

Welcome!

Northern San Joaquin 230 kV Transmission Project
Open House

¡Bienvenido!

Reunión pública de
Northern San Joaquin 230 kV Transmission Project





Minimizing Environmental Impacts

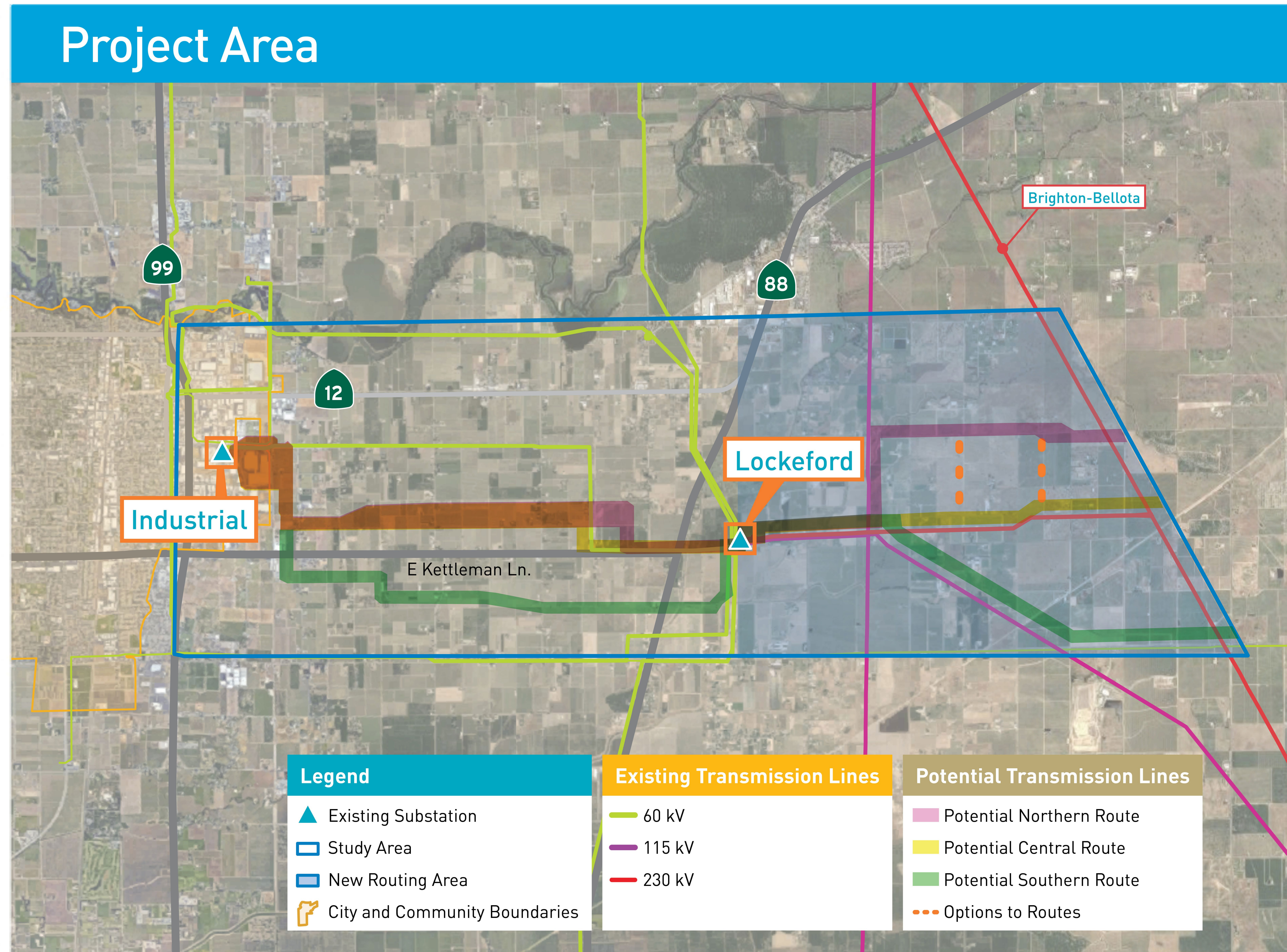
Working closely with the community and environmental experts

- We are committed to identifying transmission line routes with the fewest overall impacts.
- Environmental and engineering experts will conduct extensive research and field reviews.
- Public input will be collected through stakeholder briefings, meetings and community open houses, as well as from comments submitted online.
- The California Public Utilities Commission (CPUC) will conduct formal environmental review of project under the California Environmental Quality Act (CEQA), providing additional opportunities for public input.

