacity towards its procurement requirements under D.23-02-040. The interconnection queue position is Q-1270, and the project will connect at the Vaca-Dixon Substation. Corby is represented in the 8MMT RDT as incremental capacity. Please refer to row 7 of the unique_contracts tab in MCE's RDT.

- Key Energy Storage, LLC

This is a new 35 MW eight-hour battery storage project with an expected COD of April 2027 and will be located in Fresno County. MCE intends to apply this resource towards its procurement requirements under D.21-06-035. The interconnection queue position is Q-1479, and the project will connect at the Gates Substation, 500kv Bus. Key is represented in the 8 MMT RDT as incremental capacity. Please refer to row 6 of the unique_contracts tab in MCE's RDT.

- Cormorant Energy Storage, LLC

This is a new 250 MW four-hour battery storage project with an expected COD of August 2028 and will be located in San Mateo County. MCE intends to apply this resource towards its procurement requirements under D.21-06-035. The interconnection queue position is Q-1552, and the project will connect at the Martin Substation. Cormorant is represented in the 8 MMT RDT as incremental capacity. Please refer to row 5 of the unique_contracts tab in MCE's RDT.

- Roccasecca BESS, LLC

This is a new 126.59 MW four-hour storage project with an expected COD of March 2027 and will be located in Clark County, Nevada. MCE intends to apply this resource towards its procurement requirements under D.21-06-035 & D.23-02-040. The interconnection queue position is Q-1347, and the project will connect at the Sloan Canyon Switching Station. The Roccasecca storage project is represented in the 8 MMT RDT as incremental capacity. Please refer to row 14 of the unique_contract tab in MCE's RDT.

Projects Under Review

MCE has launched the Open Season 2026 RFO process to execute long-term supply contracts with projects that align with MCE's portfolio goals and needs. Offers from prospective projects are due in July 2026, and the MCE team intends to evaluate offers throughout Q3 2026, culminating in executed contracts by the end of Q1 2027. MCE will also continue to accept and evaluate bilateral offers for resources that address portfolio needs. In addition to standard procurement processes that add new resources to the portfolio, MCE is considering multiple initiatives to optimize resources within our existing portfolio. This includes adding BESS to

existing solar-only resources to relieve persistent congestion and curtailment, negotiating with counterparties to purchase contracted products prior to the original PPA start date, and evaluating a PPA extension to secure continued long-term renewable energy supply.

Planned New (Generic) Projects

The Planned New projects included in the PCP are generic in nature and generally follow locational assumptions in the System Reference Plan. Locations and technology resource types are subject to change as MCE advances in its procurement.

IV. Action Plan

a) Proposed Procurement Activities and Potential Barriers

To achieve its PCP over the planning horizon, MCE plans to steadily procure volumes at regular intervals, allowing MCE to keep within its established position limits while avoiding concentrated procurement during any particular market environment. This is consistent with MCE's risk-management approach to spread out potential cost risks that may be at play in the market in a given year, allowing MCE to optimally procure. At a high level, MCE plans to procure renewables and storage, geothermal, large hydro-electric and ACS, RA (including incremental capacity required by the Commission) and load-hedging products. MCE's goal is to procure such products in a cost-effective manner, achieve emissions and reliability objectives, and support a well-balanced resource portfolio.

To support this goal, MCE considers the following strategies:

Optimizing Existing Procurement

As MCE considers its long-term resource needs, it evaluates options in its future PPAs for expanding or upgrading existing generating facilities to increase their output. Expanding existing facilities may provide additional generation at reduced costs with lower risk of project failure, as the need for transmission upgrades, distribution upgrades, and additional permitting activities may be reduced. However, MCE has experienced challenges receiving deliverability status for new-build resources due to transmission-upgrade issues. MCE continues to engage with stakeholders and developers to evaluate the feasibility of such expansions for implementation.

Annual Energy Solicitations

In addition to periodic joint solicitations, MCE will run targeted solicitations in the upcoming years to further optimize its portfolio needs. Such solicitations can provide MCE with the flexibility to meet MCE's unique portfolio needs and obligations.

MCE considers the deliverability characteristics of its resources, including the expected delivery profile, available capacity and dispatchability attributes, if any, associated with each of its generating resource and/or supply agreements. MCE also reviews the respective risks associated with short- and long-term purchases as part of its forecasting and procurement processes, including, but not limited to, transmission availability, MIC allocation, and exposure to global supply chain and market forces.

MCE's efforts will lead to a more diverse resource mix, address grid integration issues, improve the probability of project delivery, and provide value to MCE's member communities through reduced costs and support in achieving planned procurement objectives.

MCE has a well-established procurement process to steadily achieve its PCP over the next twenty years (*i.e.*, by 2045), which consists of the following ten key activities:

- Load forecasting based on the number and types of customers, potential service territory expansions, opt-out rates, electrification trends, demand-side resources and weather;
- Integrated resource planning based on load forecasts, renewables and emissions targets, agency-wide budgetary considerations and customer rate implications, long-term contracting requirements and goals for new steel in the ground, grid reliability needs and capacity requirements, market price hedging needs and goals for local resources, local resiliency and local workforce development;
- Calculating open positions and interim volumetric needs based on MCE's risk management policies;
- Soliciting volumetric needs through RFOs, bilateral discussions or brokers;
- Evaluating offers using a combination of proprietary and public models;
- Negotiating power purchase agreements, enabling agreements and confirms – including credit provisions and collateral requirements – and seeking Board approval, as required, to execute such agreements;
- Managing pre-COD executed contracts and monitoring progress towards key development milestones (such as interconnection status, deliverability studies, siting, zoning, permitting, financing, construction, commercial operation, etc.)

- Managing post-COD executed contracts: obtaining generation forecasts, bidding/scheduling resources into the CAISO markets, validating and paying invoices, etc.;
- Bidding/scheduling MCE's load into the CAISO markets; and
- Regulatory compliance reporting.

With respect to the fourth activity, MCE plans to conduct an "Open Season" RFO in the first half of each year for new renewable generation and storage projects. Over the next several years, MCE anticipates that the majority of its Open Season solicitations will result in the execution of long-term PPAs for new renewables and/or storage. MCE anticipates that such projects will achieve commercial operation within 3-5 years of contract execution. In its solicitations for long-term renewable energy and storage, MCE imposes numerous bid requirements on interested respondents, addressing a variety of considerations and identifying the best qualified suppliers of MCE's long-term renewable energy needs. Such requirements include:

a) Overall quality of response, inclusive of completeness, timeliness, and conformity;
b) Price and relative value within MCE's supply portfolio;
c) Project location and local benefits, including local hiring and prevailing wage considerations;
d) Project development status, including but not limited to progress toward interconnection, deliverability, siting, zoning, permitting, and financing requirements;
e) Qualifications, experience, financial stability, and structure of the prospective counterparty (including its ownership);
f) Environmental impacts and related mitigation requirements, including impacts to air pollution within communities that have been disproportionately impacted by the existing generating fleet;
g) Potential impacts to grid reliability and congestion;
h) Acceptance of MCE's standard contract terms; and
i) Development milestone schedule, if applicable.

In addition to its Open Season, MCE plans to solicit offers periodically throughout each year for the following products: short-term renewable energy, large hydro-electric, ACS, and RA. MCE will also solicit offers periodically for load-hedging products to balance its portfolio and adhere to position limits established through the agency's risk management approach.

MCE's risk management approach aims to procure low-cost supply that is diverse across technologies, production profiles, project sizes and locations, counterparties, lengths of contract, and timing of market purchases.

Considering MCE's forward load obligations and existing supply commitments, MCE's procurement process aims to balance supply and demand, as well as cost/rate stability and overall budgetary impacts, while leaving flexibility to take advantage of market opportunities and technological improvements as they arise. MCE monitors its open positions separately for each renewable generating technology, as well as for GHG-free resources, conventional resources, and its aggregate supply portfolio. MCE maintains portfolio coverage targets of up to 100% of expected customer energy requirements in the near-term (0 to 2 years). Typically, MCE has progressively larger open positions in the mid- to long-term, consistent with generally accepted industry practices.

In addition to its planned and proposed procurement activities, MCE also takes into consideration the various barriers that may impact its planned renewable projects. Some of the potential barriers for each of the new resources identified in MCE's PCP include:

- New Wind: The current market conditions have made new in-state wind resources scarce, which has led to a price premium and escalated cost risks on any available in-state wind resources. In addition, the transmission constraints and limited MIC allocation for out-of-state wind has made it difficult to negotiate and plan for new resources due to the uncertainty of deliverability.
- New Geothermal: Due to the scarcity of new geothermal projects in-state and the uncertainty of deliverability and transmission for out-of-state geothermal projects, there has been unprecedented competition for available geothermal, placing upward pressure on contract prices. If this trend continues, it may impact MCE's ability to procure new geothermal resources in the near-term. Next-generation geothermal technologies are also being considered by MCE to provide the same benefits of renewable baseload capacity provided by conventional geothermal.
- Hybrid Resources: Currently, most hybrid resources primarily consist of intermittent resources like solar paired with storage resources. As solar is highly affected by global supply chain issues, most planned projects are facing upward cost pressures and delays to project development timelines.
- Storage: Similarly, global supply chain issues and the scarcity of the raw materials required for battery production present risk and uncertainty in prices and expected delivery dates that may negatively impact MCE's planned portfolio and budgeted costs. Additionally, Foreign Entity of Concern (FEOC) restrictions imposed by the One Big Beautiful Bill Act (OBBBA) are forcing developers to revaluate their battery supply vendors to ensure compliance with the latest Internal Revenue Service (IRS) guidance, enabling their projects to receive all available federal tax credits. This procurement challenge introduces additional pricing risk into projects.

MCE continuously monitors market developments and engages with various market stakeholders, including the Commission, CAISO, and other CCAs, to strategize and find solutions to the barriers and risks associated with new clean energy procurement. Throughout the planning period, MCE will proactively evaluate its planned procurement and make adjustments to meet its portfolio needs, as determined by MCE's Board, and its operational and compliance needs.

i. Resources to meet IRP mandated procurement requirements, including D.21-06-035 and D.23-02-040

MCE continues to actively pursue, procure, and develop energy storage projects—both standalone and paired with renewable generation—to meet its Mid-Term Reliability ("MTR") requirements pursuant to D.21-06-035, D.23-02-040, and D.26-02-057. To identify additional projects that meet its MTR needs and IRP procurement obligations, MCE uses annual solicitations, formal RFIs and RFOs, and bilateral opportunities with project developers, as described in Section IV.a), above.

MCE's procurement requirements and the progress towards meeting them are displayed in Table 11 below. MCE has a small need remaining for firm, zero-emitting generation resources under D.21-06-035, and is making progress towards fulfilling its requirements under D.26-02-057.

Table 11: MCE's Procurement Requirements ordered under MTR Procurement

Procurement Order		D.21-06-035							D.23-02-040			
Year ordered online		2023	2024	2025	2026	2026	2026	2026	2027	2030	2031	2032
Incremental NQC		58	173	43	29*	29*	72	61	61	60	60	60
Description		Gen-eric	Gen-eric	Gen-eric	LDS	Clean Firm	DCPP replac emen t	Gen-eric	Gen-eric	Gen-eric**	Gen-eric**	Gen-eric**
Resource	Type											
Daggett Solar project	Hybrid	58.1	7.7				45.9					
Strauss	Wind		15.4									
Golden Fields solar project	Hybrid			43			34.4	19.5	6.9			
Geysers	Geother mal					6.5						

Cormorant storage	BESS		149.9					41.6				
Corby storage	BESS									22		
Key	LDS BESS				30.5							
Humboldt House	Geothermal					18.6						
Allium	Hybrid										35.2	
Roccasec-ca	BESS								54.3	11.7		
Mulquee-ney	Wind									26.3	1.7	
Total		58.1	173	43	30.5	25.1	80.3	61.1	61.1	60	36.9	0

*LLT resource requirements are divided into half from long-duration storage and half from firm, zero-emitting generation resources.
**All procurement must come from clean energy-generating resources, and one quarter of the procurement must come from either clean, firm power, or long duration energy storage.

Description of Resources Used to Meet IRP Procurement Mandates

- Geysers

Geysers is a new build 7 MW geothermal project located in Sonoma County, California. The project achieved commercial operation on June 1, 2025, and MCE intends to apply this resource toward its long-lead-time, firm-clean procurement requirements under D.21-06-035 and D.23-02-040. The Geysers project is represented in the 8 MMT RDT as incremental capacity as stated in row 36 of the unique_contracts tab in MCE's RDT.

- Golden Fields Solar IV

Golden Fields Solar IV is a new-build hybrid project located in Kern County that pairs 100 MW of solar with 92 MW of four-hour battery storage. The project achieved commercial operation on August 8, 2025, and MCE intends to apply this resource toward its procurement requirements under D.21-06-035 and D.23-02-040, including the subset of MCE's requirement intended to replace the Diablo Canyon Power Plant ("DCPP"). The Golden Fields Solar IV project is represented in the 8 MMT RDT as incremental capacity as stated in row 4 of the unique_contracts tab in MCE's RDT.

- Mulqueeney Wind Energy, LLC:

Mulqueeney Wind Energy, LLC is a new build 80 MW wind project located in Alameda County. The project has an expected commercial operation date in 2027, and MCE intends to apply this resource toward its procurement requirements under D.21-06-035 and D.23-02-040. The interconnection queue positions are Q-1277 and Q-1459, and all transmission upgrades needed for the project have been completed. The Mulqueeney Wind project is represented in the 8 MMT RDT as incremental capacity as stated in row 15 of the unique_contracts tab in MCE's RDT.

- Allium Hybrid, LLC

Allium Hybrid, LLC is a new-build hybrid project located in San Benito County that pairs 110 MW of solar with 110 MW of four-hour battery storage. The project has an expected COD of May 2031, and MCE intends to apply this resource toward its procurement requirements under D.21-06-035 and D.23-02-040. The interconnection queue position is Q-1921, and the project will connect via the Crazy Horse Canyon-Hollister 115 kV Line Tap. Transmission upgrades are expected to be completed in December 2030 and are described in Appendix A to the Large Generator Interconnection Agreement ("LGIA"), including participating transmission owner reliability network upgrades. The Allium project is represented in the 8 MMT RDT as incremental capacity as stated in row 9 of the unique_contracts tab in MCE's RDT.

- Humboldt House Geothermal, LLC

Humboldt House Geothermal, LLC is a new build 20 MW geothermal project located in Pershing County, Nevada. The project has an expected COD of February 2028, and MCE intends to apply this resource toward its procurement requirements under D.21-06-035. Transmission upgrades are currently being evaluated and an updated Interconnection Agreement is expected in August 2026. The Humboldt House project is represented in the 8 MMT RDT as incremental capacity as stated in row 8 of the unique_contracts tab in MCE's RDT.

- Corby Energy Storage, LLC

Corby Energy Storage, LLC is a new 100 MW four-hour battery storage project located in Solano County. The project is contracted to come online in April 2027, although permitting may delay the online date, and MCE intends to apply this capacity toward its procurement requirements under D.23-02-040. The interconnection queue position is Q-1270, and the project will connect at the Vaca-Dixon Substation. Corby is represented in the 8 MMT RDT as incremental capacity as stated in row 7 of the unique_contracts tab in MCE's RDT.

- Key Energy Storage, LLC

Key Energy Storage, LLC is a new 35 MW eight-hour battery storage project located in Fresno County. The project has an expected COD of April 2027, and MCE intends to apply this resource toward its procurement requirements under D.21-06-035. The interconnection queue position is Q-1479, and the project will connect at the Gates Substation, 500 kV Bus. Key is represented in the 8 MMT RDT as incremental capacity as stated in row 6 of the unique_contracts tab in MCE's RDT.

- Cormorant Energy Storage, LLC

Cormorant Energy Storage, LLC is a new 250 MW four-hour battery storage project located in San Mateo County. The project has an expected COD of August 2028, and MCE intends to apply this resource toward its procurement requirements under D.23-02-040. The interconnection queue position is Q-1552, and the project will connect at the Martin Substation. Cormorant is represented in the 8 MMT RDT as incremental capacity; please refer to row 5 of the unique_contracts tab in MCE's RDT.

- Roccasecca BESS, LLC

Roccasecca BESS, LLC is a new 126.59 MW four-hour storage project located in Clark County, Nevada. The project has an expected COD of March 2027, and MCE intends to apply this resource toward its procurement requirements under D.21-06-035 and D.23-02-040. The interconnection queue position is Q-1347, and the project will connect at the Sloan Canyon Switching Station. The Roccasecca project is represented in the 8 MMT RDT as incremental capacity; please refer to row 14 of the unique_contract tab in MCE's RDT.

- Daggett Solar

Daggett Solar is a new-build hybrid project located in San Bernandino County that pairs 110 MW of solar with 60 MW of four-hour battery storage. The project achieved commercial operation on August 25, 2023, and MCE intends to apply this resource toward its procurement requirements under D.21-06-035, including the subset of MCE's requirement intended to replace the Diablo Canyon Power Plant ("DCPP"). The Daggett solar project is represented in the 8 MMT RDT as incremental capacity; please refer to row 2 of the unique_contracts tab in MCE's RDT.

- Strauss Wind Energy, LLC

Strauss Wind Energy, LLC is a new build 93 MW wind project located in Alameda County. The project achieved COD on December 20, 2023, and MCE intends to apply this resource toward its procurement requirements under D.21-06-035. The Strauss Wind project is represented in the

8 MMT RDT as incremental capacity; please refer to row 3 of the unique_contracts tab in MCE's RDT.

ii. Plans for resources that are currently non-candidate in CPUC's IRPs not described above

Open Season RFO

After counting the above-mentioned resources totaling 548.8 MW of NQC under contract, MCE is on track to meet or exceed its assigned 332 MW of NQC capacity requirement identified in D.21-06-035 and 122 MW of NQC identified in D.23-02-040. To fill current and future open positions, MCE issues annual Open Season RFOs, which seek to fill approximately 350 GWh of annual energy needs, including any incremental procurement that will be needed to fill the remaining needs under D.26-02-057. These RFOs request offers for Portfolio Content Category 1 Renewable Energy and stand-alone, front-of-the-meter energy storage.

MCE expects to count projects selected in future RFOs towards any future Commission-directed incremental capacity obligations. While MCE does not anticipate that the new projects will be needed for MCE's share of capacity requirements identified in D.21-06-035 and D.23-02-040, they may serve as backup if any of the projects identified above are unsuccessful. As these resources are expected/planned and not currently contracted for, they are reflected as "review," "PlannedExisting," and "PlannedNew" resources in MCE's RDT.

Out-of-state wind

MCE's PCP includes 545 MW of planned new, out-of-state wind ("OOS"), with deliveries commencing in 2030 and building up through 2045. MCE has reviewed wind projects that have been offered in recent solicitations and understands that the transmission projects needed to connect OOS Wind to the CAISO grid require significant lead times. OOS wind opportunities rely on existing firm transmission routes into the CAISO or construction of new transmission with the appropriate level of import allocations and deliverability assurances for California LSEs. Absence of such assurances make it difficult for MCE to realize the significant potential for wind located in Idaho, Wyoming, Arizona and New Mexico. Given the fact that OOS Wind is not needed until 2030, MCE believes that a careful and considered approach to potential OOS Wind projects is best. MCE will continue to monitor opportunities to purchase such resources and will evaluate offers it receives during its annual open season process.

iii. Other renewable energy not described above

MCE has a 100 MW existing geothermal contract expected to start delivery on January 1, 2027.

iv. Other energy storage not described above

MCE is not actively planning any additional energy storage investments beyond what is described above.

v. Other demand response not described above

MCE's demand response and demand-side management efforts are described in Section III.b).

vi. Other energy efficiency not described above

MCE is an administrator of California's ratepayer-funded energy efficiency ("EE") programs alongside IOUs and Regional Energy Networks ("REN"). Ratepayer funding is derived through collection of the Public Purpose Program ("PPP") charge from all electric service customers and is administered by the Commission. MCE currently administers programs in multifamily, single family, commercial, agriculture, and industrial sectors and has received Commission funding approval for EE programs to be administered through 2027. Portfolio performance is evaluated through multiple CPUC metrics, including Total System Benefit ("TSB") and cost-effectiveness measures such as the Total Resource Cost ("TRC") test.

Beginning with the 2024 program year, the CPUC transitioned from separate energy and peak demand savings goals, such as kilowatt-hour, kilowatt, and therm savings, to TSB as the single goals metric for energy efficiency portfolios. The CPUC adopted this approach because first-year savings alone do not fully capture the value of energy efficiency, including lifecycle savings, hourly and seasonal grid value, greenhouse gas reductions, capacity benefits, and the long-term value of measures. TSB expresses these benefits in dollar terms and is intended to encourage portfolio administrators to pursue savings that deliver higher system value.

TRC remains an important companion metric as it measures whether the benefits of energy efficiency exceed the costs from a total resource perspective. For IOU and CCA portfolio administrators, including MCE, the CPUC requires the resource acquisition segment of the portfolio to demonstrate forecast cost-effectiveness using the TRC test, excluding Codes and Standards. As a result, MCE's portfolio must be understood through both lenses: TSB shows the forecasted system value delivered by the portfolio, while TRC demonstrates whether the resource acquisition portion of the portfolio is cost-effective.

MCE forecasts Total System Benefit of approximately $21.7 million in 2026 and $23.7 million in 2027 under the current 2024–2027 portfolio cycle. Beginning in 2028, the forecast reflects the next energy efficiency application cycle for program years 2028–2035. The decrease from 2027 to 2028 therefore reflects a new application and planning cycle, updated assumptions, and

refreshed portfolio forecasts rather than a simple year-over-year decline in portfolio performance. From 2028 through 2035, MCE's forecasted TSB increases annually, indicating continued growth in the expected system value of MCE's energy efficiency portfolio.

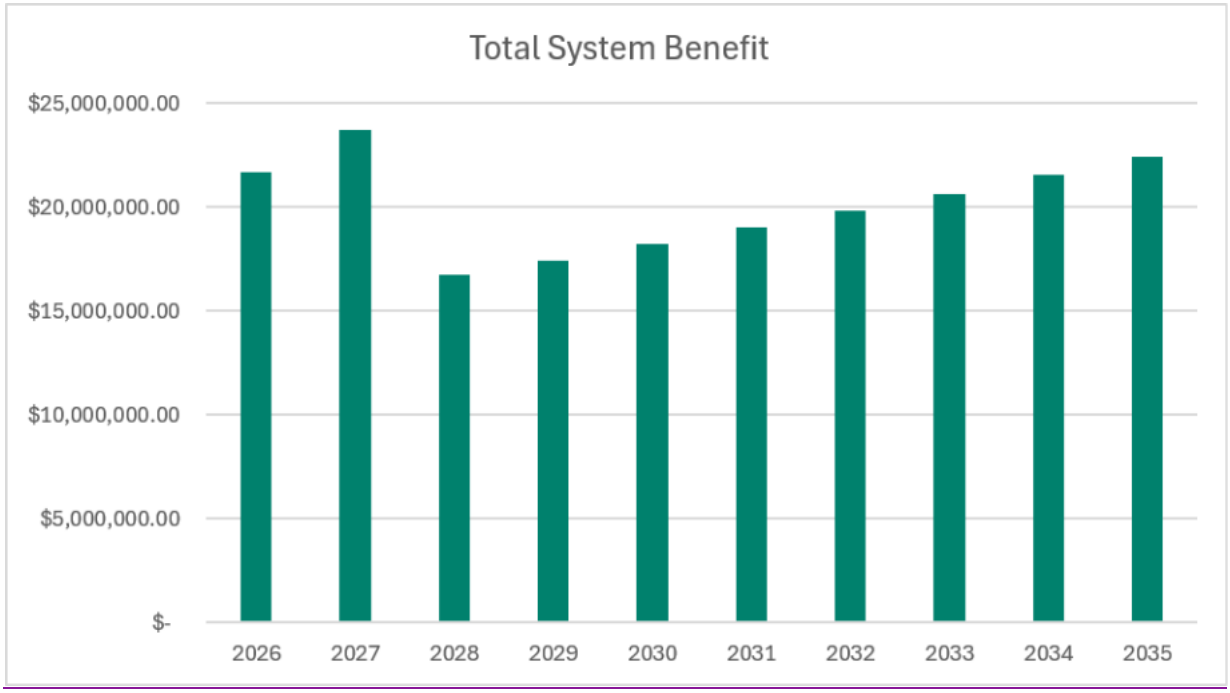


Figure 5: Total System Benefit of MCE's EE portfolio (2026-2035)

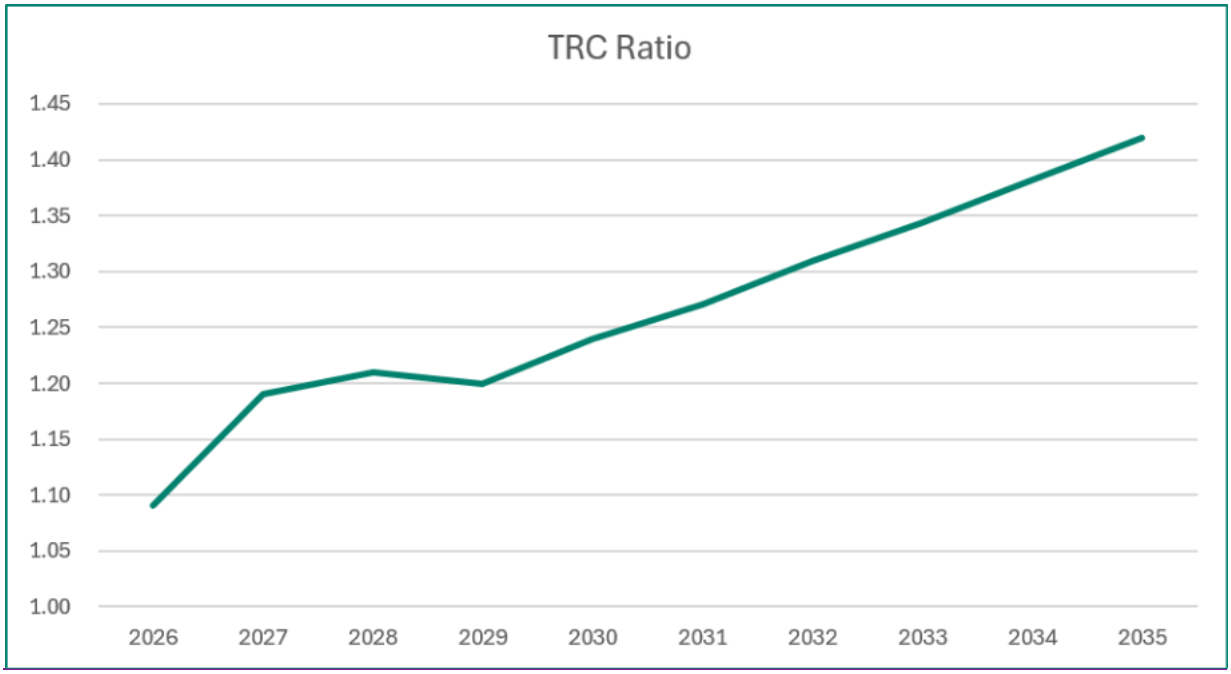


Figure 6: TRC ratio of MCE's EE portfolio (2026 - 2035)

- Multifamily Strategic Energy Management Program

The Multifamily Strategic Energy Management ("MF SEM") program serves multifamily property-management companies and their residents with a goal of achieving low-cost and no-cost energy savings that are sustained through behavioral and operational changes and the adoption of best practices. MF SEM uses a holistic, whole-property approach that employs a Normalized Meter Energy Consumption ("NMEC") methodology and dynamic baseline models to determine eligible energy savings from all program activity at the property. MF SEM moves the energy-management conversation beyond traditional capital-equipment upgrades by focusing on internal processes, systems, and policies that can be improved to save energy. Savings are realized year-over-year as participating organizations develop more knowledge in a culture of continuous improvement.

The program serves properties by identifying and implementing energy-saving upgrades that would not have been possible without the program's support. Participating properties progress through a series of facilitated workshops that teach participants skills like how to map energy usage across their respective properties and develop a list of the most promising opportunities for energy savings. Savings estimates and customer incentives for operations and maintenance ("O&M"), retro-commissioning ("RCx"), and behavioral measures are calculated using pre- and post-project interval meter data.

The program addresses market barriers by providing:

- Customized technical assistance to overcome challenges associated with the diversity of building types, ownership types, and billing configurations, and to help with analyzing potential upgrade measures.
- Property management and tenant engagement.
- Energy-tracking models.
- Assessments of low-cost/no-cost, behavioral, O&M, and capital opportunities throughout the property.
- A range of participation options to best meet the current needs and abilities of properties.

As of January 2026, MCE has provided 5,300 multifamily units energy efficiency improvement, with 328 units receiving no-cost electrification measures through this program. The program saved 196,000 kWh and 1,900 therms.

Looking forward, the program will focus on serving existing program participants in their energy-efficiency efforts with a planned closure at the end of 2027. As the MCE program sunsets, the focus will be on connecting customers to other programs and maintaining a positive relationship with MCE.

- <u>Energy Management Program</u>

The MCE Energy Management Program is a comprehensive program designed for agricultural, industrial, and commercial customers within MCE's service area. The program is designed to provide individualized services to identify energy efficiency opportunities, develop and evaluate implementation options, and provide incentives in the form of technical assistance, money-back rebates, and financing.

MCE employs multiple participation pathways, leaning heavily on Strategic Energy Management as a primary strategy for engaging customers, while also offering the opportunity to pursue deemed rebates and custom projects to realize energy efficiency and cost-effectiveness goals. The Energy Management Program includes the following objectives:

- Improve education and knowledge about energy use and associated economic and environmental impacts in the agricultural and industrial sectors within MCE's service area.
- Provide customers with a single point of contact ("SPOC") for their energy journey, while also connecting them to other available local and regional offerings.
- Ensure program impacts are verifiable and defensible, and that incentive payments align with realized savings where feasible.

As of 2026, the Energy Management program has 28 active customers in the SEM sub-program, spanning from large industrial sites to commercial office buildings. The program anticipates some of the largest natural gas savings projects to be completed, upward of 900,000 therms. In addition, there are planned projects for LED lighting, furnace retrofits, refrigeration and commercial-scale heat pump water heaters.

- Flex Market

MCE's Commercial and Residential Efficiency Market Programs provide energy efficiency incentives directly to project developers or contractors known as aggregators. The incentives are based on metered energy savings, instead of traditional energy efficiency programs, which utilize deemed or custom models. As a result, these programs do not limit the technology or energy saving strategies implemented, resulting in the opportunity to maximize energy efficiency and load-shifting projects.

As the incentive is paid directly to the aggregator, the value is passed along to the customer in the way that best drives the success of the project, either by buying down upfront costs or being paid out based on site performance.

In 2025, the Commercial Flex Market program primarily delivered lighting and HVAC energy management system controls projects, which yielded:

- 21 projects, with 29 additional projects completed through June 2026.
- 5 participating project aggregators.
- Annual savings of 523,000 kWh.
- Annual TSB of $81,021.

MCE applied to the CPUC for approval of its 2028-2031 EE Portfolio Plan, which includes a goal of achieving 65 completed commercial projects per year.

The Residential Flex Market program delivered exclusively heat pump water heating projects in 2025, which yielded the following metrics:

- 21 projects throughout MCE’s four county service areas.
- 6 participating aggregators submitted projects.
- Annual savings of 2,992 therms.

MCE aims to install EE equipment in approximately 200 single-family homes per year through the Residential Flex Market program throughout the next program cycle of 2028-2031,

- Small Business Energy Advantage

The Small Business Energy Advantage (SBEA) program serves MCE’s small and medium businesses located in Disadvantaged Communities and low-income neighborhoods with the goal of delivering meaningful bill savings, energy-efficiency education, and other non-energy

benefits. SBEA participants receive site assessments, select energy-saving upgrades, and are assigned installers to complete no cost and reduced-cost projects. SBEA partners with local community-based organizations ("CBO") and Green Business Programs ("GBP") to further outreach efforts and ensure equitable access to program resources.
Program goals are to:

- Provide sustained energy efficiency benefits, including those focused during the summer peak period of 4-9pm June – September.
- Improve equitable access to program services through local engagement by building an Outreach Network Team ("ONT") made up of CBOs and GBPs.
- Deliver meaningful energy savings and bill savings.
- Focus on delivering Non-Energy Benefits ("NEB") such as improved health, comfort, and safety.
- Fill gaps in services that are not currently provided by other MCE programs.

In 2025, SBEA completed 167 energy efficiency projects at 165 small businesses, resulting in estimated bill savings of $82,500 per year across all participants. Of the projects completed, 137 were participants located in low-income census tracts, 54 were in DACs, and 133 were businesses that qualified as Hard-to-Reach ("HTR").[20] The program aims to build on this momentum by further investing in a community-driven approach to outreach and engagement.
The program goals for 2026 are:

- Conduct two door-to-door community campaign events.
- Onboard one to two CBOs.
- Enroll 140 small businesses to receive energy-saving upgrades.
- Educate 204 customers with tips and tricks to further save energy.

