Electricity Supply Strategic Reliability Reserve Program Update

CEC Business Meeting, January 24, 2024









Electricity Supply Strategic Reliability Reserve Program (ESSRRP) overview

- One part of the state's Strategic Reliability Reserve, created via Assembly Bill (AB) 205, focused on grid-connected resources
- Acts as insurance policy and safeguards the statewide electrical grid during extreme and combined events driven by climate change (e.g., heat events, wildfires, and drought)
- Supports California's transition to a clean energy future





ESSRP update

- AB 205 mandates quarterly CEC Business meeting updates:
 - Investments made and under consideration
 - Requires attendance by CPUC and CAISO
- Fifth update to the CEC, including DWR's investment plan
- Next update expected Q2 2024



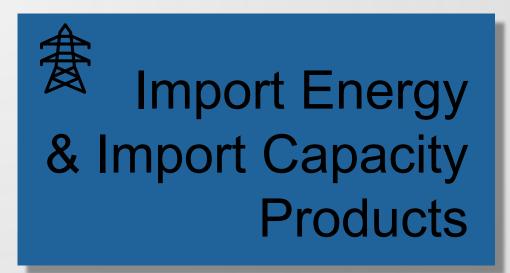
Five (5) eligible types of projects

Extended
Operations of
Retiring Facilities



Zero-Emission
Fuel Technology
Generation







ESSRRP investments

	2022	2023	2024
Emergency & temporary natural gas resources for extreme events ¹	120.0 MW	147.5 MW	Up to 291.0 MW
Once-through cooling natural gas resources for extreme events ²	0 MW	0 MW	2,859.3 MW
Firm energy import contracts ³	3,349 MW (47% low- or GHG-free)	Forthcoming	
Temporary diesel generators ⁴	82.4 MW	0	

¹Resource default is "off." Includes low emitting resources in 2024 based on similar technology that has achieved California Air Resources Board's Distributed Generation certification. https://www2.arb.ca.gov/our-work/programs/dgcert

⁴AB 205 (2022) only authorized diesel generator procurement until July 31, 2023. DWR closed this program early in favor of lower emission resources.



²Resource default is "off."

³Authorization for firm energy imports up through October 31, 2023.