CEQA requires a comprehensive environmental assessment analyzing a project's potential impacts in these areas:

Aesthetics
Agricultural and forestry resources
Air quality
Biological resources
Cultural resources
Energy
Geology and soils
Greenhouse gas emissions
Hazards and hazardous materials
Hydrology and water quality
Land use and planning
Mineral resources
Noise
Population and housing
Public services
Recreation
Transportation
Tribal cultural resources
Utilities and service systems
Wildfire





The Northern San Joaquin 230 kV Transmission Project is a proposed electric infrastructure project that will benefit communities in the northern portion of San Joaquin County. The proposed project will include:

- Looping the Brighton-Bellota 230 kV line into PG&E's existing Lockeford Substation.
- Constructing a double-circuit 230 kV line from PG&E's existing Lockeford Substation to a new Industrial 230 kV switching station.
- Upgrading PG&E's existing Lockeford Substation and Lodi Electric Utility's existing Industrial Substation to accommodate the new equipment.



Supporting Economic Growth

Investing in local electric infrastructure



- Helps meet the energy needs of the area's leading manufacturing and industrial firms.
- Strengthens the grid to respond to growing energy demand from the region's evolving economy and the thriving wine industry.
- Promotes a strong commercial environment that attracts and retains a diverse group of employers and industries.





Routing Criteria

Reducing impacts to the environment and local community

- We will work closely with the local community, government agencies and organizations to gather input and information to help identify a proposed transmission line route and alternatives that minimize potential impacts.
- The California Public Utilities Commission (CPUC), which has sole jurisdiction over the routing of projects like this, will decide the final route following a robust review process that provides numerous additional opportunities for public input.

A proposed route and alternatives will be identified based on minimizing and/or avoiding:

Impacts to local communities;

Conflicts with established infrastructure and land uses, including agricultural land uses such as vineyards and orchards;

Sensitive resource and habitat areas;

Areas with high visual sensitivity;

Costs to our customers;

Length of new transmission line needed to connect to local electric grid; and

Constructability and engineering conflicts.

