



COLUSA-SUTTER
TRANSMISSION LINE
Delivering Clean Power

Proposed Colusa-Sutter Transmission Line Project

Welcome to the
**Colusa-Sutter (CoSu)
Transmission Line Project**
Public Scoping Meeting

PLEASE SIGN IN





CoSu Line Public Scoping Meeting Schedule

January 12, 2016
4:00–7:00 p.m.

Colusa Casino-Resort
Community Room
3770 California 45, Colusa, CA

January 13, 2016
8:00–11:00 a.m.

Colusa Casino-Resort
Community Room
3770 California 45, Colusa, CA

January 13, 2016
4:00–7:00 p.m.

Sutter Youth Organization Center
Ellwood Munger Hall
7740 Butte House Road, Sutter, CA

January 14, 2016
8:00–11:00 a.m.

Sutter Youth Organization Center
Ellwood Munger Hall
7740 Butte House Road, Sutter, CA

February 2, 2016
4:00–7:00 p.m.

Arbuckle Fire Hall
506 Lucas Street, Arbuckle, CA

February 4, 2016
6:00–9:00 p.m.

Central Gaither School
Cafeteria/Multipurpose Room
8403 Bailey Road, Yuba City, CA

Project Purpose and Need

Western and SMUD are studying a proposed new 500-kilovolt transmission line, the CoSu Line, within Colusa and Sutter counties.

Purpose and Need:

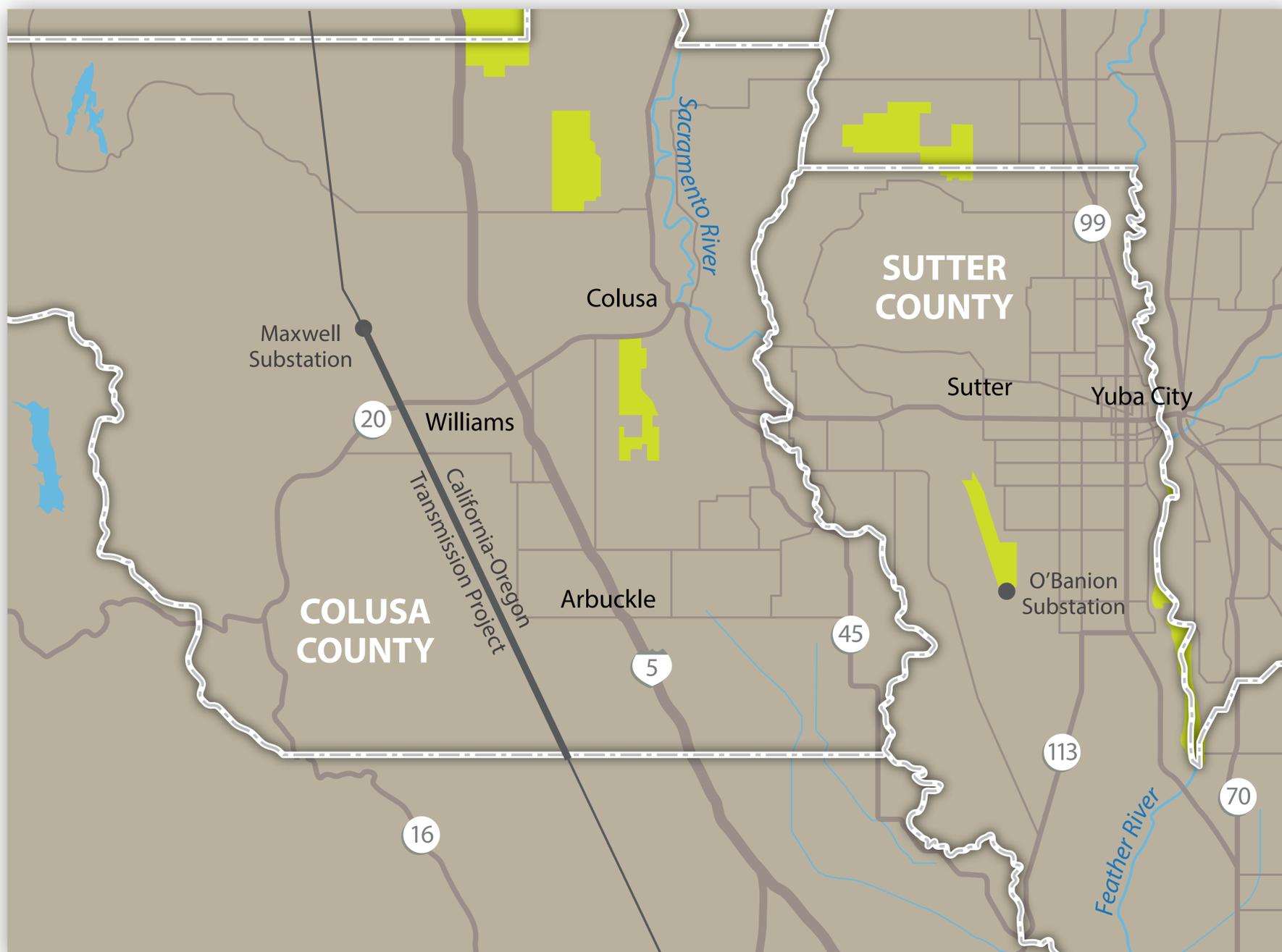
The purpose of the CoSu Line is to enable and enhance SMUD's access to regional markets for both the import and export of energy, including additional renewable and low-carbon energy from the Pacific Northwest and in the greater Sacramento Valley by interconnecting the California-Oregon Transmission Project (COTP) line with SMUD's transmission system.

