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CALIFORNIA DEPARTMENT OF WATER RESOURCES

Update on Electricity Supply Strategic Reliability Reserve Program

CEC Summer Reliability Workshop, May 17, 2023



Delphine Hou, Deputy Director, Statewide Water and Energy

California Benefits from Electricity Supply Strategic Reliability Reserve Program (ESSRRP)

- Acts as insurance policy and safeguards the statewide electrical grid
- Provides additional energy reserves during extreme and combined events (*e.g.*, heat events, wildfires, and drought)
- Helps to avoid power shortages and outages for millions of Californians
- Supports California's transition to a clean energy future



DWR's Role

- Identify, prioritize and select new generation projects
- Develop/execute contracts and oversee engineering, procurement and construction of projects
- Implement state certification and environmental compliance
- Administer Electricity Supply Reliability Reserve Fund
- Coordinate with State agencies (CARB, CEC, CPUC, SWRCB, etc.) and CAISO



ESSRRP Update

	2022	2023	2024
Natural gas-fired resources ¹	120.0 MW	147.5 MW to 291.0 MW	3,150.3 MW
Diesel generators ²	82.4 MW	n/a	n/a
Firm energy import contracts ³	3,349 MW	n/a	n/a

¹Includes low emitting resources in 2023 based on similar technology that has achieved California Air Resources Board's Distributed Generation certification. <https://ww2.arb.ca.gov/our-work/programs/dgcert>

²This program was closed early in favor of lower emissions resources.

³Authorization for firm energy imports was only for summer 2022.

