

<b>DOCKETED</b>	
<b>Docket Number:</b>	19-ERDD-01
<b>Project Title:</b>	Research Idea Exchange
<b>TN #:</b>	240094
<b>Document Title:</b>	Notice of Staff Workshop Regarding Research on Valuation of Investments in Electricity Sector Resilience
<b>Description:</b>	***This document supersedes TN 240088*** November 5, 2021, 10:00 a.m. - 11:30 a.m.
<b>Filer:</b>	Julia Harnad
<b>Organization:</b>	California Energy Commission
<b>Submitter Role:</b>	Commission Staff
<b>Submission Date:</b>	10/18/2021 4:15:35 PM
<b>Docketed Date:</b>	10/18/2021

**CALIFORNIA ENERGY COMMISSION**

1516 Ninth Street  
Sacramento, California 95814

[energy.ca.gov](http://energy.ca.gov)

CEC-70 (Revised 2/2021)

**IN THE MATTER OF:**

*Request for Comments on Forthcoming  
Solicitation Regarding Research on  
Valuation of Investments in Electricity Sector  
Resilience*

Docket No. 19-ERDD-01

NOTICE OF REMOTE-ACCESS  
WORKSHOP

RE: Forthcoming Solicitation  
Regarding Research on Valuation of  
Investments in Electricity Sector  
Resilience

## **Notice of Staff Workshop Regarding Research on Valuation of Investments in Electricity Sector Resilience**

**November 5, 2021**

10:00 a.m. - 11:30 a.m.

**Remote Access Only**

The California Energy Commission (CEC) will host a remote-access workshop to elicit stakeholder input regarding a forthcoming solicitation regarding research on valuation of investments in electricity sector resilience.

The workshop will be held remotely, consistent with Assembly Bill 361 (Rivas, Chapter 165, Statutes of 2021) to improve and enhance public access to state agency meetings during the COVID-19 pandemic and future emergencies by allowing broader access through teleconferencing options. The public can participate in the workshop consistent with the direction provided below. Please note that the CEC aims to begin promptly at the start time posted and the end time is an estimate based on the agenda proposed. The workshop may end sooner or later than the posted end time depending on various factors.

### **Remote Attendance Instructions**

The meeting workshop may be accessed by clicking the Zoom link below or visiting [Zoom](https://join.zoom.us) at <https://join.zoom.us> and entering the ID and password for the workshop listed below. If you experience difficulties joining, contact Zoom at (888) 799-9666 ext. 2 or the Public Advisor's Office at [publicadvisor@energy.ca.gov](mailto:publicadvisor@energy.ca.gov), at (916) 654-4489 or toll-free at (800) 822-6228.

Link to Workshop: [Valuation of Investments in Electricity Sector Resilience](https://energy.zoom.us/j/94476931472?pwd=UVBIZzNIeIV3SzNoSFZXYjlkMUxlZz09), at <https://energy.zoom.us/j/94476931472?pwd=UVBIZzNIeIV3SzNoSFZXYjlkMUxlZz09>

**Meeting Workshop ID:** 944 7693 1472  
**Meeting Workshop Password:** resilience

Use the “raise hand feature” to indicate you want to speak and the event facilitator will indicate when your line is open and ready for you to make comment.

**To Participate by Telephone**, dial (877) 853-5257 (Toll Free) or (888) 475-4499 (Toll Free) or [add toll number]. When prompted, enter the ID: 944 7693 1472 for the workshop. To comment, dial \*9 to “raise your hand” and \*6 to mute/unmute your phone line.

Attendees using a computer can access **Zoom’s closed captioning service** by clicking on the “live transcript” icon and then choosing either “show subtitle” or “view full transcript.” The closed captioning service can be stopped by exiting out of the “live transcript” or selecting the “hide subtitle” icon. If using a phone, closed captioning is automatic and cannot be turned off. Please note that a transcript of the workshop developed by a professional court reporter will be docketed and posted similar to other workshops.

## **Agenda**

CEC staff seek input from a broad set of energy sector stakeholders such as researchers, state agencies, investor-owned utilities (IOUs), equity experts, technology developers, and community-based organizations to inform the scope of a research solicitation planned for release in the third quarter of 2022. The proposed solicitation is responsive to the Electric Program Investment Charge (EPIC) Interim Investment Plan initiative on “Valuation of Electricity Sector Resilience.” Research supported by this solicitation will contribute to development of methods for valuation of the social benefits (including economic, public health, and other societal benefits) of customer and grid resilience investments, such as microgrids, distributed generation, and storage. The research is expected to analyze weather-related electricity service disruptions to provide a basis for understanding the types of impacts that could be valued by state and local governments in the context of climate resilience as well as their distribution among ratepayers, with particular consideration of equity concerns and impacts on Disadvantaged Vulnerable Communities (DVCs), as defined by the California Public Utilities Commission (CPUC).

The workshop will provide an overview of the EPIC initiative that supports this research, some highlights regarding the broader policy context for this research, and possible objectives for the solicitation. Staff will invite participants to discuss questions and offer suggestions for consideration as staff refine the upcoming solicitation’s focus and scope (see Appendix for workshop discussion questions).