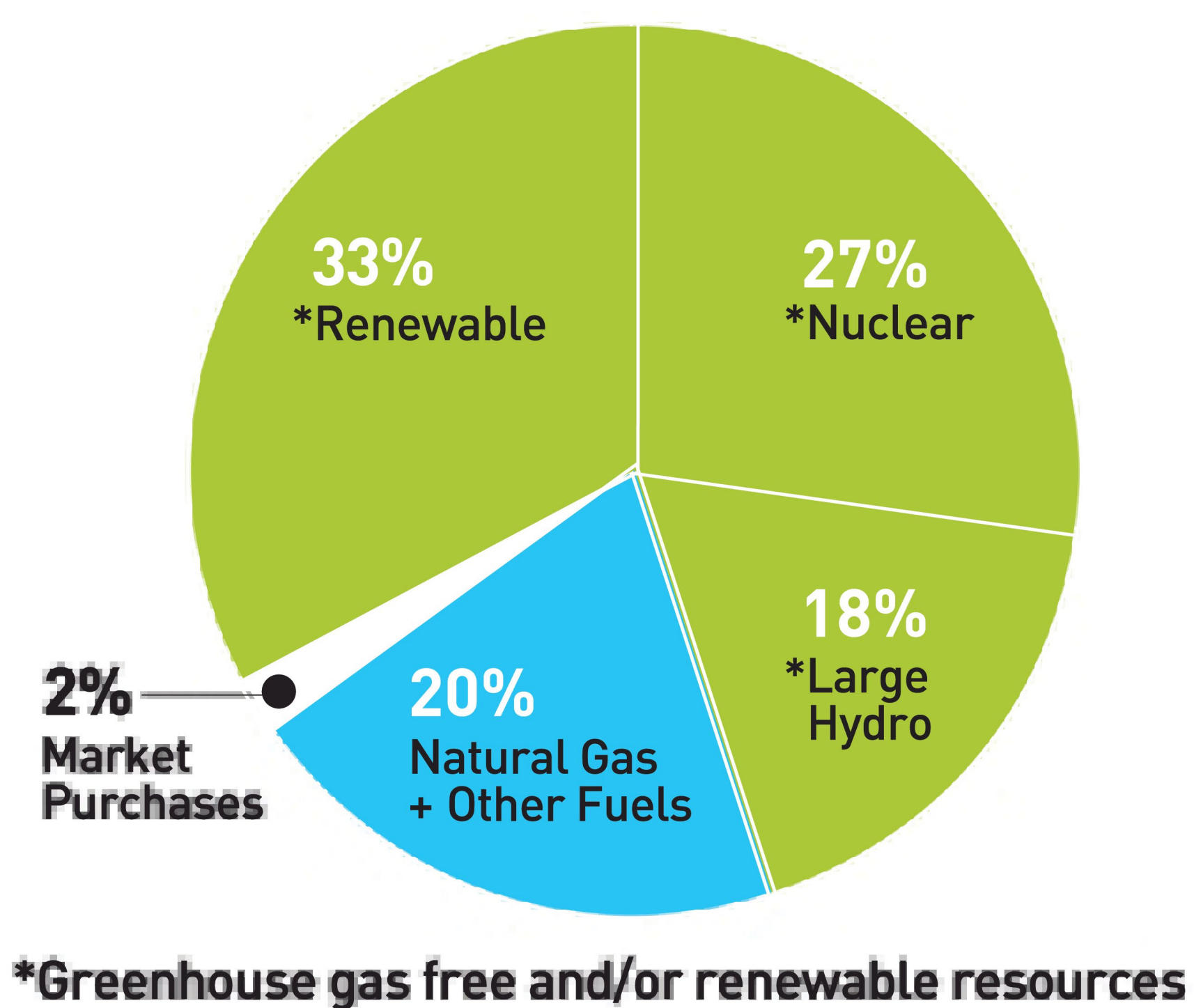




Electric Grid Overview • Información general de la red eléctrica

How electricity moves from its source to your home or business

Cómo se mueve la electricidad desde su fuente hasta su hogar o negocio



Power Generation
Generación de energía



Transmission Substation
Subestación de transmisión



Transmission Lines
Líneas de transmisión



Homes and Businesses
Hogares y negocios



Distribution Lines
Líneas de distribución

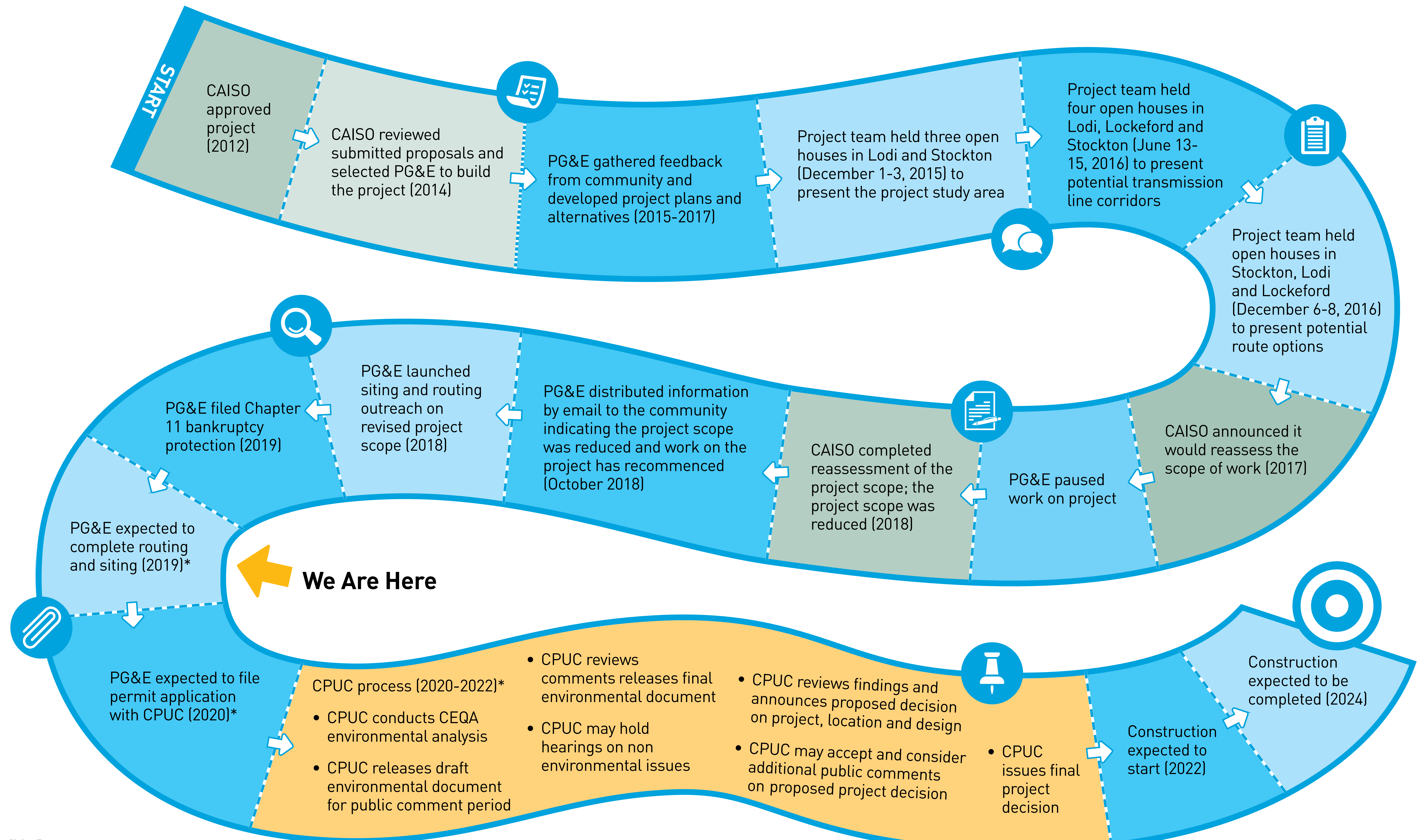


Distribution Substation
Subestación de distribución



California Electric Projects Approval Process

Breaking down the regulatory process



Role and Responsible Party:

- Pacific Gas and Electric Company (PG&E) employees are responsible for safe transmission and delivery of energy.
