



Current and Future Projects Overview

March 2025



LS Power - CPUC Quarterly Meeting (Q1 2025)

Agenda

- **Introductions**
- **Project Updates**
- **Prior Commission Filings**
 - Orchard STATCOM Substation (Gates)
 - Fern Road STATCOM Substation (Round Mountain)
- **Current Commission Filings**
 - Power Santa Clara Valley HVDC (Metcalf-San Jose B)
 - Power the South Bay (Newark-NRS)
 - Manning Substation
 - Collinsville Substation
- **Potential / Future Commission Filings**
 - Pending CAISO TPPs
- **Next Steps**

Prior Commission Filings

Gates (Orchard) and Round Mountain (Fern Road)

- 2018-2019 Transmission Plan identified two reliability-driven projects for competitive solicitation
 - Gates 500 kV Dynamic Reactive Support Project (Orchard Substation) Round Mountain 500 kV Area Dynamic Reactive Support Project (Fern Road Substation)

| | Orchard Substation A.21-02-018 | Fern Road Substation A.22-04-004 |
|------------|-----------------------------------|---------------------------------------|
| PTC Filed | February 19, 2021 | April 6, 2022 |
| PTC Issued | December 22, 2022 | January 23, 2024 |
| In-Service | March 12, 2025 | Expected 4 th Quarter 2025 |



Current Commission Filings

Metcalfe, Newark, Manning, Collinsville

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

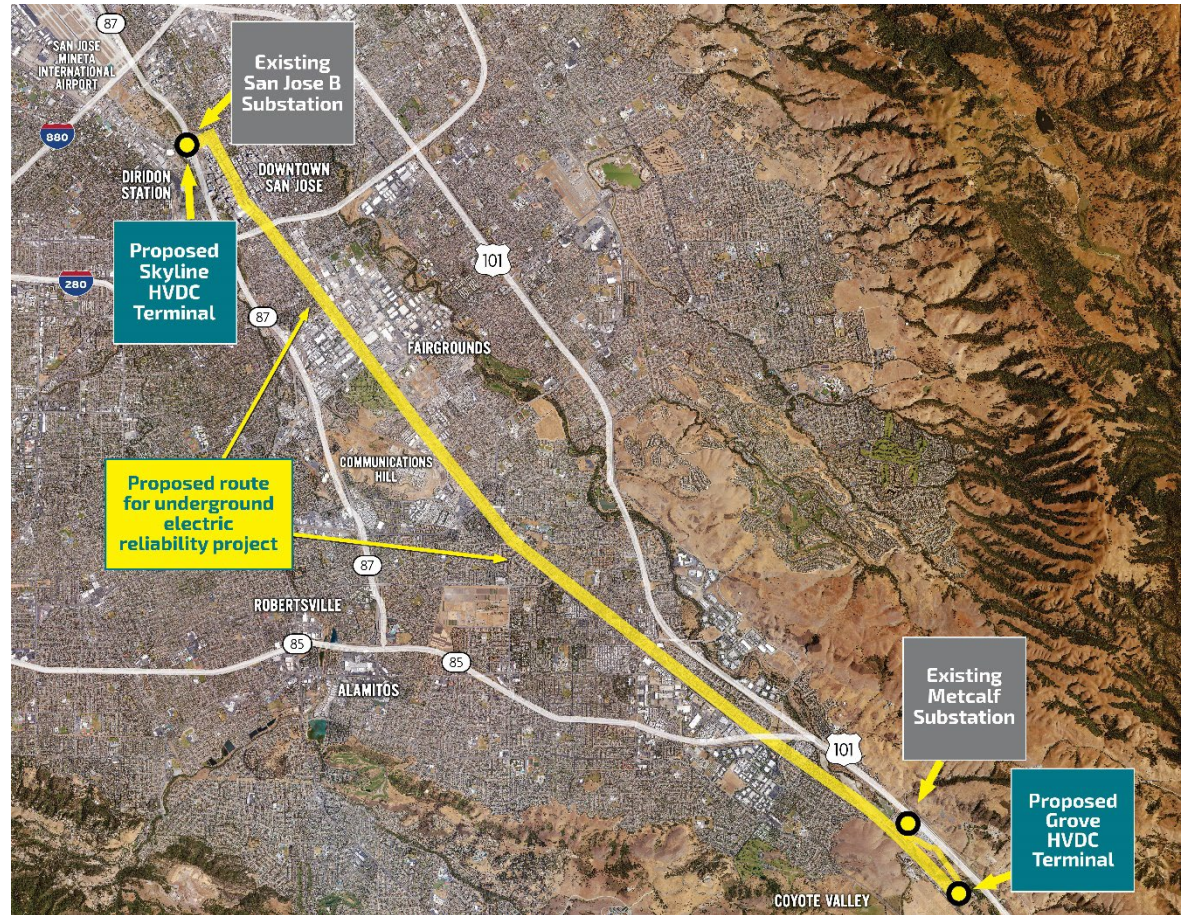


- **Power the Bay Projects**
 - Reliability-driven projects to address CAISO-identified reliability violations resulting from load growth
- **Manning and Collinsville**
 - Policy-driven projects to support reliability improvements and additional power generation

