

California Public Utilities Commission

ZEV Role: CPUC oversees investor-owned utility investments in ZEV infrastructure and the development and affordability of rates, rebates, and other ZEV customer-facing programs with a focus on accelerating the ZEV market and maximizing ratepayer benefits.

Equity Focus: Investment in and incentives for priority communities, encourage broad employment opportunities, pursue affordable rates for fueling, minimize and equitably distribute costs for ZEV infrastructure.

ZEV Market Development Objectives:

1. **Transportation Electrification Framework (TEF).** Provide strategic guidance and direction for electric utility transportation electrification (TE) investments

Key collaborators: all stakeholders.

Key results & actions:

- a. Issue decision adopting a framework for directing electric utility TE investments by end of Q1, 2022. **Decision (D.) 22-11-040 was approved on November 17, 2022. The Decision approved a five-year, up to \$1 billion funding cycle third-party administered program to provide rebates for behind-the-meter EV charging infrastructure. The funding cycle program prioritizes investments to medium- and heavy-duty vehicle customers, and light-duty customers at multi-unit dwellings (MUDs) and MUD serving communities. At least 65 percent of the program funds are required to be provided to customers in an underserved community. The decision also adopts a separate technical assistance program that directs the electric utilities to provide all customers in their service territory interested in installing EV charging infrastructure with technical support.**
 - b. Continue coordination with electric utilities and other state agencies to integrate TE into electrical system planning. **Collaboration with the CEC, CAISO and CARB to support the development of the High electrification Scenario adopted as part of the 2021 Integrated Energy Policy Report (IEPR) demand forecast, which incorporates demand assumptions for ACCII and ACF regulations.**
2. **Infrastructure Deployment.** Equitably deploy TE charging infrastructure, while ensuring just and reasonable rates for electric utility ratepayers.

Key collaborators: Electric Utilities, CARB, CEC, CWDB.

Key results & actions:

- a. Issue a final decision on Pacific Gas & Electric's Electric Vehicle Charge 2 application¹ by December 31, 2022. **D.22-12-054 was approved on December 15, 2022. This decision approved phase 1 of PG&E's EVC2 program. PG&E is authorized to spend up to \$52 million from January 1, 2023 to December 31, 2026, to install approximately 2,822 level 2 and DCFC ports at MUDs, workplaces, and destination centers. PG&E must spend at least 65 percent of the program funds at underserved communities.**
 - b. Review and approve electric utility Near-Term Transportation Electrification Priority Advice Letters² by Q3 2022. Near Term Priority proposal are required to prioritize equity communities. **The CPUC is currently reviewing SDG&E's near-term priority proposal.**
 - c. Review electric utility compliance filings to finalize implementation of Southern California Edison's Charge Ready 2 and San Diego Gas & Electric's Power Your Drive Extension start up efforts. *(Ongoing)*
 - d. Oversee the implementation of authorized electric utility TE programs to ensure they meet the authorized cost, infrastructure deployment, and equity targets, throughout 2022. **Ongoing**
 - e. Review program and pilot evaluation reports. *(Ongoing)*
3. **AB 841 Implementation.** Adopt processes to comply with AB 841 common costs rules / EVITP requirement / underserved communities requirement

Key collaborators: Electric Utilities, CARB, CEC, CWDB,

Key results & actions:

- a. Review and approve the electric utilities' advice letters to modify their EV Infrastructure Rules³ by Q1 2022. **All electric utility advice letters were approved in Q1 2022.**
- b. Oversee the implementation of the electric utilities EV Infrastructure Rules, which are expected to launch by April, 2022; **Ongoing**
- c. Co-host a public workshop with the electric utilities to discuss service energization timing for EV charging by April, 2022. **Workshop was held March 31, 2022. The CPUC approved the electric utilities service energization timing proposals on December 15, 2022 via Resolution E-5247. The Resolution directs the electric utilities to meet an average service energization timeline of 125-business days. This timeline is limited to projects going through the electric utilities' EV Infrastructure Rules, and excludes projects that trigger a Rule 15 upgrade, exceed 2 megawatts, and/or require a substation upgrade.**
- d. Ensure electric utility TE programs comply with EVITP requirements *(Ongoing)*.

