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<th><strong>Docket Number:</strong></th>
<th>16-OIR-06</th>
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<tr>
<td><strong>Project Title:</strong></td>
<td>Senate Bill 350 Disadvantaged Community Advisory Group</td>
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<td><strong>TN #:</strong></td>
<td>226373</td>
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<tr>
<td><strong>Document Title:</strong></td>
<td>Agenda Item 6</td>
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<tr>
<td><strong>Description:</strong></td>
<td>Presentation on the Electric Program Investment Charge (EPIC) by CPUC and Energy Commission staffs</td>
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<td><strong>Filer:</strong></td>
<td>Kristy Chew</td>
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<td><strong>Organization:</strong></td>
<td>California Energy Commission</td>
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<td><strong>Submitter Role:</strong></td>
<td>Commission Staff</td>
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<td><strong>Submission Date:</strong></td>
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<td><strong>Docketed Date:</strong></td>
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Electric Program Investment Charge (EPIC)

California Public Utilities Commission
Disadvantaged Communities Advisory Group
January 25, 2019
Overview of CPUC Research, Development & Deployment Programs

- Electric Program Investment Charge (EPIC) ($555 M for 2018-2020)
- Natural Gas Research and Development ($24 M/yr)
EPIC - Overview

• CPUC established in 2011, funded by utility customers

• Provides investments in clean energy innovation to benefit California ratepayers

• Administered by the CEC (80% of funds), PG&E, SCE, and SDG&E (together, 20% of funds)

• Program areas:
  • Applied Research and Development
  • Technology Demonstration and Deployment
  • Market Facilitation

• 3-year Program Cycle
EPIC - Recent Activity

• 300+ EPIC projects currently active or completed

• Eight EPIC-related workshops held throughout 2018 covering topics including:
  • Implementation of legislation on DAC-related EPIC investments
  • Stakeholder input into 2018-2020 Investment Plans

• In 2018, CPUC approved administrator investment plans for 2018-2020
EPIC - DAC Considerations

• California law* requires the CEC to spend at least:
  • 25% of EPIC Technology Deployment and Demonstration (TD&D) funds on projects located in and benefitting DACs
  • 10% of EPIC TD&D funds on projects located in and benefitting low-income communities

• Per recent CPUC EPIC decision, DAC Advisory Group should inform administrator outreach work to encourage DAC participation in EPIC with goals of:
  • Ensuring beneficial projects are sited in DACs
  • Ensuring DACs benefit from results of all EPIC projects

• Future utility filing will address how utilities plan to better incorporate DAC input into their investment planning process

*Assembly Bill 523 (2017)
Additional Information

http://www.cpuc.ca.gov/energyrdd/

• CPUC RD&D lead analyst Jonathan L. Lakey
  jonathan.lakey@cpuc.ca.gov or (916) 327-6786

• CPUC supervisor Amy Mesrobian
  amy.mesrobian@cpuc.ca.gov or (415) 703-3175
Disadvantaged Community Advisory Group Meeting

Laurie ten Hope and Lorraine Gonzalez

Energy Research and Development Division

January 25, 2019 in Fresno, CA
Electric Program Investment Charge

- The EPIC Program provides ~ $162 million annually for research projects to advance new clean energy technologies.

- The Energy Commission administers 80% of the funding.

- The three utilities collectively administer 20%. 
What types of projects are eligible for funding?

EPIC projects must contain a research component and fall within one or more of the funding initiatives identified in the Energy Commission’s EPIC Triennial Investment Plan.

The 2018-2020 EPIC Investment Plan can be found at:
http://www.energy.ca.gov/research/epic/17-EPIC-01/
What types of projects are eligible for funding?

Funding areas include topics such as:

- Energy Efficiency
- Energy Storage
- Renewables
- Climate Science
- Entrepreneurial Support and assistance
- Advanced Energy Communities
- Customer Adoption of Advanced Clean Energy Technologies
The EPIC Solicitation Process

EPIC projects are awarded through a competitive solicitation process:

- Each solicitation specifies what projects are eligible for funding

Interested applicants should:

- Participate in the pre-application workshops and LinkedIn webinars for solicitations to hear clarifying information and seek potential partners for projects.
What types of projects benefit communities?

EPIC-funded projects can provide benefits to communities by:

- Improving critical services
- Improving affordability, health, and comfort in residential homes
- Supporting local economy and businesses
Stay Informed . . .

Sign up for the EPIC Listserve to receive notifications for upcoming activities and funding opportunities, at: https://www.energy.ca.gov/research/epic

Connect With Us:
2019 EPIC Symposium

Come learn about EPIC projects, and how R&D investments can help the state achieve its energy goals. This year’s symposium will feature:

- Resilient and Equitable Communities
- Electrified Transportation
- Enabling Localized Clean Energy Portfolios
- Survival Tips for Entrepreneurs
- Broadening Storage Technologies Beyond Lithium Ion
- Non-Battery Solutions for Grid Flexibility
- And more

Keynote Speakers: Senator Henry Stern and Assembly Member Eloise Gomez Reyes

Register for free: https://www.eventbee.com/v/2019epicsymposium
Other R&D Programs

- **PIER Natural Gas**
  - Focuses on reducing statewide natural gas consumption through energy efficiency; increasing use of natural gas alternatives; reducing carbon emissions, and responding to critical research issues, such as methane emissions, air quality, and natural gas pipeline integrity and safety.

- **Food Processing Incentive Program (FPIP)**
  - Provides grants, loans, or financial incentives to food processors to reduce greenhouse gas emissions; replace high energy consuming equipment and systems with market-ready and advanced technologies and equipment; and accelerate the adoption of state-of-the-art energy technologies that can substantially reduce energy use and costs, and the associated GHG emissions.

- **California Sustainable Energy Entrepreneur Development (CalSEED)**
  - Provides up to $600,000 in grant funding for early-stage development of promising new energy concepts.
Assembly Bill 523 Engagement and Implementation Efforts

After 2 public workshops in May 2018, staff developed revised evaluation criteria for TD&D projects located in low-income and disadvantaged communities that will be included in EPIC Grant Funding Opportunity solicitation manuals. During evaluation, scorers will consider:

- How project proposals meet the overall goal of the EPIC program to fund research that provides ratepayer benefits in the form of greater reliability, increased safety, and lower costs

- How TD&D proposals for projects located in communities demonstrate how the project will provide benefits to the targeted communities

A Request for Comments will be released soon, to solicit stakeholder feedback on these revised criteria.
Community Engagement

In collaboration with local CBOs and the Public Adviser’s Office, staff will hold a series of 2-part meetings areas across the state to better understand communities’ clean energy needs to help inform future EPIC solicitations:

- First meeting held in San Diego in December 2018
- Next meetings planned for early 2019 in Central Valley and Eureka (Tribal)
- Additional meetings can be scheduled in coordination with DACAG members or other CBOs
Additional Resources

Intro to R&D Funding Opportunities with the California Energy Commission

https://www.energy.ca.gov/research/
## Additional Resources

### Anticipated Solicitations

<table>
<thead>
<tr>
<th>Solicitation Title</th>
<th>Release Date</th>
<th>Program Area/Strategic Objective</th>
<th>Estimated Funding Amount</th>
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<tr>
<td>Next Generation Clean Energy Technology Manufacturing in California</td>
<td>Jan. 2019 – Mar. 2019</td>
<td>Market Facilitation ($5.2.2)</td>
<td>$12 million</td>
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[https://www.energy.ca.gov/contracts/epic.html](https://www.energy.ca.gov/contracts/epic.html)
Questions