Power Santa Clara Valley HVDC Project

Reliability-driven project to support load growth

- Located in San Jose, Santa Clara County
- Two new HVDC terminals
- ~13-mile underground 320 kV HVDC transmission line
- ~1.2-mile underground 500 kV AC transmission line
- ~100 foot overhead 230 kV line
- Early 2026 construction start
- Construction is anticipated to last ~24 months



Power Santa Clara Valley HVDC Project

A.24-04-017 Project Milestones and Updates

| Milestone | Date |
|---|--|
| CPCN Application Submitted | April 29, 2024 |
| CPCN Application Deemed Complete | June 27, 2024 |
| CEQA Notice of Preparation and Scoping | September 6, 2024 - October 7, 2024 |
| CAISO Board of Governors Modification Decision | November 12, 2024 |
| Amended CPCN Application Submitted | March 7, 2025 |
| Publication of Draft EIR | 3rd Quarter 2025* |
| Publication of Final EIR | 4th Quarter 2025* |
| CPUC Certification of Final EIR and CPUC Decision | 1st Quarter 2026* Requested no later than December 31, 2025 |
| Notice to Proceed | 1st Quarter 2026 |
| Construction Start | 1st Quarter 2026 |
| Original Planned In-service Date | June 1, 2028 |
| Current Projected In-service Date | June 1, 2028 |
| Reason for In-service Date Change | N/A |

* From CPUC website's Project milestone schedule

Power the South Bay 230 kV Line Project

Reliability-driven project to support load growth

- Located in Fremont, Milpitas, San Jose, and Santa Clara in Santa Clara and Alameda Counties
- ~12-mile 230 kV HVAC transmission line connecting PG&E's Newark substation to SVP's NRS substation:
 - ~10-miles underground mainly in City streets
 - ~ 2-miles overhead at the Regional Wastewater Facility in San Jose and at PG&E's Newark Substation
- Quarter 1 2026 construction start
- Construction is anticipated to last ~24 months



Power the South Bay 230 kV Line Project

Project Milestones and Updates

| Milestone | Date |
|---|--|
| CPCN Application Submitted | May 17, 2024 |
| CPCN Application Deemed Complete | June 13, 2024 |
| Notice of Preparation and Scoping | July 29-August 30, 2024 |
| CAISO Board of Governors Modification Decision | November 12, 2024 |
| Amended CPCN Application Submitted | February 28, 2025 |
| Publication of Draft EIR | 2nd Quarter 2025* |
| Publication of Final EIR | 4th Quarter 2025* |
| CPUC Certification of Final EIR and CPUC Decision | 1st Quarter 2026* Requested no later than December 31, 2025 |
| Notice to Proceed | January 2026 |
| Construction Start | January 2026 |
| Original Planned In-Service Date | June 1, 2028 |
| Current Projected In-Service Date | June 1, 2028 |
| Reason for In-service Date Change | N/A |

* From CPUC website's Project milestone schedule

Manning 500/230kV Substation Project

Policy-driven project to support renewables

- Located in western Fresno County
- One new 500/230 kV Substation
- ~12-mile overhead double circuit 230kV transmission line
- Q2 2026 construction start
- Construction is anticipated to last ~27 months



