



Information Session: Introduction to the CPUC Equitable Resiliency Study

September 10, 2024 10:00 AM–12:00 PM Pacific

WebEx (Slide View/Submit Written Questions)

Advance registration is requested.

Registration Link:

<https://lumen.webex.com/weblink/register/r73544953aa848bce7e47ab238a687639>

Event Link:

<https://lumen.webex.com/lumen/j.php?MTID=m7a84f38e59125e610d06aba0a4c1e61c>

Event number: 2535 134 9849

Event password: 1234

Phone (Listen Only):

Local/US Toll 1-415-655-0001

Access code: 2535 134 9849

Contact

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*This information session will be held via WebEx. **All information session participants will be muted during the introduction and speaker presentations.** During the discussion, participants may use either the “raise your hand” WebEx button online or the Q&A function to comment/ask questions. Call-in users may dial *3 to raise their hand. Questions/comments will be addressed in the order received.*

Although a quorum of Commissioners, their advisors or other decision-makers may be present, no action will be taken at this event.

Background:

As climate change increases the frequency and intensity of disruptive events, extreme disparities in equity are becoming more apparent, as those with lower incomes are suffering disproportionately high social and economic burdens when the power is out for extended periods of time. Additionally, the nature of these disruptions reveals the interdependencies between critical infrastructure systems beyond just electrical power. As California moves to meet decarbonization goals, consumer confidence in higher levels of electrification and penetration of renewables is critical to maintain in response to disruptive events. This can be achieved by building resilience strategies into grid planning processes. While resiliency strategies are being sought, the costs and benefits of those strategies must be balanced with other goals such as affordability, equity, reliability, safety, and broader decarbonization policy and strategy.

Equitably quantifying the relative value of resilience strategies to maintain and/or restore power quickly and safely is critical to making cost-efficient investment decisions resulting in affordable direct and indirect power costs for all. Applying quantitative resilience metrics developed with equity-focused considerations within a comprehensive resilience planning process will allow for building the grid in such a way that it can respond more quickly to disruptions and can ensure that those who are vulnerable do not suffer disproportionate effects of power outages caused by disruptive events. Additionally, a resilience planning framework backed by quantitative analysis using equity-focused metrics can be incorporated into many facets of the regulatory work that is done at CPUC and has broad implications for the future of the electric grid.

In late 2020 the Energy Division launched the Resiliency and Microgrid Working Group (RMWG) to facilitate discussions to support the goal of resiliency and the commercialization of microgrids. Among other activities, the RMWG explored resilience issues with stakeholders through the development of a 4 Pillar Methodology that incorporates best practices in resilience planning. In 2023, staff held another series of workshops focused on demonstrating principles of the 4-Pillar Methodology and data-driven quantitative insight on how resilience can be considered in equitable grid investment planning processes. Meeting materials are documented on the CPUC's website (<https://www.cpuc.ca.gov/industries-and-topics/electrical-energy/infrastructure/resiliency-and-microgrids/resiliency-and-microgrids-events-and-materials>).

In mid-2024 the Energy Division launched its CPUC Equitable Resiliency study with Lumen Energy Strategy, LLC (Lumen) and Spatial Informatics Group, LLC (SIG), pursuant to RFP 22NC1091 (<https://caleprocure.ca.gov/event/8660/0000029275>). Through the study, CPUC staff aims to continue development of a resilience planning framework and to explore the shortcomings of, and opportunities presented by, the intersection of currently available tools and metrics, as well as current regulatory policies and practices—through development of geo-spatial equitable resilience valuation modeling and analysis.

As part of the CPUC Equitable Resiliency study, CPUC staff is holding a series of information sessions to continue exploration of topics previously identified in the above-referenced stakeholder meetings, workshops, and information sessions as those that need more in-depth discussion and consideration, and to collect feedback from stakeholders as the study team designs and develops specific work products.

Purpose of the Meeting:

This is the first information session in a series under the CPUC Equitable Resiliency study.

This information session #1 will focus on introducing stakeholders to the study, and it will serve to elicit stakeholder feedback on data sources, analytical approach, and work plan. CPUC Staff will provide an overview of the study's motivation and objectives, and Lumen and SIG will facilitate discussions around the data sources, analytical approach, and work plan.

Meeting Agenda:

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| I. Introduction (<i>CPUC Staff</i>) | 10:00a–10:05a |
| a. WebEx logistics, agenda review | |
| II. Review of Resiliency Work To-Date (<i>CPUC Staff</i>) | 10:05a–10:15a |
| a. 4-Pillar Methodology development and demonstrations | |
| b. Need for a comprehensive analytical tool | |
| c. Vision for the CPUC Equitable Resiliency study | |
| III. Equitable Resiliency Index & Demos (incl. Q&A and polls)
(<i>Lumen Energy Strategy, Spatial Informatics Group</i>) | 10:15a–11:25a |
| a. Analytical approach and work plan (<i>Lumen</i>) | 10:15a–10:45a |
| b. Overview of key data sources (<i>Lumen</i>) | 10:45a–11:05a |
| c. Examples of geo-spatial decision support tools and indices (<i>SIG</i>) | 11:05a–11:25a |
| IV. Additional Q&A | 11:25a–11:50a |
| V. Next Steps, Upcoming Information Sessions (<i>CPUC Staff</i>) | 11:50a–12:00p |