

File # 220145
CleanPowerSF's Participation in
California Community Power's
Tumbleweed Project

March 16, 2022



Services of the San Francisco
Public Utilities Commission

CleanPowerSF



Summary

- In June 2021 the California Public Utilities Commission mandated that CleanPowerSF and other power providers procure Long-duration Energy Storage (LDS) resources.
- CleanPowerSF participated in a Request for Offers (RFO) for LDS resources as a member of California Community Power (CC Power).
- On Jan. 19th CC Power approved its first LDS project from a competitive solicitation, the Tumbleweed LDS project.
- CC Power member agencies, including CleanPowerSF, are now seeking approval from their governing bodies to participate in the Tumbleweed LDS project.

LDS Request for Offers Background & Timeline

June
'20

Joint CCAs issue a Request for Information to understand market opportunity

Oct
'20

Joint CCAs Issue a Request for Offers (RFO) for up to 500 MW of LDS

Feb
'21

California Community Power (CC Power) Formed/Long Duration Storage (LDS) Project Oversight Committee formalized

Jun
'21

LDS Projects Shortlisted, Negotiations start, and begin development of CC Power/Member Agreements

Jun
'21

CPUC Issues Mid-term Reliability Procurement Order – LDS Project Oversight Committee Develop Pathways to Achieve Compliance

Oct
'21 to
Feb
'22

CC Power and individual member agency approval process for LDS Project #1 – LS Power's Tumbleweed



CC Power LDS Project #1: Tumbleweed Project by LS Power

- Developer: LS Power/REV Renewables
- Product: 69 MW/552 MWh 8-hour discharge battery
- Location: Rosamond, Kern County, California
- Technology: Lithium-ion
- Labor: Project Labor Agreement or similar agreement required
- Wages: Prevailing wages required
- Commercial Operation Date: 6/1/26
- Proposed contract term: 15 years





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CCAs Participating in the Tumbleweed Project

