



SCOPING MEETING FOR DRAFT ENVIRONMENTAL IMPACT REPORT

# Estrella Substation and Paso Robles Area Reinforcement Project

Proposed Jointly by NextEra Energy Transmission West, LLC and Pacific  
Gas & Electric Company

Application No. 17-01-023

August 7<sup>th</sup>, 2018



**California Public  
Utilities Commission**



# Purpose of Scoping Meeting

- Provide an overview of the California Public Utilities Commission (CPUC) **application review** processes
- Describe the proposed NextEra Energy Transmission West, LLC (NEET West) and Pacific Gas & Electric Company (PG&E) Estrella Project
  - **A new substation and 70-kV power line ...**
- Allow the public and agencies to provide input on the scope and content of the Proposed Project's **Environmental Impact Report (EIR)**, including potential alternatives



# Roles



California Public Utilities  
Commission (CPUC)  
Lead Agency under CEQA



Horizon Water and Environment  
Environmental Contractor  
for CPUC



NextEra Energy Transmission  
West, LLC (NEET West)  
Project Co-Applicant



*Pacific Gas and  
Electric Company*™

Pacific Gas & Electric  
Company (PG&E)  
Project Co-Applicant



# CPUC Process

- Investor-owned utilities must submit a permit application to CPUC for construction of certain infrastructure listed under Public Utilities Code Section 1001 and pursuant to General Order 131-D
- NEET West and PG&E filed an application for the Estrella Project consisting of:
  1. Application A.17-01-023 for a Permit to Construct
  2. Proponent's Environmental Assessment (PEA)
- CPUC has authority to approve or deny the application
- CPUC permit application review involves:
  - Environmental review (CEQA)
  - CPUC Formal Proceeding



