

DOCKETED

Docket Number:	22-OII-01
Project Title:	Order Instituting Informational Proceeding on Distributed Energy Resources in California's Energy Future
TN #:	243407
Document Title:	Presentation - DER in California's Energy Future
Description:	4 - Presentation - Steve Campbell (GRID ALTERNATIVES)
Filer:	Harinder Kaur
Organization:	GRID Alternatives
Submitter Role:	Public
Submission Date:	6/2/2022 2:31:31 PM
Docketed Date:	6/2/2022



Distributed Energy Resources in California's Energy Future
California Energy Commission, 1 June 2022

Senior Policy Manager, GRID Alternatives



About GRID

- **History**

- Founded in 2001; leading voice in low-income solar policy; largest non-profit renewable energy installer

- **Regions**

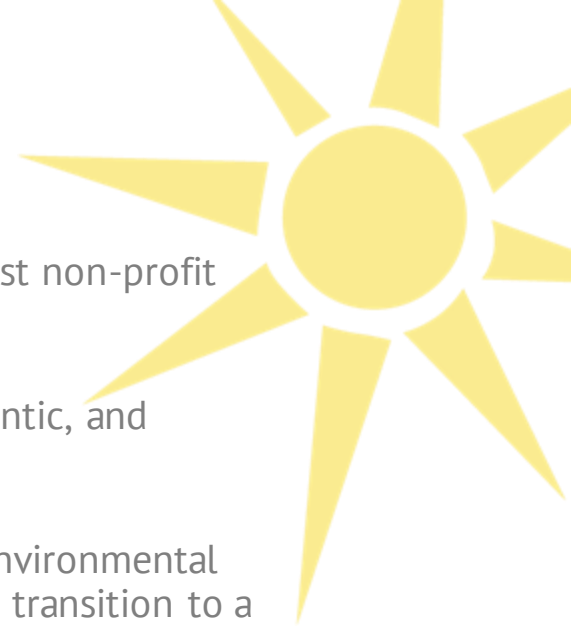
- Affiliate regions throughout California, in Colorado, and Mid-Atlantic, and international (Nicaragua, Mexico, Nepal) and tribal programs

- **Mission**

- Build community-powered solutions to advance economic and environmental justice through renewable energy. We envision a rapid, equitable transition to a world powered by renewable energy that benefits everyone

- **Impact**

- **People:** 23,328 households; 190 community facilities; \$601,494,643 est. savings
- **Planet:** 2.5M (MWh); 1,67M tons CO2 saved
- **Employment:** 32,683 people trained; 302,750 job hours trained; 310 job-training partners



Starting Premise:

'DERs are essential to achieve decarbonization, resilience and energy justice'

Quick Stats:

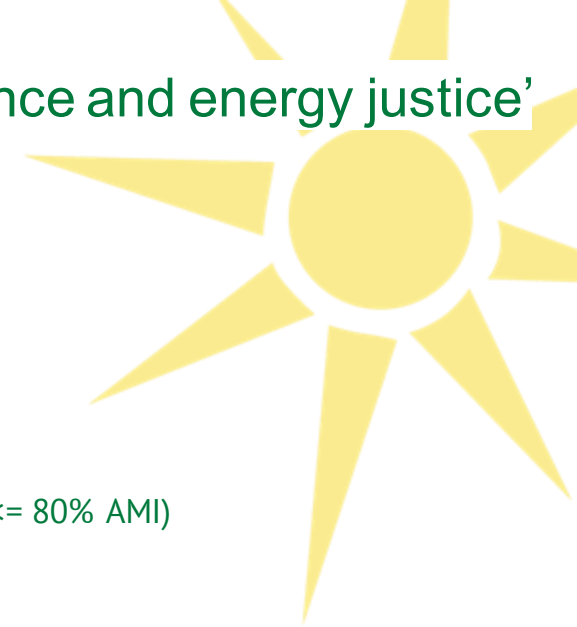
- a. 12,965,435 households in CA
 - i. 6,653,281 households are $\leq 100\%$ AMI;
 - ii. 5,454,928 households are $\leq 80\%$ AMI;
 1. 2,000,654 owner-occupied households ($\leq 80\%$ AMI)

Marketplace:

- DG+storage, EVs and EVSE, grid-interactive buildings and microgrids, DR/EE
- Assumption or premise?

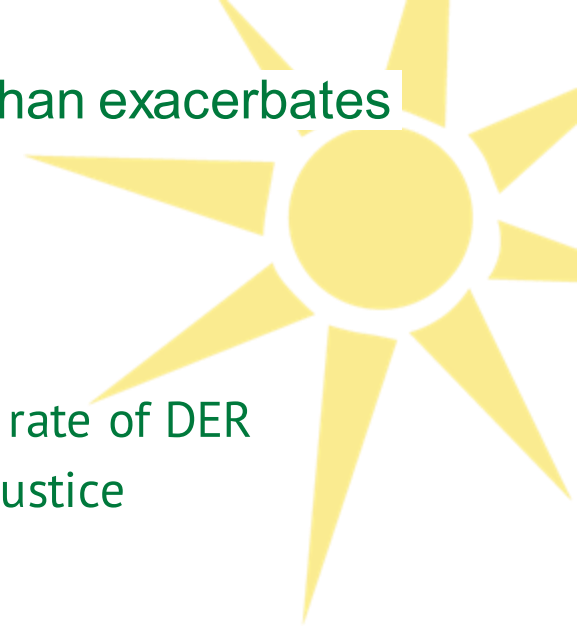
Opportunity:

- Tens of millions of opportunities to save/shift energy usage



Energy Justice

‘How can we ensure that DER growth mitigates rather than exacerbates existing inequities?’



1. Policy needed to deliver the clean electric future

a. IEPR electricity demand analysis:

- i. Identify aggressive demand forecasts and model rate of DER adoption needed in economic & environmental justice communities to meet need.

2. “Leading the state to a 100% clean energy future for all”*

- i. “For all” means *prosumers* and *energy democracy*

3. How? Priority!

- i. Tiered incentives, targeted, specialized & coordinated programs, & significantly different public outreach strategies!

Questions to Consider

How can the CEC recommend local energy planning improvements to overcome known physical barriers:

- a. E.g.: main service panel and wiring vintage data analyzed to understand which communities have disproportionate opportunity to electrify multiple end uses in near-term & mid-term
- b. Recommend optimized DER asset packages needed to replace fossil-based power plants in DACs/EJ Communities
 - i. For ex.: What combination of DERs would help retire FF plants in the quickest amount of time? Deliver plans to jurisdictions to implement.

What is one thing all economic and environmental justice communities have in common?

LIVE



Celtics in 6!

Thank you
Email: scampbell@gridalternatives.org