MCE aims to install EE equipment in 500 qualifying small businesses in the program period 2028-2031. MCE has a long-term goal of ensuring that greater than 50 percent of the approximately 20,000 small businesses in the program's service area have been engaged and offered EE upgrades.

vii. Other distributed generation not described above

- Energy Storage

MCE's Energy Storage Program, launched in 2020, provides rebates, monthly bill credits and financing to support residential and non-residential customers to install battery energy storage systems paired with solar, in exchange for allowing MCE to discharge the battery daily from 4-

[20] The CPUC developed specific criteria to qualify customers as Hard-to-Reach as defined in Resolution G-3497. https://docs.cpuc.ca.gov/PublishedDocs/Published/G000/M143/K573/143573160.PDF.

9pm to manage peak loads and mitigate high energy costs. Non-residential customers may also qualify for annual performance-based payments.

Since launching its Energy Storage program, MCE has supported the installation of nearly 3 MWh of batteries across 90 commercial and residential projects. Funding for the program included a $750,000 grant from the Marin Community Foundation, more than $1 million in direct MCE program incentives to reduce customer out-of-pocket costs, and over $1 million in incentives from the CPUC's Self-Generation Incentive Program ("SGIP").
Although the program is closed to new enrollments, MCE has completed recruitment of new critical facilities, pending funding from the US Department of Energy ("DOE") by 2028.

- Solar Storage Credit

MCE offers customers with solar and storage at their home a monthly bill credit ($10-$20) in exchange for automating battery discharge down to a 20% reserve margin daily from 4-9 PM. As of January 2026, there are 1,560 customers enrolled in the credit program, with a goal of enrolling 2447 residential customers by the end of 2026. MCE is currently evaluating how MCE will continue this program, pending funding from the CPUC.

viii. Transportation electrification, including any investments above and beyond what is included in Integrated Energy Policy Report (IEPR)

- EV Charging

MCE's EV Charging program provides EV charging station rebates, with bonus incentives for stations connected to 100% renewable energy service, free technical assistance to support the property manager, and tenant education and engagement to speed up EV adoption.
The program offers:

- Up to $4,500 per networked Level 2 charging port
- Up to $2500 per networked Level 1 or Level 2 charging outlet
- An additional $500 per port for projects located in a designated priority population per CES 4.0 and publicly accessible
- Expanding EV charging access for residents of affordable multifamily housing in Marin County by installing free EV charging stations through a Marin Community Foundation grant.
- Support to align and combine with other EV charging incentives

As of January 2026, the EV Charging program has installed 1,400 new charging ports at 142 locations, with the goal of installing 300 additional ports by April 2027.

- EV Instant Rebates

MCE's EV Instant Rebate program lowers the cost of purchasing or leasing EVs for income-qualified customers. The program offers up to $3,500 in savings ($3,500 for new and $2,000 for used) on the purchase or lease of an EV at participating dealerships. MCE's EV Instant Rebate can be combined with other available incentives to maximize savings, depending on vehicle and customer eligibility.

As of January 2026, the EV Instant Rebate program has helped 2,388 low-income customers purchase or lease an EV, with the goal of helping a total of 876 participants by April 2027.
To ensure that the rebates are used to serve the most in-need customers, MCE is working to strengthen the income verification process. This will include mandatory quarterly income verification for a percentage of program participants and rebate claw backs for customers who don't meet requirements.

- Bidirectional Vehicle Tariff Pilot

MCE's Bidirectional Vehicle tariff is a three-year pilot, launched in 2025, that provides customers a credit for energy exported from a compatible EV to their property (Vehicle-to-Home) or directly to the grid (Vehicle-to-Grid) during peak time periods of the day. As a pilot, MCE reserves the right to limit the number of customers enrolled in the tariff.
This technology is still in an early phase of development and is not yet commercially available to most customers. MCE is actively tracking the availability and adoption of this technology to determine when it makes sense to invest in the data collection tools needed to implement this tariff.
The pilot tariff offers the following incentives:

- 2025 Incentive Rates
  - Summer: $0.26/kWh
  - Winter: $0.20/kWh
- Maximum Monthly Bill Credits
  - Residential: $70 ($90 if located in a state-designated disadvantaged community)
  - Commercial: $300 ($400 if located in a state-designated disadvantaged community)

ix. Building electrification, including any investments above and beyond what is included in Integrated Energy Policy Report (IEPR)

- Green Workforce Pathways

MCE's Green Workforce Pathways (GWP) program supports the development of the residential energy-efficiency and electrification workforce by enhancing the skills of the existing contractor

workforce and creating pathways for job seekers into sustainable, long-term careers in building electrification. For contractors, MCE offers funding to attend industry training opportunities as well as connections to vetted job seekers. For job seekers, MCE creates pathways into sustainable, long-term careers.

The GWP program provides technical support in electrification and home performance to residential contractors, as well as access to industry-focused educational opportunities for new and existing staff. GWP also provides individualized wraparound support services for job seekers, including interview and resume skills, as well as sourcing and matching job seekers with local residential energy efficiency and electrification contractors. The program is designed to leverage industry and stakeholder expertise to provide long-term, relevant training opportunities for the existing energy efficiency and electrification contractor workforce, as well as sustainable, long-term career on-ramping opportunities for job seekers.

As of January 2026, the GWP program has enrolled 11 local contractors to provide on-the-job experience to local job seekers. MCE provided supportive job placement services for 190 trainees and 50% of trainees placed with local contractors were hired into permanent jobs.

Looking ahead, MCE will continue:

- Leveraging relationships with residential decarbonization programs, industry trade groups, and trade ally memberships to promote regional workforce development in residential energy efficiency and decarbonization.
- Strengthening the pipeline for jobseeker-to-contractor matchmaking throughout all MCE service area counties.
- Targeting outreach to electrification contractors in MCE's service area.
- Providing stipends to contractors and their staff to participate in approved industry-led electrification training.
- Offering Career Readiness Workshops and soft skills training to job seekers in partnership with workforce development agencies and their trainees, as well as program participants.

- <u>Home Energy Savings</u>

MCE's single-family direct-install Home Energy Savings ("HES") Program focuses on improving home efficiency, making homes building-electrification-ready, and installing electrification technologies. The program provides no-cost energy-saving gifts, home assessments, and home upgrades to eligible single-family homeowners and renters in MCE's service area. As a result, the program delivers energy savings, improves comfort, enhances indoor air quality, and contributes to the reduction of greenhouse gas emissions.

The HES program targets customers in DACs whose household income falls between 200% and 400% of the Federal Poverty Guidelines, but who are still income-constrained (moderate income) and unable to participate in shared-cost market-rate programs.
The program goals are to:

- Provide comprehensive home upgrades to improve the efficiency of low- to moderate-income single-family homes.
- Increase knowledge about energy use and associated economic and environmental impacts in the residential sector within MCE's service area.
- Serve customers via a SPOC for the customers' energy journey, while also connecting them to other available local and regional offerings.
- Ensure program measures and the delivery model meet customer needs, produce health, safety, and comfort benefits, and achieve forecasted savings targets.

MCE has provided energy efficiency or electrification upgrades to 2,105 single family homes from 2019 to 2025.

Looking ahead, MCE plans to maintain the Home Energy Savings Program as a comprehensive home upgrade offering. The program will continue to target moderate-income single-family customers, while serving all low- to moderate-income residents who qualify and build greater trust with these customers. The program will continue to focus on improving home energy efficiency, with an emphasis on electrification-readiness and ways to increase its electrification offerings.

- <u>Multifamily Energy Savings</u>

The Multifamily Energy Savings Program ("MFES") delivers energy-efficiency and electrification improvements to affordable multifamily properties within MCE's service area. MFES provides no-cost technical assistance and rebates to property owners and tenants to support the adoption of comprehensive high-efficiency electrification and energy-efficiency measures. The program supports efforts to decarbonize and increase energy efficiency in existing affordable multifamily buildings, particularly those that have been traditionally underserved by energy-efficiency programs.

The program addresses key market barriers by:

- Providing customized technical assistance to navigate challenges related to diverse building types, ownership structures, and billing configurations
- Educating property owners on participation options tailored to their property's needs and guiding them through potential upgrade opportunities
- Bridging funding gaps to support equitable whole-building improvements, even when certain units or measures do not qualify for other incentive programs

Through flexible incentives and comprehensive support, MFES empowers property owners to implement meaningful improvements that enhance comfort, reduce utility costs, and promote long-term sustainability.

Despite MFES' successes, building electrification—a key component of California's decarbonization strategy—remains out of reach for many multifamily properties in MCE's service area. To help close this gap, MCE launched the MFES Resource Program in 2026 to expand access to electrification incentives, financial support, and technical assistance beyond deed-restricted properties. MCE aims to install electrification measures in up to 1,200 units across 10-30 properties.

MCE is also increasing incentive levels for cost-effective electrification measures. The MFES team will continue to leverage partnerships with BayREN and others to connect shared customers with the program offerings that best maximize benefits for tenants and property owners. MCE will also continue to support commercialization of new high-efficiency technologies and making the technologies accessible to affordable multifamily communities.

- Electrification Incentives

MCE offers rebates to contractors for each energy-efficient heat pump water heater ("HPWH") unit they install in the home of an MCE market-rate, low/moderate income homes and multifamily properties. This can be combined with other energy efficiency rebates to further reduce customer and contractor costs. As of January 2026, the program has supported the installation of over 700 electrification and electrification readiness measures, e.g. electrical circuitry, heat pump HVACs and heat pump water heaters, with the goal to install additional 685 additional measures by April 2027.

x. Potential Centralized Procurement, pursuant to AB-1373

MCE's PCP does not account for centralized procurement at this time. Should the Department of Water Resources (DWR) be successful in conducting centralized procurement of long-lead-time resources as set forth in D.24-08-064, MCE will commensurately adjust its procurement and planning strategy. MCE maintains its preference to conduct its own procurement per MCE's needs and load projections to build a robust and diverse portfolio.

b) Disadvantaged Communities

- Green Access Program

MCE's Green Access Program offerings are described in Section III.d.ii.

- Sustainable Workforce and Diversity Policy

In 2017, MCE's Board approved a Sustainable Workforce and Diversity Policy[21] to facilitate and encourage diversity and a sustainable workforce through its support for the following:

- Fair compensation in direct hiring, renewable development projects, customer programs, and procurement services.
- Development of locally generated renewable energy within the MCE service area.
- Direct use of union members from multiple trades.
- Quality training, apprenticeship, and pre-apprenticeship programs.
- Direct use of local businesses in MCE's service area.
- Development of California-based job opportunities.
- Business and workforce initiatives located in low-income and disadvantaged communities.
- Direct use of Disabled Veteran-owned Business Enterprises ("DVBE") and LGBT-owned Business Enterprises ("LGBTBE").
- Direct use of green and sustainable businesses.
- Use of direct hiring practices that promote diversity in the workplace.

MCE submits an annual Supplier Diversity Report[22] to the CPUC every March that outlines our voluntary work. MCE's supplier diversity efforts help businesses whose owners are women, minority, LGBTQ, and/or disabled veterans to access opportunities in California's energy sector. By leading our supplier diversity workshops and training sessions over several years, MCE has helped many businesses receive certification in the state's Supplier Diversity Clearing house to access utility contracts and more easily grow their local businesses.

In 2022, MCE adopted Sustainable Workforce Guidelines[23] to create a more detailed plan for implementing its Sustainable Workforce and Diversity Policy, further demonstrating its commitment to procuring resources that benefit our customers, our planet, and our future. These guidelines outline how MCE integrates these priorities into PPAs with third parties, MCE-owned or MCE-led power generation projects, and MCE customer programs, services, supplies, and direct hiring. For example:

- When possible, MCE shall give preference to projects within MCE's service area and to CBOs and local associations serving disadvantaged and low-income communities.

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[21] *See* MCE November 16, 2017, Board of Directors Meeting Packet, Agenda Item No. 7 Attachment A https://www.mcecleanenergy.org/wp-content/uploads/2020/05/MCE-Board-Meeting-Packet-November_2017.pdf

[22] *See* https://mcecleanenergy.org/wp-content/uploads/2025/03/2025_MCE_Supplier-Diversity-Report.pdf.

[23] *See* https://www.mcecleanenergy.org/wp-content/uploads/2022/05/MCE-Sustainable-Workforce-Guidelines_05122022.pdf.

- MCE has three tiers of requirements for union labor depending on the location of proposed projects. Projects located in Contra Costa County and over 1 MW in size must adhere to the terms of the Project Labor Agreement ("PLA") between MCE and International Brotherhood of Electrical Workers ("IBEW") Local 302 ("MCE/IBEW PLA"). Projects within Napa, Marin, or Solano County must participate in a PLA of similar scope and requirements with participating unions for workforce hired as described in the MCE/IBEW PLA. Projects outside of MCE's service area are encouraged to enter into project labor agreements of similar scope and requirements with participating unions for workforce as described in the MCE/IBEW PLA.
- For projects located in MCE's service area, 50% of work hours are required to come from permanent residents who reside within the same county as the project.
- MCE will not accept any proposals for projects that rely on equipment or resources built with forced labor. MCE adopted this prohibition two years ahead of federal law, signed by President Biden in June 2022.
- Any renewable development project that is developed or owned by MCE qualifies as a public works project and requires prevailing wages to be paid.

These efforts have resulted in significant local developments. To date, MCE has helped build over 46 MW of new renewable projects in our service area. All local projects over 1 MW were built with union labor. In 2025, MCE spent more than $19 million on small, local, and diverse businesses.

MCE also offers the DAC-GT program, as described above, that provides qualifying customers living in CalEnviroScreen-designated DACs access to 100% renewable energy and a 20% discount on their electricity bills for up to 20 years. The program is supported by the development of new clean resources. In developing its IRP, MCE carefully considered the impact of its resource procurement on DACs. MCE's PCP minimizes the use of fossil-based resources and unspecified system power over the planning horizon, reducing reliance on natural gas generators that have historically harmed DACs.

- <u>Ad Hoc Workforce Development</u>

Through its mission, MCE strives to grow the green economy, support local contractors, and provide equitable access to workforce development opportunities. In addition to the Green Workforce Pathways program, MCE led a $380,000 grant in partnership with the Marin Community Foundation and the LIME Foundation to train youth in Marin County for green careers through the NextGen Trades Academy. MCE continues to explore future opportunities for workforce development in its service area.

- Strategic Recruiting and Hiring Practices

MCE's recruiting and hiring practices include targeted job postings, partnerships with CBOs, education and employment organizations, physical attendance at job recruitment fairs, and the creation of diverse cross-departmental hiring panels. Some MCE jobs may substitute direct work experience for education requirements. MCE has also tailored employee benefit packages to be more inclusive and to apply to a broad range of people.

Equity is at the core of MCE's decision-making as it pertains to employment practices and decisions. Demonstrating its values, MCE's Human Resources team consistently conducts internal and external equity analyses pertaining to the agency's compensation-setting, promoting, and hiring best practices.

MCE also supports creating equitable job and economic development opportunities for members of MCE Communities. MCE offers paid internships for community members who may not otherwise have the opportunity to work in the renewable energy industry. In the internships, community members have the opportunities to work on meaningful projects, learn more about the renewable energy industry, and contribute to furthering MCE's mission.

- Community Power Coalition

MCE's Community Power Coalition[24] is a network of nearly 170 CBOs who advise MCE on areas including environmental, social, and racial justice issues as they intersect with the work of delivering renewable energy to MCE communities. These organizations also help MCE raise awareness and reach more customers. MCE's recruitment for the Coalition prioritizes organizations that:

- Expand awareness and access to affordable renewable services.
- Accelerate the transition to a clean energy future through workforce development training opportunities.
- Develop inclusive programs and policies at MCE.
- Identify just and equitable community collaboration opportunities aligned with MCE's environmental justice values.

MCE's Community Power Coalition offers expert advice on the needs of their constituents, including how MCE can best support underserved customers and environmental equity through its programs, policies, and procurement.

[24] *See* https://mcecleanenergy.org/climate-justice/#_communitypower.

c) LSEs' Tribal Customers

MCE's service area does not include service to any specific tribes or tribal customers. However, regarding unceded territories, MCE's service area sits in the territory of the Miwok (Coast Miwok and Bay Miwok), Ohlone (including Lisjan, Karkin, Muwekma) and Wintun People (South Patwin). MCE works to educate itself on indigenous communities and indigenous-serving organizations within its service area.

d) Procurement Products

MCE intends to utilize the physical energy products in procurement activities associated with its PCP as summarized in Table 12. Contracts are expected to be conducted bilaterally rather than via commodities exchanges. Individual contracts may be used to procure one or more of the following physical energy products (e.g., full-toll agreements).

Table 12: Summary of procurement products MCE intends to use

Product	Description
Physical energy, RPS qualifying	Renewable energy qualified to meet California RPS (preference for PCC1)
Physical energy, other carbon free	Non-carbon emitting energy that does not meet California RPS; e.g., large hydro, ACS
Physical energy, CAISO energy	Energy delivered to the CAISO grid from unspecified sources
Capacity, Net Qualifying Capacity	Capacity qualified to meet RA program standards

e) Commission Direction of Actions

MCE is not seeking any specific direction of actions from the Commission at this time. However, MCE notes that it is tracking and participating in the Commission's efforts to implement a new procurement program, the Reliable Clean Power Procurement Program ("RCPPP"). MCE looks forward to continued exploration of options for a programmatic approach toward procurement to meet IRP process goals. Whichever programmatic approach the Commission ultimately adopts, it is critical that the Commission ensure any new program equitably reflects an LSE's full contribution to system reliability, accurately determines and fairly allocates procurement need,

achieves California's environmental goals, and allows for flexibility to accommodate continuously evolving grid needs.

For example, the statewide load forecasts project substantial demand growth over the planning horizon, driven in large part by projected data center development that may or may not materialize. MCE encourages the Commission to work closely with the CEC and all LSEs to reduce the risk of costly over procurement for California ratepayers. MCE further encourages the Commission to allocate any reliability need associated with such load growth equitably and in accordance with cost-causation principles. Theories that such load is beneficial and can lower rates for all customers is largely unproven, and customers across the state should not be required to subsidize the reliability needs of data centers located outside of their service areas.

V. Lessons Learned

MCE shares the Commission's commitment to robust and comprehensive integrated resource planning. MCE understands the significant procedural complexity that defines the Commission's IRP development. Accordingly, this complexity extends to individual LSEs as they implement statutory and regulatory requirements into their resource planning efforts. In addition to the statutory requirements articulated in 454.52(a)(1)(A) -(I), MCE's resource planning process must also give deference to its Board of Directors, which is granted statutory authority to govern MCE's procurement and approve MCE's IRP under 454.52(b)(3) and 366.2(a)(5).

To meet all the aforementioned statutory objectives and requirements, it is critical for MCE and other similarly situated LSEs to receive clear and timely guidance from the Commission, along with adequate time to incorporate this guidance into its planning process. MCE appreciates the Commission taking steps in this IRP cycle to adhere firmly to its timelines and reduce the number of template updates. MCE encourages the Commission to continue this work aiding all stakeholders in meeting statutory requirements, as well as comprehensively and thoroughly addressing the state's resource planning efforts.

VI. Glossary of Terms

Alternative Portfolio: LSEs are permitted to submit "Alternative Portfolios" developed from scenarios using different assumptions from those used in the Preferred System Plan with updates. Any deviations from the "Conforming Portfolio" must be explained and justified.
Approve (Plan): the CPUC's obligation to approve an LSE's integrated resource plan derives from Public Utilities Code Section 454.52(b)(2) and the procurement planning process described

in Public Utilities Code Section 454.5, in addition to the CPUC obligation to ensure safe and reliable service at just and reasonable rates under Public Utilities Code Section 451.

Balancing Authority Area (CAISO): the collection of generation, transmission, and loads within the metered boundaries of the Balancing Authority. The Balancing Authority maintains load-resource balance within this area.

Baseline resources: Those resources assumed to be fixed as a capacity expansion model input, as opposed to Candidate resources, which are selected by the model and are incremental to the Baseline. Baseline resources are existing (already online) or owned or contracted to come online within the planning horizon. Existing resources with announced retirements are excluded from the Baseline for the applicable years. Being "contracted" refers to a resource holding signed contract/s with an LSE/s for much of its energy and capacity, as applicable, for a significant portion of its useful life. The contracts refer to those approved by the CPUC and/or the LSE's governing board, as applicable. These criteria indicate the resource is relatively certain to come online. Baseline resources that are not online at the time of modeling may have a failure rate applied to their nameplate capacity to allow for the risk of them failing to come online.

Candidate resource: those resources, such as renewables, energy storage, natural gas generation, and demand response, available for selection in IRP capacity expansion modeling, incremental to the Baseline resources.

Capacity Expansion Model: a capacity expansion model is a computer model that simulates generation and transmission investment to meet forecast electric load over many years, usually with the objective of minimizing the total cost of owning and operating the electrical system. Capacity expansion models can also be configured to only allow solutions that meet specific requirements, such as providing a minimum amount of capacity to ensure the reliability of the system or maintaining greenhouse gas emissions below an established level.

Certify (a Community Choice Aggregator Plan): Public Utilities Code 454.52(b)(3) requires the CPUC to certify the integrated resource plans of CCAs. "Certify" requires a formal act of the Commission to determine that the CCA's Plan complies with the requirements of the statute and the process established via Public Utilities Code 454.51(a). In addition, the Commission must review the CCA Plans to determine any potential impacts on public utility bundled customers under Public Utilities Code Sections 451 and 454, among others.

Clean System Power (CSP) methodology: the methodology used to estimate GHG, and criteria pollutant emissions associated with an LSE's Portfolio based on how the LSE will expect to rely on system power on an hourly basis.

Community Choice Aggregator: a governmental entity formed by a city or county to procure electricity for its residents, businesses, and municipal facilities.

Conforming Portfolio: the LSE portfolio that conforms to IRP Planning Standards, the 2030 LSE-specific GHG Emissions Benchmark, use of the LSE's assigned load forecast, use of inputs and assumptions matching those used in developing the Reference System Portfolio, as well as other IRP requirements including the filing of a complete Narrative Template, a Resource Data Template and Clean System Power Calculator.

Effective Load Carrying Capacity: a percentage that expresses how well a resource is able avoid loss-of-load events (considering availability and use limitations). The percentage is relative to a reference resource, for example a resource that is always available with no use limitations. It is calculated via probabilistic reliability modeling and yields a single percentage value for a given resource or grouping of resources.

Effective Megawatts (MW): perfect capacity equivalent MW, such as the MW calculated by applying an ELCC % multiplier to nameplate MW.

Electric Service Provider: an entity that offers electric service to a retail or end-use customer, but which does not fall within the definition of an electrical corporation under Public Utilities Code Section 218.

Filing Entity: an entity required by statute to file an integrated resource plan with CPUC.

Future: a set of assumptions about future conditions, such as load or gas prices.

GHG Benchmark (or LSE-specific 2030 GHG Benchmark): the mass-based GHG emission planning targets calculated by staff for each LSE based on the methodology established by the California Air Resources Board and required for use in LSE Portfolio development in IRP.

GHG Planning Price: the systemwide marginal GHG abatement cost associated with achieving a specific electric sector 2030 GHG planning target.

Integrated Resources Planning Standards (Planning Standards): the set of CPUC IRP rules, guidelines, formulas, and metrics that LSEs must include in their LSE Plans.

Integrated Resource Planning (IRP) process: integrated resource planning process; the repeating cycle through which integrated resource plans are prepared, submitted, and reviewed by the CPUC

Long term: more than 5 years unless otherwise specified.

Load Serving Entity: an electrical corporation, electric service provider, community choice aggregator, or electric cooperative.

Load Serving Entity (LSE) Plan: an LSE's integrated resource plan; the full set of documents and information submitted by an LSE to the CPUC as part of the IRP process.

Load Serving Entity (LSE) Portfolio: a set of supply- and/or demand-side resources with certain attributes that together serve the LSE's assigned load over the IRP planning horizon.

Loss of Load Expectation (LOLE): a metric that quantifies the expected frequency of loss-of-load events per year. Loss-of-load is any instance where available generating capacity is insufficient to serve electric demand. If one or more instances of loss-of-load occurring within the same

day regardless of duration are counted as one loss-of-load event, then the LOLE metric can be compared to a reference point such as the industry probabilistic reliability standard of "one expected day in 10 years," i.e., a LOLE of 0.1.

Maximum Import Capability: a California ISO metric that represents a quantity in MWs of imports determined by the CAISO to be simultaneously deliverable to the aggregate of load in the ISO's Balancing Authority (BAA) Area and thus eligible for use in the RA process. The California ISO assess a MIC MW value for each intertie into the ISO's BAA and allocated yearly to the LSEs. A LSE's RA import showings are limited to its share of the MIC at each intertie.

Net Qualifying Capacity (NQC): Qualifying Capacity reduced, as applicable, based on: (1) testing and verification; (2) application of performance criteria; and (3) deliverability restrictions. The Net Qualifying Capacity determination shall be made by the California ISO pursuant to the provisions of this California ISO Tariff and the applicable Business Practice Manual.

Non-modeled costs: embedded fixed costs in today's energy system (e.g., existing distribution revenue requirement, existing transmission revenue requirement, and energy efficiency program cost).

Nonstandard LSE Plan: type of integrated resource plan that an LSE may be eligible to file if it serves load outside the CAISO balancing authority area.

Optimization: an exercise undertaken in the CPUC's Integrated Resource Planning (IRP) process using a capacity expansion model to identify a least-cost portfolio of electricity resources for meeting specific policy constraints, such as GHG reduction or RPS targets, while maintaining reliability given a set of assumptions about the future. Optimization in IRP considers resources assumed to be online over the planning horizon (baseline resources), some of which the model may choose not to retain, and additional resources (candidate resources) that the model is able to select to meet future grid needs.

Planned resource: any resource included in an LSE portfolio, whether already online or not, that is yet to be procured. Relating this to capacity expansion modeling terms, planned resources can be baseline resources (needing contract renewal, or currently owned/contracted by another LSE), candidate resources, or possibly resources that were not considered by the modeling, e.g., due to the passage of time between the modeling taking place and LSEs developing their plans. Planned resources can be specific (e.g., with a CAISO ID) or generic, with only the type, size and some geographic information identified.

Qualifying capacity: the maximum amount of Resource Adequacy Benefits a generating facility could provide before an assessment of its net qualifying capacity.

Preferred Conforming Portfolio: the conforming portfolio preferred by an LSE as the most suitable to its own needs; submitted to CPUC for review as one element of the LSE's overall IRP plan.

Preferred System Plan: The Commission's integrated resource plan composed of both the aggregation of LSE portfolios (i.e., Preferred System Portfolio) and the set of actions necessary to implement that portfolio (i.e., Preferred System Action Plan).
Preferred System Portfolio: the combined portfolios of individual LSEs within the CAISO, aggregated, reviewed, and possibly modified by Commission staff as a proposal to the Commission, and adopted by the Commission as most responsive to statutory requirements per Pub. Util. Code 454.51; part of the Preferred System Plan.
Short term: 1 to 3 years (unless otherwise specified).
Staff: CPUC Energy Division staff (unless otherwise specified).
Standard LSE Plan: type of integrated resource plan that an LSE is required to file if it serves load within the CAISO balancing authority area (unless the LSE demonstrates exemption from the IRP process).
Transmission Planning Process (TPP): annual process conducted by the California Independent System Operator (CAISO) to identify potential transmission system limitations and areas that need reinforcements over a 10-year horizon.

Attachment C

MCE's Resource Data Template Version 3

(PUBLIC VERSION)

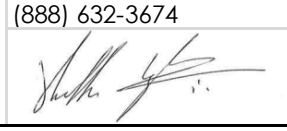
RDT Certification Form – Verification Declaration

Load Serving Entity Full Name:	Marin Clean Energy
Load Serving Entity Abbreviation:	MCE
Submission Type:	IRP Biennial Planning
Date of Filing:	8/3/26

Note: Consistent with Rules 1.1 & 1.11 of the CPUC's Rules of Practice and Procedure, this Procurement Showing has been verified by an officer of the corporation or organization, who expressly certifies, under penalty of perjury, the following:

1. I have responsibility for the activities reflected in this showing;
2. I have reviewed, or have caused to be reviewed, this showing;
3. Based on my knowledge, information, or belief, this filing does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made;
4. Based on my knowledge, information, or belief, this filing contains all of the information required to be provided by CPUC orders, rules, and regulations.

LSE Officer

Title:	Acting Chief Executive Officer, and Chief Operating Officer
Name:	Vicken Kasarjian
Email:	vkasarjian@mcecleanenergy.org
Phone:	(888) 632-3674
Signature:	

Backup Contact Information

Title:	Principal Manager, Power Analystics
Name:	Johnstone Kipyator
Email:	jkipyator@mcecleanenergy.org
Phone:	(888) 632-3674
Signature:	*/s/ Johnstone Kipyator*