The CoSu Line is needed because:

- ▶ It would meet Western's obligation to respond to SMUD's transmission service request under Western's Open Access Transmission Tariff while providing new capacity for the benefit of all Western customers.
- ▶ It would provide a new transmission path between SMUD and the COTP.
- ▶ It would give SMUD 172 MW more than its existing COTP rights, which could be used for acquiring additional COTP capacity and/or importing from renewable generation plants in the greater Sacramento Valley.
- ▶ It would provide greater access to renewable power, which would allow SMUD to reduce its carbon emissions and help the region meet the State's aggressive carbon reduction mandates.
- ▶ It would allow SMUD more flexible use of its transmission rights to the Pacific Northwest, to both import and export energy, including the use of dynamic schedules to import intermittent renewable resources or for participation in newly developing markets for flexible energy transfers.
- ▶ It would provide increased system reliability and capacity throughout the region, including Western's Central Valley Project (CVP) transmission system.
- ▶ It would delay Western's costly CVP facility upgrades.

Project Information

The CoSu Line would provide SMUD with a new connection to the existing California-Oregon Transmission Project (COTP) line in Colusa County by linking it to a proposed new substation near the existing O'Banion Substation in Sutter County, and potential modifications to SMUD's existing Elverta Substation in Sacramento County.



Agency Information



Western Area Power Administration

Western annually markets and transmits more than 25,000 gigawatt-hours of clean, renewable power from 56 hydroelectric powerplants owned and operated by the Bureau of Reclamation and U.S. Army Corps of Engineers in 15 central and western states, including California. Western also owns, operates and maintains a more than 17,000 circuit-mile, high-voltage transmission system in its service territory. It is part of the Department of Energy.



Sacramento Municipal Utility District

SMUD is a community owned and not-for-profit electricity service serving Sacramento County and a portion of Placer County for more than six decades. We believe in providing reliable electricity at affordable rates.

We are taking steps to curtail our reliance on carbon-based fuels and meet state mandates to reduce greenhouse gas emissions. Our goal is a balanced and sustainable energy mix that benefits the region at large.

SMUD owns and operates an integrated electric system that includes transmission, distribution and generation facilities.