¹ A.21-10-010

² Electric utilities expected to file Near-Term Priority Advice Letters in Q1 2022.

³ Approved in Resolutions E-5167 and E-5168

- e. Ensure all new electric utility TE efforts have a minimum of 35%⁴ of investments underserved communities (*Ongoing*)
4. **Vehicle-to-Grid (VGI):** Oversee the implementation of SB 676 (Bradford, 2019) and the utilities' implementation for near-term VGI policy actions and other VGI strategies.

Key collaborators: Electric Utilities, CARB, CEC, CAISO, CCAs, non-Government Organizations, Local and Regional Governments

Key results & actions:

- a. PG&E and SCE have requested approval for funding to implement a total of seven VGI pilots. Energy Division will issue for public comment draft resolutions the utilities' proposals by Q2 2022. (*PG&E obtained approval for 3 proposed VGI Pilots via resolution E-5192. SCE have requested approval for funding to implement a total of 7 VGI pilots. Energy Division plans to issue the draft resolution for comment in Q2 2023.*)
 - b. The IOUs requested approval to fund a VGI emerging technology program. Energy Division will draft a resolution on the IOUs' proposals by Q3 2022. (*CPUC denied the IOUs' Emerging Technology program proposals via resolution E-5224. The CPUC determined the IOUs' did not adequately justify their proposed budget, lacked success metrics linked to clear end goals, and, did not justify a need for the proposed programs as the proposed activities overlap with other programs*)
 - c. CPUC Energy Division staff will review the electric utility and CCA first annual VGI-related reports due March 2022. *Ongoing*
 - d. CPUC Energy Division staff is considering additional guidance on automatic load management in IOU transportation electrification programs. *D.22-11-040 directed Energy Division staff to conduct a study to evaluate the need for, and potential value of, automated load management rebates to encourage customers to adopt the technology.*
5. **Low Carbon Fuel Standard (LCFS) Holdback Funds.** Oversee implementation of electric utilities' LCFS Holdback fund programs.

Key collaborators: CARB, electric utilities

Key results & actions:

- a. Review and approve the electric utility LCFS Holdback Fund program proposals focused on TE equity and TE resiliency by Q1 2022. (*CPUC approved SCE's LCFS Holdback Implementation Plan via resolution E-5236. Energy Division approved SDG&E's LCFS Holdback Implementation Plan via non-standard disposition.*)

⁴ D.21-07-045 requires all electric utility transportation electrification programs have a 50% minimum underserved communities investment target.

6. **PEV Submetering Protocol.** Adopt a PEV Submetering Protocol to allow EV drivers access to access EV specific TOU rates without installing a separate utility revenue-grade meter.

Key collaborators: Electric Utilities, CEC, CAISO, California Dept. of Food and Agriculture, Division of Measurement Standards, CPUC's TE proceeding stakeholders

- a. Issue a decision to adopt a PEV Submetering Protocol by Q3 2022. *D.22-08-024 was approved August 4, 2022. The Decision adopted a PEV Submetering Protocol and EVSE Communication Protocols. The Decision directed the electric utilities were directed to file submetering implementation plans by December 2022. The CPUC is currently reviewing these implementation plans.*
 - b. Coordinate with the electric utilities to start offering PEV Submetering options to customers *(Ongoing)*
7. **EV Electric Rates:** Develop EV charging rates that facilitate widespread access to transportation electrification for IOU ratepayers.

Key collaborators: Grid Operators, Electricity Providers, Vehicle Manufacturers and Supply Chain, CPUC's TE proceeding stakeholders

Key results & actions:

- a. Review PG&E's and SDG&E's Commercial EV dynamic rate proposal. *(Ongoing through 2022)*
- b. Continue overseeing the implementation of PG&E's, SCE's, and SDG&E's EV commercial rates. *(Ongoing)*