



# Anticipated CEC Load Flexibility Opportunities

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December 6, 2022

CalFlexHub Symposium 2022



# CEC Priorities for CalFlexHub's Cycle-2

- Advance technologies to meet California's energy and environmental policy goals
  - Electrification and decarbonization
- Technologies demonstrate quantifiable benefits
  - Signal-responsive demand flexibility and demand response potential
  - Cost effectiveness (value)
- Interoperability
- Market adoption and commercialization potential
  - Equitable
  - Scalable



# EPIC-IV Funding Initiatives Overview

## Initiatives related to load flexibility (2022-2025)

- #13 Improving Forecasts of Behind-the-Meter Solar, Storage, and Load Flexibility Resources
- #16 Design-Build Competitions for Advancing Grid-Interactive Efficient Buildings
- #17 Enabling Grid Resilience With Load Flexibility in the Industrial, Agriculture, and Water Sectors
- **#18 Virtual Power Plants With Autonomous and Predictive Controls**
- **#19 Increasing Reliability and Interoperability of Load-Flexible Technologies**
- **#29 Demonstrate Smart Energy Management Systems to Accelerate Electrification of Homes at a Reduced Cost**

*\*A total of 45 R&D topics considered for ~\$140m/year funding through Dec 2025*

*\*See the full list of R&D initiatives on "**The Electric Program Investment Charge 2021-2025 Investment Plan**" at [energy.ca.gov](https://energy.ca.gov)*

*\*The near-term anticipated solicitations can be found **here**.*



# New CEC Funding Related to Demand Flexibility and Demand Response

Total Funding (\$Millions)	Clean Energy Programs	Legislative Budget FY
\$500	<a href="#">Climate Innovation Program</a>	2023-2026
\$100	<a href="#">Industrial Grid Support and Decarbonization Program</a> > A separate \$75m available for food production facilities	2022-2023
	<b>CA Grid Reliability Investments</b>	
\$1,000	<a href="#">Clean Energy Reliability Investment Plan (SB846)</a>	2024-2026
\$700	Distributed Electricity Backup Assets (DEBA)	2023-2026
\$295	<a href="#">Demand-Side Grid Support (DSGS)</a>	2022-2024
	<b>Federal Stimulus via CEC (Infrastructure &amp; Climate)</b>	
~\$170	Enhancing the Resilience of the Grid (IIJA Sec. 40101b)	2023-2027
TBD	Future IIJA & IRA Opportunities, and <a href="#">CEC cost share</a>	EPIC 4



*\*The Legislative Budget FY is when the funds have or anticipated to be appropriated. Roll-out of the funding by CEC will vary and you should consult with the CEC website.*



**Thank You!**

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