We are a member of the Transmission Agency of Northern California, which holds entitlements to obtain energy through the COTP. We have also used long-term service agreements with Western.

The NEPA and CEQA Process

NEPA

The National Environmental Policy Act (NEPA) is a federal law enacted to ensure a proposed activity's potential effects on both the natural and built environments are analyzed and disclosed to the public. Additionally, analysis of the activity's alternatives and development of mitigation measures to reduce effects are required. This information is presented in an **Environmental Impact Statement (EIS)**.

CEQA

The State of California, under the California Environmental Quality Act (CEQA), requires disclosure of environmental impacts in an **Environmental Impact Report (EIR)**.

A joint **EIS/EIR** is prepared when there is both Federal and state or local agency interest in an activity, and/or when a state or local agency needs permission to perform an action under Federal jurisdiction. Western and SMUD are preparing a joint **EIS/EIR** to analyze the potential environmental effects of the CoSu Line. Western is the lead agency under NEPA and SMUD is the lead agency under CEQA.

The Scoping Process

Scoping is a process used to inform the public of a proposed activity. It provides the public an opportunity to comment and share insight and local information related to the project corridor study areas currently being considered and issues of concern related to the proposed activity.

We welcome your comments!

The comments received during the public scoping period will be used in a few ways:

- to inform the development of alternatives;
- to define the environment and resources potentially affected by the alternatives; and
- to analyze the effects resulting from the alternatives.

Note: The affected environment broadly includes physical, biological, and social and economic topic areas. Effects are identified and analyzed for project construction and long-term operations and maintenance.

comments@cosuline.com

Environmental Review Timeline



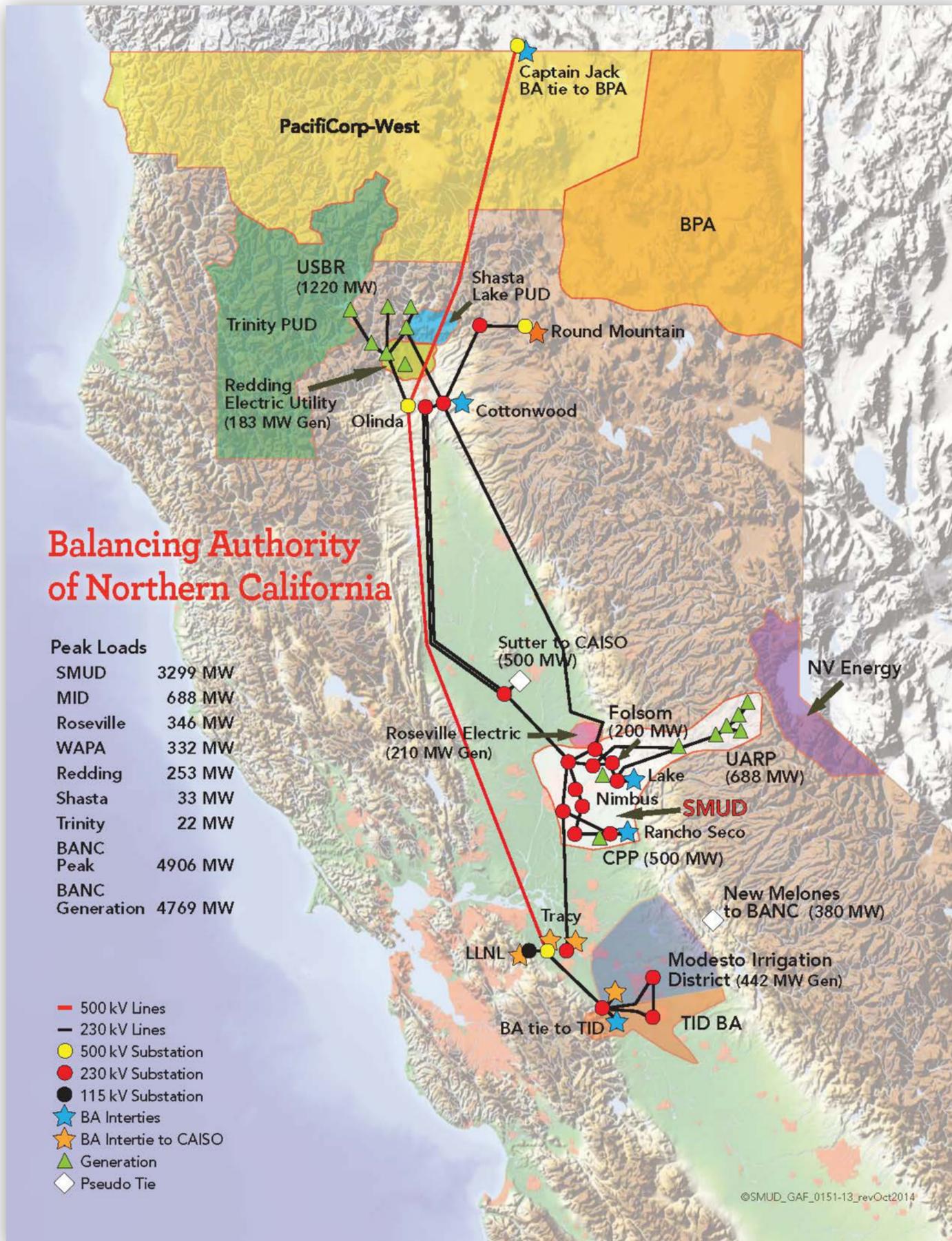
* Environmental Impact Statement/Environmental Impact Report