Load Serving Entity Information

LSE Address Line 1:	1125 Tamalpais Avenue
LSE Address Line 2:	
LSE City:	San Rafael
LSE State:	CA
LSE Zip:	94901

lse_unique_contract_id	resource	alternative_resource_name	contract_status	project_interconnection_position	interconnection_substation	marginal_addition
Daggett_Solar_Generic	SISPRG_2_DS3SR2	DAGGET_7_N017,DAGGET_7_N018	Online	Q-1314	NA	NA
Strauss_PCC1_MCE	STRAUS_1_STRWD1	STRAUSSWIND	Online	WDT-1320	NA	NA
Golden_Fields_Solar_Generic	RSMNDS_2_RSESR1		Online	Q-1212	NA	NA
Cormorant_Storage_MCE	_NEW_GENERIC_BATTERY_STORAGE		Development	Q-1552		
Key_Storage_LD_MCE	_NEW_GENERIC_BATTERY_STORAGE		Development	Q-1479		
Corby_Storage_MCE	_NEW_GENERIC_BATTERY_STORAGE		Development	Q-1270		
Humboldt House_PCC1_MCE	_NEW_GENERIC_GEOTHERMAL		Development	Geothermal_Import_Planned	Will interconnect to Thunder Mountain Switching Station in NV Energy's North System and will be imported into CAISO at Mona	
Allium_PCC1_MCE	NEW_GENERIC_SOLAR_1AXIS	110MW_PV_110MW_BESS_4Hr_CentralCoast	Development	Q-1921	Crazy Horse Canyon-Hollister 115 kV Line Tap	
[redacted]						
Roccasecca_Storage_MCE	_NEW_GENERIC_BATTERY_STORAGE	StandAlone_Storage_126.5MW_4Hour_MCE _Tranche 4	Development	1347	Sloan Canyon Switching Station	
Mulqueeney_Wind_PCC1_MCE	_NEW_GENERIC_WIND_CA	Wind_80MW_MCE	Development	1277,1459	Tesla TS 230 kV bus	
Desert Harvest_MCE	DSRTHV_2_DH1SR1	DESERT HARVEST	Online		Red Bluff Substation	NA
Antelope 2_MCE	BGSKYN_2_AS2SR1		Online		SCE Antelope 220 kV	
Corcoran_MCE	CORCAN_1_SOLAR2	CORCCITY_7_N002	Online			
Goose Lake_MCE	GOOSLK_1_SOLAR1	GOSLKPV_7_N001	Online			
Great Valley_MCE	TRNQL8_2_ROJSR1	TRANQUILLITY 8 ROJO	Online			
Hay_MCE	PEABDY_2_LNDFL1	G2 ENERGY HAY ROAD POWER PLANT	Online			
Kern Tule_PCC1_1_LT_MCE	KRNCNY_6_UNIT	KRNCNYN_6_N001	Online		NA	NA
Lincoln_MCE	PLSNTG_7_LNCLND	LINCOLN LANDFILL POWER PLANT	Online			
Little Bear 1_MCE	LTBERA_1_LB1SR1	LITTLE BEAR SOLAR 1	Online		Mendota Substation	
Little Bear 3_MCE	LTBEAR_1_LB3SR3	LITTLE BEAR 3 SOLAR	Online		Mendota Substation	
Little Bear 4_MCE	LTBEAR_1_LB4SR4	LITTLE BEAR 4	Online		Mendota Substation	
Little Bear 5_MCE	LTBEAR_1_LB4SR5	LITTLE BEAR 4 SOLAR 5	Online		Mendota Substation	
MCE Solar 1_2.0_MCE	RICHMN_1_SOLAR	CHEVRON 2, RICHGEN_7_N002	Online		PG&E's 12.47 kV Richmond R 1129	
MCE Solar 1_8.5_MCE	RICHMN_1_CHVSR2	CHEVRON 8.5, RICHGN2_7_N001	Online		PG&E's 12.47 kV Richmond R 1120	
Mustang_MCE	MSTANG_2_SOLAR4	MUSTANG 4, Q643WC2_7_N003	Online			
Ostrom_MCE	WHEATL_6_LNDFIL	G2 ENERGY, OSTROM ROAD, LLC	Online			
Geysers_MCE	GEYS13_7_UNIT13		Online		NA	NA
Voyager II_MCE	VOYAGR_2_VOYWD3	VOYAGER WIND 3, VOYAGN3_7_N001	Online		Windhub Substation	
Windpower_PCC1_1_LT_MCE_Update	GARNET_1_WINDS	RENWD_1_QF, BUCKWND_1_N001	Online		Garnet Substation	
Redwood Landfill_MCE	NOVATO_6_LNDFL	REDWOOD RENEWABLE ENERGY, RDWDLNDF_7_N001	Online			
Geysers_PCC1_2_LT_MCE	_EXISTING_GENERIC_GEOTHERMAL		Online		NA	NA
Buena Vista_PCC1_1_MCE	_NEW_GENERIC_WIND_CA	WNDMSTR_2_N001	Development		PG&E's Buena Vista-Windmaster 230 kV line	
Buck_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online			
SR Airport_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online			
Cooley I_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online			
Cost Plus_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online			
Freethy 1_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online			
Freethy 2_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online			
Cooley_DRES Quarry 2.4_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online			
Oakley RV & Boat Storage_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online		NA	NA
Soscal Ferry Solar C_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online			
Soscal Ferry Solar D_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online			
American Canyon Solar A_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online			
American Canyon Solar B_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online			
American Canyon Solar C_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online			
SR Airport 2_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online			
EO Products_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online			

lse_unique_contract_id	resource	alternative_resource_name	contract_status	project_interconnection_position	interconnection_substation	marginal_addition
Silveira Ranch A_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online			
Silveira Ranch B_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online			
Silveira Ranch C_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online			
Lake Herman_PCC1_1_LT_MCE	BAHIA_2_LKHSR1		Online	EXXONBH_7_N005	PG&E's Bahia 1104 distribution circuit	NA
Byron Hot Springs_PCC1_2_LT_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online			
Oakley Phase 3_PCC1_1_LT_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online		NA	NA
Byron Highway_PCC1_1_LT_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online		NA	NA
Fallon_PCC1_1_LT_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online		NA	NA
Napa Self Storage_PCC1_1_LT_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online		NA	NA
CMSA_Updated_PCC1_2_LT_MCE	_EXISTING_GENERIC_BIOGAS_LANDFI LLGAS		Online		NA	NA
26SB 8me_PCC1_1_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online		SCE Windhub 220kV Switchyard	NA
TEA_PCC1_4_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online		NA	NA
TEA_PCC1_13_MCE	_EXISTING_GENERIC_WIND		Online		NA	NA
BP_PCC1_1_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online		NA	NA
Townsite_PCC1_1_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online			
SDG&E_PCC1_1_MCE	_EXISTING_GENERIC_WIND		Online			
ARICA_PCC1_1_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online		Red Bluff 230 kV substation	
GPC_PCC1_1_LT_MCE	EXISTING_GENERIC_GEOTHERMAL		Online			
[redacted]						
RESI_RA_2_NS_MCE	_EXISTING_GENERIC_DR		Online			
Midway_RA_1_NSF_MCE	SUNSET_2_UNITS		[redacted]			
Sunrise Power_RA_1_SSF_MCE	SUNRIS_2_PL1X3					
SEMPRA_RA_4_SS_MCE	TERMEX_2_PL1X3					
SENTINEL_RA_1_LF_MCE	SENTNL_2_CTG1					
Indigo_RA_1_SS_MCE	INDIGO_1_UNIT 2					
Watson_RA_1_SS_MCE	ARCOGN_2_UNITS					
Conflitti Jr_PCC1_DAC_1_LT_MCE	_EXISTING_GENERIC_SOLAR_FIXED		Online		Panoche 1102 distribution line, Panoche Substation	
Conflitti_PCC1_DAC_2_LT_MCE	PNOCHE_2_CEFSR1		Online		Panoche 1102 distribution line, Panoche Substation	
CES Electron Farm_RA_1_NS_MCE	PNOCHE_2_CEFSR1		Online		Panoche 1102 distribution line, Panoche Substation	
WAPA_BR_2_MCE	_EXISTING_GENERIC_INSTATE_LARGE HYDRO		Online			
[redacted]						
SENA_CF_16_MCE	_EXISTING_GENERIC_INSTATE_LARGE _HYDRO		Online			
CONSTEL_ACS_1_MCE	_EXISTING_GENERIC_NW_HYDRO		Online			
PG&E_Hydro_7_MCE	_EXISTING_GENERIC_INSTATE_LARGE _HYDRO		Online			
PG&E_Hydro_8_MCE_Allocation	_EXISTING_GENERIC_INSTATE_LARGE _HYDRO		Online			
PG&E_Nuke_2_MCE_Allocation	_EXISTING_GENERIC_NUCLEAR		Online			
SENA_CF_17_MCE	_EXISTING_GENERIC_INSTATE_LARGE _HYDRO		Online			
CCSF_PCC1_Sell_1_MCE	CORCAN_1_SOLAR2		Online			
EBCE_PCC1_Sell_2_MCE	GOOSLK_1_SOLAR1		Online			
CAM - DR Allocation	_EXISTING_GENERIC_DR		Online			
CAM - Peaker Allocation	_EXISTING_GENERIC_PEAKER		Online			
CAM - Storage	_EXISTING_GENERIC_BATTERY_STORA GE		Online			
Other CAM	_EXISTING_GENERIC_COMBINED_CYC LE		Online			
LT Geothermal 1	_NEW_GENERIC_GEOTHERMAL		PlannedNew			
LT Solar 1	_NEW_GENERIC_SOLAR_1AXIS		PlannedNew			
LT Storage 1	_NEW_GENERIC_BATTERY_STORAGE		PlannedNew			
LT Wind CA 1	_NEW_GENERIC_WIND_CA		PlannedNew			
LT Wind Out of State 1	_NEW_GENERIC_WIND_OOS_AZNM		PlannedNew			
LT Geothermal 2	_NEW_GENERIC_GEOTHERMAL		PlannedNew			
LT Solar 2a	_NEW_GENERIC_SOLAR_1AXIS		PlannedNew			
LT Storage 2a	_NEW_GENERIC_BATTERY_STORAGE		PlannedNew			
LT Solar 2b	_NEW_GENERIC_SOLAR_1AXIS		PlannedNew			
LT Storage 2b	_NEW_GENERIC_BATTERY_STORAGE		PlannedNew			
LT Solar 2c	_NEW_GENERIC_SOLAR_1AXIS		PlannedNew			
LT Storage 2c	_NEW_GENERIC_BATTERY_STORAGE		PlannedNew			
LT Wind CA 2	_NEW_GENERIC_WIND_CA		PlannedNew			
LT Wind Out of State 2	_NEW_GENERIC_WIND_OOS_AZNM		PlannedNew			
LT Geothermal 3	_NEW_GENERIC_GEOTHERMAL		PlannedNew			
LT Solar 3a	_NEW_GENERIC_SOLAR_1AXIS		PlannedNew			
LT Storage 3a	_NEW_GENERIC_BATTERY_STORAGE		PlannedNew			
LT Solar 3b	_NEW_GENERIC_SOLAR_1AXIS		PlannedNew			
LT Storage 3b	_NEW_GENERIC_BATTERY_STORAGE		PlannedNew			
LT Solar 3c	_NEW_GENERIC_SOLAR_1AXIS		PlannedNew			
LT Storage 3c	_NEW_GENERIC_BATTERY_STORAGE		PlannedNew			
LT Wind CA 3	_NEW_GENERIC_WIND_CA		PlannedNew			
LT Wind Out of State 3a	_NEW_GENERIC_WIND_OOS_AZNM		PlannedNew			
LT Wind Out of State 3b	_NEW_GENERIC_WIND_OOS_WY		PlannedNew			
LT Geothermal 4	_NEW_GENERIC_GEOTHERMAL		PlannedNew			

lse_unique_contract_id	resource	alternative_resource_name	contract_status	project_interconnection_position	interconnection_substation	marginal_addition
LT Solar 4a	_NEW_GENERIC_SOLAR_1AXIS		PlannedNew			
LT Storage 4a	_NEW_GENERIC_BATTERY_STORAGE		PlannedNew			
LT Solar 4b	_NEW_GENERIC_SOLAR_1AXIS		PlannedNew			
LT Storage 4b	_NEW_GENERIC_BATTERY_STORAGE		PlannedNew			
LT Solar 4c	_NEW_GENERIC_SOLAR_1AXIS		PlannedNew			
LT Storage 4c	_NEW_GENERIC_BATTERY_STORAGE		PlannedNew			
LT Wind CA 4	_NEW_GENERIC_WIND_CA		PlannedNew			
LT Wind Out of State 4	_NEW_GENERIC_WIND_OOS_AZNM		PlannedNew			
ST Geothermal	_EXISTING_GENERIC_GEOTHERMAL		PlannedExisting			
ST Solar	_EXISTING_GENERIC_SOLAR_1AXIS		PlannedExisting			
ST Wind	_EXISTING_GENERIC_WIND		PlannedExisting			
ST Large Hydro	_EXISTING_GENERIC_INSTATE_LARGE_HYDRO		PlannedExisting			
LT Storage 0	_NEW_GENERIC_BATTERY_STORAGE		PlannedNew			
LT LD Storage 1	_NEW_GENERIC_BATTERY_STORAGE		PlannedNew			
GPC_PCC1_1_LT_MCE_renewal	_EXISTING_GENERIC_GEOTHERMAL		PlannedExisting			
Generic CCGT RA_2026	_EXISTING_GENERIC_COMBINED_CYCLE		PlannedExisting			
Generic CCGT RA_2027	_EXISTING_GENERIC_COMBINED_CYCLE		PlannedExisting			
Generic CCGT RA_2028	_EXISTING_GENERIC_COMBINED_CYCLE		PlannedExisting			
Generic CCGT RA_2029	_EXISTING_GENERIC_COMBINED_CYCLE		PlannedExisting			
Generic CCGT RA_2030	_EXISTING_GENERIC_COMBINED_CYCLE		PlannedExisting			
Generic CCGT RA_2031	_EXISTING_GENERIC_COMBINED_CYCLE		PlannedExisting			
Generic CCGT RA_2032	_EXISTING_GENERIC_COMBINED_CYCLE		PlannedExisting			
Generic CCGT RA_2033	_EXISTING_GENERIC_COMBINED_CYCLE		PlannedExisting			
Generic CCGT RA_2034	_EXISTING_GENERIC_COMBINED_CYCLE		PlannedExisting			
Generic CCGT RA_2035	_EXISTING_GENERIC_COMBINED_CYCLE		PlannedExisting			
Generic CCGT RA_2036	_EXISTING_GENERIC_COMBINED_CYCLE		PlannedExisting			
Generic CCGT RA_2037	_EXISTING_GENERIC_COMBINED_CYCLE		PlannedExisting			
Generic CCGT RA_2038	_EXISTING_GENERIC_COMBINED_CYCLE		PlannedExisting			
Generic CCGT RA_2039	_EXISTING_GENERIC_COMBINED_CYCLE		PlannedExisting			
Generic CCGT RA_2040	_EXISTING_GENERIC_COMBINED_CYCLE		PlannedExisting			
Generic CCGT RA_2041	_EXISTING_GENERIC_COMBINED_CYCLE		PlannedExisting			
Generic CCGT RA_2042	_EXISTING_GENERIC_COMBINED_CYCLE		PlannedExisting			
Generic CCGT RA_2043	_EXISTING_GENERIC_COMBINED_CYCLE		PlannedExisting			
Generic CCGT RA_2044	_EXISTING_GENERIC_COMBINED_CYCLE		PlannedExisting			
Generic CCGT RA_2045	_EXISTING_GENERIC_COMBINED_CYCLE		PlannedExisting			

lse_unique_contract_id	marginal_addition_to	total_nameplate_capacity	contracted_nameplate_capacity	sep_contracted_mw_nqc	contract_gwh_annual	is_hybrid_paired	can_charge_from_grid	total_generator_mw	contracted_generator_mw
Daggett_Solar_Generic		110	110	12.21	331	ExistingSolarExistingStorage		110	110
Strauss_PCC1_MCE		95.25	93.35	20.69	259	NotHybrid			
Golden_Fields_Solar_Generic		100	100	0	311	ExistingSolarExistingStorage		100	100
Cormorant_Storage_MCE		250.0	250.0	250.0	-	NotHybrid			
Key_Storage_LD_MCE		35.0	35.0	35.0	-	NotHybrid			
Corby_Storage_MCE		100.0	100.0	100.0	-	NotHybrid			
Humboldt House_PCC1_MCE		20.0	20.0	18.6	158.0	NotHybrid			
Allium_PCC1_MCE		110.0	110.00	110.0	276.0	NewSolarNewStorage		110	110
[redacted]									
Roccasecca_Storage_MCE		126.6	126.6	126.6	-	NotHybrid			
Mulqueeney_Wind_PCC1_MCE		80.0	80.0	19.7	222.0	NotHybrid			
Desert Harvest_MCE	NAROW1_2_UNIT	80	80	11.12	261	NotHybrid			
Antelope 2_MCE		105	105	35.07	312	NotHybrid			
Corcoran_MCE		11	11	3.67	23	NotHybrid			
Goose Lake_MCE		12	12	4.01	31	NotHybrid			
Great Valley_MCE		100	100	33.4	290	NotHybrid			
Hay_MCE		8	1.6	1.5	12	NotHybrid			
Kern Tule_PCC1_1_LT_MCE	NAROW1_2_UNIT	10.6	10.6	0.79	37	NotHybrid			
Lincoln_MCE		4.98	4.98	3.1	29	NotHybrid			
Little Bear 1_MCE		40	40	5.6	109	NotHybrid			
Little Bear 3_MCE		20	20	2.8	54	NotHybrid			
Little Bear 4_MCE		50	50	6	136	NotHybrid			
Little Bear 5_MCE		50	50	7	136	NotHybrid			
MCE Solar 1_2.0_MCE		2	2	0.66	4	NotHybrid			
MCE Solar 1_8.5_MCE		8.5	8.5	2.84	18	NotHybrid			
Mustang_MCE		30	30	10.02	84	NotHybrid			
Ostrom_MCE		3.55	3.55	3.55	28	NotHybrid			
Geysers_MCE		73	10	10	88	NotHybrid			
Voyager II_MCE		42.45	42	0.45	138	NotHybrid			
Windpower_PCC1_1_LT_MCE_Update		49.5	49.5	6.9	190	NotHybrid			
Redwood Landfill_MCE		3.9	3.5	3.21	31	NotHybrid			
Geysers_PCC1_2_LT_MCE		25	7	6.496	61	NotHybrid			
Buena Vista_PCC1_1_MCE		38	38	5.586	98	NotHybrid			
Buck_MCE		1	1	0	3	NotHybrid			
SR Airport_MCE				0	2	NotHybrid			
Cooley I_MCE				0	2	NotHybrid			
Cost Plus_MCE		0.99	0.99	0	1	NotHybrid			
Freethy 1_MCE		0.99	0.99	0	2	NotHybrid			
Freethy 2_MCE		0.99	0.99	0	2	NotHybrid			
Cooley_DRES Quarry 2.4_MCE				0	0	NotHybrid			
Oakley RV & Boat Storage_MCE	NAROW1_2_UNIT	1	1	0	2	NotHybrid			
Soscal Ferry Solar C_MCE		0.99	0.99	0	3	NotHybrid			
Soscal Ferry Solar D_MCE		0.99	0.99	0	3	NotHybrid			
American Canyon Solar A_MCE		0.99	0.99	0	3	NotHybrid			
American Canyon Solar B_MCE		0.99	0.99	0	3	NotHybrid			
American Canyon Solar C_MCE				0	3	NotHybrid			
SR Airport 2_MCE				0	2	NotHybrid			
EO Products_MCE				0	0	NotHybrid			

lse_unique_contract_id	marginal_addition_to	total_nameplate_capacity	contracted_nameplate_capacity	sep_contracted_mw_nqc	contract_gwh_annual	is_hybrid_paired	can_charge_from_grid	total_generator_mw	contracted_generator_mw
Silveira Ranch A_MCE		0.99	0.99	0	3	NotHybrid			
Silveira Ranch B_MCE		0.99	0.99	0	3	NotHybrid			
Silveira Ranch C_MCE		0.99	0.99	0	3	NotHybrid			
Lake Herman_PCC1_1_LT_MCE		5	5	0	14	NotHybrid			
Byron Hot Springs_PCC1_2_LT_MCE		1	1	0	3	NotHybrid			
Oakley Phase 3_PCC1_1_LT_MCE		1	1	0	2	NotHybrid			
Byron Highway_PCC1_1_LT_MCE		3	3	0	14	NotHybrid			
Fallon_PCC1_1_LT_MCE		1	1	0	2	NotHybrid			
Napa Self Storage_PCC1_1_LT_MCE		1	1	0	1	NotHybrid			
CMSA_Updated_PCC1_2_LT_MCE		1	1	0	3	NotHybrid			
26SB 8me_PCC1_1_MCE				0	500	NotHybrid			
TEA_PCC1_4_MCE				0	45	NotHybrid			
TEA_PCC1_13_MCE				0	100	NotHybrid			
BP_PCC1_1_MCE				0	100	NotHybrid			
Townsite_PCC1_1_MCE				0	50	NotHybrid			
SDG&E_PCC1_1_MCE				0	97	NotHybrid			
ARICA_PCC1_1_MCE				0	63	NotHybrid			
GPC_PCC1_1_LT_MCE		100	100	100	878	NotHybrid			
[redacted]									
RESI_RA_2_NS_MCE		15	15	13.41	-	NotHybrid			
Midway_RA_1_NSF_MCE									
Sunrise Power_RA_1_SSF_MCE									
SEMPRA_RA_4_SS_MCE									
SENTINEL_RA_1_LF_MCE									
Indigo_RA_1_SS_MCE									
Watson_RA_1_SS_MCE									
Conflitti Jr_PCC1_DAC_1_LT_MCE		0.24	0.24	0	1	NotHybrid			
Conflitti_PCC1_DAC_2_LT_MCE		4.4	4.4	0	12	NotHybrid			
CES Electron Farm_RA_1_NS_MCE		4.4	4.4	0	-	NotHybrid			
WAPA_BR_2_MCE				0	24	NotHybrid			
[redacted]									
SENA_CF_16_MCE				0	100	NotHybrid			
CONSTEL_ACS_1_MCE				0	8	NotHybrid			
PG&E_Hydro_7_MCE						NotHybrid			
PG&E_Hydro_8_MCE_Allocation						NotHybrid			
PG&E_Nuke_2_MCE_Allocation						NotHybrid			
SENA_CF_17_MCE				0	100	NotHybrid			
CCSF_PCC1_Sell_1_MCE				0	5	NotHybrid			
EBCE_PCC1_Sell_2_MCE				0	21	NotHybrid			
CAM - DR Allocation						NotHybrid			
CAM - Peaker Allocation						NotHybrid			
CAM - Storage						NotHybrid			
Other CAM		356.57	356.57	356.57		NotHybrid			
LT Geothermal 1		20	20	20	158	NotHybrid			
LT Solar 1		141.8871162	141.8871162	141.8871162	384	NotHybrid			
LT Storage 1		141.8871162	141.8871162	141.8871162		NotHybrid			
LT Wind CA 1						NotHybrid			
LT Wind Out of State 1		30.83853681	30.83853681	30.83853681	95.91	NotHybrid			
LT Geothermal 2		56.39761294	56.39761294	56.39761294	424.91	NotHybrid			
LT Solar 2a		170.2413976	170.2413976	170.2413976	460	NotHybrid			
LT Storage 2a		170.2413976	170.2413976	170.2413976		NotHybrid			
LT Solar 2b		170.2413976	170.2413976	170.2413976	460	NotHybrid			
LT Storage 2b		170.2413976	170.2413976	170.2413976		NotHybrid			
LT Solar 2c		170.2413976	170.2413976	170.2413976	460	NotHybrid			
LT Storage 2c		170.2413976	170.2413976	170.2413976		NotHybrid			
LT Wind CA 2		138.2631726	138.2631726	138.2631726	318.68	NotHybrid			
LT Wind Out of State 2						NotHybrid			
LT Geothermal 3						NotHybrid			
LT Solar 3a		229.954737	229.954737	229.954737	622	NotHybrid			
LT Storage 3a		0	0	0		NotHybrid			
LT Solar 3b		229.954737	229.954737	229.954737	622	NotHybrid			
LT Storage 3b		230	230	230		NotHybrid			
LT Solar 3c		229.954737	229.954737	229.954737	622	NotHybrid			
LT Storage 3c		230	230	230		NotHybrid			
LT Wind CA 3						NotHybrid			
LT Wind Out of State 3a		161.4726975	161.4726975	161.4726975	502.21	NotHybrid			
LT Wind Out of State 3b		161.4726975	161.4726975	161.4726975	502.2053906	NotHybrid			
LT Geothermal 4						NotHybrid			

lse_unique_contract_id	marginal_addition_to	total_nameplate_capacity	contracted_nameplate_capacity	sep_contracted_mw_nqc	contract_gwh_annual	is_hybrid_paired	can_charge_from_grid	total_generator_mw	contracted_generator_mw
LT Solar 4a					463	NotHybrid			
LT Storage 4a		171	171	171		NotHybrid			
LT Solar 4b					463	NotHybrid			
LT Storage 4b						NotHybrid			
LT Solar 4c		171.0986931	171.0986931	171.0986931	463	NotHybrid			
LT Storage 4c						NotHybrid			
LT Wind CA 4						NotHybrid			
LT Wind Out of State 4		191.2502251	191.2502251	191.2502251	594.82	NotHybrid			
ST Geothermal		0	0	0					
ST Solar		0	0	0	2,537				
ST Wind		0	0	0	634				
ST Large Hydro		0	0	0	287				
LT Storage 0		185	185	185	-	NotHybrid			
LT LD Storage 1		25	25	25		NotHybrid			
GPC_PCC1_1_LT_MCE_renewal		100	100	100	878	NotHybrid			
Generic CCGT RA_2026		469.9696238	469.9696238	469.9696238					
Generic CCGT RA_2027		303.9616114	303.9616114	303.9616114					
Generic CCGT RA_2028		380.2026432	380.2026432	380.2026432					
Generic CCGT RA_2029		452.2560714	452.2560714	452.2560714					
Generic CCGT RA_2030		449.6351132	449.6351132	449.6351132					
Generic CCGT RA_2031		553.636549	553.636549	553.636549					
Generic CCGT RA_2032		582.0539046	582.0539046	582.0539046					
Generic CCGT RA_2033		587.3636001	587.3636001	587.3636001					
Generic CCGT RA_2034		579.3801455	579.3801455	579.3801455					
Generic CCGT RA_2035		493.3451542	493.3451542	493.3451542					
Generic CCGT RA_2036		450.3706931	450.3706931	450.3706931					
Generic CCGT RA_2037		483.7523259	483.7523259	483.7523259					
Generic CCGT RA_2038		509.1889201	509.1889201	509.1889201					
Generic CCGT RA_2039		458.9161697	458.9161697	458.9161697					
Generic CCGT RA_2040		356.1719829	356.1719829	356.1719829					
Generic CCGT RA_2041		432.6496308	432.6496308	432.6496308					
Generic CCGT RA_2042		577.1533331	577.1533331	577.1533331					
Generic CCGT RA_2043		557.5254649	557.5254649	557.5254649					
Generic CCGT RA_2044		599.5192435	599.5192435	599.5192435					
Generic CCGT RA_2045		550.5213704	550.5213704	550.5213704					

lse_unique_contract_id	total_storage_mw	contracted_storage_mw	solar_technology_sub_type	storage_technology_sub_type	total_storage_depth_mwh	contracted_storage_depth_mwh	viability_cod_reasonableness	viability_technical_feasibility
Daggett_Solar_Generic	60	60	1Axis	Li	240	240		
Strauss_PCC1_MCE								
Golden_Fields_Solar_Generic	92	92	1Axis	Li	368	368		
Cormorant_Storage_MCE	250	250		Li	1000	1000		
Key_Storage_LD_MCE	35	35		Li	280	280		
Corby_Storage_MCE	100	100		Li	400	400		
Humboldt House_PCC1_MCE								
Allium_PCC1_MCE	110	110	1Axis	Li	440	440		
[redacted]								
Roccasecca_Storage_MCE	126.59	126.59		Li	506.36	506.36		
Mulqueeney_Wind_PCC1_MCE								
Desert Harvest_MCE			1Axis					
Antelope 2_MCE								
Corcoran_MCE								
Goose Lake_MCE								
Great Valley_MCE								
Hay_MCE								
Kern Tule_PCC1_1_LT_MCE								
Lincoln_MCE								
Little Bear 1_MCE								
Little Bear 3_MCE								
Little Bear 4_MCE								
Little Bear 5_MCE								
MCE Solar 1_2.0_MCE								
MCE Solar 1_8.5_MCE								
Mustang_MCE								
Ostrom_MCE								
Geysers_MCE								
Voyager II_MCE								
Windpower_PCC1_1_LT_MCE_Update								
Redwood Landfill_MCE								
Geysers_PCC1_2_LT_MCE								
Buena Vista_PCC1_1_MCE								
Buck_MCE			Fixed					
SR Airport_MCE			Fixed					
Cooley I_MCE			Fixed					
Cost Plus_MCE			Fixed					
Freethy 1_MCE			Fixed					
Freethy 2_MCE			Fixed					
Cooley_DRES Quarry 2.4_MCE			Fixed					
Oakley RV & Boat Storage_MCE			Fixed					
Soscal Ferry Solar C_MCE			Fixed					
Soscal Ferry Solar D_MCE			Fixed					
American Canyon Solar A_MCE			Fixed					
American Canyon Solar B_MCE			Fixed					
American Canyon Solar C_MCE			Fixed					
SR Airport 2_MCE			Fixed					
EO Products_MCE			Fixed					

lse_unique_contract_id	total_storage_mw	contracted_storage_mw	solar_technology_sub_type	storage_technology_sub_type	total_storage_depth_mwh	contracted_storage_depth_mwh	viability_cod_reasonableness	viability_technical_feasibility
Silveira Ranch A_MCE			Fixed					
Silveira Ranch B_MCE			Fixed					
Silveira Ranch C_MCE			Fixed					
Lake Herman_PCC1_1_LT_MCE			Fixed					
Byron Hot Springs_PCC1_2_LT_MCE			Fixed					
Oakley Phase 3_PCC1_1_LT_MCE			Fixed					
Byron Highway_PCC1_1_LT_MCE			Fixed					
Fallon_PCC1_1_LT_MCE			Fixed					
Napa Self Storage_PCC1_1_LT_MCE			Fixed					
CMSA_Updated_PCC1_2_LT_MCE								
26SB 8me_PCC1_1_MCE			Fixed					
TEA_PCC1_4_MCE			Fixed					
TEA_PCC1_13_MCE								
BP_PCC1_1_MCE								
Townsite_PCC1_1_MCE								
SDG&E_PCC1_1_MCE								
ARICA_PCC1_1_MCE			Fixed					
GPC_PCC1_1_LT_MCE								
[redacted]								
RESI_RA_2_NS_MCE								
Midway_RA_1_NSF_MCE								
Sunrise Power_RA_1_SSF_MCE								
SEMPRA_RA_4_SS_MCE								
SENTINEL_RA_1_LF_MCE								
Indigo_RA_1_SS_MCE								
Watson_RA_1_SS_MCE								
Conflitti Jr_PCC1_DAC_1_LT_MCE								
Conflitti_PCC1_DAC_2_LT_MCE								
CES Electron Farm_RA_1_NS_MCE								
WAPA_BR_2_MCE								
[redacted]								
SENA_CF_16_MCE								
CONSTEL_ACS_1_MCE								
PG&E_Hydro_7_MCE								
PG&E_Hydro_8_MCE_Allocation								
PG&E_Nuke_2_MCE_Allocation								
SENA_CF_17_MCE								
CCSF_PCC1_Sell_1_MCE								
EBCE_PCC1_Sell_2_MCE								
CAM - DR Allocation								
CAM - Peaker Allocation								
CAM - Storage								
Other CAM								
LT Geothermal 1								
LT Solar 1			1Axis					
LT Storage 1	141.8871162	141.8871162	1Axis	Li	567.548465	567.548465		
LT Wind CA 1								
LT Wind Out of State 1								
LT Geothermal 2								
LT Solar 2a			1Axis					
LT Storage 2a	170.2413976	170.2413976	1Axis	Li	1361.931181	1361.931181		
LT Solar 2b			1Axis					
LT Storage 2b	170.2413976	170.2413976	1Axis	Li	1361.931181	1361.931181		
LT Solar 2c			1Axis					
LT Storage 2c	170.2413976	170.2413976	1Axis	Li	1361.931181	1361.931181		
LT Wind CA 2								
LT Wind Out of State 2								
LT Geothermal 3								
LT Solar 3a			1Axis					
LT Storage 3a	0	0	1Axis	Li	0	0		
LT Solar 3b			1Axis					
LT Storage 3b	230	230	1Axis	Li	1840	1840		
LT Solar 3c			1Axis					
LT Storage 3c	230	230	1Axis	Li	1840	1840		
LT Wind CA 3								
LT Wind Out of State 3a								
LT Wind Out of State 3b								
LT Geothermal 4								

lse_unique_contract_id	total_storage_mw	contracted_storage_mw	solar_technology_sub_type	storage_technology_sub_type	total_storage_depth_mwh	contracted_storage_depth_mwh	viability_cod_reasonableness	viability_technical_feasibility
LT Solar 4a			1Axis					
LT Storage 4a	171	171	1Axis	Li	1368	1368		
LT Solar 4b			1Axis					
LT Storage 4b			1Axis	Li				
LT Solar 4c			1Axis					
LT Storage 4c			1Axis	Li				
LT Wind CA 4								
LT Wind Out of State 4								
ST Geothermal								
ST Solar								
ST Wind								
ST Large Hydro								
LT Storage 0	185	185		Li	740	740		
LT LD Storage 1	25	25		Li	200	200		
GPC_PCC1_1_LT_MCE_renewal								
Generic CCGT RA_2026								
Generic CCGT RA_2027								
Generic CCGT RA_2028								
Generic CCGT RA_2029								
Generic CCGT RA_2030								
Generic CCGT RA_2031								
Generic CCGT RA_2032								
Generic CCGT RA_2033								
Generic CCGT RA_2034								
Generic CCGT RA_2035								
Generic CCGT RA_2036								
Generic CCGT RA_2037								
Generic CCGT RA_2038								
Generic CCGT RA_2039								
Generic CCGT RA_2040								
Generic CCGT RA_2041								
Generic CCGT RA_2042								
Generic CCGT RA_2043								
Generic CCGT RA_2044								
Generic CCGT RA_2045								

lse_unique_contract_id	viability financing sitecontrol	resource_mix	cam_d1911016_vamo_ghgfreepcia	buy_sell_own	counterparty	generator_supplier	developer_name	capacity_area	capacity_sub_area
Daggett_Solar_Generic							Clearway Energy Group	SCE	No_sub_area
Strauss_PCC1_MCE							BayWa RE	PacGE	No_sub_area
Golden_Fields_Solar_Generic							Clearway Energy Group	SCE	No_sub_area
Cormorant_Storage_MCE							Arevon	PacGE	No_sub_area
Key_Storage_LD_MCE							NextEra	PacGE	No_sub_area
Corby_Storage_MCE							NextEra	PacGE	No_sub_area
Humboldt House_PCC1_MCE							Humboldt House	NEVP	No_sub_area
Allium_PCC1_MCE							LONGROAD	PacGE	No_sub_area
[redacted]									
Roccasecca_Storage_MCE							IOWN		
Mulqueeney_Wind_PCC1_MCE								GreaterBay	
Desert Harvest_MCE							NA	SCE	
Antelope 2_MCE							SPOWER	SCE	No_sub_area
Corcoran_MCE							COTTONWOOD SOLAR	SCE	No_sub_area
Goose Lake_MCE							COTTONWOOD SOLAR	SCE	No_sub_area
Great Valley_MCE							RECURRENT	PacGE	No_sub_area
Hay_MCE							G2 Energy	PacGE	No_sub_area
Kern Tule_PCC1_1_LT_MCE							SORENSON	PacGE	No_sub_area
Lincoln_MCE							GenPower	PacGE	No_sub_area
Little Bear 1_MCE							FIRST SOLAR DEVELOPMENT	PacGE	No_sub_area
Little Bear 3_MCE							FIRST SOLAR DEVELOPMENT	PacGE	No_sub_area
Little Bear 4_MCE							FIRST SOLAR DEVELOPMENT	PacGE	No_sub_area
Little Bear 5_MCE							FIRST SOLAR DEVELOPMENT	PacGE	No_sub_area
MCE Solar 1_2.0_MCE							SPOWER	PacGE	No_sub_area
MCE Solar 1_8.5_MCE							SPOWER	PacGE	No_sub_area
Mustang_MCE							RECURRENT	SCE	No_sub_area
Ostrom_MCE							G2 Energy	PacGE	No_sub_area
Geysers_MCE							CALPINE	NorthCoastNorthBay	No_sub_area
Voyager II_MCE							TERRA GEN	SDGE	No_sub_area
Windpower_PCC1_1_LT_MCE_Update							NEXTERA	SCE	No_sub_area
Redwood Landfill_MCE							WM Renewable Energy	PacGE	No_sub_area
Geysers_PCC1_2_LT_MCE							Calpine	PacGE	No_sub_area
Buena Vista_PCC1_1_MCE							LEEWARD	PacGE	No_sub_area
Buck_MCE							EDF RENEWABLES	PacGE	No_sub_area
SR Airport_MCE							SAN RAFAEL AIRPORT	PacGE	No_sub_area
Cooley I_MCE							REP ENERGY	PacGE	No_sub_area
Cost Plus_MCE							BAYWA RE	PacGE	No_sub_area
Freethy 1_MCE							NORTHSHORE SOLAR PARNTERS LLC	PacGE	No_sub_area
Freethy 2_MCE							NORTHSHORE SOLAR PARNTERS LLC	PacGE	No_sub_area
Cooley_DRES Quarry 2.4_MCE							DRES QUARRY, LLC	PacGE	No_sub_area
Oakley RV & Boat Storage_MCE							CALIFORNIA_SOLAR_INNOVATORS_INC_DBA_CALSOLAR	GreaterBay	No_sub_area
Soscal Ferry Solar C_MCE							RENEWABLE PROPERTIES LLC	PacGE	No_sub_area
Soscal Ferry Solar D_MCE							RENEWABLE PROPERTIES LLC	PacGE	No_sub_area
American Canyon Solar A_MCE							RENEWABLE PROPERTIES LLC	PacGE	No_sub_area
American Canyon Solar B_MCE							RENEWABLE PROPERTIES LLC	PacGE	No_sub_area
American Canyon Solar C_MCE							RENEWABLE PROPERTIES LLC	PacGE	No_sub_area
SR Airport 2_MCE							SAN RAFAEL AIRPORT	PacGE	No_sub_area
EO Products_MCE							SMALL WORLD TRADING CO	PacGE	No_sub_area

