

LS POWER GRID

IEP Annual Meeting

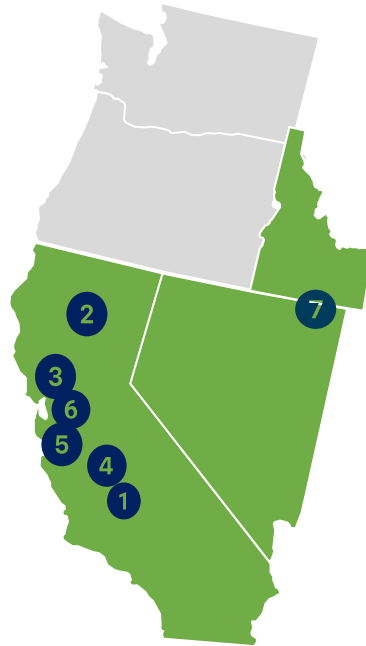


September 23-25, 2024

LS Power Grid Projects

CAISO Projects Under Development

- 1 Orchard Substation**
 500 kV Substation
 Dynamic Reactive Support Project
Anticipated in service date: 2025
- 2 Fern Road Substation**
 500 kV Substation
 Dynamic Reactive Support Project
Anticipated in service date: 2025
- 3 Collinsville**
 Est. 6 miles, 230 kV line
 500/230 kV Substation
Anticipated in service date: 2028
- 4 Manning**
 Est. 12 miles, 230 kV line
 500/230 kV Substation
Anticipated in-service date: 2028
- 5 Power Santa Clara Valley**
 Est. 14 miles, ±320 kV DC line/
 500 kV line, HVDC terminals
Anticipated in-service date: 2028
- 6 Power the South Bay**
 Est. 12 miles, ±320 kV DC line/
 230 kV line, HVDC terminals
Anticipated in service date: 2028
- 7 Southwest Intertie Project – North (SWIP-N)**
 Est. 285 miles, 500 kV line
Anticipated in service date: 2027



Cost Containment Track Record

ISO/RTO Awarded Projects Completed by LSPG	Completed on Schedule	Completed within Cost Commitment
Great Basin Transmission South (One Nevada or ON Line)	<i>Not in an ISO/RTO</i>	
Cross Texas Transmission (CREZ)	✓	Awarded pre-2011, lowest \$/mile of CREZ
Cross Texas Transmission (Limestone to Gibbons Creek)	✓	Partnership with Garland, cost below budget
Silver Run Electric (Artificial Island)	✓	✓
DesertLink (Harry Allen to Eldorado)	✓	✓
Republic Transmission (Duff to Coleman)	✓	✓
LS Power Grid New York (Central East Energy Connect)	✓	✓

2021-2022 TPP Projects Overview

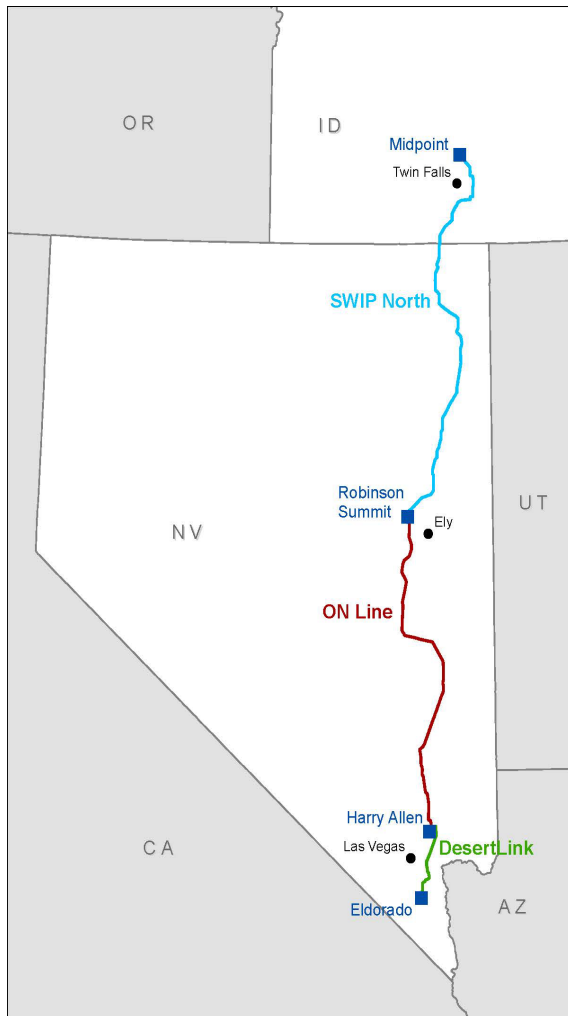
Manning, Collinsville, Metcalf, Newark

- 2021-2022 Transmission Plan identified four projects
 - CAISO selected LS Power Grid California for all four through competitive process
- Schedules are similar for each project



- **Manning and Collinsville**
 - Policy-driven projects to support California’s RPS goals
 - 27 interconnection requests, totaling more than 20 GW, preliminarily submitted by renewables developers with more anticipated
- **Power the Bay HVDC Projects**
 - Reliability-driven projects to address CAISO-identified reliability violations resulting from load growth
 - San Jose and Silicon Valley area projected to experience significant demand growth in the coming decade and beyond

Southwest Intertie Project (SWIP)



Phase I - ON Line (Robinson to Harry Allen) – Operating

- Placed into service in January 2014

Phase II - DesertLink (Harry Allen to Eldorado) – Operating

- Placed into service in August 2020

Phase III - SWIP North (Midpoint to Robinson) – Planned

- CAISO conditionally approved in December 2023
- If four conditions are met, construction is planned to begin in Q3 2025, with an in-service date by the end of 2027
- U.S. Department of Energy Participation
- DOE's role will be to “backstop” the 500 MW northbound position being sought by Idaho Power