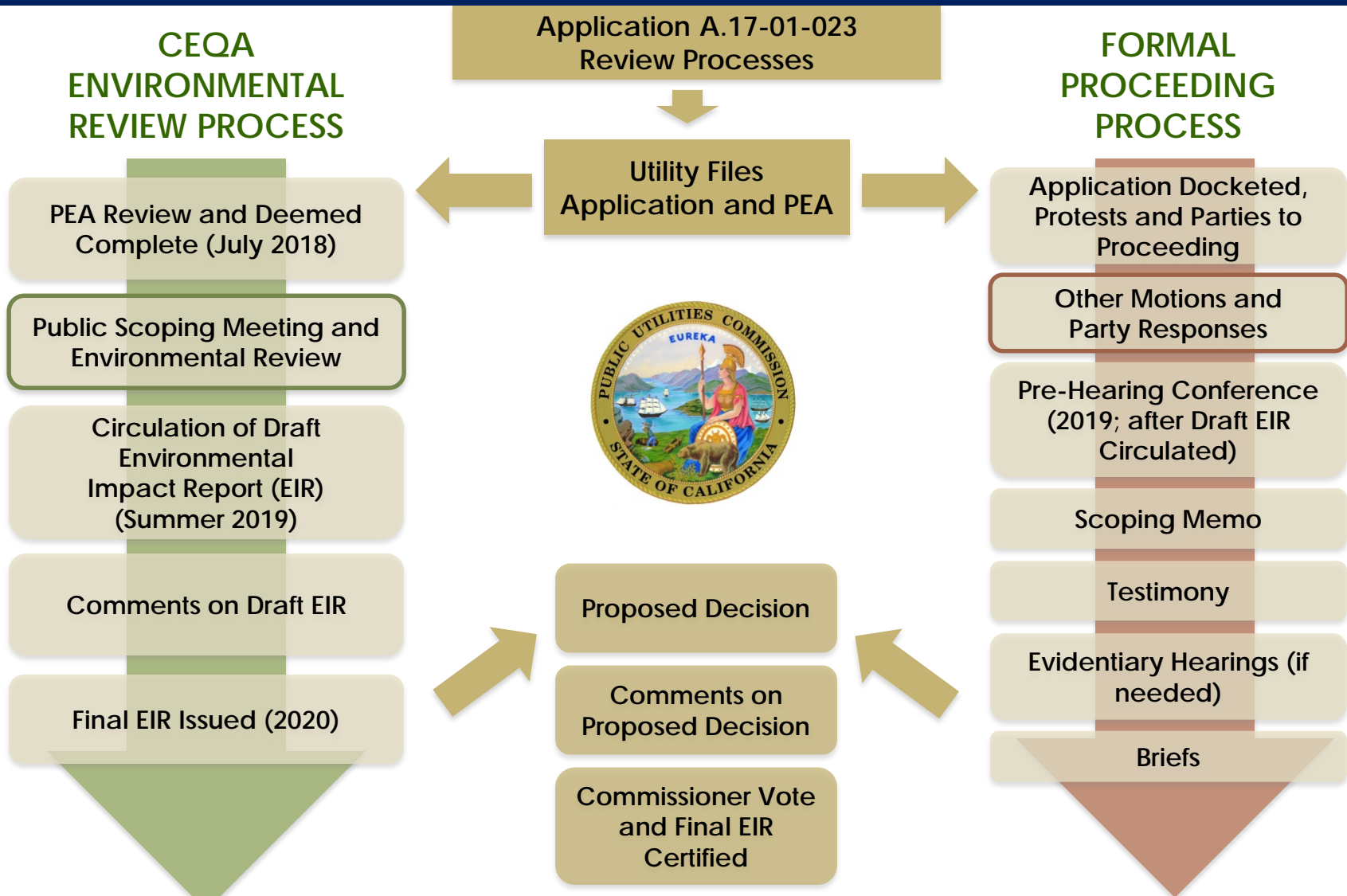
# CEQA Overview

Basic purposes of CEQA (State CEQA Guidelines, Section 15002):

- Inform governmental decision makers and public about potential significant environmental effects of proposed activities
- Identify ways that environmental damage can be avoided or significantly reduced
- Prevent significant, avoidable damage to environment by requiring changes in projects through use of alternatives or mitigation measures when governmental agency finds project changes to be feasible
- Disclose to public the reasons why a governmental agency approved the project in the manner the agency chose if significant environmental effects are involved



# CPUC Processes



# Summary of Applicants' Project Objectives

- Increase reliability and mitigate thermal overloads and voltage concerns in the area by having an additional 230 kV source of power that will increase service reliability in northern San Luis Obispo County;
- Provide a location for future 21 kV distribution facilities with a 230/70 kV source near the anticipated growth areas in northern Paso Robles; and
- Balance safety, cost, and environmental impacts

\*Note: CPUC will develop CEQA project objectives separately during the EIR process that may differ to some extent from the applicants' stated objectives.



# Proposed Project Components

## Estrella Substation Components

- Constructing a new 230 kV / 70 kV substation on approx. 15-acre site
- Constructing a new 230 kV transmission line interconnection to existing 230 kV transmission facilities