## **Background**

Climate-related events and their associated impacts and energy disruptions are demonstrating a need and opportunity to respond to resilience challenges in the energy sector. Among affected ratepayers, DVCs can be disproportionately impacted by these climate events. California’s state and local agencies have much to gain from a standardized quantitative approach for valuation of resilience. For example, promoting a systematic method could enable investments in effective and equitable customer and grid-resilience measures. The need to understand and value societal

benefits and impacts of resilience or lack thereof has emerged in public workshops, including Integrated Energy Policy Report (IEPR) workshops related to microgrids and climate adaptation workshops.

Research related to the valuation of resilience is a direct extension of EPIC's applied research on climate vulnerability and resilience options for the electricity sector. The CPUC's Order Instituting Rulemaking to Consider Strategies and Guidance for Climate Change Adaptation Decision 20-08-046 requires IOUs to develop vulnerability assessments that include a focus on promoting equity in DVCs. Furthermore, DVCs may need to be prioritized to receive additional resources, engagement, and attention as IOUs make climate adaptation investments. Expanding relevant research while contributing to the development of methods for valuation of resilience could enable judicious investments in the electricity sector that improve climate change preparedness, especially for DVCs.

### **Public Comment**

**Oral comments** will be accepted at the end of the workshop. Comments may be limited to three minutes or less per speaker and one person per organization. If participating via Zoom's online platform, use the "raise hand" feature so the administrator can announce your name and unmute you. If you are participating by telephone, press \*9 to "raise your hand" and \*6 to mute/unmute.

**Written comments** must be submitted to the Docket Unit by 5:00 p.m. on November 19, 2021. Written and oral comments, attachments, and associated contact information (including address, phone number, and email address) will become part of the public record of this proceeding with access available via any internet search engine.

The CEC encourages use of its electronic commenting system. Visit the [e-commenting page](https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=19-ERDD-01) at <https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=19-ERDD-01>, which links to the comment page for this docket. Enter your contact information and a comment title describing the subject of your comment(s) such as "Valuation of Resilience Research". Comments may be included in the "Comment Text" box or attached as a downloadable, searchable document in Microsoft® Word or Adobe® Acrobat®. The maximum file size allowed is 10 MB.

Written comments may be submitted by email. Include docket number 19-ERDD-01 and "Research on Valuation of Investments in Electricity Sector Resilience" in the subject line and email to [docket@energy.ca.gov](mailto:docket@energy.ca.gov).

A paper copy may be sent to:

California Energy Commission  
Docket Unit, MS-4  
Docket No. 19-ERDD-01  
715 P Street  
Sacramento, California 95814

## Public Advisor and Other CEC Contacts

The CEC's Public Advisor's Office provides the public with assistance in participating in CEC proceedings. For information about how to participate in this workshop or to request interpreting services or other reasonable modification and accommodations, reach out via email at [publicadvisor@energy.ca.gov](mailto:publicadvisor@energy.ca.gov), by phone at (916) 654-4489, or toll free at (800) 822-6228. Requests for interpreting services, reasonable modifications and accommodations should be made as soon as possible but at least five days in advance of the workshop. The CEC will work diligently to meet all requests based on the availability of the service or resource requested.

**Direct media inquiries** to [mediaoffice@energy.ca.gov](mailto:mediaoffice@energy.ca.gov) or (916) 654-4989.

**Direct technical subject inquiries** to Julia Harnad at [julia.harnad@energy.ca.gov](mailto:julia.harnad@energy.ca.gov) or (916) 477-1302.

**Direct general inquiries** regarding the Staff Workshop to Julia Harnad at [julia.harnad@energy.ca.gov](mailto:julia.harnad@energy.ca.gov) or (916) 477-1302.

## Availability of Documents

Documents and presentations for this meeting will be available at docket number [19-ERDD-01](#) at <https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=19-ERDD-01>. When new information is posted, an email will be sent to those on the list servers provided below in this notice. Manage existing list servers or sign up for others at [CEC List Servers](#), at [https://ww2.energy.ca.gov/listservers/index\\_cms.html](https://ww2.energy.ca.gov/listservers/index_cms.html).

Dated: [October 18, 2021](#) at Sacramento, California



---

Laurie ten Hope  
Deputy Director, Energy Research and Development Division

## List Servers:

Climate Change  
Epic  
Research  
Opportunity

## Appendix - Workshop Discussion Questions

1. What research approaches are needed to measure societal impacts and benefits of energy resilience, with a particular focus on Disadvantaged Vulnerable Communities (DVCs)?
2. What type of skills, competencies, and expertise should the research team demonstrate, particularly for research that prioritizes DVCs?
3. This GFO prioritizes DVCs among other ratepayers.
  - a. Should this research focus on specific geographic locations and areas? At what scale (neighborhood, zip code, county, region, etc.)?
  - b. What types of weather-related events should this research focus on?
  - c. What types of climate-related impacts and social vulnerability factors should be considered?
  - d. Are there other considerations we should be aware of to help maximize benefits to DVCs?
4. Which existing frameworks or metrics for Valuation of Resilience should be considered for this research?
5. Please provide feedback on the following:
  - a. Which of the following should be included in the scope of the research?
    - i. past historical weather-related events
    - ii. establishing the data to be collected
    - iii. analyzing data during the project's timeframe
    - iv. combination of the aforementioned factors?
  - b. What data should be collected?
  - c. What types of metrics should be established?
6. What aspects of resilience should this research focus on?