



Resiliency: Understanding and Addressing the Impacts of Electric Grid Outages and other Emergencies on the Telecommunications, Water, Wastewater, and Transportation Sectors

Introduction and Ex Parte Reminder

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Ex Parte Reminder

- Please be aware that Leuwam Tesfai, our moderator today, is a decisionmaker under the CPUC's ex parte rules.
- Avoid discussing CPUC ratesetting proceedings that are open or subject to a rehearing application.
- We also have an outright ban against discussing open CPUC adjudicatory proceedings.
- Participants should refer to Rule 8.3 of the California Public Utilities Commission's Rules of Practice and Procedure if they have questions or concerns about their obligations to report any statements they make during today's event.

Active CPUC Proceedings Directly Addressing Resiliency and Electric Grid Outages

- Public Safety Power Shutoff (PSPS) OIR (R.18-12-005)
 - Quasi-Legislative
- PSPS Order to Show Cause (a separate phase of R.18-12-005)
 - Adjudicatory
- PSPS OII (I.19-11-013)
 - Ratesetting (currently, but subject to future re-categorization)
- Microgrids and Resiliency OIR (R.19-09-009)
 - Ratesetting
- Reliability during Extreme Weather Events in 2021 (R.20-11-003)
 - Ratesetting
- Wildfire Mitigation Plans (R.18-10-007)
 - Ratesetting

PSPS OSC (a separate phase of R.18-12-005) - Scope

- [Nov. 19, 2019 OSC](#) issued by the CPUC:
- PG&E ordered to show cause why it should not be sanctioned by the Commission for violation of Pub. Util. Code § 451, D. 19-05-042, and Resolution ESRB-8 for its conduct concerning the PSPS events on:
 - (1) October 9, 2019 - October 12, 2019,
 - (2) October 23, 2019 – October 25, 2019, and
 - (3) October 26, 2019 - November 1, 2019.
- A [Dec. 23, 2019 Scoping Memo](#) more specifically identifies issues.
- Given the adjudicatory nature of the OSC, **PG&E's conduct during these PSPS events is off limit for today's discussion.**

PSPS OIR (R.18-12-005) - Scope

- Issues set forth in the current [Phase 2 Amended Scoping Memo](#):
 - **Updates or changes to existing PSPS guidelines** adopted in Resolution ESRB-8 and D.19-05-042 to promote the public safety in advance of the 2020 wildfire season;
 - **Proposed guidelines** relating to the following topics:
 - a. **IOU server and website capacity** to ensure ability of the broader affected population to access real-time PSPS information during a PSPS event;
 - b. Identification of **transit corridors and critical transportation infrastructure** dependent upon backup generation during a PSPS event and plans to ensure backup generation is deployed;
 - c. Operations and location of **Community Resource Centers** during PSPS events;
 - d. Possible creation of a **wildfire safety community advisory board** for each utility;
 - e. **PSPS planning exercises** in advance of the wildfire season, including IOUs and communication services providers;
 - f. **Communication and notification during a PSPS event** when communications services may be disrupted;
 - g. Assistance to **medical baseline customers** in the near term to mitigate impact of PSPS events; and
 - h. Plans to better execute identification, communication, and contact with **vulnerable populations** that may not be considered medical baseline customers.

PSPS OII (I.19-11-013) - Scope

- Pursuant to the [Aug. 3, 2020 Scoping Memo](#):
 - Phase 1 ended with publication of the Safety and Enforcement Division's [Public Report On The Late 2019 Public Safety Power Shutoff Events](#) (April 30, 2020).
 - Phase 2 Issues:
 - Evaluation of the Implementation of 2019 PSPS Events.
 - Did PG&E, SCE, and SDG&E comply in October and November 2019 with the criteria set forth in D.19-05-042 and other applicable laws and regulations when pro-actively de-energizing and re-energizing their power lines?
 - Corrective Action based on 2019 PSPS Events.
 - What corrective actions should the Commission require of PG&E, SCE, and SDG&E for any failure in late 2019 to comply with the then-existing PSPS Guidelines?

Microgrids and Resiliency OIR (R.19-09-009) - Scope

- Proceeding to implement Senate Bill 1339 (2018), which requires the CPUC to reduce barriers to microgrid deployment statewide, while prioritizing system, public, and worker safety, and avoiding cost shifts between ratepayers.
- CPUC added resiliency activities for the 2020 fire season to scope of Track 1.
 - Pursuant to the [July 3, 2020 Amended Scoping Memo](#), potential overlapping issues with our discussion include:
 - Use of advanced metering infrastructure to enable **electrical isolation** as a viable resilience strategy
 - Development of **data portal for local and tribal governments**
 - Transition from diesel generation to alternative, clean **backup power generation**
 - **Interconnection, metering, and service standards** for microgrids

Reliability During 2021 Extreme Weather Events OIR (R.20-11-003) - Scope

- Proceeding to consider how to increase energy supply and decrease demand during the peak demand and net demand peak hours in the event that a heat storm similar to the August 2020 storm occurs in the summer of 2021.
- Per the [Dec. 21, 2020 Scoping Memo](#), issues related to resiliency in other utility sectors may include:
- Actions to increase supply during peak and net peak demand hours in summer 2021
- Emergency Load Reduction Program (ELRP)
 - Behind the meter (BTM) hybrid solar-plus-storage asset and stand-alone storage participation and discharge of available capacity in excess of onsite load (aka “exports”)
 - Participation of BTM supply resources without firm capacity contracts
 - Back-up generation (BUG) participation
- Other changes to existing Demand Response programs

Wildfire Mitigation Plans (R.18-10-007) - Scope

- This proceeding was opened to evaluate the IOUs' 2019 Wildfire Mitigation Plans.
- Per a [Nov. 12, 2020 ALJ Ruling](#), very limited issues remain open in this proceeding, including:
 - Assessment of the effectiveness of English and in-language customer outreach by electrical corporations during 2020, before, during, and after wildfires.
- Under statute, responsibility for evaluation of future Wildfire Mitigation Plan Updates is transferred to the Wildfire Safety Division, which is set to become part of the California Natural Resources Agency in 2021.