

**DOCKETED**

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# Developments in Policy and Funding to Support Achieving SB 100

California Energy Commission

Presenter: Erica Brand, Siting Transmission, and Environmental Protection Division

Date: August 22, 2023





# Resolution Supporting Tribal Energy Sovereignty

- CEC Resolution Supporting California Tribal Energy Sovereignty
  - To enhance tribal consultation and participation in decision-making related to clean energy planning and development in California





# Policies to Advance Decarbonization

- SB 1020: Clean Energy Jobs and Affordability Act of 2022
  - Adds interim targets to policy framework established in SB 100
- Transportation
  - Advanced Clean Cars
  - Advanced Clean Trucks
  - Advanced Clean Fleets
  - Clean Truck Partnership
- Building Decarbonization
  - CARB developing zero-emission GHG standards for new space and water heaters sold in CA planned to go into effect in 2030
- SB 1075: Analyze opportunities and impacts related to expanding hydrogen production, transmission, and use in California



# Policies to Support Grid Resources and Reliability

- AB 205: Strategic Reliability Reserve
  - Support grid reliability and provide additional resources during extreme events
- SB 846: Diablo Canyon Nuclear Power Plant
  - Preserves the option to extend operation
- SB 846: Load Shift Goal
  - Increase demand response and load shifting without increasing greenhouse gas emissions or electric rates
- Load Management Standards Updates
- Within past four years, CPUC has ordered LSEs to procure 18.8 GW of clean energy resources, and implemented demand side programs such as the Emergency Load Reduction Program



# Policies to Advance Infrastructure

- SB 887: Transmission Facility Planning
  - Planning for new transmission facilities informed by renewable and zero-carbon resource portfolios
- AB 525: Offshore Wind Infrastructure Development
  - Strategic plan for offshore wind energy development
- AB 205: Opt-In Certification Program
  - Voluntary environmental review permitting process
- AB 1657: Blue Ribbon Commission on Lithium Extraction
  - Serves as an industry guide for the development of the sector of lithium recovery from geothermal brine in the Salton Sea region
- Memorandum of Understanding Regarding Transmission and Resource Planning and Implementation (CEC, CPUC, CAISO)





# California Climate Commitment | Multiyear Budget Agreement



**\$13.8 Billion**  
Clean Transportation



**\$10.1 Billion**  
Zero-Emission Vehicles



**\$8.7 Billion**  
Drought & Water Resilience



**\$8.2 Billion**  
Clean Energy & Reliability



**\$2.8 Billion**  
Wildfire & Forest Resilience



**\$1.5 Billion**  
Community Resilience



**\$1.4 Billion**  
Nature Based Solutions



**\$1.2 Billion**  
Sustainable Agriculture



**\$1.1 Billion**  
Coastal Resilience



**\$975 Million**  
Climate Homes



**\$723 Million**  
Climate Schools & Research



**\$477 Million**  
Climate Innovation



**\$443 Million**  
Circular Economy



**\$404 Million**  
Extreme Heat



**\$321 Million**  
Climate Health



**\$315 Million**  
Climate Jobs



**\$52.3 BILLION TOTAL**

July 2023



California  
Climate Action



# Federal Funding Opportunities

- The CEC is pursuing federal funding under the Infrastructure Investment and Jobs Act (IIJA) and the Inflation Reduction Act (IRA) to further California's efforts to achieve the state's clean energy goals, while reducing costs to Californians.

## Federal Funding Opportunities

### Clean Energy, Reliability and Resiliency

- Preventing outages and enhancing resilience of the electric grid (\$170M anticipated (\$65M awarded to date) for the Community Energy Resilience Program
- Program Upgrading Our Electric Grid and Ensuring Reliability and Resiliency (Competitive Application Submitted)
- Long Duration Energy Storage (Two Competitive Applications Submitted)

### Building Decarbonization

- Energy Efficiency & Conservation Block Grant (\$4.5M anticipated)
- Energy Efficiency Revolving Loan Fund (\$6.6M anticipated)
- Home Energy Performance-Based, Whole House Rebates (HOMES) (\$292M anticipated)
- High Efficiency, Electric Home Rebate Program (HEEHRA) (\$290M anticipated)
- State-Based Home Energy Efficiency Contractor Training Grants (\$10M anticipated)
- Building Codes Implementation for Efficiency and Resilience (Awarded \$2.5M in competitive funding)
- Funding to Support Adoption of the Latest Model Energy Codes or Zero Energy Codes (Competitive opportunity forthcoming)

### Clean Transportation

- National Electric Vehicle Infrastructure (NEVI) Formula Program (\$384M Awarded)
- Charging & Fueling Infrastructure Grants (Corridor Charging) (Competitive Application Submitted)





**Thank You**

