



Fern Road Substation

Providing critical reliability, eliminating chronic high voltage issues, and addressing voltage variability in Northern California

LS Power Grid California is an electric transmission utility in the state of California that owns and operates transmission lines and substations to support the California ISO (CAISO).

50+

Estimated construction jobs created

500+ MVAR

Dynamic reactive power support from STATCOM installation

\$5+ Million

Property taxes paid by LS Power Grid California since 2023

Project Award

In 2020, CAISO selected LS Power Grid California as the project sponsor for the Fern Road Substation Project after a competitive solicitation process. The CAISO selection report stated that LS Power Grid California's proposal provided **"lower cost, greater rate certainty, and less cost risk than the proposals of the other project sponsors."**

Assets

- 500+ MVAR static synchronous compensator (STATCOM) device installed in two equally-sized blocks, each independently connected to Pacific Gas & Electric's Round Mountain-to-Table Mountain 500 kV transmission lines



"LS Power's proposal for the Round Mountain project, together with the selection of LS Power's proposal for the Gates transmission project... is expected to save California consumers hundreds of millions of dollars."

– Paul Thessen, President, LS Power Development

LS Power Grid California: Fern Road Substation

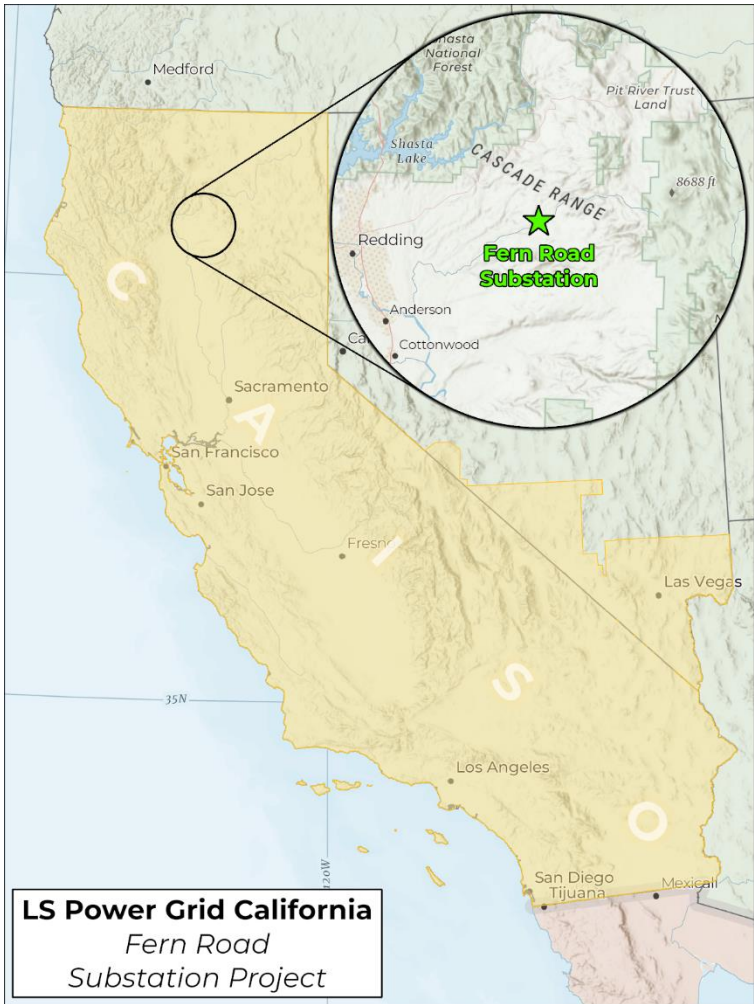
Project Highlights

Competitive Cost to Build

LS Power Grid California included strong cost commitment guarantees for the project, including a cap on construction cost and annual revenue, which will reduce future rate uncertainty and deliver long-term savings to electricity consumers.

Regional Development

The Fern Road Substation Project represents one of seven transmission projects competitively awarded to LS Power Grid California by CAISO.



Geographic location of the Fern Road Substation within CAISO’s footprint



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