lse_unique_contract_id	viability financing sitecontrol	resource_mix	cam_d1911016_vamo_ghgfreepcia	buy_sell_own	counterparty	generator_supplier	developer_name	capacity_area	capacity_sub_area
Silveira Ranch A_MCE							RENEWABLE PROPERTIES LLC	PacGE	No_sub_area
Silveira Ranch B_MCE							RENEWABLE PROPERTIES LLC	PacGE	No_sub_area
Silveira Ranch C_MCE							RENEWABLE PROPERTIES LLC	PacGE	No_sub_area
Lake Herman_PCC1_1_LT_MCE							RENEWABLE PROPERTIES LLC	PacGE	No_sub_area
Byron Hot Springs_PCC1_2_LT_MCE							NA	PacGE	No_sub_area
Oakley Phase 3_PCC1_1_LT_MCE							NA	GreaterBay	
Byron Highway_PCC1_1_LT_MCE							NA	PacGE	
Fallon_PCC1_1_LT_MCE							NA	PacGE	
Napa Self Storage_PCC1_1_LT_MCE							NA	PacGE	
CMSA_Updated_PCC1_2_LT_MCE							NA	PacGE	
26SB 8me_PCC1_1_MCE							NA	SCE	
TEA_PCC1_4_MCE							NA	SCE	
TEA_PCC1_13_MCE							NA	PacGE	
BP_PCC1_1_MCE							NA	PacGE	
Townsite_PCC1_1_MCE							AREVON	Humboldt	
SDG&E_PCC1_1_MCE							NA	SCE	
ARICA_PCC1_1_MCE							NA	SCE	
GPC_PCC1_1_LT_MCE							CALPINE	NorthCoastNorthBay	
RESI_RA_2_NS_MCE							OHMCONNECT	PacGE	
Midway_RA_1_NSF_MCE									
Sunrise Power_RA_1_SSF_MCE									
SEMPRA_RA_4_SS_MCE									
SENTINEL_RA_1_LF_MCE									
Indigo_RA_1_SS_MCE									
Watson_RA_1_SS_MCE									
Conflitti Jr_PCC1_DAC_1_LT_MCE							WHITE PINE RENEWABLE	PacGE	
Conflitti_PCC1_DAC_2_LT_MCE							WHITE PINE RENEWABLE	PacGE	
CES Electron Farm_RA_1_NS_MCE							WHITE PINE RENEWABLE	PacGE	
WAPA_BR_2_MCE							NA	BANC	
SENA_CF_16_MCE							SHELL	PacGE	
CONSTEL_ACS_1_MCE							CONSTELLATION	BANC	
PG&E_Hydro_7_MCE							PACIFIC GAS AND ELECTRIC COMPANY	PacGE	
PG&E_Hydro_8_MCE_Allocation							PACIFIC GAS AND ELECTRIC COMPANY	PacGE	
PG&E_Nuke_2_MCE_Allocation							PACIFIC GAS AND ELECTRIC COMPANY	PacGE	
SENA_CF_17_MCE							SHELL	PacGE	
CCSF_PCC1_Sell_1_MCE				Sell	CleanPowerSF		NA	PacGE	
EBCE_PCC1_Sell_2_MCE				Sell	Ava Community Energy		NA	PacGE	
CAM - DR Allocation					Pacific Gas & Electric				
CAM - Peaker Allocation					Pacific Gas & Electric				
CAM - Storage					Pacific Gas & Electric				
Other CAM					Pacific Gas & Electric				
LT Geothermal 1				Buy	non-LSE supplier				
LT Solar 1				Buy	non-LSE supplier				
LT Storage 1				Buy	non-LSE supplier				
LT Wind CA 1				Buy	non-LSE supplier				
LT Wind Out of State 1				Buy	non-LSE supplier				
LT Geothermal 2				Buy	non-LSE supplier				
LT Solar 2a				Buy	non-LSE supplier				
LT Storage 2a				Buy	non-LSE supplier				
LT Solar 2b				Buy	non-LSE supplier				
LT Storage 2b				Buy	non-LSE supplier				
LT Solar 2c				Buy	non-LSE supplier				
LT Storage 2c				Buy	non-LSE supplier				
LT Wind CA 2				Buy	non-LSE supplier				
LT Wind Out of State 2				Buy	non-LSE supplier				
LT Geothermal 3				Buy	non-LSE supplier				
LT Solar 3a				Buy	non-LSE supplier				
LT Storage 3a				Buy	non-LSE supplier				
LT Solar 3b				Buy	non-LSE supplier				
LT Storage 3b				Buy	non-LSE supplier				
LT Solar 3c				Buy	non-LSE supplier				
LT Storage 3c				Buy	non-LSE supplier				
LT Wind CA 3				Buy	non-LSE supplier				
LT Wind Out of State 3a				Buy	non-LSE supplier				
LT Wind Out of State 3b				Buy	non-LSE supplier				
LT Geothermal 4				Buy	non-LSE supplier				

lse_unique_contract_id	viability financing sitecontrol	resource_mix	cam_d1911016_vamo_ghgfreepcia	buy_sell_own	counterparty	generator_supplier	developer_name	capacity_area	capacity_sub_area
LT Solar 4a	[redacted]			Buy	non-LSE supplier				
LT Storage 4a				Buy	non-LSE supplier				
LT Solar 4b				Buy	non-LSE supplier				
LT Storage 4b				Buy	non-LSE supplier				
LT Solar 4c				Buy	non-LSE supplier				
LT Storage 4c				Buy	non-LSE supplier				
LT Wind CA 4				Buy	non-LSE supplier				
LT Wind Out of State 4				Buy	non-LSE supplier				
ST Geothermal				Buy	non-LSE supplier				
ST Solar				Buy	non-LSE supplier				
ST Wind				Buy	non-LSE supplier				
ST Large Hydro				Buy	non-LSE supplier				
LT Storage 0				Buy	non-LSE supplier		NA		
LT LD Storage 1				Buy	non-LSE supplier				
GPC_PCC1_1_LT_MCE_renewal							CALPINE	NorthCoastNorthBay	
Generic CCGT RA_2026									
Generic CCGT RA_2027									
Generic CCGT RA_2028									
Generic CCGT RA_2029									
Generic CCGT RA_2030									
Generic CCGT RA_2031									
Generic CCGT RA_2032									
Generic CCGT RA_2033									
Generic CCGT RA_2034									
Generic CCGT RA_2035									
Generic CCGT RA_2036									
Generic CCGT RA_2037									
Generic CCGT RA_2038									
Generic CCGT RA_2039									
Generic CCGT RA_2040									
Generic CCGT RA_2041									
Generic CCGT RA_2042									
Generic CCGT RA_2043									
Generic CCGT RA_2044									
Generic CCGT RA_2045									

lse_unique_contract_id	cpuc_approval_ref	county	COD_year	COD_month	COD_day	contract_start_date_year	contract_start_date_month	contract_start_date_day	contract_end_date_year	contract_end_date_month	contract_end_date_day
Daggett_Solar_Generic		SanBernardinoCounty	2023	8	25	2023	8	25	2038	8	24
Strauss_PCC1_MCE		SantaBarbaraCounty	2023	12	20	2023	12	20	2038	12	19
Golden_Fields_Solar_Generic		KernCounty	2025	8	8	2025	8	12	2040	8	11
Cormorant_Storage_MCE		SanMateoCounty	2027	8	1	2027	8	1	2042	7	31
Key_Storage_LD_MCE		FresnoCounty	2027	4	1	2027	4	1	2042	3	31
Corby_Storage_MCE		SolanoCounty	2027	4	1	2027	4	1	2042	3	31
Humboldt House_PCC1_MCE		Nevada	2028	2	1	2028	2	1	2049	1	31
Allium_PCC1_MCE		SanBenitoCounty	2031	5	1	2031	5	1	2051	4	30
[redacted]											
Roccasecca_Storage_MCE		Nevada	2027	3	1	2027	3	1	2042	2	28
Mulqueeney_Wind_PCC1_MCE		AlamedaCounty	2027	1	1	2028	10	1	2048	9	30
Desert Harvest_MCE		RiversideCounty	2020	12	1	2020	12	1	2040	12	16
Antelope 2_MCE		LosAngelesCounty	2018	12	24	2018	12	24	2038	12	31
Corcoran_MCE		KingsCounty	2018	1	1	2018	1	1	2040	4	30
Goose Lake_MCE		KernCounty	2018	1	1	2018	1	1	2040	4	30
Great Valley_MCE		FresnoCounty	2018	4	14	2018	4	14	2033	4	13
Hay_MCE		SolanoCounty	2018	1	1	2018	1	1	2033	6	30
Kern Tule_PCC1_1_LT_MCE		KernCounty	2021	6	9	2021	7	5	2036	7	4
Lincoln_MCE		PlacerCounty	2018	1	1	2018	1	1	2033	1	31
Little Bear 1_MCE		FresnoCounty	2020	12	10	2020	12	10	2040	12	9
Little Bear 3_MCE		FresnoCounty	2020	12	10	2020	12	10	2040	12	9
Little Bear 4_MCE		FresnoCounty	2020	12	10	2020	12	10	2040	12	9
Little Bear 5_MCE		FresnoCounty	2020	12	10	2020	12	10	2040	12	9
MCE Solar 1_2.0_MCE		ContraCostaCounty	2017	12	22	2017	12	22	2037	12	21
MCE Solar 1_8.5_MCE		ContraCostaCounty	2017	12	22	2017	12	22	2037	12	21
Mustang_MCE		KingsCounty	2018	1	1	2018	1	1	2032	12	31
Ostrom_MCE		YubaCounty	2018	1	1	2018	1	1	2031	8	31
Geysers_MCE		LakeCounty	2017	1	1	2017	1	1	2026	12	31
Voyager II_MCE		KernCounty	2018	12	31	2018	12	29	2030	12	28
Windpower_PCC1_1_LT_MCE_Update		RiversideCounty	2025	1	1	2025	1	1	2039	12	31
Redwood Landfill_MCE		MarinCounty	2017	9	14	2017	9	14	2037	9	13
Geysers_PCC1_2_LT_MCE		SonomaCounty	2025	6	1	2025	6	1	2045	5	31
Buena Vista_PCC1_1_MCE		ContraCostaCounty	2028	1	1	2028	1	1	2035	12	31
Buck_MCE		MarinCounty	2018	1	1	2018	1	1	2040	4	30
SR Airport_MCE		MarinCounty	2018	1	1	2018	1	1	2032	10	22
Cooley I_MCE		MarinCounty	2018	1	1	2018	1	1	2037	2	28
Cost Plus_MCE		MarinCounty	2016	9	1	2016	9	1	2036	8	31
Freethy 1_MCE		MarinCounty	2016	10	6	2016	10	6	2036	10	5
Freethy 2_MCE		MarinCounty	2016	10	6	2016	10	6	2036	10	5
Cooley_DRES Quarry 2.4_MCE		MarinCounty	2019	5	14	2019	5	14	2029	12	31
Oakley RV & Boat Storage_MCE		ContraCostaCounty	2020	1	1	2020	1	1	2038	7	30
Soscal Ferry Solar C_MCE		NapaCounty	2020	12	11	2020	12	11	2040	12	10
Soscal Ferry Solar D_MCE		NapaCounty	2020	12	11	2020	12	11	2040	12	10
American Canyon Solar A_MCE		SolanoCounty	2019	9	1	2019	9	1	2039	8	31
American Canyon Solar B_MCE		SolanoCounty	2019	9	1	2019	9	1	2039	8	31
American Canyon Solar C_MCE		SolanoCounty	2019	9	1	2019	9	1	2039	8	31
SR Airport 2_MCE		MarinCounty	2020	9	30	2020	9	30	2040	9	29
EO Products_MCE		MarinCounty	2018	12	10	2018	12	10	2038	12	9

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Silveira Ranch A_MCE		MarinCounty	2021	3	30	2021	3	30	2041	3	29
Silveira Ranch B_MCE		MarinCounty	2021	3	30	2021	3	30	2041	3	29
Silveira Ranch C_MCE		MarinCounty	2021	3	30	2021	3	30	2041	3	29
Lake Herman_PCC1_1_LT_MCE		SolanoCounty	2021	12	31	2021	12	31	2041	9	29
Byron Hot Springs_PCC1_2_LT_MCE		ContraCostaCounty	2023	6	6	2023	6	6	2043	6	5
Oakley Phase 3_PCC1_1_LT_MCE		ContraCostaCounty	2022	8	5	2022	8	5	2042	8	4
Byron Highway_PCC1_1_LT_MCE		ContraCostaCounty	2022	11	30	2022	11	30	2042	11	29
Fallon_PCC1_1_LT_MCE		SonomaCounty	2024	3	31	2024	1	29	2044	1	28
Napa Self Storage_PCC1_1_LT_MCE		NapaCounty	2023	6	21	2023	7	13	2043	6	20
CMSA_Updated_PCC1_2_LT_MCE		MarinCounty	2022	9	27	2022	9	27	2032	9	26
26SB 8me_PCC1_1_MCE		KernCounty	2027	1	1	2027	1	1	2027	5	31
TEA_PCC1_4_MCE		KernCounty	2025	1	1	2025	1	1	2026	12	31
TEA_PCC1_13_MCE		FresnoCounty	2026	1	1	2026	1	1	2026	12	1
BP_PCC1_1_MCE		FresnoCounty	2025	1	1	2025	1	1	2026	12	31
Townsite_PCC1_1_MCE		Nevada	2025	1	1	2025	1	1	2027	12	31
SDG&E_PCC1_1_MCE		KernCounty	2015	12	1	2026	1	1	2026	12	31
ARICA_PCC1_1_MCE		RiversideCounty	2024	4	1	2024	4	1	2026	3	31
GPC_PCC1_1_LT_MCE			2027	6	1	2027	6	1	2037	5	31
[redacted]											
RESI_RA_2_NS_MCE		California	2023	1	1	2023	1	1	2032	12	31
Midway_RA_1_NSF_MCE											
Sunrise Power_RA_1_SSF_MCE											
SEMPRA_RA_4_SS_MCE											
SENTINEL_RA_1_LF_MCE											
Indigo_RA_1_SS_MCE											
Watson_RA_1_SS_MCE											
Conflitti Jr_PCC1_DAC_1_LT_MCE		FresnoCounty	2026	1	27	2026	1	27	2046	1	26
Conflitti_PCC1_DAC_2_LT_MCE		FresnoCounty	2026	1	27	2026	1	27	2046	1	26
CES Electron Farm_RA_1_NS_MCE		FresnoCounty	2026	1	27	2026	1	27	2046	1	26
WAPA_BR_2_MCE		California	2025	1	1	2025	1	1	2054	12	31
[redacted]											
SENA_CF_16_MCE		SiskiyouCounty	2025	1	1	2025	1	1	2027	12	31
CONSTEL_ACS_1_MCE		Oregon	2026	1	1	2026	1	1	2027	12	31
PG&E_Hydro_7_MCE		PlumasCounty	2026	1	1	2026	1	1	2026	12	31
PG&E_Hydro_8_MCE_Allocation		PlumasCounty	2026	1	1	2026	1	1	2026	12	31
PG&E_Nuke_2_MCE_Allocation		PlumasCounty	2026	1	1	2026	1	1	2030	12	31
SENA_CF_17_MCE		PlumasCounty	2027	1	1	2027	1	1	2027	12	31
CCSF_PCC1_Sell_1_MCE		KingsCounty	2022	5	15	2022	5	15	2026	12	31
EBCE_PCC1_Sell_2_MCE		KingsCounty	2026	1	1	2026	1	1	2026	12	31
CAM - DR Allocation						2023	1	1	2045	12	31
CAM - Peaker Allocation						2023	1	1	2045	12	31
CAM - Storage						2023	1	1	2045	12	31
Other CAM						2023	1	1	2045	12	31
LT Geothermal 1						2032	1	1	2052	12	31
LT Solar 1						2030	1	1	2050	12	31
LT Storage 1						2030	1	1	2050	12	31
LT Wind CA 1						2030	1	1	2050	12	31
LT Wind Out of State 1						2030	1	1	2050	12	31
LT Geothermal 2						2035	1	1	2055	12	31
LT Solar 2a						2033	1	1	2053	12	31
LT Storage 2a						2033	1	1	2053	12	31
LT Solar 2b						2034	1	1	2054	12	31
LT Storage 2b						2034	1	1	2054	12	31
LT Solar 2c						2035	1	1	2055	12	31
LT Storage 2c						2035	1	1	2055	12	31
LT Wind CA 2						2035	1	1	2055	12	31
LT Wind Out of State 2						2035	1	1	2055	12	31
LT Geothermal 3						2040	1	1	2060	12	31
LT Solar 3a						2038	1	1	2058	12	31
LT Storage 3a						2038	1	1	2058	12	31
LT Solar 3b						2039	1	1	2059	12	31
LT Storage 3b						2039	1	1	2059	12	31
LT Solar 3c						2040	1	1	2060	12	31
LT Storage 3c						2040	1	1	2060	12	31
LT Wind CA 3						2040	1	1	2060	12	31
LT Wind Out of State 3a						2036	1	1	2056	12	31
LT Wind Out of State 3b						2040	1	1	2060	12	31
LT Geothermal 4						2045	1	1	2060	12	31

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LT Solar 4a						2043	1	1	2058	12	31
LT Storage 4a						2043	1	1	2058	12	31
LT Solar 4b						2044	1	1	2059	12	31
LT Storage 4b						2044	1	1	2059	12	31
LT Solar 4c						2045	1	1	2060	12	31
LT Storage 4c						2045	1	1	2060	12	31
LT Wind CA 4						2045	1	1	2060	12	31
LT Wind Out of State 4						2045	1	1	2060	12	31
ST Geothermal						2028	1	1	2045	12	31
ST Solar						2028	1	1	2045	12	31
ST Wind						2028	1	1	2045	12	31
ST Large Hydro						2027	1	1	2045	12	31
LT Storage 0			2030	1	1	2030	1	1	2045	12	31
LT LD Storage 1						2032	1	1	2052	12	31
GPC_PCC1_1_LT_MCE_renewal			2037	6	1	2037	6	1	2047	5	31
Generic CCGT RA_2026						2026	1	1	2026	12	31
Generic CCGT RA_2027						2027	1	1	2027	12	31
Generic CCGT RA_2028						2028	1	1	2028	12	31
Generic CCGT RA_2029						2029	1	1	2029	12	31
Generic CCGT RA_2030						2030	1	1	2030	12	31
Generic CCGT RA_2031						2031	1	1	2031	12	31
Generic CCGT RA_2032						2032	1	1	2032	12	31
Generic CCGT RA_2033						2033	1	1	2033	12	31
Generic CCGT RA_2034						2034	1	1	2034	12	31
Generic CCGT RA_2035						2035	1	1	2035	12	31
Generic CCGT RA_2036						2036	1	1	2036	12	31
Generic CCGT RA_2037						2037	1	1	2037	12	31
Generic CCGT RA_2038						2038	1	1	2038	12	31
Generic CCGT RA_2039						2039	1	1	2039	12	31
Generic CCGT RA_2040						2040	1	1	2040	12	31
Generic CCGT RA_2041						2041	1	1	2041	12	31
Generic CCGT RA_2042						2042	1	1	2042	12	31
Generic CCGT RA_2043						2043	1	1	2043	12	31
Generic CCGT RA_2044						2044	1	1	2044	12	31
Generic CCGT RA_2045						2045	1	1	2045	12	31

lse_unique_contract_id	contract_execution_date_year	contract_execution_date_month	contract_execution_date_day	tx_upgrades	tx_upgrade_date_year	tx_upgrade_date_month	tx_upgrade_date_day	tx_upgrade_description	d2106035_procurement_cat
Daggett_Solar_Generic	2020	9	25	[redacted]					general
Strauss_PCC1_MCE	2018	10	19						general
Golden_Fields_Solar_Generic	2022	2	4						general
Cormorant_Storage_MCE	2024	1	12						general
Key_Storage_LD_MCE	2023	10	20						long_duration_storage
Corby_Storage_MCE	2023	10	20						general
Humboldt House_PCC1_MCE	2022	11	22						firm_ZE
Allium_PCC1_MCE	2025	2	14						NA
[redacted]									
Roccasecca_Storage_MCE	2025	10	14						general
Mulqueeney_Wind_PCC1_MCE	2025	9	5						NA
Desert Harvest_MCE	2016	11	18						NA
Antelope 2_MCE	2016	11	15						NA
Corcoran_MCE	2011	7	8						NA
Goose Lake_MCE	2011	7	8						NA
Great Valley_MCE	2016	9	15						NA
Hay_MCE	2010	12	3						NA
Kern Tule_PCC1_1_LT_MCE	2020	1	22						NA
Lincoln_MCE	2012	7	6						NA
Little Bear 1_MCE	2016	9	23						NA
Little Bear 3_MCE	2016	9	23						NA
Little Bear 4_MCE	2016	9	23						NA
Little Bear 5_MCE	2016	9	23						NA
MCE Solar 1_2.0_MCE	2017	5	30						NA
MCE Solar 1_8.5_MCE	2017	5	30						NA
Mustang_MCE	2014	10	3						NA
Ostrom_MCE	2010	12	3						NA
Geysers_MCE	2013	7	11						NA
Voyager II_MCE	2016	12	5						NA
Windpower_PCC1_1_LT_MCE_Update	2023	3	17						NA
Redwood Landfill_MCE	2014	11	6						NA
Geysers_PCC1_2_LT_MCE	2023	2	28						firm_ZE
Buena Vista_PCC1_1_MCE	2025	10	14						NA
Buck_MCE	2011	7	8						NA
SR Airport_MCE	2012	5	8						NA
Cooley I_MCE	2014	10	7						NA
Cost Plus_MCE	2015	4	14						NA
Freethy 1_MCE	2015	9	4						NA
Freethy 2_MCE	2015	9	4						NA
Cooley_DRES Quarry 2.4_MCE	2018	3	28						NA
Oakley RV & Boat Storage_MCE	2018	5	8						NA
Soscal Ferry Solar C_MCE	2018	8	30						NA
Soscal Ferry Solar D_MCE	2018	8	30						NA
American Canyon Solar A_MCE	2018	8	30						NA
American Canyon Solar B_MCE	2018	8	30						NA
American Canyon Solar C_MCE	2018	8	30						NA
SR Airport 2_MCE	2018	10	24						NA
EO Products_MCE	2018	10	31						NA

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Silveira Ranch A_MCE	2019	3	7						NA
Silveira Ranch B_MCE	2019	3	7						NA
Silveira Ranch C_MCE	2019	3	7						NA
Lake Herman_PCC1_1_LT_MCE	2020	7	29						NA
Byron Hot Springs_PCC1_2_LT_MCE	2020	12	11						NA
Oakley Phase 3_PCC1_1_LT_MCE	2021	3	8						NA
Byron Highway_PCC1_1_LT_MCE	2021	3	29						NA
Fallon_PCC1_1_LT_MCE	2021	4	5						NA
Napa Self Storage_PCC1_1_LT_MCE	2021	4	14						NA
CMSA_Updated_PCC1_2_LT_MCE	2021	7	6						NA
26SB 8me_PCC1_1_MCE	2024	7	1						NA
TEA_PCC1_4_MCE	2024	8	7						NA
TEA_PCC1_13_MCE	2024	11	26						NA
BP_PCC1_1_MCE	2024	12	12						NA
Townsite_PCC1_1_MCE	2024	12	13						NA
SDG&E_PCC1_1_MCE	2025	12	2						NA
ARICA_PCC1_1_MCE	2023	8	18						NA
GPC_PCC1_1_LT_MCE	2023	2	28						NA
RESI_RA_2_NS_MCE	2022	8	31						NA
Midway_RA_1_NSF_MCE									
Sunrise Power_RA_1_SSF_MCE									
SEMPRA_RA_4_SS_MCE									
SENTINEL_RA_1_LF_MCE									
Indigo_RA_1_SS_MCE									
Watson_RA_1_SS_MCE									
Conflitti Jr_PCC1_DAC_1_LT_MCE	2022	3	20						NA
Conflitti_PCC1_DAC_2_LT_MCE	2022	3	20						NA
CES Electron Farm_RA_1_NS_MCE	2022	3	20						NA
WAPA_BR_2_MCE	2021	3	18						NA
SENA_CF_16_MCE	2024	6	12						NA
CONSTEL_ACS_1_MCE	2025	4	18						NA
PG&E_Hydro_7_MCE	2025	8	26						NA
PG&E_Hydro_8_MCE_Allocation	2025	12	4						NA
PG&E_Nuke_2_MCE_Allocation	2025	12	4						NA
SENA_CF_17_MCE	2025	12	10						NA
CCSF_PCC1_Sell_1_MCE	2022	5	6						NA
EBCE_PCC1_Sell_2_MCE	2025	12	24						NA
CAM - DR Allocation									NA
CAM - Peaker Allocation									NA
CAM - Storage									NA
Other CAM									NA
LT Geothermal 1									NA
LT Solar 1									NA
LT Storage 1									NA
LT Wind CA 1									NA
LT Wind Out of State 1									NA
LT Geothermal 2									NA
LT Solar 2a									NA
LT Storage 2a									NA
LT Solar 2b									NA
LT Storage 2b									NA
LT Solar 2c									NA
LT Storage 2c									NA
LT Wind CA 2									NA
LT Wind Out of State 2									NA
LT Geothermal 3									NA
LT Solar 3a									NA
LT Storage 3a									NA
LT Solar 3b									NA
LT Storage 3b									NA
LT Solar 3c									NA
LT Storage 3c									NA
LT Wind CA 3									NA
LT Wind Out of State 3a									NA
LT Wind Out of State 3b									NA
LT Geothermal 4									NA

lse_unique_contract_id	contract_execution_date_year	contract_execution_date_month	contract_execution_date_day	tx upgrades	tx upgrade date year	tx upgrade date month	tx upgrade date day	tx upgrade description	d2106035_procurement_cat
LT Solar 4a				[redacted]					NA
LT Storage 4a									NA
LT Solar 4b									NA
LT Storage 4b									NA
LT Solar 4c									NA
LT Storage 4c									NA
LT Wind CA 4									NA
LT Wind Out of State 4									NA
ST Geothermal									NA
ST Solar									NA
ST Wind									NA
ST Large Hydro									NA
LT Storage 0									NA
LT LD Storage 1									NA
GPC_PCC1_1_LT_MCE_renewal									NA
Generic CCGT RA_2026									NA
Generic CCGT RA_2027									NA
Generic CCGT RA_2028									NA
Generic CCGT RA_2029									NA
Generic CCGT RA_2030									NA
Generic CCGT RA_2031									NA
Generic CCGT RA_2032									NA
Generic CCGT RA_2033									NA
Generic CCGT RA_2034									NA
Generic CCGT RA_2035									NA
Generic CCGT RA_2036									NA
Generic CCGT RA_2037									NA
Generic CCGT RA_2038									NA
Generic CCGT RA_2039									NA
Generic CCGT RA_2040									NA
Generic CCGT RA_2041									NA
Generic CCGT RA_2042									NA
Generic CCGT RA_2043									NA
Generic CCGT RA_2044									NA
Generic CCGT RA_2045									NA

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Daggett_Solar_Generic											
Strauss_PCC1_MCE											
Golden_Fields_Solar_Generic							34.4				
Cormorant_Storage_MCE											
Key_Storage_LD_MCE											
Corby_Storage_MCE											
Humboldt House_PCC1_MCE											
Allium_PCC1_MCE											
Roccasecca_Storage_MCE											
Mulqueeney_Wind_PCC1_MCE											
Desert Harvest_MCE											
Antelope 2_MCE											
Corcoran_MCE											
Goose Lake_MCE											
Great Valley_MCE											
Hay_MCE											
Kern Tule_PCC1_1_LT_MCE											
Lincoln_MCE											
Little Bear 1_MCE											
Little Bear 3_MCE											
Little Bear 4_MCE											
Little Bear 5_MCE											
MCE Solar 1_2.0_MCE											
MCE Solar 1_8.5_MCE											
Mustang_MCE											
Ostrom_MCE											
Geysers_MCE											
Voyager II_MCE											
Windpower_PCC1_1_LT_MCE_Update											
Redwood Landfill_MCE											
Geysers_PCC1_2_LT_MCE											
Buena Vista_PCC1_1_MCE											
Buck_MCE											
SR Airport_MCE											
Cooley I_MCE											
Cost Plus_MCE											
Freethy 1_MCE											
Freethy 2_MCE											
Cooley_DRES Quarry 2.4_MCE											
Oakley RV & Boat Storage_MCE											
Soscal Ferry Solar C_MCE											
Soscal Ferry Solar D_MCE											
American Canyon Solar A_MCE											
American Canyon Solar B_MCE											
American Canyon Solar C_MCE											
SR Airport 2_MCE											
EO Products_MCE											

lse_unique_contract_id	mtr_tranche1_NQC	mtr_tranche2_NQC	mtr_tranche3_NQC	mtr_tranche4_NQC	mtr_tranche5_NQC	mtr_tranche6_NQC	mtr_NQC_ZE_gen_paired_dr	mtr_bridge_to	contract_changed	previous_COD_year	previous_COD_month
Silveira Ranch A_MCE	[redacted]										
Silveira Ranch B_MCE											
Silveira Ranch C_MCE											
Lake Herman_PCC1_1_LT_MCE											
Byron Hot Springs_PCC1_2_LT_MCE											
Oakley Phase 3_PCC1_1_LT_MCE											
Byron Highway_PCC1_1_LT_MCE											
Fallon_PCC1_1_LT_MCE											
Napa Self Storage_PCC1_1_LT_MCE											
CMSA_Updated_PCC1_2_LT_MCE											
26SB 8me_PCC1_1_MCE											
TEA_PCC1_4_MCE											
TEA_PCC1_13_MCE											
BP_PCC1_1_MCE											
Townsite_PCC1_1_MCE											
SDG&E_PCC1_1_MCE											
ARICA_PCC1_1_MCE											
GPC_PCC1_1_LT_MCE											
[redacted]											
RESI_RA_2_NS_MCE											
Midway_RA_1_NSF_MCE											
Sunrise Power_RA_1_SSF_MCE											
SEMPRA_RA_4_SS_MCE											
SENTINEL_RA_1_LF_MCE											
Indigo_RA_1_SS_MCE											
Watson_RA_1_SS_MCE											
Conflitti Jr_PCC1_DAC_1_LT_MCE											
Conflitti_PCC1_DAC_2_LT_MCE											
CES Electron Farm_RA_1_NS_MCE											
WAPA_BR_2_MCE											
[redacted]											
SENA_CF_16_MCE											
CONSTEL_ACS_1_MCE											
PG&E_Hydro_7_MCE											
PG&E_Hydro_8_MCE_Allocation											
PG&E_Nuke_2_MCE_Allocation											
SENA_CF_17_MCE											
CCSF_PCC1_Sell_1_MCE											
EBCE_PCC1_Sell_2_MCE											
CAM - DR Allocation											
CAM - Peaker Allocation											
CAM - Storage											
Other CAM											
LT Geothermal 1											
LT Solar 1											
LT Storage 1											
LT Wind CA 1											
LT Wind Out of State 1											
LT Geothermal 2											
LT Solar 2a											
LT Storage 2a											
LT Solar 2b											
LT Storage 2b											
LT Solar 2c											
LT Storage 2c											
LT Wind CA 2											
LT Wind Out of State 2											
LT Geothermal 3											
LT Solar 3a											
LT Storage 3a											
LT Solar 3b											
LT Storage 3b											
LT Solar 3c											
LT Storage 3c											
LT Wind CA 3											
LT Wind Out of State 3a											
LT Wind Out of State 3b											
LT Geothermal 4											

lse_unique_contract_id	mtr_tranche1_NQC	mtr_tranche2_NQC	mtr_tranche3_NQC	mtr_tranche4_NQC	mtr_tranche5_NQC	mtr_tranche6_NQC	mtr_NQC_ZE_gen_paired_dr	mtr_bridge_to	contract_changed	previous_COD_year	previous_COD_month
LT Solar 4a	[redacted]										
LT Storage 4a											
LT Solar 4b											
LT Storage 4b											
LT Solar 4c											
LT Storage 4c											
LT Wind CA 4											
LT Wind Out of State 4											
ST Geothermal											
ST Solar											
ST Wind											
ST Large Hydro											
LT Storage 0											
LT LD Storage 1											
GPC_PCC1_1_LT_MCE_renewal											
Generic CCGT RA_2026											
Generic CCGT RA_2027											
Generic CCGT RA_2028											
Generic CCGT RA_2029											
Generic CCGT RA_2030											
Generic CCGT RA_2031											
Generic CCGT RA_2032											
Generic CCGT RA_2033											
Generic CCGT RA_2034											
Generic CCGT RA_2035											
Generic CCGT RA_2036											
Generic CCGT RA_2037											
Generic CCGT RA_2038											
Generic CCGT RA_2039											
Generic CCGT RA_2040											
Generic CCGT RA_2041											
Generic CCGT RA_2042											
Generic CCGT RA_2043											
Generic CCGT RA_2044											
Generic CCGT RA_2045											