Manning 500/230kV Substation Project

A.24-06-017 Project Milestones and Updates

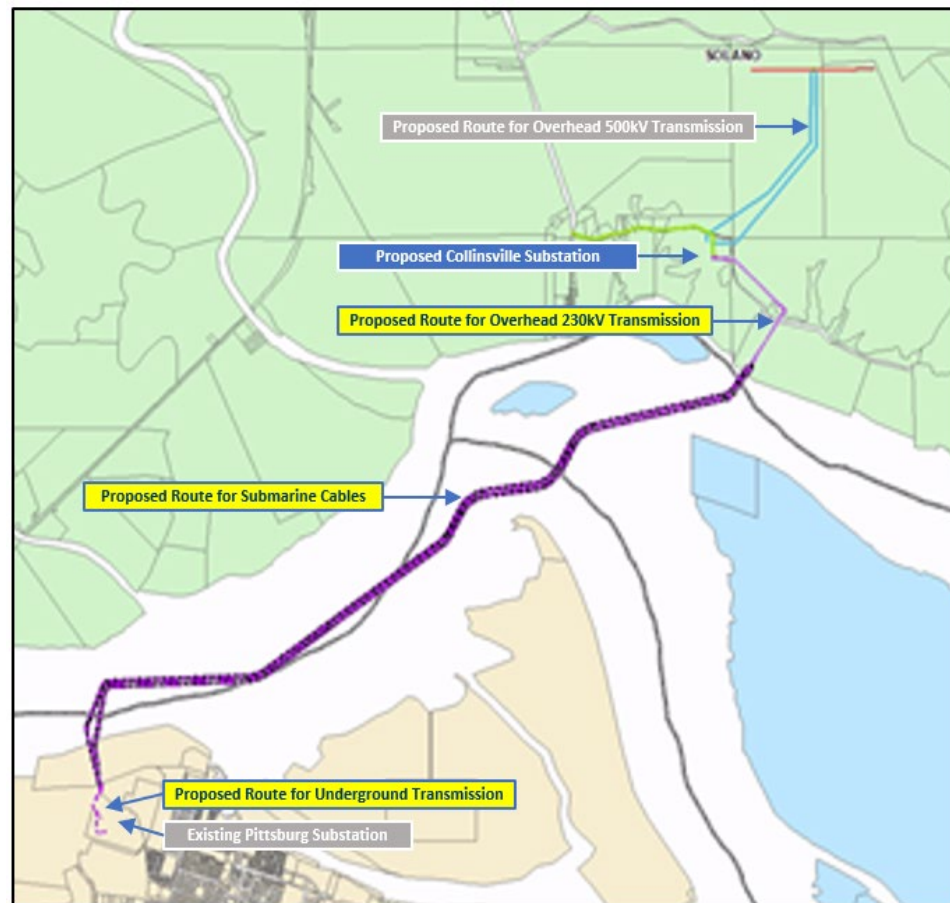
| Milestone | Date |
|--|-----------------------------------|
| CPCN Application Submitted | June 28, 2024 |
| CPCN Application Deemed Complete | July 24, 2024 |
| Publication of Draft IS/MND | March 19, 2025 |
| Publication of Final IS/MND | *Spring 2025 |
| CPUC Certification of Final IS/MND and CPUC Decision | *Anticipated Late 2025/Early 2026 |
| Notice to Proceed | 2nd Quarter 2026 |
| Construction Start | 2nd Quarter 2026 |
| Original Planned In-Service Date | June 1, 2028 |
| Current Projected In-Service Date | June 1, 2028 |
| Reason for In-service Date Change | N/A |

* From CPUC website's Project milestone schedule

Collinsville 500/230kV Substation Project

Policy-driven project to support reliability improvements and additional power generation

- Located in Solano, Contra Costa, and Sacramento Counties
- A new 500/230 kV Substation
- ~1-mile overhead 230 kV transmission line
- ~4.5 miles 230 kV submarine cable
- ~1-mile underground 230 kV line
- Early 2026 construction start
- Construction is anticipated to last ~24 months



Collinsville 500/230kV Substation Project

Project Milestones and Updates

| Milestone | Date |
|---|-------------------------------------|
| CPCN Application Submitted | July 29, 2024 |
| CPCN Application Deemed Complete | December 11, 2024 |
| Notice of Preparation and Scoping | January 7 – January 21, 2025 |
| Publication of Draft EIR | TBD |
| Publication of Final EIR | TBD |
| CPUC Certification of Final EIR and CPUC Decision | TBD |
| Notice to Proceed | 1st Quarter 2026 |
| Construction Start | 1st Quarter 2026 |
| Original Planned In-Service Date | June 1, 2028 |
| Current Projected In-Service Date | June 1, 2028 |
| Reason for In-service Date Change | N/A |

Potential / Future Commission Filings

- 2023-2024 TPP Competitive Projects
 - Current projects out for competitive solicitation include Humboldt to Fern Road 500 kV Lines and Humboldt to Collinsville 500 kV Lines
 - CAISO award planned for April and May 2025
 - If LSPGC is selected by CAISO, CPCN filings anticipated in 2026
 - LSPGC anticipates interconnection related work at the Fern Road and Collinsville substations regardless of which project sponsor(s) CAISO selects
- 2024-2025 TPP Competitive Projects
 - TPP to be approved in May 2025
 - LSPGC may bid on projects submitted by CAISO for competitive solicitation

Next Steps

Coordination to Drive Success

- Coordinate for the CPCN proceeding to run currently with the CEQA process
- Maintain momentum through the continuation of bi-weekly calls among CPUC Project Managers and third party CEQA firms
- LS Power Grid California prepared to be responsive to data requests and accommodate discussions as they arise
- CPUC to provide and update detailed CEQA milestone schedules
- LSPGC conducting additional outreach to State officials

