



Workshop Agenda

Subject: Alternatives to Diesel for Substation Power During PSPS in 2021

August 25, 2020

California Public Utilities Commission

WebEx

Phone (Listen Only)

- Conference Number: 1-855-282-6330 (toll free)
- Participant Code: 146 484 0854

WebEx (Slide View/Submit Written Questions)

<https://cpuc.webex.com/cpuc/onstage/g.php?MTID=e9a637dfac56b4dfe89a1f091087e04ed>

- Meeting Number: 146 484 0854
- Meeting Password: DieselAlt

Contact

- Daniel Tutt, 415-703-2096, Daniel.Tutt@cpuc.ca.gov

Background:

To reduce the risk of utility infrastructure starting wildfires, investor-owned electric utilities may shut off electric power as a safety measure of last resort, referred to as Public Safety Power Shutoff (PSPS) events. In order to limit the impact of PSPS events and maintain power to more customers in 2020 than in 2019, Pacific Gas and Electric Company (PG&E) is implementing a Temporary Generation Program at substations, each serving thousands of customers, where mobile diesel power generators can serve safe-to-energize loads.

In response to Senate Bill 1339 (Stern, 2018), the CPUC initiated Rulemaking 19-09-009 to facilitate the commercialization and deployment of microgrids while prioritizing system, public, and worker safety and avoiding shifting costs between ratepayers. The proceeding was rescoped in December 2019 to include a focus on resiliency. This workshop will explore the intersection of microgrids and resiliency, specifically the technologies that can enable greater resilience. The proceeding is organized into three tracks and this workshop relates to track one issues.

Purpose of the workshop:

The primary goal of the workshop is to look for available, safe, and cost-effective alternatives to diesel generation that would power safe-to-energize substations in 2021 and in future years. Through collaborative discussion and creative responses from stakeholders, the workshop aims to clarify the opportunities and challenges that face cleaner generation when replacing diesel at the substation level.

Workshop Agenda

August 25, 2020, 9:00AM – 5:00PM

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| I. Introduction | 9:00–9:45 |
| <ul style="list-style-type: none">• Present workshop logistics & ground rules (<i>CPUC Staff</i>)• Deliver opening remarks (<i>Assigned Commissioner Shiroma, President Batjer, Commissioners Randolph, Guzman Aceves and Rechtschaffen, CARB Chair Nichols, CEC Chair Hochschild, CEC Vice Chair Scott</i>)• Procedural Context (<i>ALJ Rizzo</i>) | |
| II. PSPS Background | 9:45–10:15 |
| <ul style="list-style-type: none">• Present overview of Public Safety Power Shutoffs and PG&E’s response. (<i>PG&E</i>) | |
| III. Challenge Statement | 10:15–11:15 |
| <ul style="list-style-type: none">• Present Challenge Statement: Maximize the benefits to customers in safe-to-energize areas subject to transmission outages. Minimize the need to reserve a large fleet of diesel generation for the purpose of providing substation-scale power in 2021. (<i>CPUC Staff</i>)• Walk through three substation examples given to stakeholders: Alto, Fort Bragg, and Covelo. (<i>PG&E</i>) | |
| IV. Current Solution | 11:15–11:30 |
| <ul style="list-style-type: none">• Present current substation-level temporary generation solution. (<i>PG&E</i>) | |
| V. Q &A | 11:30–11:40 |
| VI. Evaluation of Alternatives | 11:40–11:55 |
| <ul style="list-style-type: none">• Present considerations for choosing best fit solutions and comparing alternatives. (<i>Sierra Club</i>) | |
| LUNCH (60 min) | 11:55–12:55 |

VII. Proposed Alternatives for 2021: Presentations **12:55–2:40**

- Presentations from different solution proponents on their alternatives to diesel temporary generation for the 2021 fire season as well as future years. Presentations should directly respond to the Challenge Statement laid out during the morning session. (*Peterson Power Systems, Enchanted Rock, FuelCell Energy, Bloom Energy, Tesla, SunRun, Fort Bragg Critical Loads Microgrid/ Sonoma Clean Power*)

BREAK (15 min) **2:40–2:55**

VIII. Proposed Alternatives for 2021: Moderated Panel Discussion **2:55–4:10**

- Present challenges and lessons learned in a renewable microgrids project (*Schatz Energy Research Center*)
- Moderated discussion with presenters, with opportunity for questions from the public. (*CPUC Moderation by Ed Randolph, Deputy Executive Director for Energy and Climate Policy, CPUC*)

IX. Public Comment **4:10–4:40**

X. Closing Remarks **4:40–5:00**

- Review procedural next steps (*ALJ Rizzo*)
- Deliver closing remarks (*Commissioner Shiroma*)