lse_unique_contract_id	previous_COD_day	remediation_plan	signed_contract	notice_to_proceed	public_contract	buying_energy_capacity	NQC_reporting_source	procurement_origin	planned_project_retention_priority
Daggett_Solar_Generic	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS, RA	
Strauss_PCC1_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS, RA	
Golden_Fields_Solar_Generic	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyOnly	Calculated	RPS, D.21-06-035	
Cormorant_Storage_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	D.23-02-040	
Key_Storage_LD_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	D.2106035	
Corby_Storage_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	D.23-02-040	
Humboldt House_PCC1_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	D.2106035	
Allium_PCC1_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated		
[redacted]									
Roccasecca_Storage_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RA	
Mulqueeney_Wind_PCC1_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS	
Desert Harvest_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS, RA	
Antelope 2_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS, RA	
Corcoran_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS, RA	
Goose Lake_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS, RA	
Great Valley_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS, RA	
Hay_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS, RA	
Kern Tule_PCC1_1_LT_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS, RA	
Lincoln_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS, RA	
Little Bear 1_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS, RA	
Little Bear 3_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS, RA	
Little Bear 4_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS, RA	
Little Bear 5_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS, RA	
MCE Solar 1_2.0_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS, RA	
MCE Solar 1_8.5_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS, RA	
Mustang_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS, RA	
Ostrom_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS, RA	
Geysers_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS, RA	
Voyager II_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS, RA	
Windpower_PCC1_1_LT_MCE_Update	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS, RA	
Redwood Landfill_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS, RA	
Geysers_PCC1_2_LT_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	D.2106035	
Buena Vista_PCC1_1_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS, RA	
Buck_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS	
SR Airport_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyOnly	Calculated	RPS	
Cooley I_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyOnly	Calculated	RPS	
Cost Plus_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyOnly	Calculated	RPS	
Freethy 1_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS	
Freethy 2_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS	
Cooley_DRES Quarry 2.4_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS	
Oakley RV & Boat Storage_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS	
Soscal Ferry Solar C_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS	
Soscal Ferry Solar D_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS	
American Canyon Solar A_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS	
American Canyon Solar B_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS	
American Canyon Solar C_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS	
SR Airport 2_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS	
EO Products_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS	

lse_unique_contract_id	previous_COD_day	remediation_plan	signed_contract	notice_to_proceed	public_contract	buying_energy_capacity	NQC_reporting_source	procurement_origin	planned_project_retention_priority
Silveira Ranch A_MCE	[redacted]	[redacted]	[redacted]	[redacted]	Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS	
Silveira Ranch B_MCE					Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS	
Silveira Ranch C_MCE					Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS	
Lake Herman_PCC1_1_LT_MCE					Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS,RA	
Byron Hot Springs_PCC1_2_LT_MCE					Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS,RA	
Oakley Phase 3_PCC1_1_LT_MCE					Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS	
Byron Highway_PCC1_1_LT_MCE					Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS	
Fallon_PCC1_1_LT_MCE					Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS	
Napa Self Storage_PCC1_1_LT_MCE					Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS	
CMSA_Updated_PCC1_2_LT_MCE					Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS	
26SB 8me_PCC1_1_MCE					Yes, but pricing and any financial information remains confidential	EnergyOnly	Calculated	RPS	
TEA_PCC1_4_MCE					Yes, but pricing and any financial information remains confidential	EnergyOnly	Calculated	RPS	
TEA_PCC1_13_MCE					Yes, but pricing and any financial information remains confidential	EnergyOnly	Calculated	RPS	
BP_PCC1_1_MCE					Yes, but pricing and any financial information remains confidential	EnergyOnly	Calculated	RPS	
Townsite_PCC1_1_MCE					Yes, but pricing and any financial information remains confidential	EnergyOnly	Calculated	RPS	
SDG&E_PCC1_1_MCE					Yes, but pricing and any financial information remains confidential	EnergyOnly	Calculated	RPS	
ARICA_PCC1_1_MCE					Yes, but pricing and any financial information remains confidential	EnergyOnly	Calculated	RPS	
GPC_PCC1_1_LT_MCE					Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS	
[redacted]									
RESI_RA_2_NS_MCE					Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	DR RA	
Midway_RA_1_NSF_MCE					[redacted]				
Sunrise Power_RA_1_SSF_MCE									
SEMPRA_RA_4_SS_MCE									
SENTINEL_RA_1_LF_MCE									
Indigo_RA_1_SS_MCE									
Watson_RA_1_SS_MCE									
Conflitti Jr_PCC1_DAC_1_LT_MCE					Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS	
Conflitti_PCC1_DAC_2_LT_MCE					Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS	
CES Electron Farm_RA_1_NS_MCE					Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RA	
WAPA_BR_2_MCE					Yes, but pricing and any financial information remains confidential	EnergyOnly	Calculated	Carbon Free	
[redacted]									
SENA_CF_16_MCE					Yes, but pricing and any financial information remains confidential	EnergyOnly	Calculated	Carbon Free	
CONSTEL_ACS_1_MCE					Yes, but pricing and any financial information remains confidential	EnergyOnly	Calculated	Carbon Free	
PG&E_Hydro_7_MCE					Yes, but pricing and any financial information remains confidential	EnergyOnly	Calculated	Carbon Free	
PG&E_Hydro_8_MCE_Allocation					Yes, but pricing and any financial information remains confidential	EnergyOnly	Calculated	Carbon Free	
PG&E_Nuke_2_MCE_Allocation					Yes, but pricing and any financial information remains confidential	EnergyOnly	Calculated	Carbon Free	
SENA_CF_17_MCE					Yes, but pricing and any financial information remains confidential	EnergyOnly	Calculated	Carbon Free	
CCSF_PCC1_Sell_1_MCE					Yes, but pricing and any financial information remains confidential	EnergyOnly	Calculated	Carbon Free	
EBCE_PCC1_Sell_2_MCE					Yes, but pricing and any financial information remains confidential	EnergyOnly	Calculated	RPS	
CAM - DR Allocation						CapacityOnly		Allocation	
CAM - Peaker Allocation						CapacityOnly		Allocation	
CAM - Storage						CapacityOnly		Allocation	
Other CAM						CapacityOnly		Allocation	
LT Geothermal 1						EnergyCapacity		RPS	
LT Solar 1						EnergyCapacity		RPS	
LT Storage 1						EnergyCapacity		RA	
LT Wind CA 1						EnergyCapacity		RPS	
LT Wind Out of State 1						EnergyCapacity		RPS	
LT Geothermal 2						EnergyCapacity		RPS	
LT Solar 2a						EnergyCapacity		RPS	
LT Storage 2a						EnergyCapacity		RA	
LT Solar 2b						EnergyCapacity		RPS	
LT Storage 2b						EnergyCapacity		RA	
LT Solar 2c						EnergyCapacity		RPS	
LT Storage 2c						EnergyCapacity		RA	
LT Wind CA 2						EnergyCapacity		RPS	
LT Wind Out of State 2						EnergyCapacity		RPS	
LT Geothermal 3						EnergyCapacity		RPS	
LT Solar 3a						EnergyCapacity		RPS	
LT Storage 3a						EnergyCapacity		RA	
LT Solar 3b						EnergyCapacity		RPS	
LT Storage 3b						EnergyCapacity		RA	
LT Solar 3c						EnergyCapacity		RPS	
LT Storage 3c						EnergyCapacity		RA	
LT Wind CA 3						EnergyCapacity		RPS	
LT Wind Out of State 3a						EnergyCapacity		RPS	
LT Wind Out of State 3b						EnergyCapacity		RPS	
LT Geothermal 4						EnergyCapacity		RPS	

lse_unique_contract_id	previous_COD_day	remediation_plan	signed_contract	notice_to_proceed	public_contract	buying_energy_capacity	NQC_reporting_source	procurement_origin	planned_project_retention_priority
LT Solar 4a	[redacted]					EnergyCapacity		RPS	
LT Storage 4a						EnergyCapacity		RA	
LT Solar 4b						EnergyCapacity		RPS	
LT Storage 4b						EnergyCapacity		RA	
LT Solar 4c						EnergyCapacity		RPS	
LT Storage 4c						EnergyCapacity		RA	
LT Wind CA 4						EnergyCapacity		RPS	
LT Wind Out of State 4						EnergyCapacity		RPS	
ST Geothermal						EnergyOnly		RPS	
ST Solar						EnergyOnly		RPS	
ST Wind						EnergyOnly		RPS	
ST Large Hydro						EnergyOnly		Carbon Free	
LT Storage 0						EnergyCapacity	Calculated	RA	
LT LD Storage 1						EnergyCapacity		RA	
GPC_PCC1_1_LT_MCE_renewal					Yes, but pricing and any financial information remains confidential	EnergyCapacity	Calculated	RPS	
Generic CCGT RA_2026						CapacityOnly		RA	
Generic CCGT RA_2027						CapacityOnly		RA	
Generic CCGT RA_2028						CapacityOnly		RA	
Generic CCGT RA_2029						CapacityOnly		RA	
Generic CCGT RA_2030						CapacityOnly		RA	
Generic CCGT RA_2031						CapacityOnly		RA	
Generic CCGT RA_2032						CapacityOnly		RA	
Generic CCGT RA_2033						CapacityOnly		RA	
Generic CCGT RA_2034						CapacityOnly		RA	
Generic CCGT RA_2035						CapacityOnly		RA	
Generic CCGT RA_2036						CapacityOnly		RA	
Generic CCGT RA_2037						CapacityOnly		RA	
Generic CCGT RA_2038						CapacityOnly		RA	
Generic CCGT RA_2039						CapacityOnly		RA	
Generic CCGT RA_2040						CapacityOnly		RA	
Generic CCGT RA_2041						CapacityOnly		RA	
Generic CCGT RA_2042						CapacityOnly		RA	
Generic CCGT RA_2043						CapacityOnly		RA	
Generic CCGT RA_2044						CapacityOnly		RA	
Generic CCGT RA_2045						CapacityOnly		RA	

lse_unique_contract_id	csp_resource_category	csp_annual_2028	csp_annual_2030	csp_annual_2035	csp_annual_2040	csp_annual_2045	macro_supertype
Daggett_Solar_Generic	Hybrid_or_Paired_Solar_and_Battery (GWh)	316.91	316.27	316.27	-	-	physical
Strauss_PCC1_MCE	Wind New PG&E (GWh)	234.72	234.35	234.35	-	-	physical
Golden_Fields_Solar_Generic	Hybrid_or_Paired_Solar_and_Battery (GWh)	317.15	313.93	305.89	213.88	-	physical
Cormorant_Storage_MCE	Battery Storage (MWh Energy Capacity)	1,000.00	1,000.00	1,000.00	1,000.00	-	newgeneric
Key_Storage_LD_MCE	Battery Storage (MWh Energy Capacity)	280.00	280.00	280.00	280.00	-	newgeneric
Corby_Storage_MCE	Battery Storage (MWh Energy Capacity)	400.00	400.00	400.00	400.00	-	newgeneric
Humboldt House_PCC1_MCE	Geothermal (GWh)	157.96	157.96	157.97	158.47	158.28	newgeneric
Allium_PCC1_MCE	Hybrid_or_Paired_Solar_and_Battery (GWh)	-	-	270.27	262.26	254.48	newgeneric
[redacted]							
Roccasecca_Storage_MCE	Battery Storage (MWh Energy Capacity)	506.36	506.36	506.36	506.36	-	newgeneric
Mulqueeney_Wind_PCC1_MCE	Wind Baseline California (GWh)	33.45	222.86	222.86	223.26	222.86	newgeneric
Desert Harvest_MCE	Solar Baseline California (GWh)	197.23	196.82	196.82	191.24	-	physical
Antelope 2_MCE	Solar Baseline California (GWh)	247.97	247.57	247.57	-	-	physical
Corcoran_MCE	Solar Baseline California (GWh)	22.88	22.84	22.84	6.32	-	physical
Goose Lake_MCE	Solar Baseline California (GWh)	31.54	31.48	31.48	7.73	-	physical
Great Valley_MCE	Solar Baseline California (GWh)	282.70	282.17	-	-	-	physical
Hay_MCE	Biomass (GWh)	12.02	11.99	-	-	-	physical
Kern Tule_PCC1_1_LT_MCE	Small Hydro (GWh)	37.00	37.00	37.00	-	-	physical
Lincoln_MCE	Biomass (GWh)	29.49	29.44	-	-	-	physical
Little Bear 1_MCE	Solar Baseline California (GWh)	82.60	82.43	82.43	80.09	-	physical
Little Bear 3_MCE	Solar Baseline California (GWh)	26.77	26.71	26.71	25.48	-	physical
Little Bear 4_MCE	Solar Baseline California (GWh)	45.41	45.30	45.30	42.28	-	physical
Little Bear 5_MCE	Solar Baseline California (GWh)	127.84	127.60	127.60	124.56	-	physical
MCE Solar 1_2.0_MCE	Solar Baseline California (GWh)	3.90	3.89	3.89	-	-	physical
MCE Solar 1_8.5_MCE	Solar Baseline California (GWh)	17.65	17.62	17.62	-	-	physical
Mustang_MCE	Solar Baseline California (GWh)	65.40	65.31	-	-	-	physical
Ostrom_MCE	Biomass (GWh)	28.23	28.15	-	-	-	physical
Geysers_MCE	Geothermal (GWh)	-	-	-	-	-	physical
Voyager II_MCE	Wind Baseline California (GWh)	151.47	150.56	-	-	-	physical
Windpower_PCC1_1_LT_MCE_Update	Wind Baseline California (GWh)	189.97	189.97	189.97	-	-	physical
Redwood Landfill_MCE	Biogas (GWh)	30.48	30.39	30.39	-	-	physical
Geysers_PCC1_2_LT_MCE	Geothermal (GWh)	61.00	61.00	61.00	-	-	existinggeneric
Buena Vista_PCC1_1_MCE	Wind New PG&E (GWh)	98.15	96.03	26.99	-	-	newgeneric
Buck_MCE	Solar Baseline California (GWh)	2.49	2.45	2.38	0.66	-	existinggeneric
SR Airport_MCE	Solar Baseline California (GWh)	1.65	1.65	-	-	-	existinggeneric
Cooley I_MCE	Solar Baseline California (GWh)	2.00	2.00	2.00	-	-	existinggeneric
Cost Plus_MCE	Solar Baseline California (GWh)	0.50	0.50	0.50	-	-	existinggeneric
Freethy 1_MCE	Solar Baseline California (GWh)	1.80	1.80	1.80	-	-	existinggeneric
Freethy 2_MCE	Solar Baseline California (GWh)	1.80	1.80	1.80	-	-	existinggeneric
Cooley_DRES Quarry 2.4_MCE	Solar Baseline California (GWh)	0.09	-	-	-	-	existinggeneric
Oakley RV & Boat Storage_MCE	Solar Baseline California (GWh)	1.60	1.60	1.60	-	-	existinggeneric
Soscal Ferry Solar C_MCE	Solar Baseline California (GWh)	2.60	2.60	2.60	2.52	-	existinggeneric
Soscal Ferry Solar D_MCE	Solar Baseline California (GWh)	2.60	2.60	2.60	2.52	-	existinggeneric
American Canyon Solar A_MCE	Solar Baseline California (GWh)	2.65	2.65	2.65	-	-	existinggeneric
American Canyon Solar B_MCE	Solar Baseline California (GWh)	2.65	2.65	2.65	-	-	existinggeneric
American Canyon Solar C_MCE	Solar Baseline California (GWh)	2.65	2.65	2.65	-	-	existinggeneric
SR Airport 2_MCE	Solar Baseline California (GWh)	2.04	2.04	2.04	1.63	-	existinggeneric
EO Products_MCE	Solar Baseline California (GWh)	0.09	-	-	-	-	existinggeneric

lse_unique_contract_id	csp_resource_category	csp_annual_2028	csp_annual_2030	csp_annual_2035	csp_annual_2040	csp_annual_2045	macro_supertype
Silveira Ranch A_MCE	Solar Baseline California (GWh)	2.56	2.51	2.46	2.41	-	existinggeneric
Silveira Ranch B_MCE	Solar Baseline California (GWh)	2.56	2.51	2.46	2.41	-	existinggeneric
Silveira Ranch C_MCE	Solar Baseline California (GWh)	2.56	2.51	2.46	2.41	-	existinggeneric
Lake Herman_PCC1_1_LT_MCE	Solar Baseline California (GWh)	13.43	13.29	12.95	12.60	-	physical
Byron Hot Springs_PCC1_2_LT_MCE	Solar Baseline California (GWh)	2.66	2.63	2.57	2.50	-	existinggeneric
Oakley Phase 3_PCC1_1_LT_MCE	Solar Baseline California (GWh)	1.62	1.62	1.62	1.62	-	existinggeneric
Byron Highway_PCC1_1_LT_MCE	Solar Baseline California (GWh)	13.65	13.51	13.16	12.81	-	existinggeneric
Fallon_PCC1_1_LT_MCE	Solar Baseline California (GWh)	1.90	1.90	1.90	1.90	-	existinggeneric
Napa Self Storage_PCC1_1_LT_MCE	Solar Baseline California (GWh)	1.05	1.05	1.05	1.05	-	existinggeneric
CMSA_Updated_PCC1_2_LT_MCE	Biogas (GWh)	3.47	3.46	-	-	-	existinggeneric
26SB 8me_PCC1_1_MCE	Solar Baseline California (GWh)	-	-	-	-	-	existinggeneric
TEA_PCC1_4_MCE	Solar Baseline California (GWh)	-	-	-	-	-	existinggeneric
TEA_PCC1_13_MCE	NA	-	-	-	-	-	existinggeneric
BP_PCC1_1_MCE	NA	-	-	-	-	-	existinggeneric
Townsite_PCC1_1_MCE	Solar Distributed (GWh)	-	-	-	-	-	existinggeneric
SDG&E_PCC1_1_MCE	NA	-	-	-	-	-	existinggeneric
ARICA_PCC1_1_MCE	Solar Baseline California (GWh)	-	-	-	-	-	existinggeneric
GPC_PCC1_1_LT_MCE	Geothermal (GWh)	878.40	876.00	876.00	-	-	existinggeneric
[redacted]							
Midway_RA_1_NSF_MCE							
Sunrise Power_RA_1_SSF_MCE							
SEMPRA_RA_4_SS_MCE							
SENTINEL_RA_1_LF_MCE							
Indigo_RA_1_SS_MCE							
Watson_RA_1_SS_MCE							
Conflitti Jr_PCC1_DAC_1_LT_MCE	Solar Baseline California (GWh)	0.66	0.65	0.64	0.62	0.62	existinggeneric
Conflitti_PCC1_DAC_2_LT_MCE	Solar Baseline California (GWh)	12.15	12.00	11.71	11.44	11.42	physical
CES Electron Farm_RA_1_NS_MCE	Solar Baseline California (GWh)	-	-	-	-	-	physical
WAPA_BR_2_MCE	Large Hydro (GWh)	24.51	24.50	24.50	24.51	-	existinggeneric
[redacted]							
SENA_CF_16_MCE	Large Hydro (GWh)	-	-	-	-	-	existinggeneric
CONSTEL_ACS_1_MCE	Large Hydro (GWh)	-	-	-	-	-	existinggeneric
PG&E_Hydro_7_MCE	Large Hydro (GWh)	[redacted]					existinggeneric
PG&E_Hydro_8_MCE_Allocation	Large Hydro (GWh)						existinggeneric
PG&E_Nuke_2_MCE_Allocation	Nuclear (GWh)						existinggeneric
SENA_CF_17_MCE	Large Hydro (GWh)	-	-	-	-	-	existinggeneric
CCSF_PCC1_Sell_1_MCE	Solar Baseline California (GWh)	-	-	-	-		physical
EBCE_PCC1_Sell_2_MCE	Solar Baseline California (GWh)						physical
CAM - DR Allocation	NA	[redacted]					existinggeneric
CAM - Peaker Allocation	NA						existinggeneric
CAM - Storage	NA						existinggeneric
Other CAM	NA						existinggeneric
LT Geothermal 1	Geothermal (GWh)			158.00	158.00	158.00	newgeneric
LT Solar 1	Solar New PG&E (GWh)		383.65	383.65	383.65	383.65	newgeneric
LT Storage 1	Battery Storage (MWh Energy Capacity)		567.548465	567.548465	567.548465	567.548465	newgeneric
LT Wind CA 1	Wind Baseline California (GWh)		-	-	-	-	newgeneric
LT Wind Out of State 1	Wind New Mexico (GWh)		95.91	95.91	95.91	95.91	newgeneric
LT Geothermal 2	Geothermal (GWh)			424.91	424.91	424.91	newgeneric
LT Solar 2a	Solar New PG&E (GWh)			460.32	460.32	460.32	newgeneric
LT Storage 2a	Battery Storage (MWh Energy Capacity)			1361.6	1361.6	1361.6	newgeneric
LT Solar 2b	Solar New SCE SDG&E (GWh)			460.32	460.32	460.32	newgeneric
LT Storage 2b	Battery Storage (MWh Energy Capacity)			1361.6	1361.6	1361.6	newgeneric
LT Solar 2c	Solar New SCE SDG&E (GWh)			460.32	460.32	460.32	newgeneric
LT Storage 2c	Battery Storage (MWh Energy Capacity)			1361.6	1361.6	1361.6	newgeneric
LT Wind CA 2	Wind Baseline California (GWh)			318.68	318.68	318.68	newgeneric
LT Wind Out of State 2	Wind New Mexico (GWh)			-	-	-	newgeneric
LT Geothermal 3	Geothermal (GWh)			-	-	-	newgeneric
LT Solar 3a	Solar New PG&E (GWh)			-	621.78	621.78	newgeneric
LT Storage 3a	Battery Storage (MWh Energy Capacity)			-	-	-	newgeneric
LT Solar 3b	Solar New SCE SDG&E (GWh)			-	621.78	621.78	newgeneric
LT Storage 3b	Battery Storage (MWh Energy Capacity)			-	1840	1840	newgeneric
LT Solar 3c	Solar New SCE SDG&E (GWh)			-	621.78	621.78	newgeneric
LT Storage 3c	Battery Storage (MWh Energy Capacity)			-	1840	1840	newgeneric
LT Wind CA 3	Wind Baseline California (GWh)			-	-	-	newgeneric
LT Wind Out of State 3a	Wind New Mexico (GWh)			-	502.21	502.21	newgeneric
LT Wind Out of State 3b	Wind Wyoming (GWh)			-	502.2053906	502.2053906	newgeneric
LT Geothermal 4	Geothermal (GWh)			-	-	-	newgeneric

lse_unique_contract_id	csp_resource_category	csp_annual_2028	csp_annual_2030	csp_annual_2035	csp_annual_2040	csp_annual_2045	macro_supertype
LT Solar 4a	Solar New PG&E (GWh)			-	-	-	newgeneric
LT Storage 4a	Battery Storage (MWh Energy Capacity)			-	-	1368	newgeneric
LT Solar 4b	Solar New PG&E (GWh)			-	-	-	newgeneric
LT Storage 4b	Battery Storage (MWh Energy Capacity)			-	-	0	newgeneric
LT Solar 4c	Solar New SCE SDG&E (GWh)			-	-	462.64	newgeneric
LT Storage 4c	Battery Storage (MWh Energy Capacity)			-	-	0	newgeneric
LT Wind CA 4	Wind Baseline California (GWh)			-	-	-	newgeneric
LT Wind Out of State 4	Wind New Mexico (GWh)			-	-	594.82	newgeneric
ST Geothermal	Geothermal (GWh)			-	-	-	existinggeneric
ST Solar	Solar Baseline California (GWh)	472.52	626.42	547.21	612.56	341.25	existinggeneric
ST Wind	Wind Baseline California (GWh)	118.13	456.61	136.80	153.14	85.31	existinggeneric
ST Large Hydro	Large Hydro (GWh)	867.76	500.00	532.01	595.55	500.00	existinggeneric
LT Storage 0	Battery Storage (MWh Energy Capacity)	740	740	740	740		newgeneric
LT LD Storage 1	Battery Storage (MWh Energy Capacity)			200	200	200	newgeneric
GPC_PCC1_1_LT_MCE_renewal	Geothermal (GWh)	-	-	-	-	876.00	existinggeneric
Generic CCGT RA_2026	NA						existinggeneric
Generic CCGT RA_2027	NA						existinggeneric
Generic CCGT RA_2028	NA						existinggeneric
Generic CCGT RA_2029	NA						existinggeneric
Generic CCGT RA_2030	NA						existinggeneric
Generic CCGT RA_2031	NA						existinggeneric
Generic CCGT RA_2032	NA						existinggeneric
Generic CCGT RA_2033	NA						existinggeneric
Generic CCGT RA_2034	NA						existinggeneric
Generic CCGT RA_2035	NA						existinggeneric
Generic CCGT RA_2036	NA						existinggeneric
Generic CCGT RA_2037	NA						existinggeneric
Generic CCGT RA_2038	NA						existinggeneric
Generic CCGT RA_2039	NA						existinggeneric
Generic CCGT RA_2040	NA						existinggeneric
Generic CCGT RA_2041	NA						existinggeneric
Generic CCGT RA_2042	NA						existinggeneric
Generic CCGT RA_2043	NA						existinggeneric
Generic CCGT RA_2044	NA						existinggeneric
Generic CCGT RA_2045	NA						existinggeneric

lse_unique_contract_id	notes
Daggett_Solar_Generic	[redacted]
Strauss_PCC1_MCE	
Golden_Fields_Solar_Generic	
Cormorant_Storage_MCE	
Key_Storage_LD_MCE	
Corby_Storage_MCE	
Humboldt House_PCC1_MCE	
Allium_PCC1_MCE	
[redacted]	
Roccasecca_Storage_MCE	
Mulqueeney_Wind_PCC1_MCE	
Desert Harvest_MCE	
Antelope 2_MCE	
Corcoran_MCE	
Goose Lake_MCE	
Great Valley_MCE	
Hay_MCE	
Kern Tule_PCC1_1_LT_MCE	
Lincoln_MCE	
Little Bear 1_MCE	
Little Bear 3_MCE	
Little Bear 4_MCE	
Little Bear 5_MCE	
MCE Solar 1_2.0_MCE	
MCE Solar 1_8.5_MCE	
Mustang_MCE	
Ostrom_MCE	
Geysers_MCE	
Voyager II_MCE	
Windpower_PCC1_1_LT_MCE_Update	
Redwood Landfill_MCE	
Geysers_PCC1_2_LT_MCE	
Buena Vista_PCC1_1_MCE	
Buck_MCE	
SR Airport_MCE	
Cooley I_MCE	
Cost Plus_MCE	
Freethy 1_MCE	
Freethy 2_MCE	
Cooley_DRES Quarry 2.4_MCE	
Oakley RV & Boat Storage_MCE	
Soscal Ferry Solar C_MCE	
Soscal Ferry Solar D_MCE	
American Canyon Solar A_MCE	
American Canyon Solar B_MCE	
American Canyon Solar C_MCE	
SR Airport 2_MCE	
EO Products_MCE	

lse_unique_contract_id	notes
Silveira Ranch A_MCE	[redacted]
Silveira Ranch B_MCE	
Silveira Ranch C_MCE	
Lake Herman_PCC1_1_LT_MCE	
Byron Hot Springs_PCC1_2_LT_MCE	
Oakley Phase 3_PCC1_1_LT_MCE	
Byron Highway_PCC1_1_LT_MCE	
Fallon_PCC1_1_LT_MCE	
Napa Self Storage_PCC1_1_LT_MCE	
CMSA_Updated_PCC1_2_LT_MCE	
26SB 8me_PCC1_1_MCE	
TEA_PCC1_4_MCE	
TEA_PCC1_13_MCE	
BP_PCC1_1_MCE	
Townsite_PCC1_1_MCE	
SDG&E_PCC1_1_MCE	
ARICA_PCC1_1_MCE	
GPC_PCC1_1_LT_MCE	
[redacted]	
RESI_RA_2_NS_MCE	
Midway_RA_1_NSF_MCE	
Sunrise Power_RA_1_SSF_MCE	
SEMPRA_RA_4_SS_MCE	
SENTINEL_RA_1_LF_MCE	
Indigo_RA_1_SS_MCE	
Watson_RA_1_SS_MCE	
Conflitti Jr_PCC1_DAC_1_LT_MCE	
Conflitti_PCC1_DAC_2_LT_MCE	
CES Electron Farm_RA_1_NS_MCE	
WAPA_RR_2_MCE	
[redacted]	
SENA_CF_16_MCE	
CONSTEL_ACS_1_MCE	
PG&E_Hydro_7_MCE	
PG&E_Hydro_8_MCE_Allocation	
PG&E_Nuke_2_MCE_Allocation	
SENA_CF_17_MCE	
CCSF_PCC1_Sell_1_MCE	
EBCE_PCC1_Sell_2_MCE	
CAM - DR Allocation	
CAM - Peaker Allocation	
CAM - Storage	
Other CAM	
LT Geothermal 1	
LT Solar 1	
LT Storage 1	
LT Wind CA 1	
LT Wind Out of State 1	
LT Geothermal 2	
LT Solar 2a	
LT Storage 2a	
LT Solar 2b	
LT Storage 2b	
LT Solar 2c	
LT Storage 2c	
LT Wind CA 2	
LT Wind Out of State 2	
LT Geothermal 3	
LT Solar 3a	
LT Storage 3a	
LT Solar 3b	
LT Storage 3b	
LT Solar 3c	
LT Storage 3c	
LT Wind CA 3	
LT Wind Out of State 3a	
LT Wind Out of State 3b	
LT Geothermal 4	

lse_unique_contract_id	notes
LT Solar 4a	
LT Storage 4a	
LT Solar 4b	
LT Storage 4b	
LT Solar 4c	
LT Storage 4c	
LT Wind CA 4	
LT Wind Out of State 4	
ST Geothermal	
ST Solar	
ST Wind	
ST Large Hydro	
LT Storage 0	
LT LD Storage 1	
GPC_PCC1_1_LT_MCE_renewal	
Generic CCGT RA_2026	
Generic CCGT RA_2027	
Generic CCGT RA_2028	
Generic CCGT RA_2029	
Generic CCGT RA_2030	
Generic CCGT RA_2031	
Generic CCGT RA_2032	
Generic CCGT RA_2033	
Generic CCGT RA_2034	
Generic CCGT RA_2035	
Generic CCGT RA_2036	
Generic CCGT RA_2037	
Generic CCGT RA_2038	
Generic CCGT RA_2039	
Generic CCGT RA_2040	
Generic CCGT RA_2041	
Generic CCGT RA_2042	
Generic CCGT RA_2043	
Generic CCGT RA_2044	
Generic CCGT RA_2045	

