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Progress on Improving Interconnection Process and Continued Challenges

Integrated Energy Policy Report (IEPR) Workshop

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Power System Overview

LADWP is the nation's largest municipal electric utility. In fiscal year 2020-21, we supplied 20,936 gigawatt-hours (GWh) to more than 1.55 million residential and business customers, as well as more than 5,100 customers in the Owens Valley.

We maintain a diverse and vertically integrated power generation, transmission and distribution system that spans five Western states, and delivers electricity to more than 4 million people.



4 million residents
in our service territory



300,884 distribution utility poles
130,703 distribution transformers
7,266 miles of overhead distribution lines
3,801 miles of underground distribution cables



4,040 miles of overhead transmission circuits
135 miles of underground transmission circuits
Transmission circuits spanning **5 Western states**



8,101 MW Net dependable generation capacity
6,502 MW Record instantaneous peak demand



55% Clean Power
37% Renewables

*Preliminary and unaudited values; submitted to the California Energy Commission for calendar year 2021

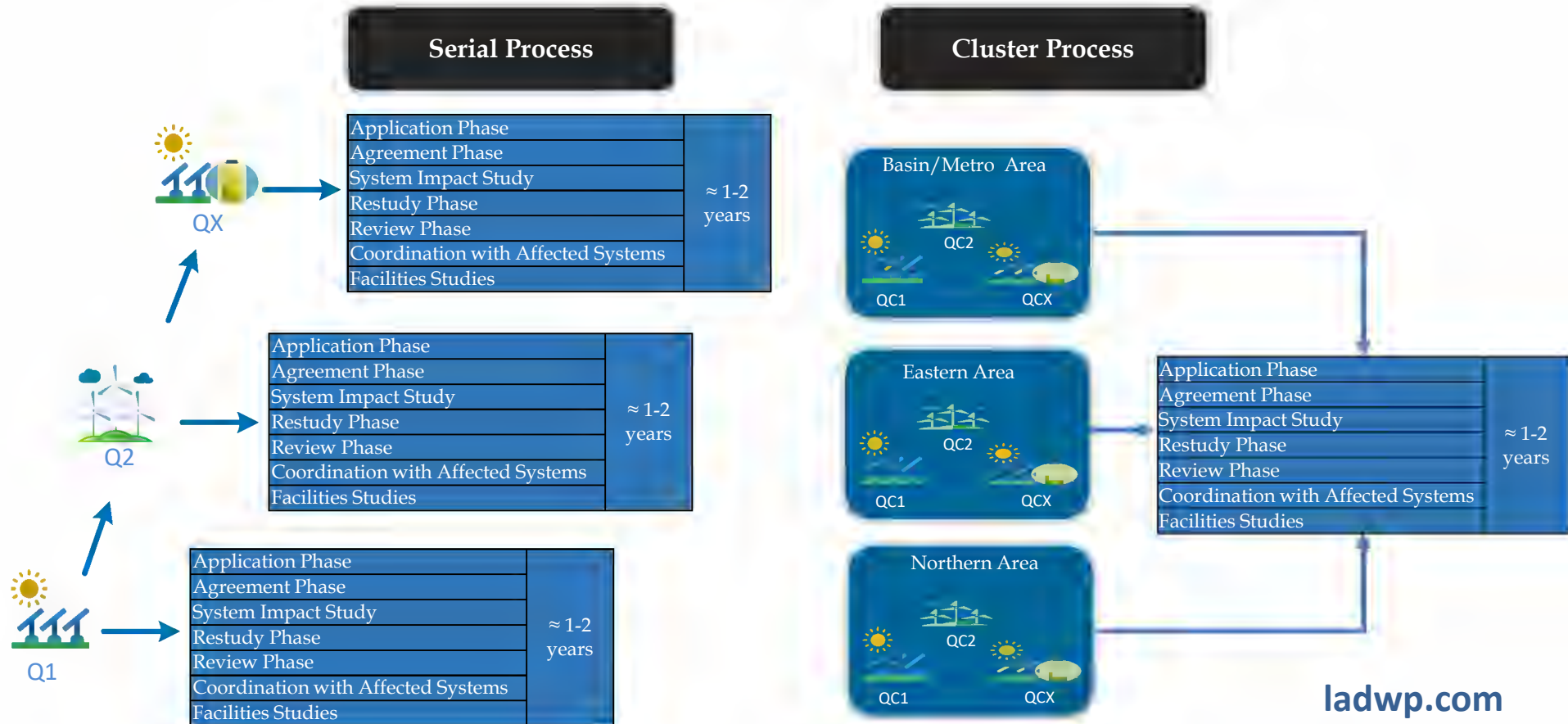
Generator Interconnection Challenges

Serial Process

- ☐ Queue congestion
- ☐ Extended study period
- ☐ Project models and technology changes
- ☐ Queue withdrawals
- ☐ Cascading restudies
- ☐ Staffing requirements
- ☐ Customer readiness
- ☐ Extended transmission upgrade timeline



LADWP Plans to Transition from Serial to Cluster



Generator Interconnection Benefits

Cluster Process



To improve efficiency and transparency, LADWP is implementing a new cluster study framework with the following key features:

- ☐ Unified cluster window
- ☐ “First-Ready, First-Served” prioritization
- ☐ Enhanced readiness requirements
- ☐ Informational studies
- ☐ Withdrawal penalties

Generator Interconnection Challenges

Cluster Process

- ☐ Timeline compliance pressure
- ☐ Internal capacity constraints
- ☐ Restudy risks
- ☐ Governance and oversight
- ☐ Regulatory alignment
- ☐ Transmission upgrade timelines



Helpful Links

- OASIS Site:

<http://www.oasis.oati.com/LDWP/>

- Tariff:

http://www.oasis.oati.com/woa/docs/LDWP/LDWPdocs/2022_04_01_APPENDIX_B_-_CLEAN_OATT.pdf

- OASIS Queues Posting:

https://www.oasis.oati.com/woa/docs/LDWP/LDWPdocs/LADWP_InterconnectionRequests.xlsx