Electricity Supply Strategic Reliability Reserve Program Update

CEC Business Meeting, April 10, 2024



Delphine Hou, Deputy Director

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



ESSRRP update

- AB 205 mandates quarterly CEC Business meeting updates:
 - Investments made and under consideration
 - Requires attendance by CPUC and CAISO
- Sixth update to the CEC, including DWR's investment plan
- Next update expected Q3 2024



Five (5) eligible types of projects

Extended **Operations of Retiring Facilities**

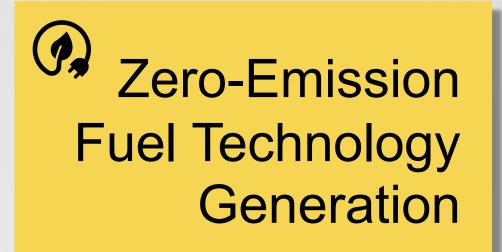


Emergency & **Temporary Power** Generators > 5MW









Import Energy & **Capacity Products**

ESSRRP investments

2022

Emergency & temporary natural gas resources for extreme events¹

Once-through cooling natural gas resources for extreme events²

Firm energy import contracts³

Temporary diesel generators⁴

120.0 MW

0 MW

3,349 MW (47% low- or GHG-free)

82.4 MW

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. <u>https://ww2.arb.ca.gov/our-work/programs/dgcert</u> ²Resource default is "off."

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

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



WATER RESOURCES

2023	2024
147.5 MW	Up to 291.0 MW
0 MW	2,859.3 MW
Forthcoming	
0	