BTM PV Capacity Forecast (MW) - updated with 2025 Filing Requirements release

Service Ar	Type	LSE CPUC	LSE Name	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
PGE	IOU	PGE	Pacific Gas & Electric Company (Bundled)	2,670	2,775	2,827	3,128	3,413	3,626	3,760	3,962	4,026	4,060	4,100	4,148	4,200	4,254	4,310	4,370	4,429	4,491	4,555	4,619
PGE	ESP		Pacific Gas & Electric Company (Direct Access)	1,158	1,182	1,127	1,095	1,072	1,054	1,049	1,035	1,005	979	961	947	938	930	926	925	924	925	928	933
PGE	CCA	MBCPA	Central Coast Community Energy	522	536	525	534	552	572	599	626	643	662	678	694	710	725	742	758	774	790	806	821
PGE	CCA	CPSF	CleanPowerSF	353	364	380	387	400	412	430	445	454	462	470	478	486	494	502	510	519	527	535	543
PGE	CCA	EBCE	Ava Community Energy	994	1,032	1,198	1,221	1,291	1,378	1,458	1,491	1,508	1,524	1,542	1,555	1,568	1,581	1,598	1,616	1,634	1,653	1,672	1,692
PGE	CCA	KCCP	King City Community Power (KCCP)	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5
PGE	CCA	MCE	Marin Clean Energy	611	617	593	591	599	608	625	641	647	653	660	667	675	683	692	701	709	718	727	736
PGE	CCA	PCEA	Peninsula Clean Energy Authority	384	394	386	394	419	443	465	485	500	515	529	543	557	570	584	598	612	626	639	652
PGE	CCA	PIONEER	Pioneer Community Energy	185	232	361	395	406	416	432	445	452	458	464	471	478	484	492	500	509	518	526	534
PGE	CCA	RCEA	Redwood Coast Energy Authority	57	58	57	59	61	63	67	70	72	74	76	79	81	82	85	87	89	91	93	95
PGE	CCA	SJCE	San José Clean Energy (SJCE)	490	548	750	794	809	832	826	827	812	823	834	845	856	866	876	887	898	909	921	934
PGE	CCA	SVCEA	Silicon Valley Clean Energy Authority	441	470	469	492	516	533	551	567	574	583	591	599	608	616	625	635	644	653	662	672
PGE	CCA	SOMA	Sonoma Clean Power	228	235	231	236	245	255	269	281	290	299	308	316	325	332	341	349	358	366	374	382
PGE	CCA	VCEA	Valley Clean Energy Alliance	74	76	73	74	76	77	80	82	84	85	86	87	88	90	91	92	94	95	97	98
SCE	IOU	SCE	Southern California Edison Company (Bundled)	3,848	4,035	4,266	4,519	4,796	5,073	5,333	5,594	5,739	5,880	6,017	6,153	6,280	6,406	6,534	6,658	6,782	6,907	7,032	7,157
SCE	ESP		Southern California Edison Company (Direct Acc	879	927	947	963	979	995	1,006	1,014	998	982	976	972	969	968	969	972	975	981	990	1,000
SCE	CCA	AVCE	Apple Valley Choice Energy	17	18	19	20	22	23	24	25	25	26	26	27	27	28	28	29	29	30	30	31
SCE	CCA	MBCPA	Central Coast Community Energy	38	41	44	46	49	52	54	57	58	59	61	62	63	64	65	66	67	68	70	71
SCE	CCA	CPASC	Clean Power Alliance	833	887	954	1,020	1,094	1,164	1,231	1,297	1,337	1,374	1,401	1,428	1,453	1,477	1,503	1,528	1,554	1,580	1,606	1,633
SCE	CCA	DCE	Desert Community Energy	27	29	31	33	35	37	39	41	42	43	44	45	46	46	47	48	49	50	51	52
SCE	CCA	PALMDALE	Energy for Palmdale's Independent Choice (EPIC	36	38	41	44	47	50	53	55	57	58	59	60	62	63	64	65	66	68	69	70
SCE	CCA	LCE	Lancaster Choice	44	47	50	54	58	61	64	67	69	71	72	74	75	76	78	79	81	82	83	85
SCE	CCA	OCPA	Orange County Power Authority	173	182	194	205	217	228	239	249	254	259	264	268	273	277	281	285	290	294	299	303
SCE	CCA	PRIME	Pico Rivera Innovative Municipal Energy	15	16	17	18	19	21	21	22	23	23	24	24	25	25	26	26	26	27	27	28
SCE	CCA	POMONA	Pomona Choice Energy	31	33	35	38	40	43	45	47	48	49	50	51	52	53	54	55	56	57	58	59
SCE	CCA	RMEA	Rancho Mirage Energy Authority	21	22	24	25	27	28	30	31	32	33	33	34	35	35	36	37	37	38	39	40
SCE	CCA	SJP	San Jacinto Power	13	14	15	16	17	18	19	20	20	21	21	21	22	22	23	23	24	24	25	25
SCE	CCA	SBCE	Santa Barbara Clean Energy	25	26	29	31	33	35	38	40	42	43	45	46	48	49	50	52	53	55	56	57
SDGE	IOU	SDGE	San Diego Gas & Electric Company (Bundled)	433	407	437	458	480	504	526	549	565	591	607	621	633	647	666	677	687	696	705	713
SDGE	ESP		San Diego Gas & Electric Company (Direct Acce	543	550	544	539	533	529	521	513	498	481	469	461	454	449	443	440	437	436	436	436
SDGE	CCA	CEA	Clean Energy Alliance	328	343	358	373	389	404	416	428	435	440	446	451	457	462	467	473	478	484	489	495
SDGE	CCA	SDCP	San Diego Community Power	1,123	1,219	1,275	1,341	1,408	1,471	1,526	1,580	1,612	1,635	1,663	1,690	1,716	1,741	1,758	1,782	1,806	1,830	1,853	1,877

*Source : CEDU 2024 Demand Side Modelling and LSE Load Forecast

Reliability Need - updated with 2025 Filing Requirements release

	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CAISO gross peak (MW)	55,445	56,568	58,624	60,556	62,505	64,292	66,076	68,093	69,939	71,976	73,218	74,668	76,057	77,338	78,968	79,726	80,523	81,423	82,089	82,936
PRM (%)	16%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	14%	14%	14%	14%	14%	14%	14%	14%
CAISO Total Reliability Need (TRN) (MW)	64,088	65,238	67,457	69,522	71,597	73,685	75,771	78,127	80,290	82,674	83,983	85,527	86,996	88,337	90,073	90,937	91,846	92,873	93,633	94,599
CAISO Reliability Procurement Need (RPN) (MW)	53,361	54,394	55,427	50,516	45,606	47,269	48,932	50,595	52,259	53,922	55,180	56,437	57,695	58,953	60,210	60,949	61,688	62,427	63,167	63,906
LSE share of load during critical hours (%)																				
LSE reliability procurement requirement (RPR) (MW)																				

BTM PV Forecast - updated with 2025 Filing Requirements release

	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
Capacity (MW)	611	617	593	591	599	608	625	641	647	653	660	667	675	683	692	701	709	718	727	736

ELCC (%) - updated with 2025 Filing Requirements release

Resource Type	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
in_state_wind_south	20%	18%	15%	15%	15%	16%	17%	18%	19%	19%	18%	16%	14%	12%	11%	11%	11%	11%	12%	12%
in_state_wind_north	30%	28%	26%	31%	35%	35%	35%	35%	35%	35%	33%	31%	28%	26%	24%	24%	24%	25%	25%	26%
out_of_state_wind_WY	44%	44%	44%	41%	37%	38%	39%	40%	41%	41%	39%	37%	35%	33%	30%	32%	33%	35%	36%	38%
out_of_state_wind_IDWAOR	27%	22%	17%	21%	25%	26%	27%	27%	28%	29%	27%	25%	23%	22%	20%	20%	20%	19%	19%	19%
out_of_state_wind_AZNM	43%	43%	43%	39%	36%	37%	38%	40%	41%	42%	39%	37%	34%	32%	29%	30%	31%	32%	33%	34%
offshore_wind_north	62%	65%	69%	63%	57%	55%	53%	51%	48%	46%	44%	42%	40%	38%	36%	36%	36%	36%	36%	36%
offshore_wind_south	42%	45%	47%	39%	30%	29%	28%	26%	25%	23%	22%	20%	19%	18%	16%	17%	19%	20%	21%	22%
utility_pv	8%	9%	10%	10%	10%	11%	11%	11%	11%	11%	11%	12%	12%	13%	13%	13%	12%	12%	11%	11%
btm_pv	7%	8%	8%	8%	7%	8%	8%	8%	9%	9%	10%	10%	10%	11%	11%	11%	10%	10%	9%	9%
4hr_batteries	92%	84%	75%	49%	22%	21%	20%	19%	18%	17%	17%	17%	17%	17%	17%	17%	17%	16%	16%	16%
8hr_batteries	97%	92%	87%	63%	39%	36%	32%	29%	25%	22%	24%	25%	27%	28%	30%	30%	31%	31%	32%	32%
12hr_batteries	94%	92%	91%	69%	47%	42%	37%	32%	27%	22%	24%	25%	27%	28%	30%	30%	31%	31%	32%	32%
24hr_batteries	96%	94%	92%	74%	56%	50%	44%	37%	31%	25%	27%	29%	30%	32%	34%	34%	34%	34%	34%	35%
100hr_batteries	99%	99%	98%	86%	74%	69%	64%	58%	53%	48%	49%	50%	51%	52%	53%	53%	52%	52%	51%	51%
pumped_storage	90%	87%	85%	66%	48%	43%	37%	32%	27%	22%	24%	25%	27%	28%	30%	30%	31%	31%	32%	32%
demand_response	94%	85%	76%	59%	42%	36%	30%	24%	18%	12%	12%	11%	11%	11%	11%	10%	10%	10%	9%	9%
hydro	69%	66%	63%	57%	50%	48%	46%	44%	43%	41%	40%	39%	39%	38%	37%	36%	36%	35%	35%	34%
small_hydro	42%	39%	36%	33%	30%	28%	26%	24%	22%	21%	21%	21%	21%	21%	21%	20%	20%	20%	19%	19%
geothermal	91%	91%	92%	89%	87%	87%	87%	87%	87%	87%	87%	88%	88%	88%	88%	89%	89%	89%	89%	90%
biomass_wood	100%	99%	99%	99%	99%	99%	99%	98%	98%	98%	98%	98%	99%	99%	99%	99%	98%	98%	98%	98%
biogas	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%
nuclear	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
gas_cc	86%	85%	85%	83%	82%	82%	82%	83%	83%	83%	84%	85%	86%	87%	88%	87%	87%	86%	85%	84%
gas_ct	69%	69%	69%	65%	62%	62%	62%	62%	61%	61%	64%	66%	69%	71%	74%	72%	71%	70%	68%	67%
cogen	92%	91%	91%	91%	90%	90%	90%	90%	90%	90%	91%	92%	92%	93%	N/A	N/A	N/A	N/A	N/A	N/A
ice	94%	94%	94%	94%	93%	93%	93%	93%	93%	93%	94%	94%	95%	95%	96%	95%	95%	95%	94%	94%
Out of state Wind	38%	36%	35%	34%	33%	34%	35%	36%	36%	37%	35%	33%	31%	29%	27%	27%	28%	29%	30%	30%
In state wind	25%	23%	21%	23%	25%	26%	26%	26%	27%	27%	25%	23%	21%	19%	17%	17%	18%	18%	18%	19%

Contract ELCC (effective MW)

Resource Type	Conrtact Status	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
hybrid	Online	[redacted]																			
in_state_wind_south	Online																				
in_state_wind_north	Online																				
out_of_state_wind_WY	Online																				
out_of_state_wind_IDWAOR	Online																				
out_of_state_wind_AZNM	Online																				
offshore_wind_north	Online																				
offshore_wind_south	Online																				
utility_pv	Online																				
btm_pv	Online																				
4hr_batteries	Online																				
8hr_batteries	Online																				
12hr_batteries	Online																				
24hr_batteries	Online																				
100hr_batteries	Online																				
pumped_storage	Online																				
demand_response	Online																				
hydro	Online																				
small_hydro	Online																				
geothermal	Online																				
biomass_wood	Online																				
biogas	Online																				
nuclear	Online																				
gas_cc	Online																				
gas_ct	Online																				
cogen	Online																				
ice	Online																				
hybrid	Development																				
in_state_wind_south	Development																				
in_state_wind_north	Development																				
out_of_state_wind_WY	Development																				
out_of_state_wind_IDWAOR	Development																				
out_of_state_wind_AZNM	Development																				
offshore_wind_north	Development																				
offshore_wind_south	Development																				
utility_pv	Development																				
btm_pv	Development																				
4hr_batteries	Development																				
8hr_batteries	Development																				
12hr_batteries	Development																				
24hr_batteries	Development																				
100hr_batteries	Development																				
pumped_storage	Development																				
demand_response	Development																				
hydro	Development																				
small_hydro	Development																				
geothermal	Development																				
biomass_wood	Development																				
biogas	Development																				
nuclear	Development																				
gas_cc	Development																				
gas_ct	Development																				
cogen	Development																				
ice	Development																				
hybrid	Review																				
in_state_wind_south	Review																				
in_state_wind_north	Review																				
out_of_state_wind_WY	Review																				
out_of_state_wind_IDWAOR	Review																				
out_of_state_wind_AZNM	Review																				
offshore_wind_north	Review																				
offshore_wind_south	Review																				
utility_pv	Review																				
btm_pv	Review																				
4hr_batteries	Review																				
8hr_batteries	Review																				
12hr_batteries	Review																				
24hr_batteries	Review																				
100hr_batteries	Review																				
pumped_storage	Review																				
demand_response	Review																				
hydro	Review																				
small_hydro	Review																				
geothermal	Review																				
biomass_wood	Review																				
biogas	Review																				
nuclear	Review																				

gas_cc	Review
gas_ct	Review
cogen	Review
ice	Review
hybrid	PlannedExisting
in_state_wind_south	PlannedExisting
in_state_wind_north	PlannedExisting
out_of_state_wind_WY	PlannedExisting
out_of_state_wind_IDWAOR	PlannedExisting
out_of_state_wind_AZNM	PlannedExisting
offshore_wind_north	PlannedExisting
offshore_wind_south	PlannedExisting
utility_pv	PlannedExisting
btm_pv	PlannedExisting
4hr_batteries	PlannedExisting
8hr_batteries	PlannedExisting
12hr_batteries	PlannedExisting
24hr_batteries	PlannedExisting
100hr_batteries	PlannedExisting
pumped_storage	PlannedExisting
demand_response	PlannedExisting
hydro	PlannedExisting
small_hydro	PlannedExisting
geothermal	PlannedExisting
biomass_wood	PlannedExisting
biogas	PlannedExisting
nuclear	PlannedExisting
gas_cc	PlannedExisting
gas_ct	PlannedExisting
cogen	PlannedExisting
ice	PlannedExisting
hybrid	PlannedNew
in_state_wind_south	PlannedNew
in_state_wind_north	PlannedNew
out_of_state_wind_WY	PlannedNew
out_of_state_wind_IDWAOR	PlannedNew
out_of_state_wind_AZNM	PlannedNew
offshore_wind_north	PlannedNew
offshore_wind_south	PlannedNew
utility_pv	PlannedNew
btm_pv	PlannedNew
4hr_batteries	PlannedNew
8hr_batteries	PlannedNew
12hr_batteries	PlannedNew
24hr_batteries	PlannedNew
100hr_batteries	PlannedNew
pumped_storage	PlannedNew
demand_response	PlannedNew
hydro	PlannedNew
small_hydro	PlannedNew
geothermal	PlannedNew
biomass_wood	PlannedNew
biogas	PlannedNew
nuclear	PlannedNew
gas_cc	PlannedNew
gas_ct	PlannedNew
cogen	PlannedNew
ice	PlannedNew
LSE total supply (effective MW)	



Load and Resource Table by Resource Type

	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
LSE reliability need (MW)																				
ELCC by resource type (effective MW)																				
hybrid																				
in_state_wind_south																				
in_state_wind_north																				
out_of_state_wind_WY																				
out_of_state_wind_IDWAOR																				
out_of_state_wind_AZNM																				
offshore_wind_north																				
offshore_wind_south																				
utility_pv																				
btm_pv																				
4hr_batteries																				
8hr_batteries																				
12hr_batteries																				
24hr_batteries																				
100hr_batteries																				
pumped_storage																				
demand_response																				
hydro																				
small_hydro																				
geothermal																				
biomass_wood																				
biogas																				
nuclear																				
gas_cc																				
gas_ct																				
cogen																				
ice																				
LSE total supply (effective MW)																				
Net capacity position (+ve = excess, -ve = shortfall) (effective MW)																				

Load and Resource Table by Contract Status

	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
LSE reliability need (MW)																				
ELCC by contract status (effective MW)																				
Online																				
Development																				
Review																				
PlannedExisting																				
PlannedNew																				
BTM PV																				
LSE total supply (effective MW)																				
Net capacity position (+ve = excess, -ve = shortfall) (effective MW)																				





lse_unique_contract_id	resource	contract_status	contracted_nameplate_capacity	sep_contracted_mw_nqc	is_hybrid_paired	can_charge_from_grid	contracted_generator_mw	contracted_storage_mw	contracted_storage_depth_mwh	buy_sell_own	contract_start_date_year	contract_start_date_month	contract_start_date_day
Daggett_Solar_Generic	SISPRG_2_DS3SR2	Online	110	12.21	ExistingSolarExistingStorage	[redacted]	110	60	240	0	2023	8	25
Strauss_PCC1_MCE	STRAUS_1_STRWD1	Online	93.35	20.69	NotHybrid	[redacted]	0	0	0	0	2023	12	20
Golden_Fields_Solar_Generic	RSMNDS_2_RSESR1	Online	100	0	ExistingSolarExistingStorage	[redacted]	100	92	368	0	2025	8	12
Cormorant_Storage_MCE	_NEW_GENERIC_BATTERY_STORAGE	Development	250	250	NotHybrid	[redacted]	0	250	1000	0	2027	8	1
Key_Storage_LD_MCE	_NEW_GENERIC_BATTERY_STORAGE	Development	35	35	NotHybrid	[redacted]	0	35	280	0	2027	4	1
Corby_Storage_MCE	_NEW_GENERIC_BATTERY_STORAGE	Development	100	100	NotHybrid	[redacted]	0	100	400	0	2027	4	1
Humboldt House_PCC1_MCE	_NEW_GENERIC_GEOTHERMAL	Development	20	18.56	NotHybrid	[redacted]	0	0	0	0	2028	2	1
Allium_PCC1_MCE	_NEW_GENERIC_SOLAR_1AXIS	Development	110	110	NewSolarNewStorage	[redacted]	110	110	440	0	2031	5	1
[redacted]													
Roccasecca_Storage_MCE	_NEW_GENERIC_BATTERY_STORAGE	Development	126.59	126.59	NotHybrid	[redacted]	0	126.59	506.36	0	2027	3	1
Mulqueeney_Wind_PCC1_MCE	_NEW_GENERIC_WIND_CA	Development	80	19.68	NotHybrid	[redacted]	0	0	0	0	2028	10	1
Desert Harvest_MCE	DSRTHV_2_DH1SR1	Online	80	11.12	NotHybrid	[redacted]	0	0	0	0	2020	12	1
Antelope 2_MCE	BGSKYN_2_AS2SR1	Online	105	35.07	NotHybrid	[redacted]	0	0	0	0	2018	12	24
Corcoran_MCE	CORCAN_1_SOLAR2	Online	11	3.67	NotHybrid	[redacted]	0	0	0	0	2018	1	1
Goose Lake_MCE	GOOSLK_1_SOLAR1	Online	12	4.01	NotHybrid	[redacted]	0	0	0	0	2018	1	1
Great Valley_MCE	TRNQL8_2_ROJSR1	Online	100	33.4	NotHybrid	[redacted]	0	0	0	0	2018	4	14
Hay_MCE	PEABDY_2_LNDFL1	Online	1.6	1.5	NotHybrid	[redacted]	0	0	0	0	2018	1	1
Kern Tule_PCC1_1_LT_MCE	KRNCNY_6_UNIT	Online	10.6	0.79	NotHybrid	[redacted]	0	0	0	0	2021	7	5
Lincoln_MCE	PLSNTG_7_LNCLND	Online	4.98	3.1	NotHybrid	[redacted]	0	0	0	0	2018	1	1
Little Bear 1_MCE	LTBERA_1_LB1SR1	Online	40	5.6	NotHybrid	[redacted]	0	0	0	0	2020	12	10
Little Bear 3_MCE	LTBEAR_1_LB3SR3	Online	20	2.8	NotHybrid	[redacted]	0	0	0	0	2020	12	10
Little Bear 4_MCE	LTBEAR_1_LB4SR4	Online	50	6	NotHybrid	[redacted]	0	0	0	0	2020	12	10
Little Bear 5_MCE	LTBEAR_1_LB4SR5	Online	50	7	NotHybrid	[redacted]	0	0	0	0	2020	12	10
MCE Solar 1_2_0_MCE	RICHMN_1_SOLAR	Online	2	0.66	NotHybrid	[redacted]	0	0	0	0	2017	12	22
MCE Solar 1_8_5_MCE	RICHMN_1_CHVSR2	Online	8.5	2.84	NotHybrid	[redacted]	0	0	0	0	2017	12	22
Mustang_MCE	MSTANG_2_SOLAR4	Online	30	10.02	NotHybrid	[redacted]	0	0	0	0	2018	1	1
Ostrom_MCE	WHEATL_6_LNDFIL	Online	3.55	3.55	NotHybrid	[redacted]	0	0	0	0	2018	1	1
Geysers_MCE	GEYS13_7_UNIT13	Online	10	10	NotHybrid	[redacted]	0	0	0	0	2017	1	1
Voyager II_MCE	VOYAGR_2_VOYWD3	Online	42	0.45	NotHybrid	[redacted]	0	0	0	0	2018	12	29
Windpower_PCC1_1_LT_MCE_Update	GARNET_1_WINDS	Online	49.5	6.9	NotHybrid	[redacted]	0	0	0	0	2025	1	1
Redwood Landfill_MCE	NOVATO_6_LNDFL	Online	3.5	3.21	NotHybrid	[redacted]	0	0	0	0	2017	9	14
Geysers_PCC1_2_LT_MCE	_EXISTING_GENERIC_GEOTHERMAL	Online	7	6.496	NotHybrid	[redacted]	0	0	0	0	2025	6	1
Buena Vista_PCC1_1_MCE	_NEW_GENERIC_WIND_CA	Development	38	5.586	NotHybrid	[redacted]	0	0	0	0	2028	1	1
Buck_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	1	0	NotHybrid	[redacted]	0	0	0	0	2018	1	1
SR Airport_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	0	0	NotHybrid	[redacted]	0	0	0	0	2018	1	1
Cooley I_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	0	0	NotHybrid	[redacted]	0	0	0	0	2018	1	1
Cost Plus_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	0.99	0	NotHybrid	[redacted]	0	0	0	0	2016	9	1
Freethy 1_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	0.99	0	NotHybrid	[redacted]	0	0	0	0	2016	10	6
Freethy 2_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	0.99	0	NotHybrid	[redacted]	0	0	0	0	2016	10	6
Cooley_DRES Quarry 2.4_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	0	0	NotHybrid	[redacted]	0	0	0	0	2019	5	14
Oakley RV & Boat Storage_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	1	0	NotHybrid	[redacted]	0	0	0	0	2020	1	1
Soscal Ferry Solar C_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	0.99	0	NotHybrid	[redacted]	0	0	0	0	2020	12	11
Soscal Ferry Solar D_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	0.99	0	NotHybrid	[redacted]	0	0	0	0	2020	12	11
American Canyon Solar A_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	0.99	0	NotHybrid	[redacted]	0	0	0	0	2019	9	1
American Canyon Solar B_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	0.99	0	NotHybrid	[redacted]	0	0	0	0	2019	9	1
American Canyon Solar C_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	0	0	NotHybrid	[redacted]	0	0	0	0	2019	9	1
SR Airport 2_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	0	0	NotHybrid	[redacted]	0	0	0	0	2020	9	30
EO Products_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	0	0	NotHybrid	[redacted]	0	0	0	0	2018	12	10
Silveira Ranch A_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	0.99	0	NotHybrid	[redacted]	0	0	0	0	2021	3	30
Silveira Ranch B_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	0.99	0	NotHybrid	[redacted]	0	0	0	0	2021	3	30
Silveira Ranch C_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	0.99	0	NotHybrid	[redacted]	0	0	0	0	2021	3	30
Lake Herman_PCC1_1_LT_MCE	BAHIA_2_LKHSR1	Online	5	0	NotHybrid	[redacted]	0	0	0	0	2021	12	31
Byron Hot Springs_PCC1_2_LT_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	1	0	NotHybrid	[redacted]	0	0	0	0	2023	6	6
Oakley Phase 3_PCC1_1_LT_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	1	0	NotHybrid	[redacted]	0	0	0	0	2022	8	5
Byron Highway_PCC1_1_LT_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	3	0	NotHybrid	[redacted]	0	0	0	0	2022	11	30
Fallon_PCC1_1_LT_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	1	0	NotHybrid	[redacted]	0	0	0	0	2024	1	29
Napa Self Storage_PCC1_1_LT_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	1	0	NotHybrid	[redacted]	0	0	0	0	2023	7	13
CMSA_Updated_PCC1_2_LT_MCE	_EXISTING_GENERIC_BIOGAS_LANDFILLG	Online	1	0	NotHybrid	[redacted]	0	0	0	0	2022	9	27
26SB 8me_PCC1_1_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	0	0	NotHybrid	[redacted]	0	0	0	0	2027	1	1
TEA_PCC1_4_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	0	0	NotHybrid	[redacted]	0	0	0	0	2025	1	1
TEA_PCC1_13_MCE	_EXISTING_GENERIC_WIND	Online	0	0	NotHybrid	[redacted]	0	0	0	0	2026	1	1
BP_PCC1_1_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	0	0	NotHybrid	[redacted]	0	0	0	0	2025	1	1
Townsite_PCC1_1_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	0	0	NotHybrid	[redacted]	0	0	0	0	2025	1	1
SDG&E_PCC1_1_MCE	_EXISTING_GENERIC_WIND	Online	0	0	NotHybrid	[redacted]	0	0	0	0	2026	1	1
ARICA_PCC1_1_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	0	0	NotHybrid	[redacted]	0	0	0	0	2024	4	1
GPC_PCC1_1_LT_MCE	_EXISTING_GENERIC_GEOTHERMAL	Online	100	100	NotHybrid	[redacted]	0	0	0	0	2027	6	1
[redacted]													
RESI_RA_2_NS_MCE	_EXISTING_GENERIC_DR	Online	15	13.41	NotHybrid	[redacted]	0	0	0	0	2023	1	1
Midway_RA_1_NSF_MCE	SUNSET_2_UNITS	[redacted]											
Sunrise Power_RA_1_SSF_MCE	SUNRIS_2_PL1X3												
SEMPRA_RA_4_SS_MCE	TERMEX_2_PL1X3												
SENTINEL_RA_1_LF_MCE	SENTNL_2_CTG1												
Indigo_RA_1_SS_MCE	INDIGO_1_UNIT 2												
Watson_RA_1_SS_MCE	ARCOGN_2_UNITS												
Conflitti Jr_PCC1_DAC_1_LT_MCE	_EXISTING_GENERIC_SOLAR_FIXED	Online	0.24	0	NotHybrid	[redacted]	0	0	0	0	2026	1	27
Conflitti_PCC1_DAC_2_LT_MCE	PNOCHE_2_CEFSR1	Online	4.4	0	NotHybrid	[redacted]	0	0	0	0	2026	1	27
CES Electron Farm_RA_1_NS_MCE	PNOCHE_2_CEFSR1	Online	4.4	0	NotHybrid	[redacted]	0	0	0	0	2026	1	27
WAPA_BR_2_MCE	_EXISTING_GENERIC_INSTATE_LARGE_HY	Online	0	0	NotHybrid	[redacted]	0	0	0	0	2025	1	1
[redacted]													
SENA_CF_16_MCE	_EXISTING_GENERIC_INSTATE_LARGE_HY	Online	0	0	NotHybrid	[redacted]	0	0	0	0	2025	1	1
CONSTEL_ACS_1_MCE	_EXISTING_GENERIC_NW_HYDRO	Online	0	0	NotHybrid	[redacted]	0	0	0	0	2026	1	1
PG&E_Hydro_7_MCE	_EXISTING_GENERIC_INSTATE_LARGE_HY	Online	[redacted]		NotHybrid	[redacted]	[redacted]			0	2026	1	1
PG&E_Hydro_8_MCE_Allocation	_EXISTING_GENERIC_INSTATE_LARGE_HY	Online			NotHybrid	[redacted]				0	2026	1	1
PG&E_Nuke_2_MCE_Allocation	_EXISTING_GENERIC_NUCLEAR	Online			NotHybrid	[redacted]				0	2026	1	1
SENA_CF_17_MCE	_EXISTING_GENERIC_INSTATE_LARGE_HY	Online	0	0	NotHybrid	[redacted]	0	0	0	0	2027	1	1
CCSF_PCC1_Sell_1_MCE	CORCAN_1_SOLAR2	Online	0	0	NotHybrid	[redacted]	0	0	0	Sell	2022	5	15
EBCE_PCC1_Sell_2_MCE	GOOSLK_1_SOLAR1	Online	0	0	NotHybrid	[redacted]	0	0	0	Sell	2026	1	1
CAM - DR Allocation	_EXISTING_GENERIC_DR	Online	[redacted]		NotHybrid	[redacted]	[redacted]			0	2023	1	1
CAM - Peaker Allocation	_EXISTING_GENERIC_PEAKER	Online			NotHybrid	[redacted]				0	2023	1	1
CAM - Storage	_EXISTING_GENERIC_BATTERY_STORAGE	Online			NotHybrid	[redacted]				0	2023	1	1
Other CAM	_EXISTING_GENERIC_COMBINED_CYCLE	Online	356.57	356.57	NotHybrid	[redacted]	0	0	0	0	2023	1	1
LT Geothermal 1	_NEW_GENERIC_GEOTHERMAL	PlannedNew	20	20	NotHybrid	[redacted]	0	0	0	Buy	2032	1	1
LT Solar 1	_NEW_GENERIC_SOLAR_1AXIS	PlannedNew	141.8871162	141.8871162	NotHybrid	[redacted]	0	0	0	Buy	2030	1	1
LT Storage 1	_NEW_GENERIC_BATTERY_STORAGE	PlannedNew	141.8871162	141.8871162	NotHybrid	[redacted]	0	141.8871162	567.548465	Buy	2030	1	1