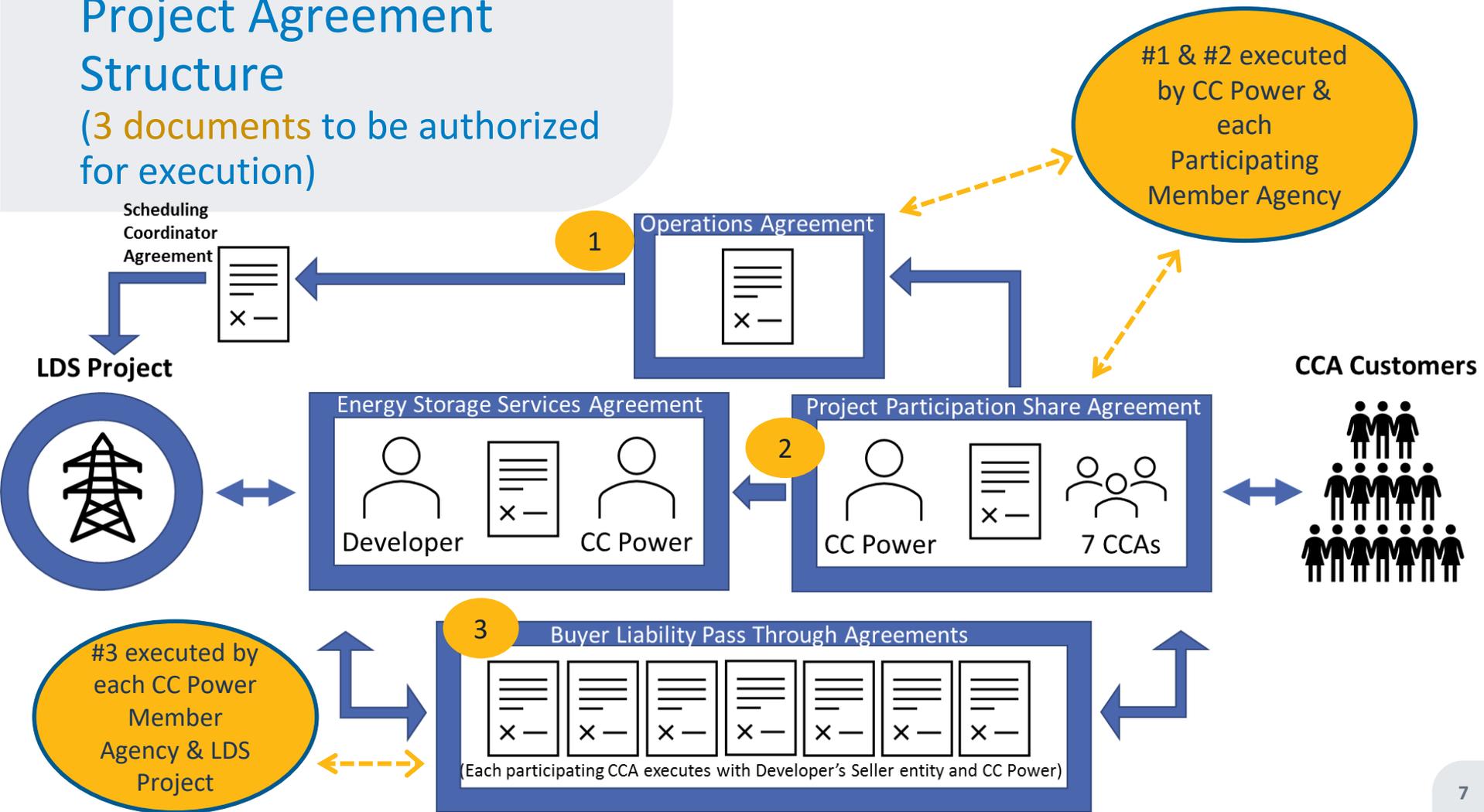


CleanPowerSF Ordered to Procure 15.5 MW of LDS Resources

- On June 24, 2021, CPUC issued Decision D.21-06-035 ordering retail sellers of electricity under its jurisdiction to procure 1,000 MW of new LDS resources.
- CleanPowerSF's share of the LDS order is 15.5 MW.
- Failure to comply with CPUC procurement order is expected to result in significant cost to CleanPowerSF.
- Tumbleweed project will meet about half of CleanPowerSF's LDS procurement obligation.
- CleanPowerSF will pursue additional projects through CC Power to meet CPUC order.

Project Agreement Structure

(3 documents to be authorized for execution)



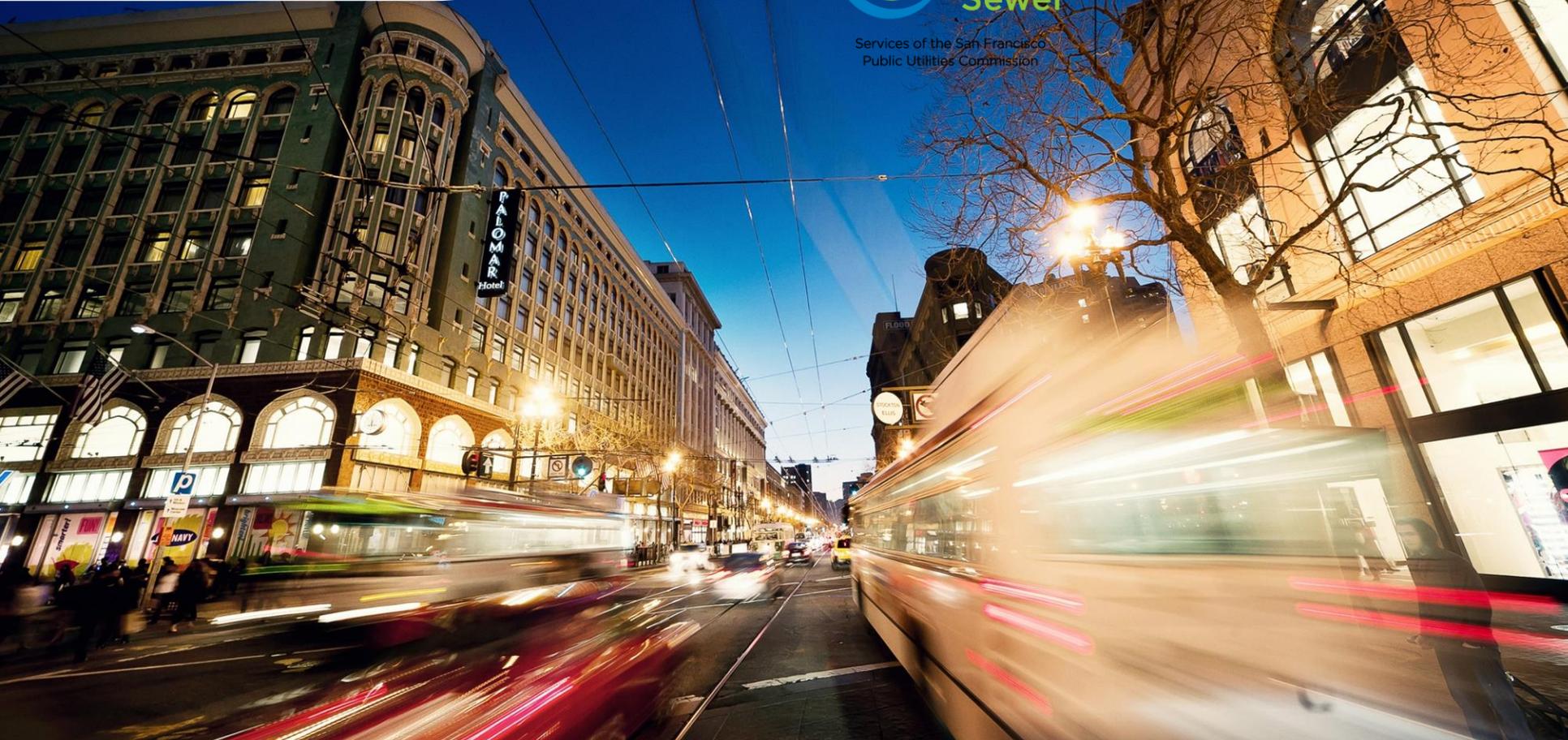
Questions?



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Background: California Community Power or “CC Power”

- Established in February 2021 to leverage the combined buying power of Community Choice Aggregators (CCAs) for energy supply, programs and services.
- CleanPowerSF became a member in April 2021.
 - Commission approved in Resolution No. 21-0023
 - Board approved in Ordinance No. 25-21
- CC Power conducts its business in open meetings – for more info visit: <https://cacommunitypower.org/meetings/>



Tumbleweed LDS Project Procurement in Context

CleanPowerSF has:

- 9 contracts with ≈ 658 MW of clean energy capacity under long-term contract of 10-years or more, today.
- Total annual power supply budget of \$200-250 million/year.

Tumbleweed LDS Project:

- Total not-to-exceed cost of \$65 million over a 15-year contract term.