

Equity in Research and Development

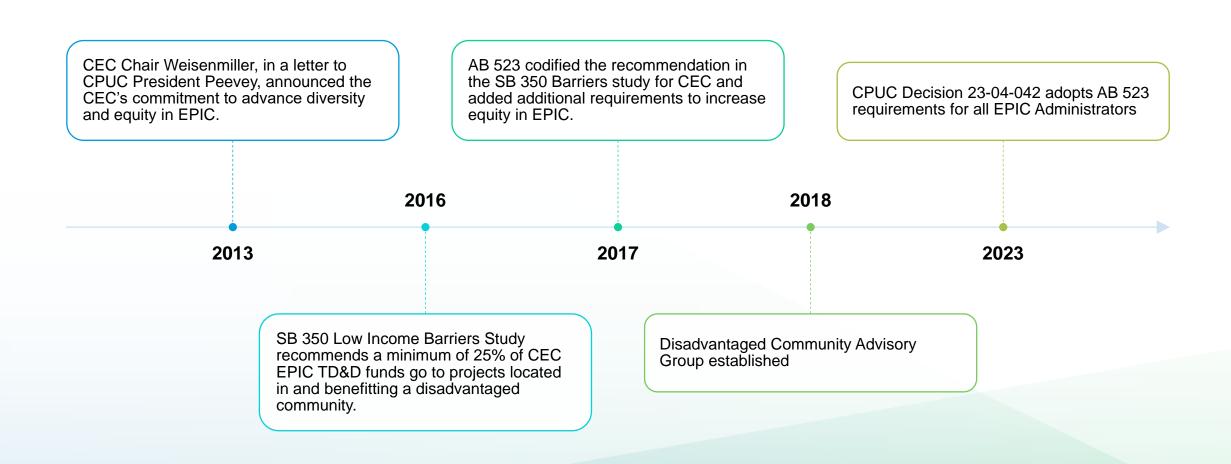
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California Energy Commission

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Policy Direction: Equity in EPIC





R&D Equity Strategy



Investment Plan Development

- Conduct extensive stakeholder outreach
- Leverage and align with policy guidance – DACAG Equity Framework



Outreach and Engagement

- Participated in outreach and community events.
- Created and distributed funding materials translated for non-English speakers
- Created and published a "How to Apply for Research Funding" video for new applicants.



R&D Equity Strategy



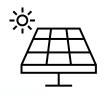
Solicitation Scoping

- Funding set-asides or preference points
- Design funding to address specific issues facing ratepayers in vulnerable communities
- Require to have community involvement for projects located in under-resourced communities



Proposal Evaluation

 Implemented equity specific evaluation criteria



Project Management

 Active project management to ensure commitments are fulfilled



Impacts of EPIC R&D

- Project-Level
 - Measures the scientific and technological advancement from a project
- Portfolio-Level
 - Measures benefits to ratepayers from EPIC investments around critical portfolio topics
 - Evaluates how EPIC projects have overcome key barriers (qualitative)
- Program-Level (Key Performance Indicators)
 - Measures the overall success and impact of the program



Project-Level Impacts

- What does success look like for the project:
 - Technology Performance
 - Economics
 - Manufacturing
 - Programmatic
- Will vary greatly depending on the project
- Mix of quantitative and qualitative metrics



Portfolio-Level Impacts

- Group projects by common areas
 - Building electrification
 - Vehicle-grid integration
 - Microgrids
 - Battery technology
- Aggregate impacts if appropriate
- Identify gaps



Program-Level Impact

Impact Category	Quantifiable Impacts
Technology Development and Commercialization	 Follow-on private investment Leveraged public funding Number of commercialized technologies
Technology Diffusion	 Number and geographic distribution of project sites (technology learning) Connections of stakeholders in EPIC's recipient network Codes and Standards improved by EPIC projects
Knowledge Generation and Dissemination	 Number of publications and citations Number of online tools and the count of their usership EPIC Symposium attendance
Diversity, Equity and Inclusion	 Percentage of TD&D funding in under-resourced communities Diversity of funding recipients Outreach and community events held
Economic Impact	Economic OutputJob Growth



Diversity, Equity, and Inclusion Impacts in EPIC

- 70% of EPIC Technology Demonstration and Deployment funds have gone to projects located in and benefiting low-income or disadvantaged communities.
- Over 30 EPIC funding opportunities have included specific funding set-aside or bonus points for locating projects in low-income or disadvantaged communities
- Over \$22 million has gone to projects benefitting California Native American Tribes, including the world-renowned microgrid at the Blue Lake Rancheria in Humboldt County.
- 22 percent of EPIC agreements include a women-, minority-, or LGBTQ-owned business as the prime recipient or a subcontractor.
- CEC staff and EPIC recipients participated in over 100 outreach and community events to promote knowledge about EPIC funding opportunities.



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Need to actively cultivate relationships

Need for additional training on EPIC

and partnerships

Lessons Learned

issue/Lesson Learned	CEC Action Taken/Planned
Communities felt like an afterthought in projects	 All AB 523 projects require a CBO on project team and funding for engagement Scoring criteria to better assess the potential for projects to benefit disadvantaged- and low-income communities Training for CEC staff to better evaluate project benefits for DAC/LI communities
Information overload/ receiving information not relevant to their interests	 Centralize and curate information on Equity Opportunities. Provide visibility into who the technology solution providers are

relationships

Longer lead times for project/technology developers and communities to build

Take a more active role in creating opportunities for networking

Events will provide targeted training on how to participate.

CEC Action Taken/Dlanned

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Thank You