lse_unique_contract_id	resource	contract_status	contracted_nameplate_capacity	sep_contracted_mw_nqc	is_hybrid_paired	can_charge_from_grid	contracted_generator_mw	contracted_storage_mw	contracted_storage_depth_mwh	buy_sell_own	contract_start_date_year	contract_start_date_month	contract_start_date_day
Daggett_Solar_Generic	SISPRG_2_DS3SR2	Online	110	12.21	ExistingSolarExistingStorage	[redacted]	110	60	240	0	2023	8	25
Strauss_PCC1_MCE	STRAUS_1_STRWD1	Online	93.35	20.69	NotHybrid	[redacted]	0	0	0	0	2023	12	20
Golden_Fields_Solar_Generic	RSMNDS_2_RSESR1	Online	100	0	ExistingSolarExistingStorage	[redacted]	100	92	368	0	2025	8	12
Cormorant_Storage_MCE	_NEW_GENERIC_BATTERY_STORAGE	Development	250	250	NotHybrid	[redacted]	0	250	1000	0	2027	8	1
Key_Storage_LD_MCE	_NEW_GENERIC_BATTERY_STORAGE	Development	35	35	NotHybrid	[redacted]	0	35	280	0	2027	4	1
Corby_Storage_MCE	_NEW_GENERIC_BATTERY_STORAGE	Development	100	100	NotHybrid	[redacted]	0	100	400	0	2027	4	1
Humboldt House_PCC1_MCE	_NEW_GENERIC_GEOTHERMAL	Development	20	18.56	NotHybrid	[redacted]	0	0	0	0	2028	2	1
Allium_PCC1_MCE	_NEW_GENERIC_SOLAR_1AXIS	Development	110	110	NewSolarNewStorage	[redacted]	110	110	440	0	2031	5	1
[redacted]													
Roccasecca_Storage_MCE	_NEW_GENERIC_BATTERY_STORAGE	Development	126.59	126.59	NotHybrid	[redacted]	0	126.59	506.36	0	2027	3	1
Mulqueeney_Wind_PCC1_MCE	_NEW_GENERIC_WIND_CA	Development	80	19.68	NotHybrid	[redacted]	0	0	0	0	2028	10	1
Desert Harvest_MCE	DSRTHV_2_DH1SR1	Online	80	11.12	NotHybrid	[redacted]	0	0	0	0	2020	12	1
Antelope 2_MCE	BGSKYN_2_AS2SR1	Online	105	35.07	NotHybrid	[redacted]	0	0	0	0	2018	12	24
Corcoran_MCE	CORCAN_1_SOLAR2	Online	11	3.67	NotHybrid	[redacted]	0	0	0	0	2018	1	1
Goose Lake_MCE	GOOSLK_1_SOLAR1	Online	12	4.01	NotHybrid	[redacted]	0	0	0	0	2018	1	1
Great Valley_MCE	TRNQL8_2_ROJSR1	Online	100	33.4	NotHybrid	[redacted]	0	0	0	0	2018	4	14
Hay_MCE	PEABDY_2_LNDFL1	Online	1.6	1.5	NotHybrid	[redacted]	0	0	0	0	2018	1	1
LT Wind CA 1	_NEW_GENERIC_WIND_CA	PlannedNew	0	0	NotHybrid	[redacted]	0	0	0	Buy	2030	1	1
LT Wind Out of State 1	_NEW_GENERIC_WIND_OOS_AZNM	PlannedNew	30.83853681	30.83853681	NotHybrid	[redacted]	0	0	0	Buy	2030	1	1
LT Geothermal 2	_NEW_GENERIC_GEOTHERMAL	PlannedNew	56.39761294	56.39761294	NotHybrid	[redacted]	0	0	0	Buy	2035	1	1
LT Solar 2a	_NEW_GENERIC_SOLAR_1AXIS	PlannedNew	170.2413976	170.2413976	NotHybrid	[redacted]	0	0	0	Buy	2033	1	1
LT Storage 2a	_NEW_GENERIC_BATTERY_STORAGE	PlannedNew	170.2413976	170.2413976	NotHybrid	[redacted]	0	170.2413976	1361.931181	Buy	2033	1	1
LT Solar 2b	_NEW_GENERIC_SOLAR_1AXIS	PlannedNew	170.2413976	170.2413976	NotHybrid	[redacted]	0	0	0	Buy	2034	1	1
LT Storage 2b	_NEW_GENERIC_BATTERY_STORAGE	PlannedNew	170.2413976	170.2413976	NotHybrid	[redacted]	0	170.2413976	1361.931181	Buy	2034	1	1
LT Solar 2c	_NEW_GENERIC_SOLAR_1AXIS	PlannedNew	170.2413976	170.2413976	NotHybrid	[redacted]	0	0	0	Buy	2035	1	1
LT Storage 2c	_NEW_GENERIC_BATTERY_STORAGE	PlannedNew	170.2413976	170.2413976	NotHybrid	[redacted]	0	170.2413976	1361.931181	Buy	2035	1	1
LT Wind CA 2	_NEW_GENERIC_WIND_CA	PlannedNew	138.2631726	138.2631726	NotHybrid	[redacted]	0	0	0	Buy	2035	1	1
LT Wind Out of State 2	_NEW_GENERIC_WIND_OOS_AZNM	PlannedNew	0	0	NotHybrid	[redacted]	0	0	0	Buy	2035	1	1
LT Geothermal 3	_NEW_GENERIC_GEOTHERMAL	PlannedNew	0	0	NotHybrid	[redacted]	0	0	0	Buy	2040	1	1
LT Solar 3a	_NEW_GENERIC_SOLAR_1AXIS	PlannedNew	229.954737	229.954737	NotHybrid	[redacted]	0	0	0	Buy	2038	1	1
LT Storage 3a	_NEW_GENERIC_BATTERY_STORAGE	PlannedNew	0	0	NotHybrid	[redacted]	0	0	0	Buy	2038	1	1
LT Solar 3b	_NEW_GENERIC_SOLAR_1AXIS	PlannedNew	229.954737	229.954737	NotHybrid	[redacted]	0	0	0	Buy	2039	1	1
LT Storage 3b	_NEW_GENERIC_BATTERY_STORAGE	PlannedNew	230	230	NotHybrid	[redacted]	0	230	1840	Buy	2039	1	1
LT Solar 3c	_NEW_GENERIC_SOLAR_1AXIS	PlannedNew	229.954737	229.954737	NotHybrid	[redacted]	0	0	0	Buy	2040	1	1
LT Storage 3c	_NEW_GENERIC_BATTERY_STORAGE	PlannedNew	230	230	NotHybrid	[redacted]	0	230	1840	Buy	2040	1	1
LT Wind CA 3	_NEW_GENERIC_WIND_CA	PlannedNew	0	0	NotHybrid	[redacted]	0	0	0	Buy	2040	1	1
LT Wind Out of State 3a	_NEW_GENERIC_WIND_OOS_AZNM	PlannedNew	161.4726975	161.4726975	NotHybrid	[redacted]	0	0	0	Buy	2036	1	1
LT Wind Out of State 3b	_NEW_GENERIC_WIND_OOS_WY	PlannedNew	161.4726975	161.4726975	NotHybrid	[redacted]	0	0	0	Buy	2040	1	1
LT Geothermal 4	_NEW_GENERIC_GEOTHERMAL	PlannedNew	0	0	NotHybrid	[redacted]	0	0	0	Buy	2045	1	1
LT Solar 4a	_NEW_GENERIC_SOLAR_1AXIS	PlannedNew	0	0	NotHybrid	[redacted]	0	0	0	Buy	2043	1	1
LT Storage 4a	_NEW_GENERIC_BATTERY_STORAGE	PlannedNew	171	171	NotHybrid	[redacted]	0	171	1368	Buy	2043	1	1
LT Solar 4b	_NEW_GENERIC_SOLAR_1AXIS	PlannedNew	0	0	NotHybrid	[redacted]	0	0	0	Buy	2044	1	1
LT Storage 4b	_NEW_GENERIC_BATTERY_STORAGE	PlannedNew	0	0	NotHybrid	[redacted]	0	0	0	Buy	2044	1	1
LT Solar 4c	_NEW_GENERIC_SOLAR_1AXIS	PlannedNew	171.0986931	171.0986931	NotHybrid	[redacted]	0	0	0	Buy	2045	1	1
LT Storage 4c	_NEW_GENERIC_BATTERY_STORAGE	PlannedNew	0	0	NotHybrid	[redacted]	0	0	0	Buy	2045	1	1
LT Wind CA 4	_NEW_GENERIC_WIND_CA	PlannedNew	0	0	NotHybrid	[redacted]	0	0	0	Buy	2045	1	1
LT Wind Out of State 4	_NEW_GENERIC_WIND_OOS_AZNM	PlannedNew	191.2502251	191.2502251	NotHybrid	[redacted]	0	0	0	Buy	2045	1	1
ST Geothermal	_EXISTING_GENERIC_GEOTHERMAL	PlannedExisting	0	0	0	[redacted]	0	0	0	Buy	2028	1	1
ST Solar	_EXISTING_GENERIC_SOLAR_1AXIS	PlannedExisting	0	0	0	[redacted]	0	0	0	Buy	2028	1	1
ST Wind	_EXISTING_GENERIC_WIND	PlannedExisting	0	0	0	[redacted]	0	0	0	Buy	2028	1	1
ST Large Hydro	_EXISTING_GENERIC_INSTATE_LARGE_HY	PlannedExisting	0	0	0	[redacted]	0	0	0	Buy	2027	1	1
LT Storage 0	_NEW_GENERIC_BATTERY_STORAGE	PlannedNew	185	185	NotHybrid	[redacted]	0	185	740	Buy	2030	1	1
LT LD Storage 1	_NEW_GENERIC_BATTERY_STORAGE	PlannedNew	25	25	NotHybrid	[redacted]	0	25	200	Buy	2032	1	1
GPC_PCC1_1_LT_MCE_renewal	_EXISTING_GENERIC_GEOTHERMAL	PlannedExisting	100	100	NotHybrid	[redacted]	0	0	0	0	2037	6	1
Generic CCGT RA_2026	_EXISTING_GENERIC_COMBINED_CYCLE	PlannedExisting	469.9696238	469.9696238	0	[redacted]	0	0	0	0	2026	1	1
Generic CCGT RA_2027	_EXISTING_GENERIC_COMBINED_CYCLE	PlannedExisting	303.9616114	303.9616114	0	[redacted]	0	0	0	0	2027	1	1
Generic CCGT RA_2028	_EXISTING_GENERIC_COMBINED_CYCLE	PlannedExisting	380.2026432	380.2026432	0	[redacted]	0	0	0	0	2028	1	1
Generic CCGT RA_2029	_EXISTING_GENERIC_COMBINED_CYCLE	PlannedExisting	452.2560714	452.2560714	0	[redacted]	0	0	0	0	2029	1	1
Generic CCGT RA_2030	_EXISTING_GENERIC_COMBINED_CYCLE	PlannedExisting	449.6351132	449.6351132	0	[redacted]	0	0	0	0	2030	1	1
Generic CCGT RA_2031	_EXISTING_GENERIC_COMBINED_CYCLE	PlannedExisting	553.636549	553.636549	0	[redacted]	0	0	0	0	2031	1	1
Generic CCGT RA_2032	_EXISTING_GENERIC_COMBINED_CYCLE	PlannedExisting	582.0539046	582.0539046	0	[redacted]	0	0	0	0	2032	1	1
Generic CCGT RA_2033	_EXISTING_GENERIC_COMBINED_CYCLE	PlannedExisting	587.3636001	587.3636001	0	[redacted]	0	0	0	0	2033	1	1
Generic CCGT RA_2034	_EXISTING_GENERIC_COMBINED_CYCLE	PlannedExisting	579.3801455	579.3801455	0	[redacted]	0	0	0	0	2034	1	1
Generic CCGT RA_2035	_EXISTING_GENERIC_COMBINED_CYCLE	PlannedExisting	493.3451542	493.3451542	0	[redacted]	0	0	0	0	2035	1	1
Generic CCGT RA_2036	_EXISTING_GENERIC_COMBINED_CYCLE	PlannedExisting	450.3706931	450.3706931	0	[redacted]	0	0	0	0	2036	1	1
Generic CCGT RA_2037	_EXISTING_GENERIC_COMBINED_CYCLE	PlannedExisting	483.7523259	483.7523259	0	[redacted]	0	0	0	0	2037	1	1
Generic CCGT RA_2038	_EXISTING_GENERIC_COMBINED_CYCLE	PlannedExisting	509.1889201	509.1889201	0	[redacted]	0	0	0	0	2038	1	1
Generic CCGT RA_2039	_EXISTING_GENERIC_COMBINED_CYCLE	PlannedExisting	458.9161697	458.9161697	0	[redacted]	0	0	0	0	2039	1	1
Generic CCGT RA_2040	_EXISTING_GENERIC_COMBINED_CYCLE	PlannedExisting	356.1719829	356.1719829	0	[redacted]	0	0	0	0	2040	1	1
Generic CCGT RA_2041	_EXISTING_GENERIC_COMBINED_CYCLE	PlannedExisting	432.6496308	432.6496308	0	[redacted]	0	0	0	0	2041	1	1
Generic CCGT RA_2042	_EXISTING_GENERIC_COMBINED_CYCLE	PlannedExisting	577.1533331	577.1533331	0	[redacted]	0	0	0	0	2042	1	1
Generic CCGT RA_2043	_EXISTING_GENERIC_COMBINED_CYCLE	PlannedExisting	557.5254649	557.5254649	0	[redacted]	0	0	0	0	2043	1	1
Generic CCGT RA_2044	_EXISTING_GENERIC_COMBINED_CYCLE	PlannedExisting	599.5192435	599.5192435	0	[redacted]	0	0	0	0	2044	1	1
Generic CCGT RA_2045	_EXISTING_GENERIC_COMBINED_CYCLE	PlannedExisting	550.5213704	550.5213704	0	[redacted]	0	0	0	0	2045	1	1

lse_unique_contract_id	contract_end_date_year	contract_end_date_month	contract_end_date_day	buying_energy_capacity	is generator pumped storage	is this hybrid gen portion?	is this hybrid storage portion	is there more than one row w	interconnection limit	hybrid storage contracted_storage_mw	hybrid storage contracted_storage_depth_m	battery dur	ELCC batter	resource elcc type	hybrid/pair	elcc type (fo
Daggett_Solar_Generic	2038	8	24	EnergyCapacity	FALSE	TRUE	TRUE	FALSE	110	60	240	4	4	utility_pv	4hr_batteri	hybrid
Strauss_PCC1_MCE	2038	12	19	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	93.35	0	0	n/a	n/a	in_state_wind_sou	n/a	in_state_wi
Golden_Fields_Solar_Generic	2040	8	11	EnergyOnly	FALSE	TRUE	TRUE	FALSE	100	92	368	4	4	utility_pv	4hr_batteri	hybrid
Cormorant_Storage_MCE	2042	7	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	250	0	0	4	4	4hr_batteries	n/a	4hr_batteri
Key_Storage_LD_MCE	2042	3	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	35	0	0	8	8	8hr_batteries	n/a	8hr_batteri
Corby_Storage_MCE	2042	3	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	100	0	0	4	4	4hr_batteries	n/a	4hr_batteri
Humboldt House_PCC1_MCE	2049	1	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	20	0	0	n/a	n/a	geothermal	n/a	geothermal
Allium_PCC1_MCE	2051	4	30	EnergyCapacity	FALSE	TRUE	TRUE	FALSE	110	110	440	4	4	utility_pv	4hr_batteri	hybrid
[redacted]																
Roccasecca_Storage_MCE	2042	2	28	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	126.59	0	0	4	4	4hr_batteries	n/a	4hr_batteri
Mulqueeney_Wind_PCC1_MCE	2048	9	30	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	80	0	0	n/a	n/a	in_state_wind_sou	n/a	in_state_wi
Desert Harvest_MCE	2040	12	16	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	80	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Antelope 2_MCE	2038	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	105	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Corcoran_MCE	2040	4	30	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	11	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Goose Lake_MCE	2040	4	30	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	12	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Great Valley_MCE	2033	4	13	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	100	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Hay_MCE	2033	6	30	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	1.6	0	0	n/a	n/a	biomass_wood	n/a	biomass_wo
Kern Tule_PCC1_1_LT_MCE	2036	7	4	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	10.6	0	0	n/a	n/a	small_hydro	n/a	small_hydro
Lincoln_MCE	2033	1	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	4.98	0	0	n/a	n/a	biomass_wood	n/a	biomass_wo
Little Bear 1_MCE	2040	12	9	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	40	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Little Bear 3_MCE	2040	12	9	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	20	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Little Bear 4_MCE	2040	12	9	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	50	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Little Bear 5_MCE	2040	12	9	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	50	0	0	n/a	n/a	utility_pv	n/a	utility_pv
MCE Solar 1_2.0_MCE	2037	12	21	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	2	0	0	n/a	n/a	utility_pv	n/a	utility_pv
MCE Solar 1_8.5_MCE	2037	12	21	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	8.5	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Mustang_MCE	2032	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	30	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Ostrom_MCE	2031	8	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	3.55	0	0	n/a	n/a	biomass_wood	n/a	biomass_wo
Geysers_MCE	2026	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	10	0	0	n/a	n/a	geothermal	n/a	geothermal
Voyager II_MCE	2030	12	28	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	42	0	0	n/a	n/a	in_state_wind_sou	n/a	in_state_wi
Windpower_PCC1_1_LT_MCE_Update	2039	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	49.5	0	0	n/a	n/a	in_state_wind_sou	n/a	in_state_wi
Redwood Landfill_MCE	2037	9	13	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	3.5	0	0	n/a	n/a	biogas	n/a	biogas
Geysers_PCC1_2_LT_MCE	2045	5	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	7	0	0	n/a	n/a	geothermal	n/a	geothermal
Buena Vista_PCC1_1_MCE	2035	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	38	0	0	n/a	n/a	in_state_wind_sou	n/a	in_state_wi
Buck_MCE	2040	4	30	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	1	0	0	n/a	n/a	utility_pv	n/a	utility_pv
SR Airport_MCE	2032	10	22	EnergyOnly	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Cooley I_MCE	2037	2	28	EnergyOnly	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Cost Plus_MCE	2036	8	31	EnergyOnly	FALSE	FALSE	FALSE	FALSE	0.99	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Freethy 1_MCE	2036	10	5	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	0.99	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Freethy 2_MCE	2036	10	5	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	0.99	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Cooley_DRES Quarry 2.4_MCE	2029	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Oakley RV & Boat Storage_MCE	2038	7	30	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	1	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Soscal Ferry Solar C_MCE	2040	12	10	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	0.99	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Soscal Ferry Solar D_MCE	2040	12	10	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	0.99	0	0	n/a	n/a	utility_pv	n/a	utility_pv
American Canyon Solar A_MCE	2039	8	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	0.99	0	0	n/a	n/a	utility_pv	n/a	utility_pv
American Canyon Solar B_MCE	2039	8	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	0.99	0	0	n/a	n/a	utility_pv	n/a	utility_pv
American Canyon Solar C_MCE	2039	8	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	utility_pv	n/a	utility_pv
SR Airport 2_MCE	2040	9	29	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	utility_pv	n/a	utility_pv
EO Products_MCE	2038	12	9	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Silveira Ranch A_MCE	2041	3	29	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	0.99	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Silveira Ranch B_MCE	2041	3	29	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	0.99	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Silveira Ranch C_MCE	2041	3	29	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	0.99	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Lake Herman_PCC1_1_LT_MCE	2041	9	29	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	5	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Byron Hot Springs_PCC1_2_LT_MCE	2043	6	5	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	1	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Oakley Phase 3_PCC1_1_LT_MCE	2042	8	4	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	1	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Byron Highway_PCC1_1_LT_MCE	2042	11	29	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	3	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Fallon_PCC1_1_LT_MCE	2044	1	28	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	1	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Napa Self Storage_PCC1_1_LT_MCE	2043	6	20	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	1	0	0	n/a	n/a	utility_pv	n/a	utility_pv
CMSA_Updated_PCC1_2_LT_MCE	2032	9	26	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	1	0	0	n/a	n/a	biomass_wood	n/a	biomass_wo
26SB 8me_PCC1_1_MCE	2027	5	31	EnergyOnly	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	utility_pv	n/a	utility_pv
TEA_PCC1_4_MCE	2026	12	31	EnergyOnly	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	utility_pv	n/a	utility_pv
TEA_PCC1_13_MCE	2026	12	1	EnergyOnly	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	in_state_wind_sou	n/a	in_state_wi
BP_PCC1_1_MCE	2026	12	31	EnergyOnly	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Townsite_PCC1_1_MCE	2027	12	31	EnergyOnly	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	utility_pv	n/a	utility_pv
SDG&E_PCC1_1_MCE	2026	12	31	EnergyOnly	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	in_state_wind_sou	n/a	in_state_wi
ARICA_PCC1_1_MCE	2026	3	31	EnergyOnly	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	utility_pv	n/a	utility_pv
GPC_PCC1_1_LT_MCE	2037	5	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	100	0	0	n/a	n/a	geothermal	n/a	geothermal
[redacted]																
RESI_RA_2_NS_MCE	2032	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	15	0	0	n/a	n/a	demand_response	n/a	demand_re
Midway_RA_1_NSF_MCE	[redacted]															
Sunrise Power_RA_1_SSF_MCE																
SEMPRA_RA_4_SS_MCE																
SENTINEL_RA_1_LF_MCE																
Indigo_RA_1_SS_MCE																
Watson_RA_1_SS_MCE																
Conflitti Jr_PCC1_DAC_1_LT_MCE	2046	1	26	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	0.24	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Conflitti_PCC1_DAC_2_LT_MCE	2046	1	26	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	4.4	0	0	n/a	n/a	utility_pv	n/a	utility_pv
CES Electron Farm_RA_1_NS_MCE	2046	1	26	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	4.4	0	0	n/a	n/a	utility_pv	n/a	utility_pv
WAPA_BR_2_MCE	2054	12	31	EnergyOnly	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	hydro	n/a	hydro
[redacted]																
SENA_CF_16_MCE	2027	12	31	EnergyOnly	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	hydro	n/a	hydro
CONSTEL_ACS_1_MCE	2027	12	31	EnergyOnly	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	hydro	n/a	hydro
PG&E_Hydro_7_MCE	2026	12	31	EnergyOnly	FALSE	FALSE	FALSE	FALSE	[redacted]			n/a	n/a	hydro	n/a	hydro
PG&E_Hydro_8_MCE_Allocation	2026	12	31	EnergyOnly	FALSE	FALSE	FALSE	FALSE				n/a	n/a	hydro	n/a	hydro
PG&E_Nuke_2_MCE_Allocation	2030	12	31	EnergyOnly	FALSE	FALSE	FALSE	FALSE				n/a	n/a	nuclear	n/a	nuclear
SENA_CF_17_MCE	2027	12	31	EnergyOnly	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	hydro	n/a	hydro
CCSF_PCC1_Sell_1_MCE	2026	12	31	EnergyOnly	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	utility_pv	n/a	utility_pv
EBCE_PCC1_Sell_2_MCE	2026	12	31	EnergyOnly	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	utility_pv	n/a	utility_pv
CAM - DR Allocation	2045	12	31	CapacityOnly	FALSE	FALSE	FALSE	FALSE	[redacted]			n/a	n/a	demand_response	n/a	demand_re
CAM - Peaker Allocation	2045	12	31	CapacityOnly	FALSE	FALSE	FALSE	FALSE				n/a	n/a	gas_ct	n/a	gas_ct
CAM - Storage	2045	12	31	CapacityOnly	FALSE	FALSE	FALSE	FALSE				n/a	n/a	hr_batteries	n/a	hr_batterie
Other CAM	2045	12	31	CapacityOnly	FALSE	FALSE	FALSE	FALSE	356.57	0	0	n/a	n/a	gas_cc	n/a	gas_cc
LT Geothermal 1	2052	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	20	0	0	n/a	n/a	geothermal	n/a	geothermal
LT Solar 1	2050	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	141.8871162	0	0	n/a	n/a	utility_pv	n/a	utility_pv
LT Storage 1	2050	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	141.8871162	0	0		3	4	4hr_batteries	n/a	4hr_batteri

lse_unique_contract_id	contract_end_date_year	contract_end_date_month	contract_end_date_day	buying_energy_capacity	is generator pumped storage	is this hybrid gen portion?	is this hybrid storage portion	is there more than one row w	interconnection limit	hybrid storage contracted_storage_mw	hybrid storage contracted_storage_depth_m	battery dur	ELCC batter	resource elcc type	hybrid/pair	elcc type (fo
Daggett_Solar_Generic	2038	8	24	EnergyCapacity	FALSE	TRUE	TRUE	FALSE	110	60	240	4	4	utility_pv	4hr_batteri	hybrid
Strauss_PCC1_MCE	2038	12	19	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	93.35	0	0	n/a	n/a	in_state_wind_sou	n/a	in_state_wi
Golden_Fields_Solar_Generic	2040	8	11	EnergyOnly	FALSE	TRUE	TRUE	FALSE	100	92	368	4	4	utility_pv	4hr_batteri	hybrid
Cormorant_Storage_MCE	2042	7	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	250	0	0	4	4	4hr_batteries	n/a	4hr_batteri
Key_Storage_LD_MCE	2042	3	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	35	0	0	8	8	8hr_batteries	n/a	8hr_batteri
Corby_Storage_MCE	2042	3	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	100	0	0	4	4	4hr_batteries	n/a	4hr_batteri
Humboldt House_PCC1_MCE	2049	1	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	20	0	0	n/a	n/a	geothermal	n/a	geothermal
Allium_PCC1_MCE	2051	4	30	EnergyCapacity	FALSE	TRUE	TRUE	FALSE	110	110	440	4	4	utility_pv	4hr_batteri	hybrid
[redacted]																
Roccasecca_Storage_MCE	2042	2	28	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	126.59	0	0	4	4	4hr_batteries	n/a	4hr_batteri
Mulqueeney_Wind_PCC1_MCE	2048	9	30	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	80	0	0	n/a	n/a	in_state_wind_sou	n/a	in_state_wi
Desert Harvest_MCE	2040	12	16	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	80	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Antelope 2_MCE	2038	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	105	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Corcoran_MCE	2040	4	30	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	11	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Goose Lake_MCE	2040	4	30	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	12	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Great Valley_MCE	2033	4	13	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	100	0	0	n/a	n/a	utility_pv	n/a	utility_pv
Hay_MCE	2033	6	30	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	1.6	0	0	n/a	n/a	biomass_wood	n/a	biomass_wo
LT Wind CA 1	2050	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	in_state_wind_sou	n/a	in_state_wi
LT Wind Out of State 1	2050	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	30.83853681	0	0	n/a	n/a	out_of_state_wind	n/a	out_of_stat
LT Geothermal 2	2055	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	56.39761294	0	0	n/a	n/a	geothermal	n/a	geothermal
LT Solar 2a	2053	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	170.2413976	0	0	n/a	n/a	utility_pv	n/a	utility_pv
LT Storage 2a	2053	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	170.2413976	0	0	8	8	8hr_batteries	n/a	8hr_batteri
LT Solar 2b	2054	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	170.2413976	0	0	n/a	n/a	utility_pv	n/a	utility_pv
LT Storage 2b	2054	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	170.2413976	0	0	8	8	8hr_batteries	n/a	8hr_batteri
LT Solar 2c	2055	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	170.2413976	0	0	n/a	n/a	utility_pv	n/a	utility_pv
LT Storage 2c	2055	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	170.2413976	0	0	8	8	8hr_batteries	n/a	8hr_batteri
LT Wind CA 2	2055	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	138.2631726	0	0	n/a	n/a	in_state_wind_sou	n/a	in_state_wi
LT Wind Out of State 2	2055	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	out_of_state_wind	n/a	out_of_stat
LT Geothermal 3	2060	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	geothermal	n/a	geothermal
LT Solar 3a	2058	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	229.954737	0	0	n/a	n/a	utility_pv	n/a	utility_pv
LT Storage 3a	2058	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	hr_batteries	n/a	hr_batteries
LT Solar 3b	2059	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	229.954737	0	0	n/a	n/a	utility_pv	n/a	utility_pv
LT Storage 3b	2059	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	230	0	0	8	8	8hr_batteries	n/a	8hr_batteri
LT Solar 3c	2060	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	229.954737	0	0	n/a	n/a	utility_pv	n/a	utility_pv
LT Storage 3c	2060	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	230	0	0	8	8	8hr_batteries	n/a	8hr_batteri
LT Wind CA 3	2060	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	in_state_wind_sou	n/a	in_state_wi
LT Wind Out of State 3a	2056	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	161.4726975	0	0	n/a	n/a	out_of_state_wind	n/a	out_of_stat
LT Wind Out of State 3b	2060	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	161.4726975	0	0	n/a	n/a	out_of_state_wind	n/a	out_of_stat
LT Geothermal 4	2060	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	geothermal	n/a	geothermal
LT Solar 4a	2058	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	utility_pv	n/a	utility_pv
LT Storage 4a	2058	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	171	0	0	8	8	8hr_batteries	n/a	8hr_batteri
LT Solar 4b	2059	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	utility_pv	n/a	utility_pv
LT Storage 4b	2059	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	hr_batteries	n/a	hr_batteries
LT Solar 4c	2060	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	171.0986931	0	0	n/a	n/a	utility_pv	n/a	utility_pv
LT Storage 4c	2060	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	hr_batteries	n/a	hr_batteries
LT Wind CA 4	2060	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	in_state_wind_sou	n/a	in_state_wi
LT Wind Out of State 4	2060	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	191.2502251	0	0	n/a	n/a	out_of_state_wind	n/a	out_of_stat
ST Geothermal	2045	12	31	EnergyOnly	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	geothermal	n/a	geothermal
ST Solar	2045	12	31	EnergyOnly	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	utility_pv	n/a	utility_pv
ST Wind	2045	12	31	EnergyOnly	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	in_state_wind_sou	n/a	in_state_wi
ST Large Hydro	2045	12	31	EnergyOnly	FALSE	FALSE	FALSE	FALSE	0	0	0	n/a	n/a	hydro	n/a	hydro
LT Storage 0	2045	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	185	0	0	4	4	4hr_batteries	n/a	4hr_batteri
LT LD Storage 1	2052	12	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	25	0	0	8	8	8hr_batteries	n/a	8hr_batteri
GPC_PCC1_1_LT_MCE_renewal	2047	5	31	EnergyCapacity	FALSE	FALSE	FALSE	FALSE	100	0	0	n/a	n/a	geothermal	n/a	geothermal
Generic CCGT RA_2026	2026	12	31	CapacityOnly	FALSE	FALSE	FALSE	FALSE	469.9696238	0	0	n/a	n/a	gas_cc	n/a	gas_cc
Generic CCGT RA_2027	2027	12	31	CapacityOnly	FALSE	FALSE	FALSE	FALSE	303.9616114	0	0	n/a	n/a	gas_cc	n/a	gas_cc
Generic CCGT RA_2028	2028	12	31	CapacityOnly	FALSE	FALSE	FALSE	FALSE	380.2026432	0	0	n/a	n/a	gas_cc	n/a	gas_cc
Generic CCGT RA_2029	2029	12	31	CapacityOnly	FALSE	FALSE	FALSE	FALSE	452.2560714	0	0	n/a	n/a	gas_cc	n/a	gas_cc
Generic CCGT RA_2030	2030	12	31	CapacityOnly	FALSE	FALSE	FALSE	FALSE	449.6351132	0	0	n/a	n/a	gas_cc	n/a	gas_cc
Generic CCGT RA_2031	2031	12	31	CapacityOnly	FALSE	FALSE	FALSE	FALSE	553.636549	0	0	n/a	n/a	gas_cc	n/a	gas_cc
Generic CCGT RA_2032	2032	12	31	CapacityOnly	FALSE	FALSE	FALSE	FALSE	582.0539046	0	0	n/a	n/a	gas_cc	n/a	gas_cc
Generic CCGT RA_2033	2033	12	31	CapacityOnly	FALSE	FALSE	FALSE	FALSE	587.3636001	0	0	n/a	n/a	gas_cc	n/a	gas_cc
Generic CCGT RA_2034	2034	12	31	CapacityOnly	FALSE	FALSE	FALSE	FALSE	579.3801455	0	0	n/a	n/a	gas_cc	n/a	gas_cc
Generic CCGT RA_2035	2035	12	31	CapacityOnly	FALSE	FALSE	FALSE	FALSE	493.3451542	0	0	n/a	n/a	gas_cc	n/a	gas_cc
Generic CCGT RA_2036	2036	12	31	CapacityOnly	FALSE	FALSE	FALSE	FALSE	450.3706931	0	0	n/a	n/a	gas_cc	n/a	gas_cc
Generic CCGT RA_2037	2037	12	31	CapacityOnly	FALSE	FALSE	FALSE	FALSE	483.7523259	0	0	n/a	n/a	gas_cc	n/a	gas_cc
Generic CCGT RA_2038	2038	12	31	CapacityOnly	FALSE	FALSE	FALSE	FALSE	509.1889201	0	0	n/a	n/a	gas_cc	n/a	gas_cc
Generic CCGT RA_2039	2039	12	31	CapacityOnly	FALSE	FALSE	FALSE	FALSE	458.9161697	0	0	n/a	n/a	gas_cc	n/a	gas_cc
Generic CCGT RA_2040	2040	12	31	CapacityOnly	FALSE	FALSE	FALSE	FALSE	356.1719829	0	0	n/a	n/a	gas_cc	n/a	gas_cc
Generic CCGT RA_2041	2041	12	31	CapacityOnly	FALSE	FALSE	FALSE	FALSE	432.6496308	0	0	n/a	n/a	gas_cc	n/a	gas_cc
Generic CCGT RA_2042	2042	12	31	CapacityOnly	FALSE	FALSE	FALSE	FALSE	577.1533331	0	0	n/a	n/a	gas_cc	n/a	gas_cc
Generic CCGT RA_2043	2043	12	31	CapacityOnly	FALSE	FALSE	FALSE	FALSE	557.5254649	0	0	n/a	n/a	gas_cc	n/a	gas_cc
Generic CCGT RA_2044	2044	12	31	CapacityOnly	FALSE	FALSE	FALSE	FALSE	599.5192435	0	0	n/a	n/a	gas_cc	n/a	gas_cc
Generic CCGT RA_2045	2045	12	31	CapacityOnly	FALSE	FALSE	FALSE	FALSE	550.5213704	0	0	n/a	n/a	gas_cc	n/a	gas_cc

