

# 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



Zero-Emission  
Fuel Technology  
Generation



Energy storage  
 $\geq 20$  MW



Import Energy &  
Capacity Products





# ESSRRP investments

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

<sup>1</sup>Resource 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://ww2.arb.ca.gov/our-work/programs/dgcert>

<sup>2</sup>Resource default is "off."

<sup>3</sup>Authorization for firm energy imports up through October 31, 2023.

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

