April 2025

California Public Utilities Commission (CPUC)

ZEV Role: CPUC oversees ratepayer investments in ZEV infrastructure, electric grid infrastructure, and the development of electric rates with a focus on affordability and market acceleration.

Equity Focus: Support priority communities pursue affordable rates for fueling, contain ratepayer costs.

ZEV Market Development Objectives

1. Utility and Electric Grid Investments. Oversight of ZEV enabling investments in distribution and transmission spending through the investor-owned utilities' Phase I General Rate Cases (GRCs) which address the investor-owned utilities' overall costs of developing, operating, and maintaining their utility systems. Costs are then recovered through customer rates which are set in the investor-owned utilities' Phase II GRCs.

2024 Outcomes:

- Issued a proposed decision on PG&E's SB 410 ratemaking mechanism proposal in Q3 2024.
- Approved Decision (D.) 24-12-074 on SDG&E's GRC, authorizing funding for necessary grid investments to support EV charging.
- Oversaw the utilities' implementation of their EV Infrastructure Rules to invest in utility-side of the meter infrastructure to support EV charging.
- Oversaw the utilities' continued implementation of all Funding Cycle 0 (FC0) programs, supporting both light-duty and medium-heavy duty sectors.

2025 Targeted Key Results:

- Issue a proposed decision on the PG&E's motion requesting cost cap increases to its SB 410 ratemaking mechanism by Q3 2025.
- Support review of Transportation Electrification and Energization chapters of investor-owned utilities' GRCs.
- Continue to evaluate the utilities' implementation of FC0 transportation electrification programs and EV Infrastructure Rules.

2. Timely Energization: Oversight of investor-owned utilities' efforts to timely energize customer requests for electric distribution infrastructure to support EV charging investments. Assess the investor-owned utilities' ability to meet the energization targets and timelines adopted in D.24-09-020. Continue implementation of AB 50 (2023) and SB 410 (2023) directives to accelerate utility energization efforts and increase transparency on the utilities' data and processes to energize customers.

2024 Outcomes:

- Hosted a public workshop to launch the Energization Order Instituting Rulemaking (OIR) Proceeding R.24-01-018.
- Adopted Decision (D.) 24-09-020 establishing reasonable average and maximum energization timing targets for the investor-owned utilities to meet and a process for customers to report energization delays to the CPUC in September 2024.
- Established annual reporting requirements to track progress towards energization targets.

2025 Targeted Key Results:

- Issue a proposed decision to address near-term barriers to enabling wide-spread flexible service connections by end of year.
- Review utilities' biannual energization data reports.
- Launch Phase 2 of the Energization Proceeding.
- Host Energization Timelines workshop in summer of 2025 to discuss the data submitted in the Biannual Report by the three large investor- owned utilities and gather information to inform the need for potential improvements to the adopted energization targets.

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3. Electricity Rates: Enable rates that are aligned with the CPUC's rate design principles, provide opportunities for VGI and fueling in a manner that is beneficial for the electric grid over the long term, while also protecting ratepayers and ensuring rates remain affordable.

2024 Outcomes:

- Implementation of CalFUSE via the Demand Flexibility Rulemaking Proceeding.
- Established a real time pricing (RTP), or "dynamic," rate that compensates pilot participants for exports in PG&E's residential and commercial V2X Pilots.

2025 Targeted Key Results:

- Continue support of the development and implementation of CalFUSE framework.
- Monitor and evaluate the success of the dynamic rate implemented in the PG&E V2X pilots.

4. Electric Grid Planning: Responsible for the oversight of investor-owned utilities distribution planning.

2024 Outcomes:

- Issued the April 2024 Staff Proposal and October 2024 decision 24-10-030 on Distribution Planning Process improvements in the High Distributed Energy Resources Proceeding (R.21-06-017) to ensure proactive grid planning enables timely energization of future ZEV charging projects.
- Expanded the planning horizon of the IOUs' distribution planning process to 10 years to enhance visibility of future grid infrastructure projects.

2025 Targeted Key Results:

- Develop pending loads and scenario planning frameworks for the distribution planning process in the High Distributed Energy Resources Proceeding (R.21-06-017) in order to enable IOUs to proactively plan for anticipated load growth on the distribution system.
    - Pending Loads- allows the IOUs to plan for load growth projects that are informed by customer outreach and are likely to occur but have not yet been officially applied for.
    - Scenario Planning- requires the IOUs to analyze multiple scenarios in their annual distribution planning process in order to identify and mitigate uncertainty about load and DER growth and ultimately create a least regrets investment plan that is responsive to multiple scenario outcomes.
- Oversee the IOUs Electrification Impact Study Part 2 that will model the grid upgrades required by 2030 and 2040 under multiple scenarios and assess the impacts of equitable DER adoption, including ZEVs, and load flexibility, including managed charging.

5. Vehicle-Grid Integration: Promote VGI that aims to minimize impacts and maximize benefits of ZEV deployment on the electric grid, improve resilience and enable ZEV market opportunities.

2024 Outcomes:

- Held inaugural VGI Forum in March 2024.
- Issued scoping memo in R.23-12-008 which identified priorities for VGI within this proceeding.

2025 Targeted Key Results:

- Hold second VGI Forum in April 2025.
- Launch VGI Track in R.23-12-008 to establish VGI priorities within the proceeding.

6. Education and outreach through technical assistance efforts around customer's ZEV charging needs, site hosting capacity, ratepayer funded ZEV programs, electric rates, charging behavior and fueling from the grid.

2024 Outcomes:

- Approved PG&E's near-term priority technical assistance pilot programs via Resolution E-5314.
- Oversaw the implementation of PG&E's and SDG&E's Transportation Electrification Advisory Services (TEAS) Technical Assistance pilots.

2025 Targeted Key Results:

- Continue implementation oversight for PG&E, SCE, and SDG&E TEAS pilots.

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7. Submetering and Telematics: Support California's clean transportation goals with submetering and telematics policy development that enables EV owners to access time-of-use rates without installing separate utility meters, encouraging off-peak charging to reduce grid strain, lower costs, and cut greenhouse gas emissions.

2025 Targeted Key Results:

- Host a Submetering and Telematics Workshop in April 2025 to discuss the utilities implementation of the PEV Submetering Protocol and identify what, if any, modifications are needed to enable wide-spread participation in PEV submetering.