

Electricity Supply Strategic Reliability Reserve Program Update

CEC Business Meeting, July 10, 2025



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Electricity Supply Strategic Reliability Reserve Program (ESSRRP) overview

- One part of the state's Strategic Reliability Reserve 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

- Water Code 80710(e)(2) mandates quarterly CEC Business meeting updates:
 - Investments made and under consideration
 - Requires attendance by CPUC and CAISO
- Twelfth update to the CEC, including DWR's investment plan
- Next update expected Q4 2025



Five (5) eligible types of projects



Extended
Operations of
Retiring Facilities



Emergency &
Temporary Power
Generators > 5MW



Zero-Emission
Fuel Technology
Generation



Energy storage
 ≥ 20 MW



Import Energy &
Capacity Products



Total Investments

	2022	2023	2024	2025
Emergency & temporary natural gas resources and contracts for extreme events ^{1, 2}	120 MW	148 MW	Up to 3,100 MW	3,079 MW
Firm energy import contracts ³	3,349 MW (47% low- or GHG-free)	3,391 MW (15% low- or GHG-free)	--	--
Temporary diesel generators ⁴	82.4 MW	0	--	--

¹Resource default is "off."

²Includes resources procured through the Governor's July 30, 2021, Emergency Proclamation, extended operations of retiring facilities, and low emitting resources based on similar technology that has achieved California Air Resources Board's Distributed Generation certification.

<https://ww2.arb.ca.gov/our-work/programs/dgcert>

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.