Environmental Resources

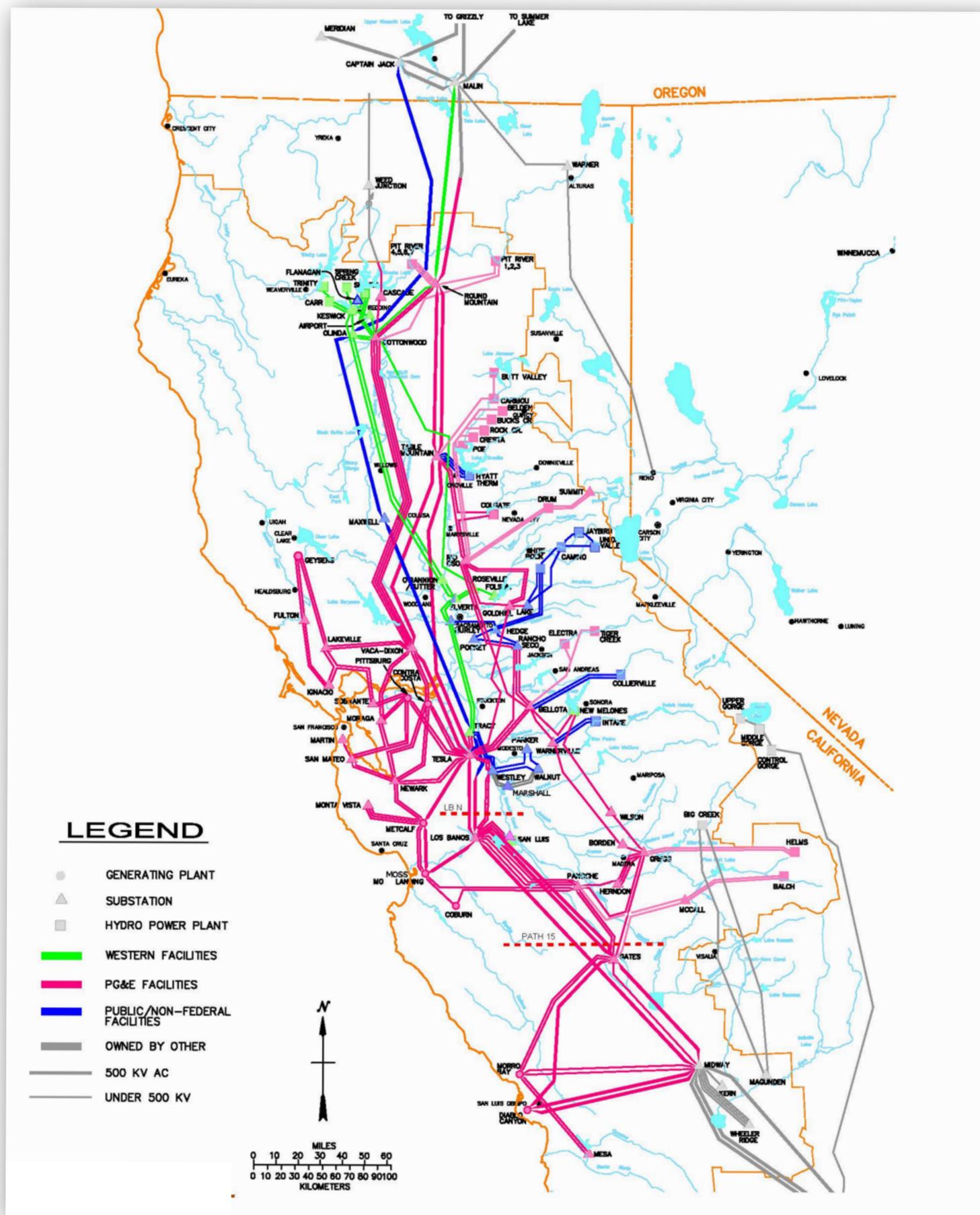
Implementation of the CoSu Line would likely affect both the natural and built environment. The effects will be evaluated and disclosed in the EIS/EIR. Resources analyzed in the EIS/EIR will include, but are not limited to:

