

# Fact Sheet

## Collinsville 500/230 kilovolt Substation Project

Solano, Sacramento, and Contra Costa Counties, California



LS Power Grid California, LLC (LSPGC) is proposing to construct and operate the Collinsville 500/230 Kilovolt (kV) Substation Project (Proposed Project) located in Solano, Sacramento, and Contra Costa counties (Figure 1). The Project is subject to review under the California Environmental Quality Act (CEQA). As the lead agency under CEQA, the California Public Utilities Commission (CPUC) will prepare an Environmental Impact Report (EIR).

### Proposed Project

The California Independent System Operators (CAISO) 2021-2022 Transmission Plan identified the Proposed Project as a needed upgrade to the California electric grid. The main components of the Proposed Project include the following (see Figures 1 through 3 attached):

- Constructing a new 500/230 kV substation (“Collinsville Substation”). The proposed substation site is located adjacent to Stratton Lane approximately 0.8-mile northeast of the unincorporated community of Collinsville.
- Constructing two self-supporting segments of new 500 kV conductor and structures roughly parallel along the approximately 1.2-mile interconnection route (or “loop”) between the proposed LSPGC Collinsville Substation and Pacific Gas and Electric Company’s (PG&E) existing Vaca Dixon-Tesla 500 kV Transmission Line, resulting in the addition of approximately 2.4 miles of new 500 kV transmission lines.
- Constructing a new approximately 6-mile-long, double-circuit 230 kV transmission line that would connect the proposed LSPGC Collinsville Substation to PG&E’s existing Pittsburg Substation, with approximately 4.5 miles of submarine cables running beneath the Sacramento-San Joaquin River Delta waterways. The submarine cables would be buried to a depth of approximately 6 to 15 feet below the sediment surface between an in-river transition structure just off the northern shore of the Sacramento River and an underground utility vault on the southern shore of the Sacramento River near the Pittsburg Substation.
- Extending and connecting an existing PG&E 12 kV distribution line to the proposed substation (approximately 0.9 mile long and parallel to Stratton Lane).
- Constructing new telecommunications paths collocated with the new transmission lines, a new microwave tower immediately adjacent to the proposed substation, and a new fiber optic path between existing fiber in the City of Pittsburg and the proposed Collinsville Substation (approximately 1.2 miles).
- Modifying PG&E’s existing Pittsburg, Vaca Dixon, and Tesla substations to support the proposed substation interconnection. All PG&E substation modifications would occur within the existing substation footprints.