lse_unique_contract_id	start year	end year	hybrid stora	short durat	resource ca	multiplier	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
Daggett_Solar_Generic	2024	2037	100%	100%	110	1	64.275	60.4785	56.682	40.754	24.826	24.23	23.634	23.038	22.442	21.846	22.4	22.954	0	0	0	0	0	0	0	0
Strauss_PCC1_MCE	2024	2038	100%	100%	93.35	1	18.88471	16.6023	14.31989	14.3479	14.3759	15.11337	15.85083	16.5883	17.32576	18.06323	16.46321	14.86319	13.26317	0	0	0	0	0	0	0	0
Golden_Fields_Solar_Generic	2026	2039	100%	100%	100	1	92.8076	86.2756	79.7436	55.3138	30.884	29.9152	28.9464	27.9776	27.0088	26.04	26.5736	27.1072	27.6408	28.1744	0	0	0	0	0	0	0
Cormorant_Storage_MCE	2028	2041	100%	100%	250	1	0	0	188.325	121.9125	55.5	52.65	49.8	46.95	44.1	41.25	41.45	41.65	41.85	42.05	42.25	41.9	0	0	0	0	0
Key_Storage_LD_MCE	2027	2041	100%	100%	35	1	0	32.151	30.3695	21.99225	13.615	12.432	11.249	10.066	8.883	7.7	8.246	8.792	9.338	9.884	10.43	10.605	0	0	0	0	0
Corby_Storage_MCE	2027	2041	100%	100%	100	1	0	83.555	75.33	48.765	22.2	21.06	19.92	18.78	17.64	16.5	16.58	16.66	16.74	16.82	16.9	16.76	0	0	0	0	0
Humboldt House_PCC1_MCE	2028	2048	100%	100%	20	1	0	0	18.332	17.876	17.42	17.4192	17.4184	17.4176	17.4168	17.416	17.468	17.52	17.572	17.624	17.676	17.7316	17.7872	17.8428	17.8984	17.954
Allium_PCC1_MCE	2031	2050	100%	100%	110	1	0	0	0	0	0	34.76	33.594	32.428	31.262	30.096	30.69	31.284	31.878	32.472	33.066	32.4104	31.7548	31.0992	30.4436	29.788
[redacted]																										
Roccasecca_Storage_MCE	2027	2041	100%	100%	126.59	1	0	105.7723	95.36025	61.73161	28.10298	26.65985	25.21673	23.7736	22.33048	20.88735	20.98862	21.08989	21.19117	21.29244	21.39371	21.21648	0	0	0	0
Mulqueeney_Wind_PCC1_MCE	2029	2047	100%	100%	80	1	0	0	0	12.296	12.32	12.952	13.584	14.216	14.848	15.48	14.1088	12.7376	11.3664	9.9952	8.624	8.7808	8.9376	9.0944	9.2512	9.408
Desert Harvest_MCE	2021	2040	100%	100%	80	1	6.696	7.524	8.352	8.36	8.368	8.432	8.496	8.56	8.624	8.688	9.056	9.424	9.792	10.16	10.528	0	0	0	0	0
Antelope 2_MCE	2019	2038	100%	100%	105	1	8.7885	9.87525	10.962	10.9725	10.983	11.067	11.151	11.235	11.319	11.403	11.886	12.369	12.852	0	0	0	0	0	0	0	0
Corcoran_MCE	2018	2039	100%	100%	11	1	0.9207	1.03455	1.1484	1.1495	1.1506	1.1594	1.1682	1.177	1.1858	1.1946	1.2452	1.2958	1.3464	1.397	0	0	0	0	0	0	0
Goose Lake_MCE	2018	2039	100%	100%	12	1	1.0044	1.1286	1.2528	1.254	1.2552	1.2648	1.2744	1.284	1.2936	1.3032	1.3584	1.4136	1.4688	1.524	0	0	0	0	0	0	0
Great Valley_MCE	2018	2032	100%	100%	100	1	8.37	9.405	10.44	10.45	10.46	10.54	10.62	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hay_MCE	2018	2032	100%	100%	1.5	1	1.49294	1.492087	1.491224	1.485925	1.480352	1.479107	1.477879	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Tule_PCC1_1_LT_MCE	2022	2035	100%	100%	0.79	1	0.330597	0.308399	0.286202	0.260946	0.23569	0.221112	0.206533	0.191954	0.177375	0.162796	0	0	0	0	0	0	0	0	0	0	0
Lincoln_MCE	2018	2032	100%	100%	3.1	1	3.085409	3.083646	3.081862	3.070911	3.059394	3.056822	3.054284	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Little Bear 1_MCE	2021	2040	100%	100%	40	1	3.348	3.762	4.176	4.18	4.184	4.216	4.248	4.28	4.312	4.344	4.528	4.712	4.896	5.08	5.264	0	0	0	0	0	0
Little Bear 3_MCE	2021	2040	100%	100%	20	1	1.674	1.881	2.088	2.09	2.092	2.108	2.124	2.14	2.156	2.172	2.264	2.356	2.448	2.54	2.632	0	0	0	0	0	0
Little Bear 4_MCE	2021	2040	100%	100%	50	1	4.185	4.7025	5.22	5.225	5.23	5.27	5.31	5.35	5.39	5.43	5.66	5.89	6.12	6.35	6.58	0	0	0	0	0	0
Little Bear 5_MCE	2021	2040	100%	100%	50	1	4.185	4.7025	5.22	5.225	5.23	5.27	5.31	5.35	5.39	5.43	5.66	5.89	6.12	6.35	6.58	0	0	0	0	0	0
MCE Solar 1_2.0_MCE	2018	2037	100%	100%	2	1	0.1674	0.1881	0.2088	0.209	0.2092	0.2108	0.2124	0.214	0.2156	0.2172	0.2264	0.2356	0	0	0	0	0	0	0	0	0
MCE Solar 1_8.5_MCE	2018	2037	100%	100%	8.5	1	0.71145	0.799425	0.8874	0.88825	0.8891	0.8959	0.9027	0.9095	0.9163	0.9231	0.9622	1.0013	0	0	0	0	0	0	0	0	0
Mustang_MCE	2018	2032	100%	100%	30	1	2.511	2.8215	3.132	3.135	3.138	3.162	3.186	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ostrom_MCE	2018	2030	100%	100%	3.55	1	3.533291	3.531272	3.529229	3.516689	3.5035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Geysers_MCE	2017	2026	100%	100%	10	1	9.107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Voyager II_MCE	2019	2030	100%	100%	42	1	8.4966	7.4697	6.4428	6.4554	6.468	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Windpower_PCC1_1_LT_MCE_Update	2025	2039	100%	100%	49.5	1	10.01385	8.803575	7.5933	7.60815	7.623	8.01405	8.4051	8.79615	9.1872	9.57825	8.72982	7.88139	7.03296	6.18453	0	0	0	0	0	0	0
Redwood Landfill_MCE	2018	2036	100%	100%	3.21	1	3.185276	3.185088	3.184907	3.183972	3.183149	3.183322	3.183494	3.183666	3.183837	3.184009	3.185907	0	0	0	0	0	0	0	0	0	0
Geysers_PCC1_2_LT_MCE	2025	2044	100%	100%	6.496	1	5.915907	5.93507	5.954234	5.806125	5.658016	5.657756	5.657496	5.657236	5.656977	5.656717	5.673606	5.690496	5.707386	5.724275	5.741165	5.759224	5.777283	5.795341	5.8134	0
Buena Vista_PCC1_1_MCE	2028	2035	100%	100%	38	1	0	0	5.8292	5.8406	5.852	6.1522	6.4524	6.7526	7.0528	7.353	0	0	0	0	0	0	0	0	0	0	0
Buck_MCE	2018	2039	100%	100%	1	1	0.0837	0.09405	0.1044	0.1045	0.1046	0.1054	0.1062	0.107	0.1078	0.1086	0.1132	0.1178	0.1224	0.127	0	0	0	0	0	0	0
SR Airport_MCE	2018	2032	100%	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cooley I_MCE	2018	2036	100%	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost Plus_MCE	2017	2035	100%	100%	0.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Freethy 1_MCE	2017	2036	100%	100%	0.99	1	0.082863	0.09311	0.103356	0.103455	0.103554	0.104346	0.105138	0.10593	0.106722	0.107514	0.112068	0	0	0	0	0	0	0	0	0	0
Freethy 2_MCE	2017	2036	100%	100%	0.99	1	0.082863	0.09311	0.103356	0.103455	0.103554	0.104346	0.105138	0.10593	0.106722	0.107514	0.112068	0	0	0	0	0	0	0	0	0	0
Cooley_DRES Quarry 2.4_MCE	2019	2029	100%	100%	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oakley RV & Boat Storage_MCE	2020	2037	100%	100%	1	1	0.0837	0.09405	0.1044	0.1045	0.1046	0.1054	0.1062	0.107	0.1078	0.1086	0.1132	0.1178	0	0	0	0	0	0	0	0	0
Soscal Ferry Solar C_MCE	2021	2040	100%	100%	0.99	1	0.082863	0.09311	0.103356	0.103455	0.103554	0.104346	0.105138	0.10593	0.106722	0.107514	0.112068	0.116622	0.121176	0.12573	0.130284	0	0	0	0	0	0
Soscal Ferry Solar D_MCE	2021	2040	100%	100%	0.99	1	0.082863	0.09311	0.103356	0.103455	0.103554	0.104346	0.105138	0.10593	0.106722	0.107514	0.112068	0.116622	0.121176	0.12573	0.130284	0	0	0	0	0	0
American Canyon Solar A_MCE	2020	2038	100%	100%	0.99	1	0.082863	0.09311	0.103356	0.103455	0.103554	0.104346	0.105138	0.10593	0.106722	0.107514	0.112068	0.116622	0.121176	0	0	0	0	0	0	0	0
American Canyon Solar B_MCE	2020	2038	100%	100%	0.99	1	0.082863	0.09311	0.103356	0.103455	0.103554	0.104346	0.105138	0.10593	0.106722	0.107514	0.112068	0.116622	0.121176	0	0	0	0	0	0	0	0
American Canyon Solar C_MCE	2020	2038	100%	100%	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SR Airport 2_MCE	2021	2039	100%	100%	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EO Products_MCE	2019	2038	100%	100%	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Silveira Ranch A_MCE	2021	2040	100%	100%	0.99	1	0.082863	0.09311	0.103356	0.103455	0.103554	0.104346	0.105138	0.10593	0.106722	0.107514	0.112068	0.116622	0.121176	0.12573	0.130284	0	0	0	0	0	0
Silveira Ranch B_MCE	2021	2040	100%	100%	0.99	1	0.082863	0.09311	0.103356	0.103455	0.103554	0.104346	0.105138	0.10593	0.106722	0.107514	0.112068	0.116622	0.121176	0.12573	0.130284	0	0	0	0	0	0
Silveira Ranch C_MCE	2021	2040	100%	100%	0.99	1	0.082863	0.09311	0.103356	0.103455	0.103554	0.104346	0.105138	0.10593	0.106722	0.107514	0.112068	0.116622	0.121176	0.12573	0.130284	0	0	0	0	0	0
Lake Herman_PCC1_1_LT_MCE	2022	2040	100%	100%	5	1	0.4185	0.47025	0.522	0.5225	0.523	0.527	0.531	0.535	0.539	0.543	0.566	0.589	0.612	0.635	0.658	0	0	0	0	0	0
Byron Hot Springs_PCC1_2_LT_MCE	2024	2042	100%	100%	1	1	0.0837	0.09405	0.1044	0.1045	0.1046	0.1054	0.1062	0.107	0.1078	0.1086	0.1132	0.1178	0.1224	0.127	0.1316	0.12704	0.12248	0	0	0	0
Oakley Phase 3_PCC1_1_LT_MCE	2023	2041	100%	100%	1	1	0.0837	0.09405	0.1044	0.1045	0.1046	0.1054	0.1062	0.107	0.1078	0.1086	0.1132	0.1178	0.1224	0.127	0.1316	0.12704	0	0	0	0	0
Byron Highway_PCC1_1_LT_MCE	2023	2042	100%	100%	3	1	0.2511	0.28215	0.3132	0.3135	0.3138	0.3162	0.3186	0.321	0.3234	0.3258	0.3396	0.3534	0.3672	0.381	0.3948	0.38112	0.36744	0	0	0	0
Fallon_PCC1_1_LT_MCE	2024	2043	100%	100%	1	1	0.0837	0.09405	0.1044	0.1045	0.1046	0.1054	0.1062	0.107	0.1078	0.1086	0.1132	0.1178	0.1224	0.127	0.1316	0.12704	0.12248	0.11792	0	0	0
Napa Self Storage_PCC1_1_LT_MCE	2024	2042	100%	100%	1	1	0.0837	0.09405	0.1044	0.1045	0.1046	0.1054	0.1062	0.107	0.1078	0.1086	0.1132	0.1178	0.1224	0.127	0.1316	0.12704	0.12248	0	0	0	0
CMSA_Updated_PCC1_2_LT_MCE	2023	2031	100%	100%	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26SB 8me_PCC1_1_MCE	2027	2026	100%	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TEA_PCC1_4_MCE	2025	2026	100%	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TEA_PCC1_13_MCE	2026	2026	100%	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BP_PCC1_1_MCE	2025	2026	100%	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Townsite_PCC1_1_MCE	2025	2027	100%	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SDG&E_PCC1_1_MCE	2026	2026	100%	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARICA_PCC1_1_MCE	2024	2025	100%	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GPC_PCC1_1_LT_MCE	2027	2036	100%	100%	100	1	0	91.365	91.66	89.38	87.1	87.096	87.092	87.088	87.084	87.08	87.34	0	0	0	0	0	0	0	0	0
[redacted]																										
RESI_RA_2_NS_MCE	2023	2032	100%	100%	15	1	14.05825	12.72031	11.38237	8.866331	6.350296	5.437397	4.524498	0	0	0	0	0	0	0	0	0	0	0	0	0
Midway_RA_1_NSF_MCE	[redacted]																									
Sunrise Power_RA_1_SSF_MCE																										
SEMPRA_RA_4_SS_MCE																										
SENTINEL_RA_1_LF_MCE																										
Indigo_RA_1_SS_MCE																										
Watson_RA_1_SS_MCE																										
Conflitti Jr_PCC1_DAC_1_LT_MCE	2026	2045	100%	100%	0.24	1	0.020088	0.022572	0.025056	0.02508	0.025104	0.025296	0.025488	0.02568	0.025872	0.026064	0.027168	0.028272	0.029376	0.03048	0.031584	0.03049	0.029395	0.028301	0.027206	0.026112
Conflitti_PCC1_DAC_2_LT_MCE	2026	2045	100%	100%	4.4	1	0.36828	0.41382	0.45936	0.4598	0.46024	0.46376	0.46728	0.4708	0.47432	0.47784	0.49808	0.51832	0.53856	0.5588	0.57904	0.558976	0.538912	0.518848	0.498784	0.47872
CES Electron Farm_RA_1_NS_MCE	2026	2045	100%	100%	4.4	1	0.36828	0.41382	0.45936	0.4598	0.46024	0.46376	0.46728	0.4708	0.47432	0.47784	0.49808	0.51832	0.53856	0.5588	0.57904	0.558976	0.538912	0.518848	0.498784	0.47872
WAPA_BR_2_MCE	2025	2054	100%	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
[redacted]																										
SENA_CF_16_MCE	2025	2027	100%	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONSTEL_ACS_1_MCE	2026	2027	100%	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PG&E_Hydro_7_MCE	2026	2026	100%	100%	0	0	[redacted]																			
PG&E_Hydro_8_MCE_Allocation	2026	2026	100%	100%	0	0																				
PG&E_Nuke_2_MCE_Allocation	2026	2030	100%	100%	0	0																				
SENA_CF_17_MCE	2027	2027	100%	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CCSF_PCC1_Sell_1_MCE	2022	2026	100%	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EBCE_PCC1_Sell_2_MCE	2026	2026	100%	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAM - DR Allocation	2023	2045	100%	100%	0	1	[redacted]																			
CAM - Peaker Allocation	2023	2045	100%	100%	0	1																				
CAM - Storage	2023	2045	100%	0%	13.19	1																				
Other CAM	2023	2045	100%	100%	356.57	1	304.9236	303.2172	301.5044	296.6241	291.8116	292.6451	293.4726	294.2941	295.1095	295.919	299.8566	303.6748	307.3813	310.9832	314.4869	311.6208	308.688	305.6865	302.6146	299.4705
LT Geothermal 1	2032	2052	100%	100%	20	1	0	0	0	0	0	0	17.4184	17.4176	17.4168	17.416	17.468	17.52	17.572	17.624	17.676	17.7316	17.7872	17.8428	17.8984	17.954
LT Solar 1	2030	2050	100%	100%	141.8871	1	0	0	0	0	0	14.84139	14.9549	15.06841	15.18192	15.29543	15.40894	16.06162	16.7143	17.36698	18.01966	18.67234	18.02534	17.37833	16.73133	16.08432	15.43732
LT Storage 1	2030	2050	100%	75%	141.8871	1	0	0	0	0	23.6242	22.41107	21.19794	19.9848	18.77167	17.55853	17.64366	17.7288	17.81393	17.89906	17.98419	17.83521	17.68623	17.53725	17.38827	17.23928

lse_unique_contract_id	start year	end year	hybrid storage	short duration	resource cap	multiplier	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
Daggett_Solar_Generic	2024	2037	100%	100%	110	1	64.275	60.4785	56.682	40.754	24.826	24.23	23.634	23.038	22.442	21.846	22.4	22.954	0	0	0	0	0	0	0	0
Strauss_PCC1_MCE	2024	2038	100%	100%	93.35	1	18.88471	16.6023	14.31989	14.3479	14.3759	15.11337	15.85083	16.5883	17.32576	18.06323	16.46321	14.86319	13.26317	0	0	0	0	0	0	0
Golden_Fields_Solar_Generic	2026	2039	100%	100%	100	1	92.8076	86.2756	79.7436	55.3138	30.884	29.9152	28.9464	27.9776	27.0088	26.04	26.5736	27.1072	27.6408	28.1744	0	0	0	0	0	0
Cormorant_Storage_MCE	2028	2041	100%	100%	250	1	0	0	188.325	121.9125	55.5	52.65	49.8	46.95	44.1	41.25	41.45	41.65	41.85	42.05	42.25	41.9	0	0	0	0
Key_Storage_LD_MCE	2027	2041	100%	100%	35	1	0	32.151	30.3695	21.99225	13.615	12.432	11.249	10.066	8.883	7.7	8.246	8.792	9.338	9.884	10.43	10.605	0	0	0	0
Corby_Storage_MCE	2027	2041	100%	100%	100	1	0	83.555	75.33	48.765	22.2	21.06	19.92	18.78	17.64	16.5	16.58	16.66	16.74	16.82	16.9	16.76	0	0	0	0
Humboldt House_PCC1_MCE	2028	2048	100%	100%	20	1	0	0	18.332	17.876	17.42	17.4192	17.4184	17.4176	17.4168	17.416	17.468	17.52	17.572	17.624	17.676	17.7316	17.7872	17.8428	17.8984	17.954
Allium_PCC1_MCE	2031	2050	100%	100%	110	1	0	0	0	0	0	34.76	33.594	32.428	31.262	30.096	30.69	31.284	31.878	32.472	33.066	32.4104	31.7548	31.0992	30.4436	29.788
[redacted]																										
Roccasecca_Storage_MCE	2027	2041	100%	100%	126.59	1	0	105.7723	95.36025	61.73161	28.10298	26.65985	25.21673	23.7736	22.33048	20.88735	20.98862	21.08989	21.19117	21.29244	21.39371	21.21648	0	0	0	0
Mulqueeney_Wind_PCC1_MCE	2029	2047	100%	100%	80	1	0	0	0	12.296	12.32	12.952	13.584	14.216	14.848	15.48	14.1088	12.7376	11.3664	9.9952	8.624	8.7808	8.9376	9.0944	9.2512	9.408
Desert Harvest_MCE	2021	2040	100%	100%	80	1	6.696	7.524	8.352	8.36	8.368	8.432	8.496	8.56	8.624	8.688	9.056	9.424	9.792	10.16	10.528	0	0	0	0	0
Antelope 2_MCE	2019	2038	100%	100%	105	1	8.7885	9.87525	10.962	10.9725	10.983	11.067	11.151	11.235	11.319	11.403	11.886	12.369	12.852	0	0	0	0	0	0	0
Corcoran_MCE	2018	2039	100%	100%	11	1	0.9207	1.03455	1.1484	1.1495	1.1506	1.1594	1.1682	1.177	1.1858	1.1946	1.2452	1.2958	1.3464	1.397	0	0	0	0	0	0
Goose Lake_MCE	2018	2039	100%	100%	12	1	1.0044	1.1286	1.2528	1.254	1.2552	1.2648	1.2744	1.284	1.2936	1.3032	1.3584	1.4136	1.4688	1.524	0	0	0	0	0	0
Great Valley_MCE	2018	2032	100%	100%	100	1	8.37	9.405	10.44	10.45	10.46	10.54	10.62	0	0	0	0	0	0	0	0	0	0	0	0	0
Hay_MCE	2018	2032	100%	100%	1.5	1	1.49294	1.492087	1.491224	1.485925	1.480352	1.479107	1.477879	0	0	0	0	0	0	0	0	0	0	0	0	0
LT Wind CA 1	2030	2050	100%	100%	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LT Wind Out of State 1	2030	2050	100%	100%	30.83854	1	0	0	0	0	11.10187	11.46638	11.8309	12.19541	12.55992	12.92443	12.15162	11.3788	10.60599	9.833176	9.060362	9.336059	9.611755	9.887452	10.16315	10.43884
LT Geothermal 2	2035	2055	100%	100%	56.39761	1	0	0	0	0	0	0	0	0	0	49.11104	49.25768	49.40431	49.55094	49.69758	49.84421	50.001	50.15778	50.31457	50.47135	50.62814
LT Solar 2a	2033	2053	100%	100%	170.2414	1	0	0	0	0	0	0	0	18.21583	18.35202	18.48822	19.27133	20.05444	20.83755	21.62066	22.40377	21.62747	20.85117	20.07487	19.29856	18.52226
LT Storage 2a	2033	2053	100%	100%	170.2414	1	0	0	0	0	0	0	0	48.96143	43.20727	37.45311	40.10887	42.76464	45.4204	48.07617	50.73194	51.58314	52.43435	53.28556	54.13676	54.98797
LT Solar 2b	2034	2054	100%	100%	170.2414	1	0	0	0	0	0	0	0	0	18.35202	18.48822	19.27133	20.05444	20.83755	21.62066	22.40377	21.62747	20.85117	20.07487	19.29856	18.52226
LT Storage 2b	2034	2054	100%	100%	170.2414	1	0	0	0	0	0	0	0	0	43.20727	37.45311	40.10887	42.76464	45.4204	48.07617	50.73194	51.58314	52.43435	53.28556	54.13676	54.98797
LT Solar 2c	2035	2055	100%	100%	170.2414	1	0	0	0	0	0	0	0	0	0	18.48822	19.27133	20.05444	20.83755	21.62066	22.40377	21.62747	20.85117	20.07487	19.29856	18.52226
LT Storage 2c	2035	2055	100%	100%	170.2414	1	0	0	0	0	0	0	0	0	0	37.45311	40.10887	42.76464	45.4204	48.07617	50.73194	51.58314	52.43435	53.28556	54.13676	54.98797
LT Wind CA 2	2035	2055	100%	100%	138.2632	1	0	0	0	0	0	0	0	0	0	26.75392	24.38409	22.01426	19.64443	17.2746	14.90477	15.17577	15.44676	15.71776	15.98875	16.25975
LT Wind Out of State 2	2035	2055	100%	100%	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LT Geothermal 3	2040	2060	100%	100%	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LT Solar 3a	2038	2058	100%	100%	229.9547	1	0	0	0	0	0	0	0	0	0	0	0	0	28.14646	29.20425	30.26204	29.21345	28.16486	27.11626	26.06767	25.01908
LT Storage 3a	2038	2058	100%	100%	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LT Solar 3b	2039	2059	100%	100%	229.9547	1	0	0	0	0	0	0	0	0	0	0	0	0	0	29.20425	30.26204	29.21345	28.16486	27.11626	26.06767	25.01908
LT Storage 3b	2039	2059	100%	100%	230	1	0	0	0	0	0	0	0	0	0	0	0	0	0	64.952	68.54	69.69	70.84	71.99	73.14	74.29
LT Solar 3c	2040	2060	100%	100%	229.9547	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30.26204	29.21345	28.16486	27.11626	26.06767	25.01908
LT Storage 3c	2040	2060	100%	100%	230	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68.54	69.69	70.84	71.99	73.14	74.29
LT Wind CA 3	2040	2060	100%	100%	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LT Wind Out of State 3a	2036	2056	100%	100%	161.4727	1	0	0	0	0	0	0	0	0	0	0	63.6267	59.5802	55.53369	51.48718	47.44068	48.88424	50.32781	51.77138	53.21494	54.65851
LT Wind Out of State 3b	2040	2060	100%	100%	161.4727	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49.15229	51.51948	53.88667	56.25386	58.62105	60.98824
LT Geothermal 4	2045	2060	100%	100%	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LT Solar 4a	2043	2058	100%	100%	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LT Storage 4a	2043	2058	100%	100%	171	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53.523	54.378	55.233
LT Solar 4b	2044	2059	100%	100%	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LT Storage 4b	2044	2059	100%	100%	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LT Solar 4c	2045	2060	100%	100%	171.0987	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18.61554
LT Storage 4c	2045	2060	100%	100%	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LT Wind CA 4	2045	2060	100%	100%	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LT Wind Out of State 4	2045	2060	100%	100%	191.2502	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64.7382
ST Geothermal	2028	2045	100%	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ST Solar	2028	2045	100%	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ST Wind	2028	2045	100%	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ST Large Hydro	2027	2045	100%	100%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LT Storage 0	2030	2045	100%	100%	185	1	0	0	0	0	41.07	38.961	36.852	34.743	32.634	30.525	30.673	30.821	30.969	31.117	31.265	31.006	30.747	30.488	30.229	29.97
LT LD Storage 1	2032	2052	100%	100%	25	1	0	0	0	0	0	0	8.035	7.19	6.345	5.5	5.89	6.28	6.67	7.06	7.45	7.575	7.7	7.825	7.95	8.075
GPC_PCC1_1_LT_MCE_renewal	2037	2046	100%	100%	100	1	0	0	0	0	0	0	0	0	0	0	0	87.6	87.86	88.12	88.38	88.658	88.936	89.214	89.492	89.77
Generic CCGT RA_2026	2026	2026	100%	100%	469.9696	1	401.8982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Generic CCGT RA_2027	2027	2027	100%	100%	303.9616	1	0	258.4805	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Generic CCGT RA_2028	2028	2028	100%	100%	380.2026	1	0	0	321.4874	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Generic CCGT RA_2029	2029	2029	100%	100%	452.2561	1	0	0	0	376.2236	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Generic CCGT RA_2030	2030	2030	100%	100%	449.6351	1	0	0	0	0	367.9748	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Generic CCGT RA_2031	2031	2031	100%	100%	553.6365	1	0	0	0	0	0	454.3821	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Generic CCGT RA_2032	2032	2032	100%	100%	582.0539	1	0	0	0	0	0	0	479.0557	0	0	0	0	0	0	0	0	0	0	0	0	0
Generic CCGT RA_2033	2033	2033	100%	100%	587.3636	1	0	0	0	0	0	0	0	484.7789	0	0	0	0	0	0	0	0	0	0	0	0
Generic CCGT RA_2034	2034	2034	100%	100%	579.3801	1	0	0	0	0	0	0	0	0	479.5148	0	0	0	0	0	0	0	0	0	0	0
Generic CCGT RA_2035	2035	2035	100%	100%	493.3452	1	0	0	0	0	0	0	0	0	0	409.4293	0	0	0	0	0	0	0	0	0	0
Generic CCGT RA_2036	2036	2036	100%	100%	450.3707	1	0	0	0	0	0	0	0	0	0	0	378.738	0	0	0	0	0	0	0	0	0
Generic CCGT RA_2037	2037	2037	100%	100%	483.7523	1	0	0	0	0	0	0	0	0	0	0	0	411.9903	0	0	0	0	0	0	0	0
Generic CCGT RA_2038	2038	2038	100%	100%	509.1889	1	0	0	0	0	0	0	0	0	0	0	0	0	438.9465	0	0	0	0	0	0	0
Generic CCGT RA_2039	2039	2039	100%	100%	458.9162	1	0	0	0	0	0	0	0	0	0	0	0	0	0	400.2446	0	0	0	0	0	0
Generic CCGT RA_2040	2040	2040	100%	100%	356.172	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	314.1358	0	0	0	0	0
Generic CCGT RA_2041	2041	2041	100%	100%	432.6496	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	378.1099	0	0	0	0
Generic CCGT RA_2042	2042	2042	100%	100%	577.1533	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	499.6502	0	0	0
Generic CCGT RA_2043	2043	2043	100%	100%	557.5255	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	477.9651	0	0
Generic CCGT RA_2044	2044	2044	100%	100%	599.5192	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	508.8014	0
Generic CCGT RA_2045	2045	2045	100%	100%	550.5214	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	462.3633

Full Portfolio Supply Inputs: Values should be pasted directly from the Resource Data Template using Excel's "Paste Values" option

Resource	2028	2030	2035	2040	2045	Units	*Type*
Large Hydro	892	524	557	620	500	GWh	GHG-Free
Imported Hydro	-	-	-	-	-	GWh	GHG-Free
Asset Controlling Supplier	-	-	-	-	-	GWh	GHG-Free (Partial)
Nuclear	570	570	-	-	-	GWh	GHG-Free
Biogas	34	34	30	-	-	GWh	RPS Eligible
Biomass	70	70	-	-	-	GWh	RPS Eligible
Geothermal	1,097	1,095	1,678	741	1,617	GWh	RPS Eligible
Small Hydro	37	37	37	-	-	GWh	RPS Eligible
Wind Resources							
Wind Baseline California	493	1,020	868	695	627	GWh	RPS Eligible
Wind New PG&E	333	330	261	-	-	GWh	RPS Eligible
Wind New SCE SDG&E	-	-	-	-	-	GWh	RPS Eligible
Wind Pacific Northwest	-	-	-	-	-	GWh	RPS Eligible
Wind Wyoming	-	-	-	502	502	GWh	RPS Eligible
Wind New Mexico	-	96	96	598	1,193	GWh	RPS Eligible
Wind Offshore Morro Bay	-	-	-	-	-	GWh	RPS Eligible
Wind Offshore Humboldt	-	-	-	-	-	GWh	RPS Eligible
Solar Resources							
Solar Baseline California	1,706	1,857	1,428	1,149	353	GWh	RPS Eligible
Solar New PG&E	-	384	844	1,466	1,466	GWh	RPS Eligible
Solar New SCE SDG&E	-	-	921	2,164	2,627	GWh	RPS Eligible
Solar Distributed	-	-	-	-	-	GWh	RPS Eligible
Hybrid							
Hybrid_or_Paired_Solar_and_Battery	634	630	892	476	254	GWh	RPS Eligible
Storage & DR							
Shed DR	180	180	-	-	-	MW	GHG-Free
Pumped Storage	-	-	-	-	-	MW	n/a
Battery Storage	2,186	3,494	7,779	11,459	10,640	MWh Energy Capacity	n/a
User-Specified Profies							
Storage Resource Custom Profile	-	-	-	-	-	MW	n/a
RPS Resource Custom Profile	-	-	-	-	-	GWh	RPS Eligible
GHG-free non-RPS Resource	-	-	-	-	-	GWh	GHG-Free
Coal							
Coal	-	-	-	-	-	GWh	n/a

Resource	2028	2030	2035	2040	2045	Units	*RPS or GHG-Free*
Large Hydro	25	24	24	25	-	GWh	GHG-Free
Imported Hydro	-	-	-	-	-	GWh	GHG-Free
Asset Controlling Supplier	-	-	-	-	-	GWh	GHG-Free (Partial)
Nuclear	570	570	-	-	-	GWh	GHG-Free
Biogas	34	34	30	-	-	GWh	RPS
Biomass	70	70	-	-	-	GWh	RPS
Geothermal	1,097	1,095	1,095	158	158	GWh	RPS
Small Hydro	37	37	37	-	-	GWh	RPS
Wind Resources							
Wind Baseline California	375	563	413	223	223	GWh	RPS
Wind New PG&E	333	330	261	-	-	GWh	RPS
Wind New SCE SDG&E	-	-	-	-	-	GWh	RPS
Wind Pacific Northwest	-	-	-	-	-	GWh	RPS
Wind Wyoming	-	-	-	-	-	GWh	RPS
Wind New Mexico	-	-	-	-	-	GWh	RPS
Wind Offshore Morro Bay	-	-	-	-	-	GWh	RPS
Wind Offshore Humboldt	-	-	-	-	-	GWh	RPS
Solar Resources							
Solar Baseline California	1,234	1,231	881	537	12	GWh	RPS
Solar New PG&E	-	-	-	-	-	GWh	RPS
Solar New SCE SDG&E	-	-	-	-	-	GWh	RPS
Solar Distributed	-	-	-	-	-	GWh	RPS
Hybrid/Paired							
Hybrid or Paired Solar and Battery	-	-	-	-	-	GWh	RPS
Storage & DR							
Shed DR	180	180	-	-	-	MW	GHG-Free
Pumped Storage	-	-	-	-	-	MW	n/a
Battery Storage	2,186	2,186	2,186	2,186	-	MWh Energy Capacity	n/a
User-Specified Profiles							
Storage Resource Custom Profile	-	-	-	-	-	MW	n/a
RPS Resource Custom Profile	-	-	-	-	-	GWh	RPS
GHG-free non-RPS Resource Custom Profile	-	-	-	-	-	GWh	GHG-Free
Coal							
Coal	-	-	-	-	-	GWh	n/a

Attachment D

Clean Power System Calculator

Attachment D is Submitted per Notice of Availability

Attachment E

MCE Board of Directors Meeting Agenda

Approving IRP

Empowering Our Clean Energy Future

MARIN COUNTY | NAPA COUNTY | UNINCORPORATED CONTRA COSTA COUNTY
UNINCORPORATED SOLANO COUNTY | BENICIA | CONCORD | DANVILLE | EL CERRITO
FAIRFIELD | HERCULES | LAFAYETTE | MARTINEZ | MORAGA | OAKLEY | PINOLE
PITTSBURG | PLEASANT HILL | RICHMOND | SAN PABLO | SAN RAMON | WALNUT CREEK

MCE Board of Directors Meeting
Thursday, July 16, 2026
6:30 p.m.

1125 Tamalpais Avenue
San Rafael, CA 94901

2300 Clayton Road, Suite 1500
Concord, CA 94520

Public comments may be made in person or remotely via the details below.

Remote Public Meeting Participation

Video Conference:
https://us02web.zoom.us/j/89004877785?pwd=OTYzWGk4V2ptMFdlVGFScmw3NTlldz09
Phone: Dial (669) 900-9128, Meeting ID: 890 0487 7785, Passcode: 525690

Materials related to this agenda are available for physical inspection at MCE's offices in San Rafael at 1125 Tamalpais Avenue, San Rafael, CA 94901 and in Concord at 2300 Clayton Road, Suite 1500, Concord, CA 94520.

DISABLED ACCOMMODATION: If you are a person with a disability who requires an accommodation or an alternative format, please contact MCE at (888) 632-3674 or ada-coordinator@mceCleanEnergy.org at least 72 hours before the meeting start time to ensure arrangements are made.

The Board of Directors may discuss and/or take action on any or all of the items listed on the agenda irrespective of how the items are described.

1. Roll Call/Quorum
2. Board Announcements (Discussion)
3. Public Open Time (Discussion)
4. Report from Chief Executive Officer (Discussion)

5. Consent Calendar (Discussion/Action)

   C.1. Approval of 6.15.26 Meeting Minutes

   C.2. Approval of 6.18.26 Meeting Minutes

   C.3. Addition of Board Members to Committees

   C.4. MCE Application to the California Energy Commission's GFO-25-608 - Electric Vehicle Hub, Outreach, Messaging, and Equipment

   C.5. Proposed Exception to Operating Reserve Fund Policy Cap and Transfer

6. Integrated Resource Plan (Discussion/Action)

7. Proposed Creation of Ad Hoc CEO Search Committee (Discussion/Action)

8. Receive Public Comment on the Civil Grand Jury Report (Discussion)

9. Proposed Creation of Ad Hoc Civil Grand Jury Response Committee (Discussion/Action)

10. Proposed General Counsel Reporting Structure (Discussion/Action)

11. Board & Staff Matters (Discussion)

12. Adjourn

Informational Reports

I.1 Approved Contracts for Energy Update

I.2 Legislative and Regulatory Updates

I.3 Customer Programs Update

I.4 Interim Financial Statements Fiscal Year Ended 2026