- ▶ Aesthetics & visual impacts
- ▶ Biological resources
- ▶ Hazards & hazardous materials
- ▶ Socioeconomics & environmental justice
- ▶ Agriculture
- ▶ Population & housing
- ▶ Cultural resources
- ▶ Mineral resources
- ▶ Hydrology & water quality
- ▶ Public services
- ▶ Transportation & traffic
- ▶ Air quality & greenhouse gas emissions
- ▶ Geology & soils
- ▶ Land use
- ▶ Recreation
- ▶ Noise
- ▶ Public utilities

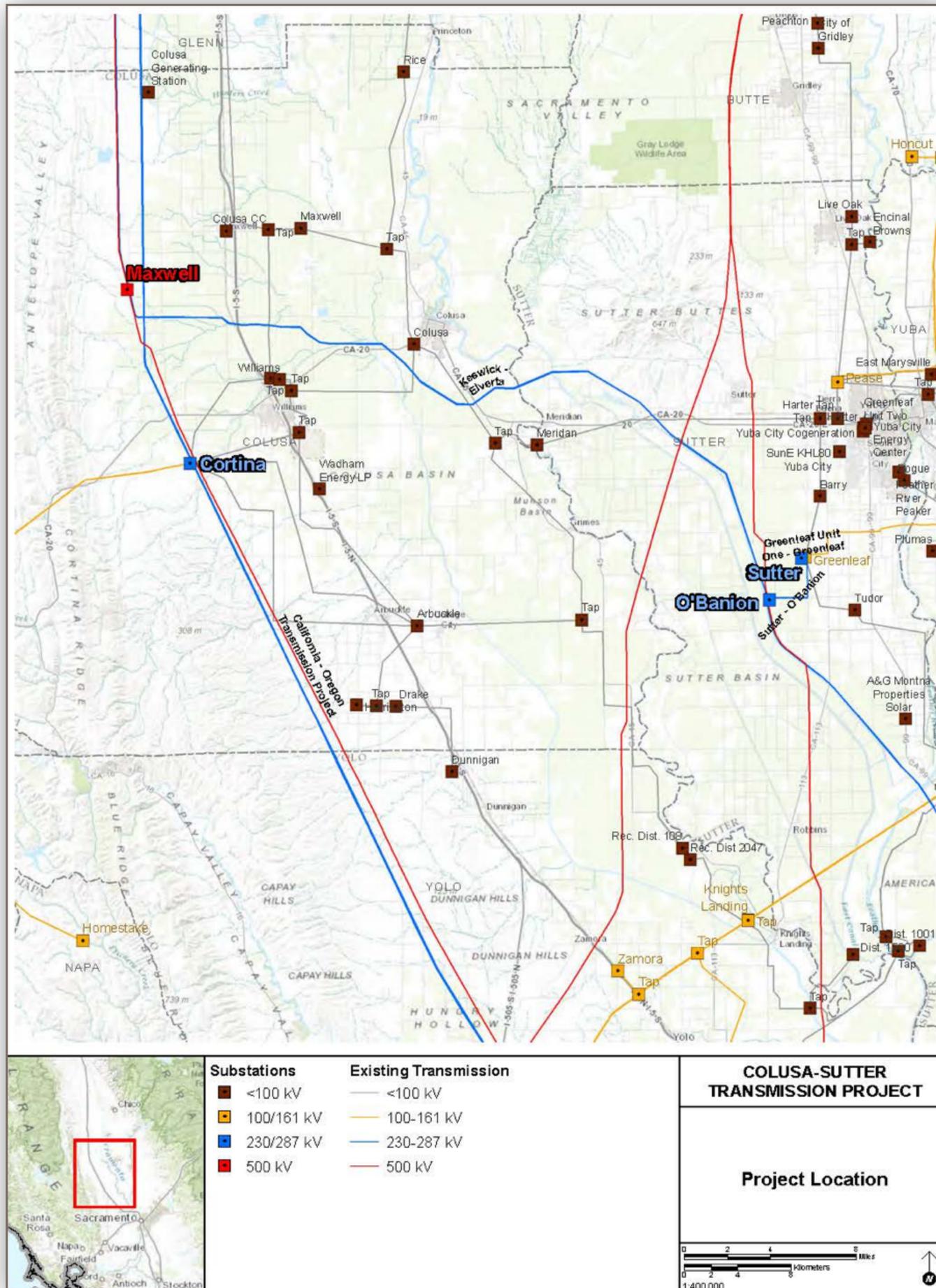
Electrical Infrastructure Overview



Northern California Power System



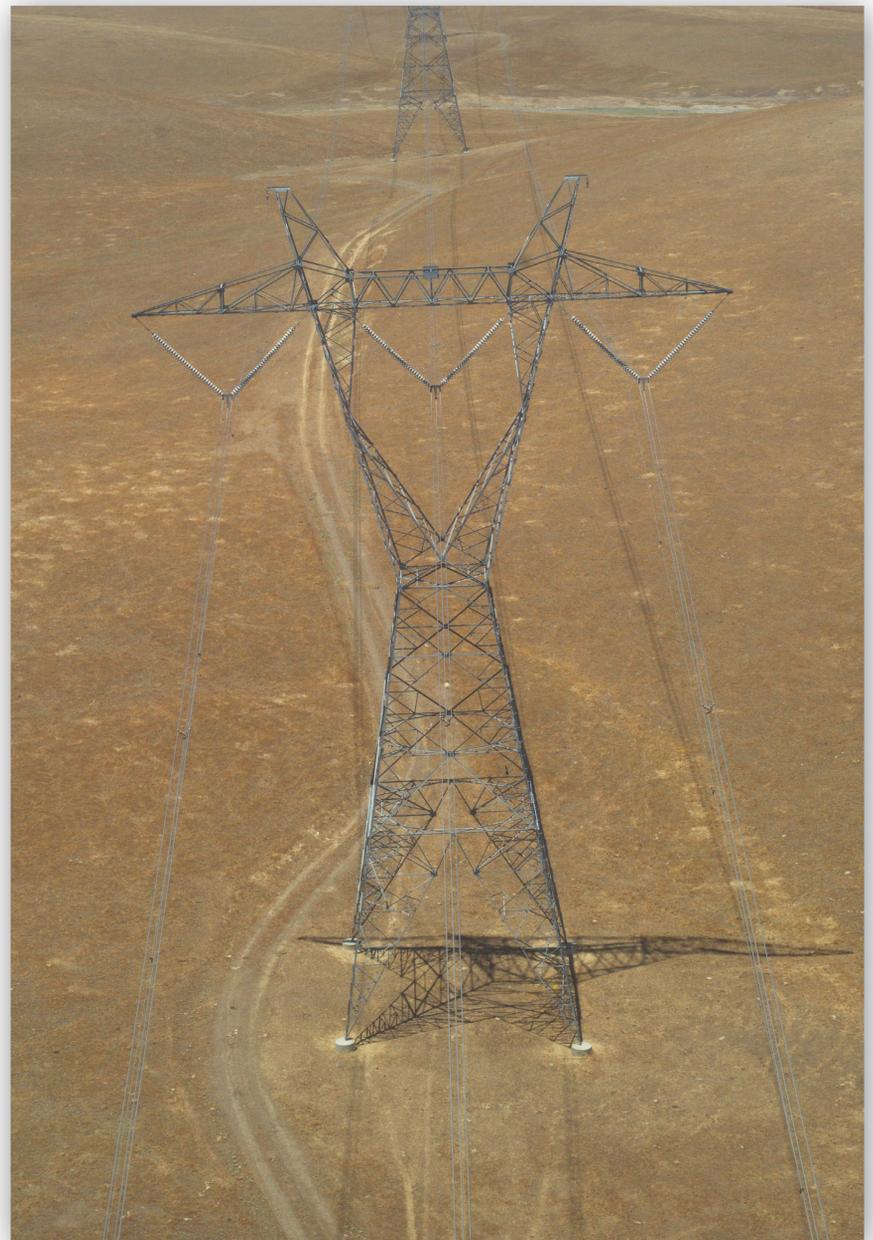
Local Transmission Facilities



Examples of Representative 500-kV Structure Types



Mono-Pole



Lattice

Example of a Substation



CoSu Line Operations & Maintenance