- California Independent System Operator CA (ISO) is the impartial grid operator charged with ensuring the safe and reliable transportation of electricity on the power grid.
- California Public Utilities Commission (CPUC) is charged with regulating investor owned utilities including PG&E.

*These are the currently anticipated timelines and are subject to change.



Typical Transmission Line Structures

Potential options for project structures

- We are committed to working with the community to avoid or minimize impacts, where feasible, while providing reliable energy for our future.
- Input gathered from the community will help direct the selection of the structures used for this project.
- The height will be dependent on a variety of factors, including the type of structure and location.

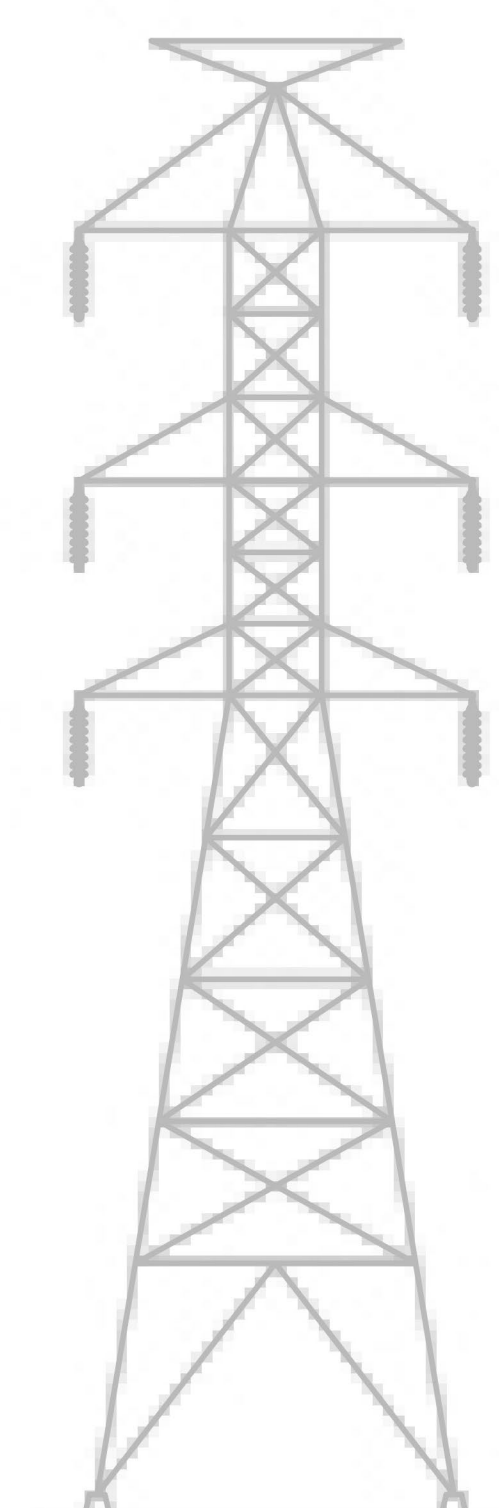
Estructuras típicas de la línea de transmisión

