

Fact Sheet

Collinsville 500/230 kilovolt Substation Project

Solano, Sacramento, Contra Costa, and Alameda 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, Contra Costa and Alameda 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 and 2 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 2.5 miles of new 500 kV transmission lines. In addition, PG&E would install and/or modify transposition structures at four locations along PG&E’s existing Vaca Dixon-Tesla 500 kV Transmission Line.
- 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; approximately 1.0 mile would be installed overhead, approximately 4.5 miles would be installed beneath the Sacramento-San Joaquin River Delta waterways (6 to 15 feet below the sediment surface), and approximately 0.6 mile would be installed underground.
- 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 telecommunication lines collocated with the new 230 kV transmission line and extending into the City of Pittsburg (approximately 1.2 miles) and constructing a new microwave tower immediately adjacent to the proposed substation.
- 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

Figure 1: Project Overview Map

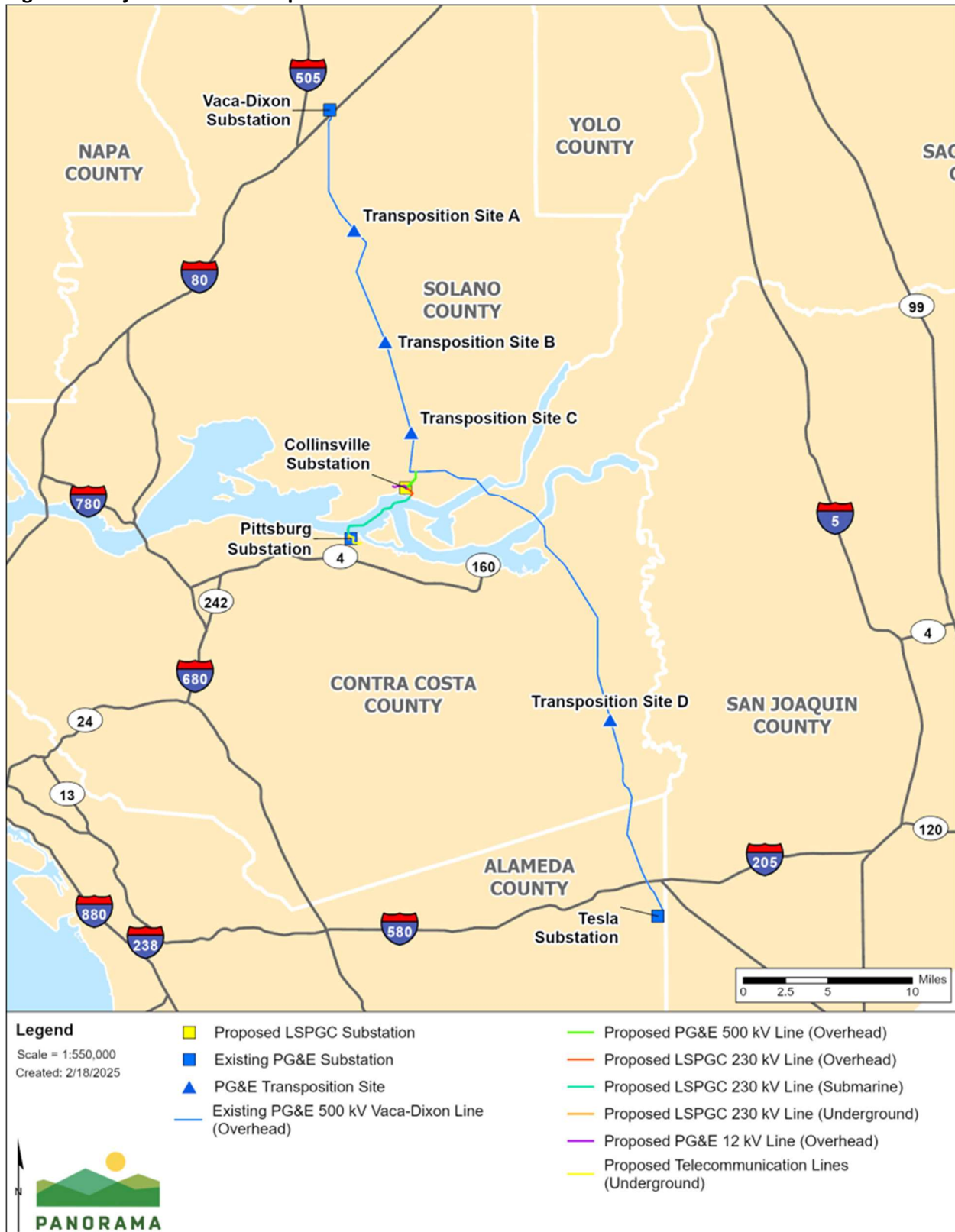









Figure 2: Project Layout Map



Legend

Scale = 1:50,000
Created: 2/18/2025

-  Substation
-  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)

