



# Building Community Resiliency in Disadvantaged Communities

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Commissioner Genevieve Shiroma

Community Energy Resilience Policy Summit

August 5, 2020












# Agenda

- CPUC initiatives focused on low-income communities
- Overview of microgrids proceeding and nexus with low-income issues
- No-cost storage for low-income customers through the Self-Generation Incentive Program
- Resiliency in other utility services





## CPUC programs provide significant benefits to disadvantaged communities (DACs) and vulnerable customers

	Fully subsidized <b>solar and storage systems</b> (DAC-SASH, SOMAH, SGIP)		Fully subsidized <b>home weatherization services</b> (ESA)
	Fully subsidized <b>home electrification</b> for San Joaquin Valley pilot communities		<b>\$250M to upgrade</b> utilities in mobile home parks
	<b>Debt forgiveness</b> for unpaid bills up to \$8K/customer		<b>Hard cap on number of disconnections</b> for unpaid bills
	Adopted <b>formal DAC definition</b> in 2018 and a <b>comprehensive Environmental and Social Justice Plan</b> in 2019		<b>Focus on vulnerable communities</b> in Wildfire Mitigation and Climate Adaptation plans
	<b>20-30% discounts</b> on electric and gas bills (CARE) <b>Additional 20% discount</b> for customers auto-enrolled in community solar tariffs (Green Tariff, CS-GT)		





# Microgrids Proceeding Framework



## Track 1 (complete)

Short-term actions to accelerate the deployment of microgrids and related resiliency solutions in time for the 2020 wildfire season and outages (D.20-06-017)



## Track 2 (ongoing)

Actions to facilitate the commercialization of microgrids



## Track 3 (future)

Ongoing implementation requirements of SB 1339 and future resiliency planning



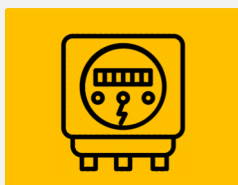


## Track 2 Staff Proposal

Sets out the Commission's primary proposals for accelerating the long-term commercialization of microgrids, including:



Rule Revisions



Rate Development



Incentive Programs



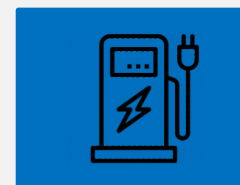
Low-cost Isolation Methods

## Concept Paper

Discusses conceptual background for staff proposal and future actions that can be taken to facilitate commercialization, including:



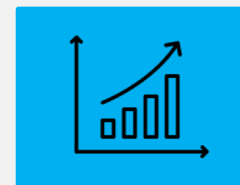
Resiliency Metrics



EV Integration



Data Access and Cybersecurity



Addressing Financial Barriers





## Self-Generation Incentive Program (SGIP) Equity and Equity Resiliency Budgets

- SGIP provides incentives for customer-sited storage and non-solar generation resources through a surcharge on all customers' electric rates. See [www.SelfGenCA.com](http://www.SelfGenCA.com) to apply.
- The Commission recently approved two new program “budgets” that shift the program’s focus to **providing no-cost batteries to low-income and medically vulnerable customers:**

### Equity Budget

Low-income customers and the institutions that serve them

### Equity Resiliency Budget

Customers in high fire threat areas who are either low-income, medically vulnerable, or dependent on electric well pumps, and the institutions that serve them





# Comparing the Equity and Equity Resiliency Budgets

Equity	Equity Resiliency
<b>\$83 million over five years</b>	<b>\$612 million over five years</b>
\$0.85/Wh incentive	\$1/Wh incentive
Residential customers with income <80% AMI who live in deed-restricted or resale-restricted properties	Residential customers who reside in Tier 2 or 3 fire threat areas or have been affected by at least two PSPS events, and who are either low-income, medically vulnerable, or dependent on electric well pumps
Non-profits, small businesses, education institutions, and local/state agencies that serve DACs	Commercial and public facilities, like corner stores and police stations, that provide critical services to these communities





There has been significant interest in the Equity and Equity Resiliency Budgets since opening in the Spring

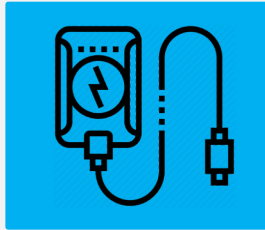
Equity	Equity Resiliency
Both the residential and non-residential budgets are <b>fully subscribed</b> for all Program Administrators except SoCalGas	As of July 22, there were applications <b>pending</b> for approximately <b>\$212M of the \$612M</b> total funds available through 2025
The non-residential budget has a <b>waitlist of over \$300M</b>	





# Resiliency Across Different Utilities

## Example: Proposed Actions for Telecoms



Minimum 72-hour onsite backup power to support emergency communications and web-browsing



Share location of network facilities and routes to aid in planning, emergency operations, and restoration



Provide and share emergency operations plan

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Thank You!  
Questions?