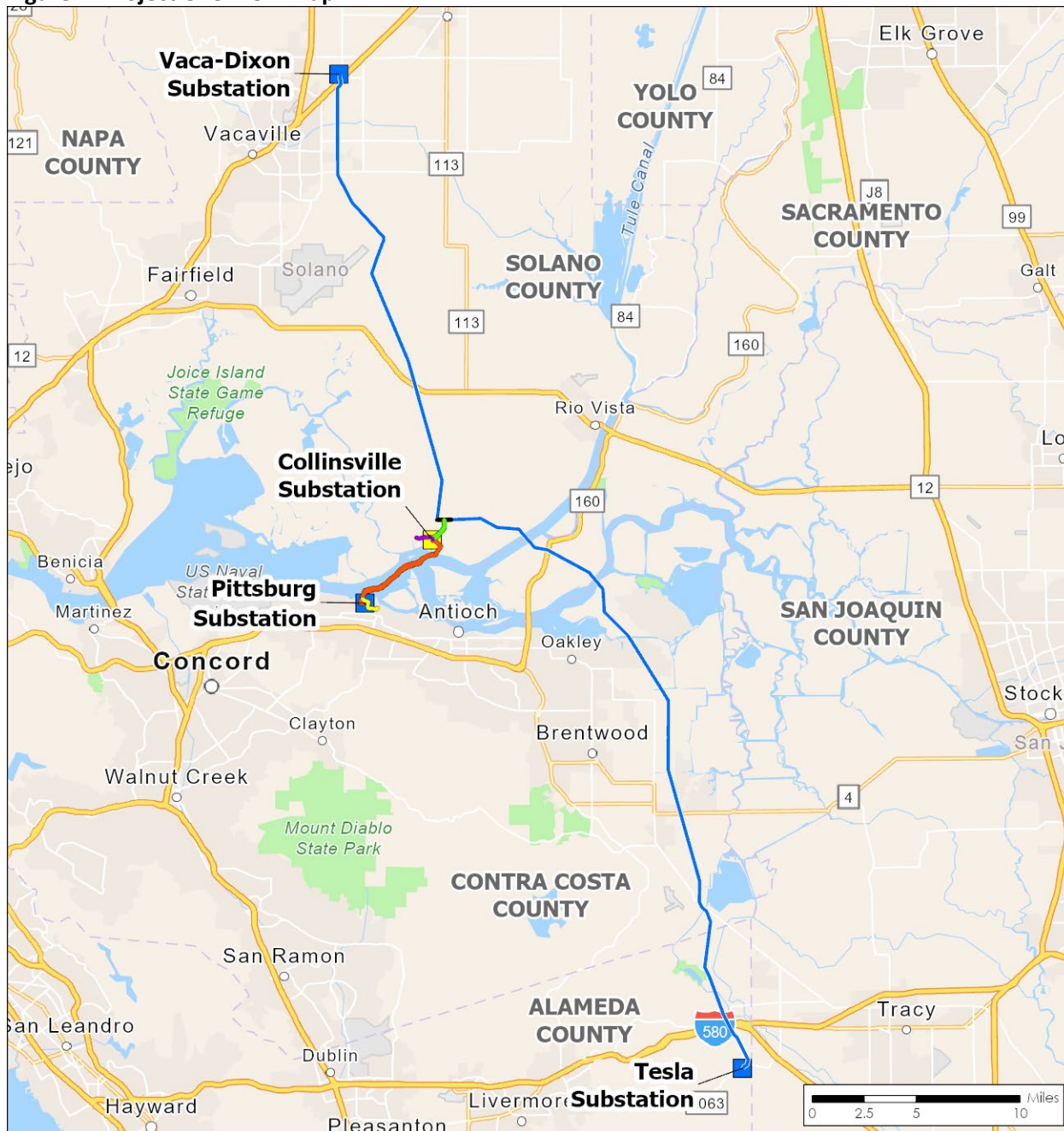
The proposed substation and 230 kV transmission line would be constructed by LSPGC. PG&E would construct the 500 kV transmission interconnection, 12 kV distribution line, and microwave tower, and modify their existing substations. Construction is proposed to begin in early 2026 and would take approximately 24 months to complete. The project’s proposed in-service date is June 1, 2028, per the CAISO’s technical specifications.

For more information about the project and the CEQA review process visit the CPUC’s project website:

<https://ia.cpuc.ca.gov/environment/info/panoramaenv/collinsville/index.html>

Or email the CPUC project team: [collinsville@panoramaenv.com](mailto:collinsville@panoramaenv.com)

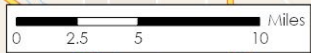
**Figure 1: Project Overview Map**



**Legend**

Scale = 1:500,000  
Created: 12/9/2024

- Proposed PG&E 500 kV Line (Overhead)
- Proposed LSPGC 230 kV Line (Overhead, Submarine, and Underground)
- Proposed PG&E 12 kV Line (Overhead)
- Proposed Telecommunication Path (Underground)
- Existing PG&E 500 kV Vaca-Dixon Line (Overhead)
- Existing PG&E Substation
- Proposed LSPGC Substation



**Figure 2: Project Layout Map**



**Legend**

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Created: 12/9/2024

- Existing PG&E 500 kV Vaca-Dixon Line
- Proposed PG&E 500 kV Line (Overhead)
- Proposed LSPGC 230 kV Line (Overhead)
- Proposed LSPGC 230 kV Line (Submarine)
- Proposed LSPGC 230 kV Line (Underground)
- Proposed PG&E 12 kV Line (Overhead)
- Proposed Telecommunication Path (Underground)

- Proposed LSPGC Substation
- Existing PG&E Substation