Posibles opciones para las estructuras del proyecto

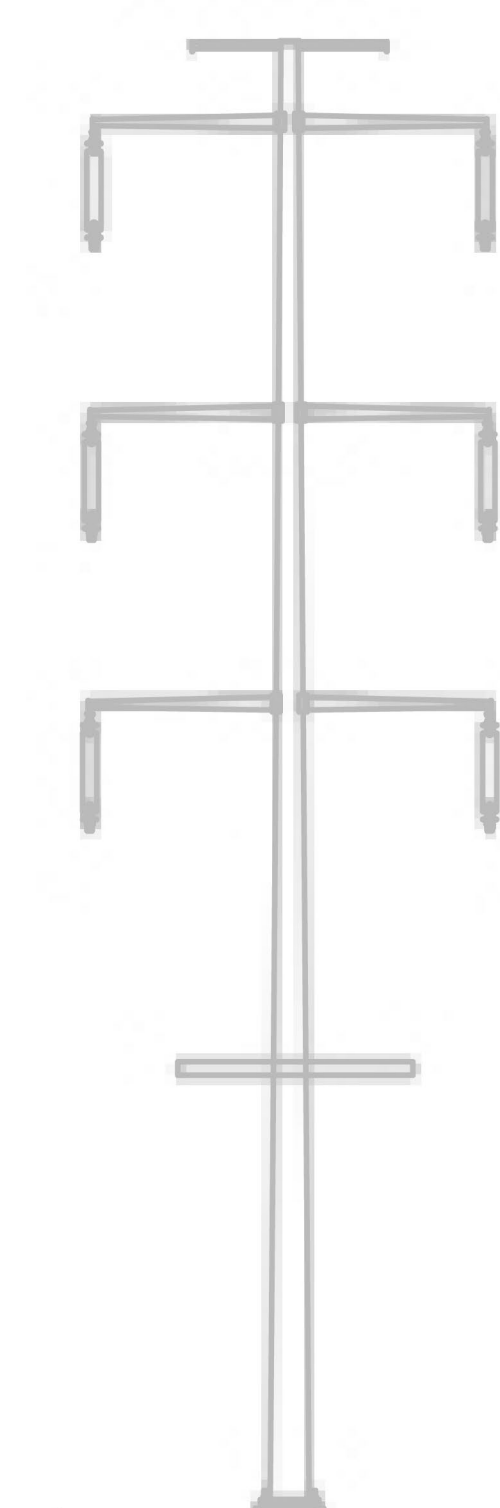
- Nuestro compromiso es trabajar con la comunidad para evitar o minimizar impactos, cuando sea factible, mientras suministramos energía confiable para nuestro futuro.
- Los comentarios de la comunidad ayudarán a dirigir la selección de las estructuras que se usarán en el proyecto.
- La altura dependerá de una variedad de factores, incluyendo el tipo de estructura y ubicación.