Western would develop Operations and Maintenance Plans for the CoSu Line. Typical plans could include:

- ▶ **Inspection and System Management** of transmission structures
 - Aerial Inspections
 - Ground Inspections
 - Climbing Inspections

- ▶ **Vegetation Maintenance** to ensure vegetation does not interfere with human safety, transmission line conductors, or towers
 - Manual Maintenance (clippers or chainsaws)
 - Mechanical Maintenance (heavy-duty mowers)
 - Herbicidal Maintenance

- ▶ **Access Road Maintenance** to maintain access to transmission lines for maintenance/inspection crews
 - Grading
 - Surfacing
 - Erosion-control measures
 - Constructing water diversions, if necessary

- ▶ **Transmission Line Maintenance** to maintain equipment and systems
 - Equipment and system maintenance and upgrades
 - Routine aerial and ground inspections of transmission lines
 - Transmission system repairs

Public Comments

You can submit a public comment at the meeting or by Monday, April 18, 2016.

To submit a comment today:

- ▶ Please write a comment on a comment card
- ▶ Submit a verbal comment to the court reporter

To submit a comment by Monday, April 18, 2016:

- ▶ Email your comment to **comments@cosuline.com**

- ▶ Mail your comment to:

Mr. Andrew Montaña, NEPA Document Manager
Western Area Power Administration, Headquarters
P.O. Box 281213
Lakewood, Colorado 80228-8213

You may submit multiple comments on the scope of the environmental analysis until Monday, April 18, 2016.