230 kV

Potential Transmission Line Structures
Propuestas estructuras de líneas de transmisión



Lattice Tower
Torres de celosía



Tubular Steel Pole
Postes de acero tubulares





Routes and Route Options

Legend

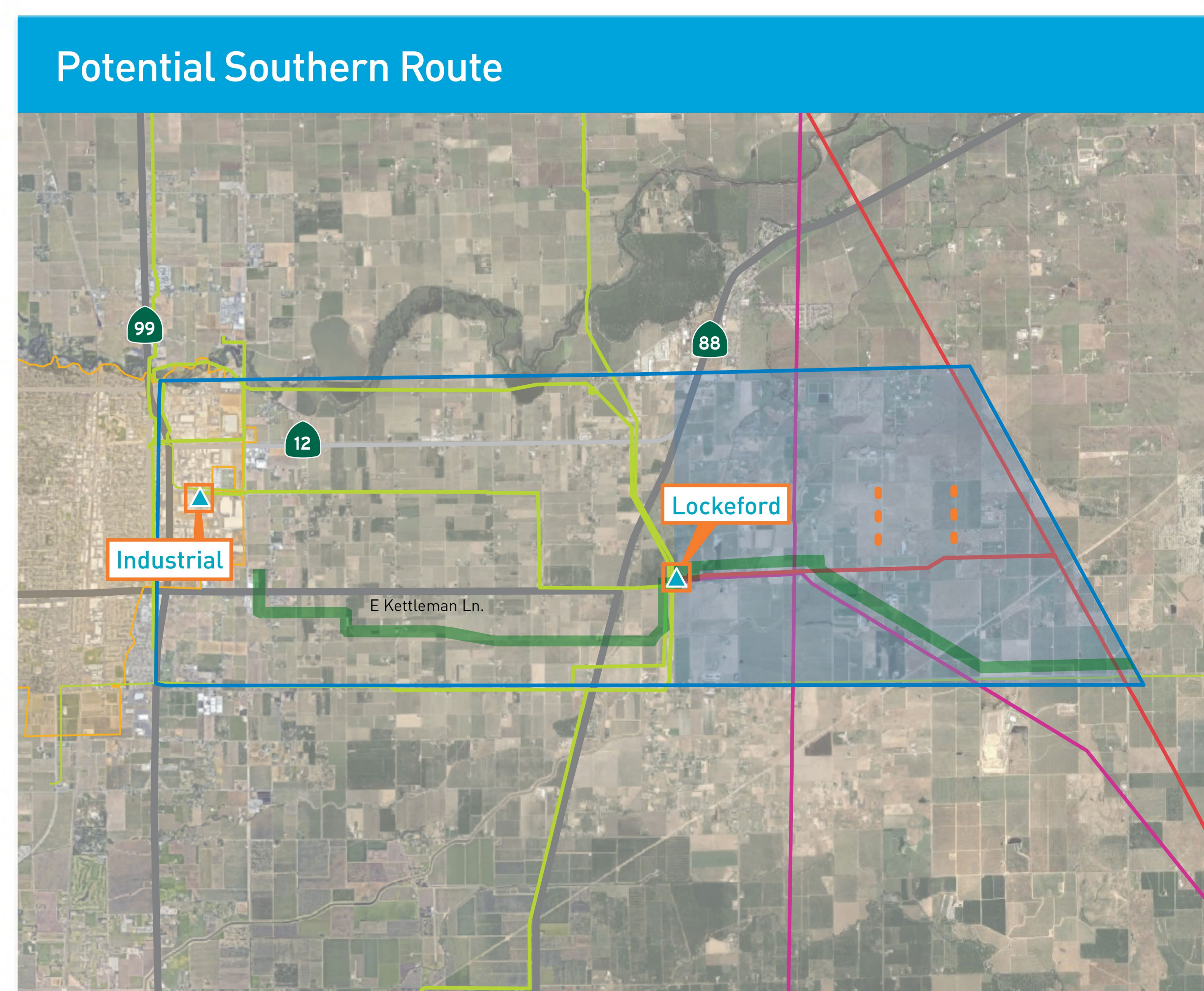
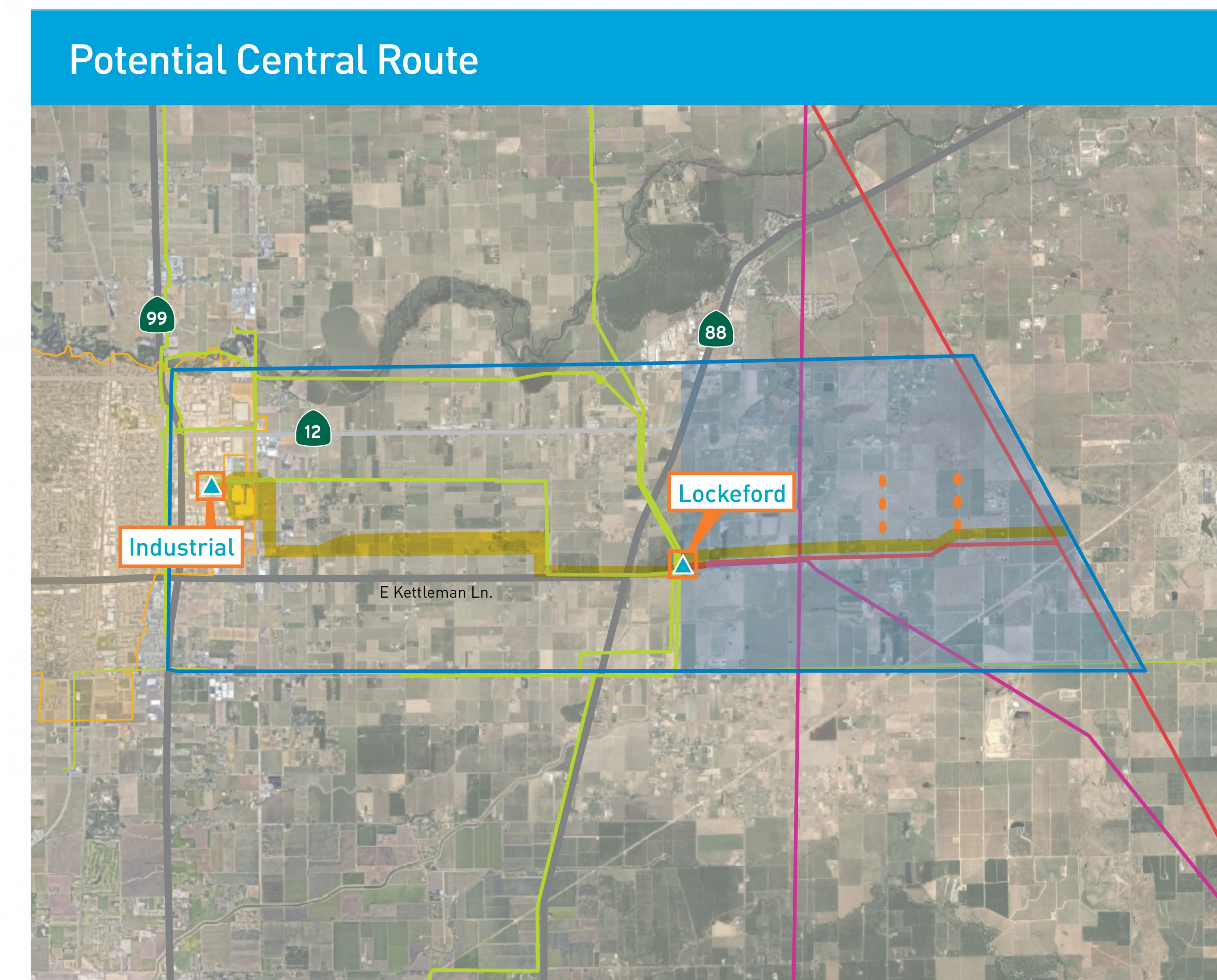
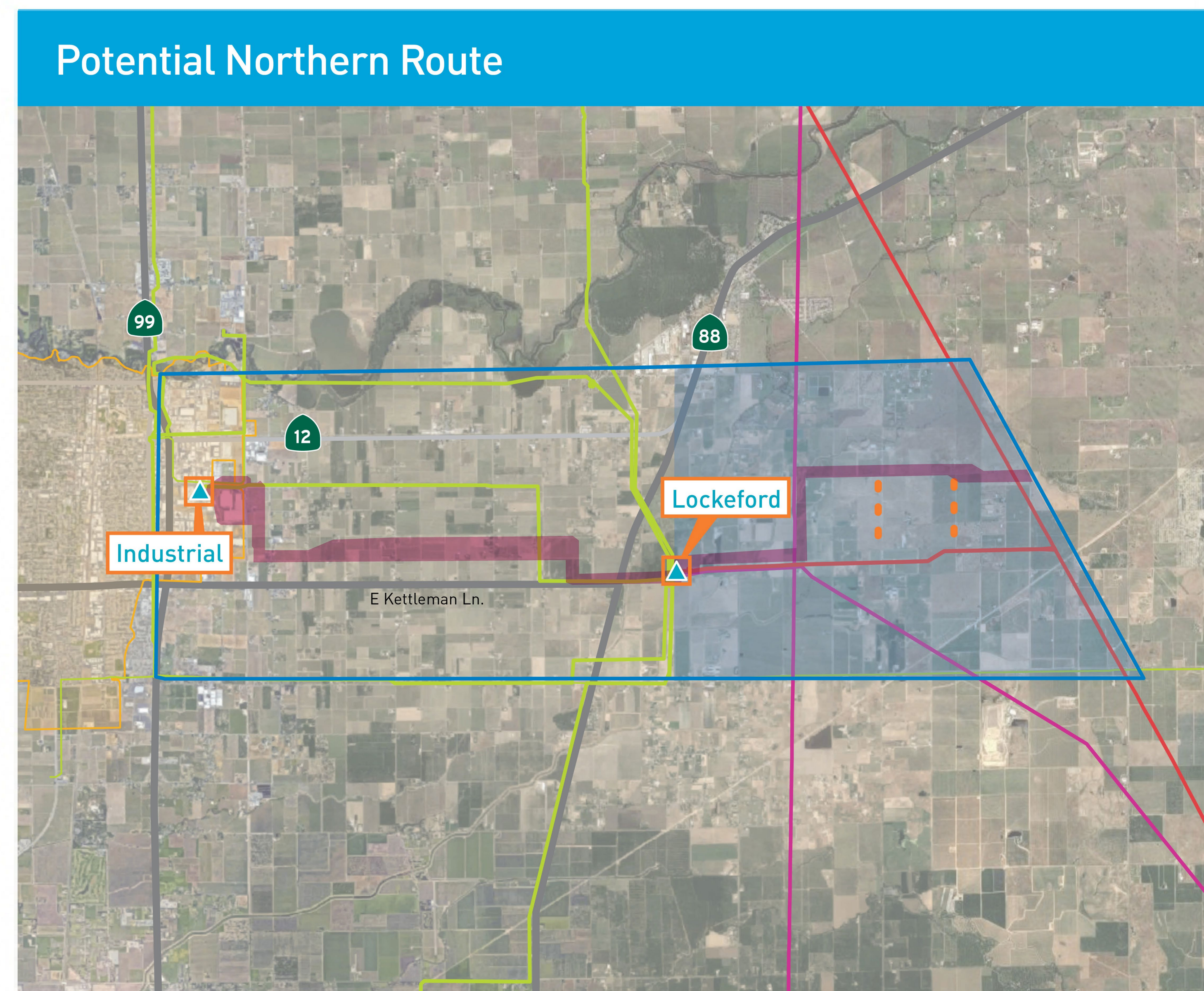
- ▲ Substation
- ▭ Study Area
- ▭ New Routing Area
- 📍 City and Community Boundaries

Existing Transmission Lines

- 60 kV
- 115 kV
- 230 kV

Potential Transmission Lines

- Potential Northern Route
- Potential Central Route
- Potential Southern Route
- Options to Routes





Environmental Resources • Recursos ambientales

Conducting studies to evaluate potential impacts to environmental resources

Realizando estudios para evaluar impactos potenciales sobre los recursos ambientales

Aesthetics
Estética



Agriculture and Forestry Resources
Recursos agrícolas y silviculturales



Air Quality and GHG
Calidad del aire y gases invernadero



Biological Resources
Recursos biológicos



Cultural Resources (including Paleo)
Recursos culturales (incluyendo paleo)



Energy
Energía



Geological (Geotech and Soils)
Geología (geotecnia y suelos)



Hazards/Hazardous Materials
Riesgos/Materiales peligrosos



Hydrology/Water Quality
Hidrología/Calidad del agua



Land Use
Uso de la tierra



Mineral Resources
Recursos minerales



Noise
Ruido



Population/Housing
Población/Vivienda



Transportation
Transporte



Tribal Cultural Resources
Recursos culturales tribales



Wildfire
Incendio forestal