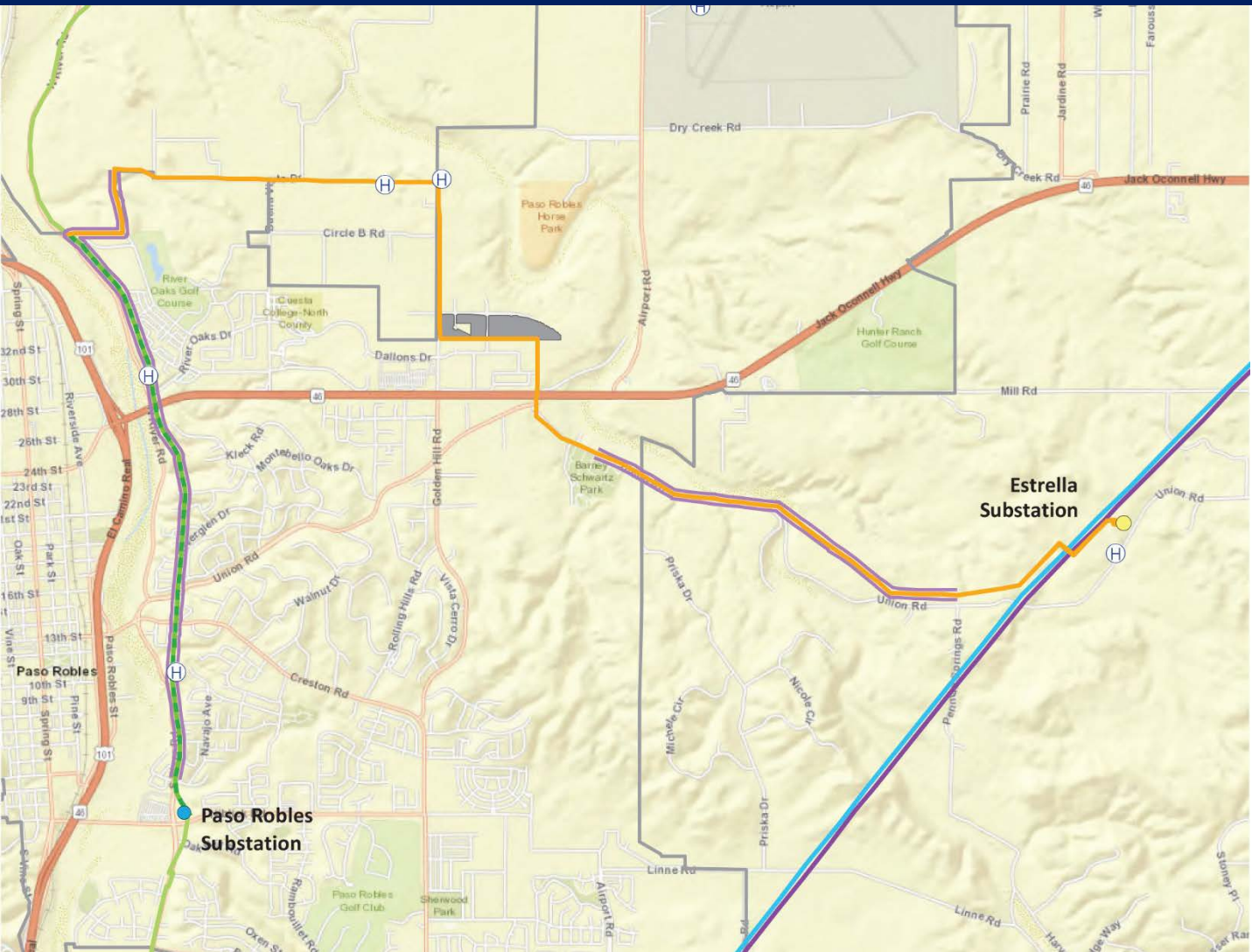
## Power Line Components

- Constructing a new approx. 7-mile-long 70 kV double circuit power line between new Estrella Substation and existing San Miguel-Paso Robles 70 kV power line
- Reconductoring / replacing approx. 3 miles of existing San Miguel-Paso Robles 70 kV power line from interconnection with new line from Estrella Substation to existing Paso Robles Substation





# Where is the Proposed Project?



- Paso Robles city limits
- Project Area**
- New 70kV Power Line Segment
- Reconductoring Segment
- Distribution Underbuild
- Power Line Staging Areas
- Helicopter Landing Zones
- Estrella Substation Location
- Paso Robles Substation location
- Existing Infrastructure**
- Existing 500 kV Transmission Line
- Existing 230 kV Transmission Line
- Existing 70 kV Power Line

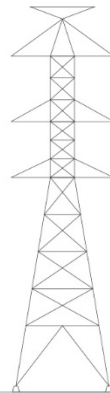


# Simulation of the Proposed Estrella Substation

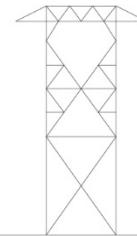


# Typical Transmission Structure Diagrams (Interconnection)

Note: Not to scale. LSTs measure approximately 25 by 25 feet at base.



230KV G94-DE W/ FIBER  
(LST)

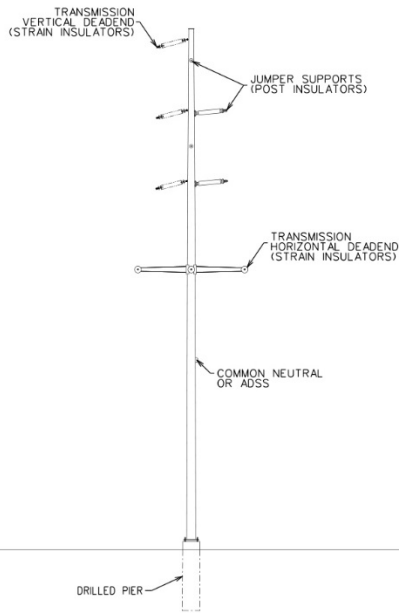


230KV SCH-DE  
OR 90° DE  
(LST)



# Typical Transmission Structure Diagrams (New Power Line)

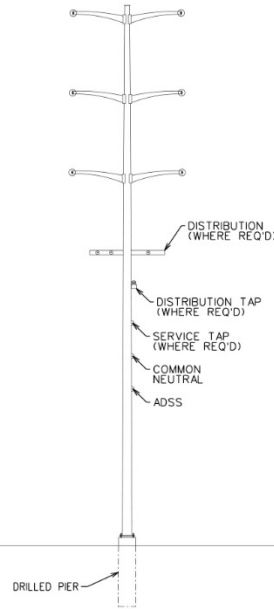
Note: Not to scale. LDSPs have a 3-foot diameter at base and a 1-foot diameter at tip. TSPs have a 4-foot diameter at base and a 1.5-foot diameter at tip.



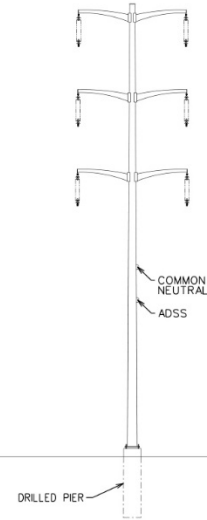
70kV/115kV CROSSING STRUCTURE (TSP)



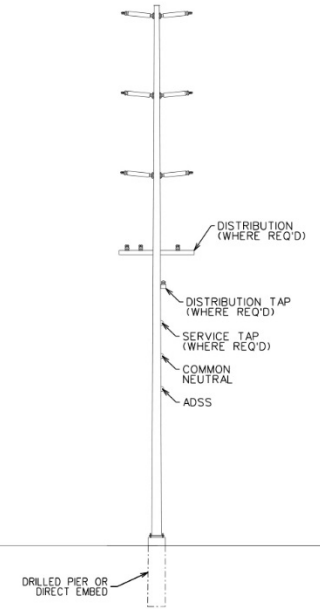
70kV/115kV DVD-3 (TSP)



70kV/115kV V2D-G (TSP)



70kV/115kV V2S-G (TSP)

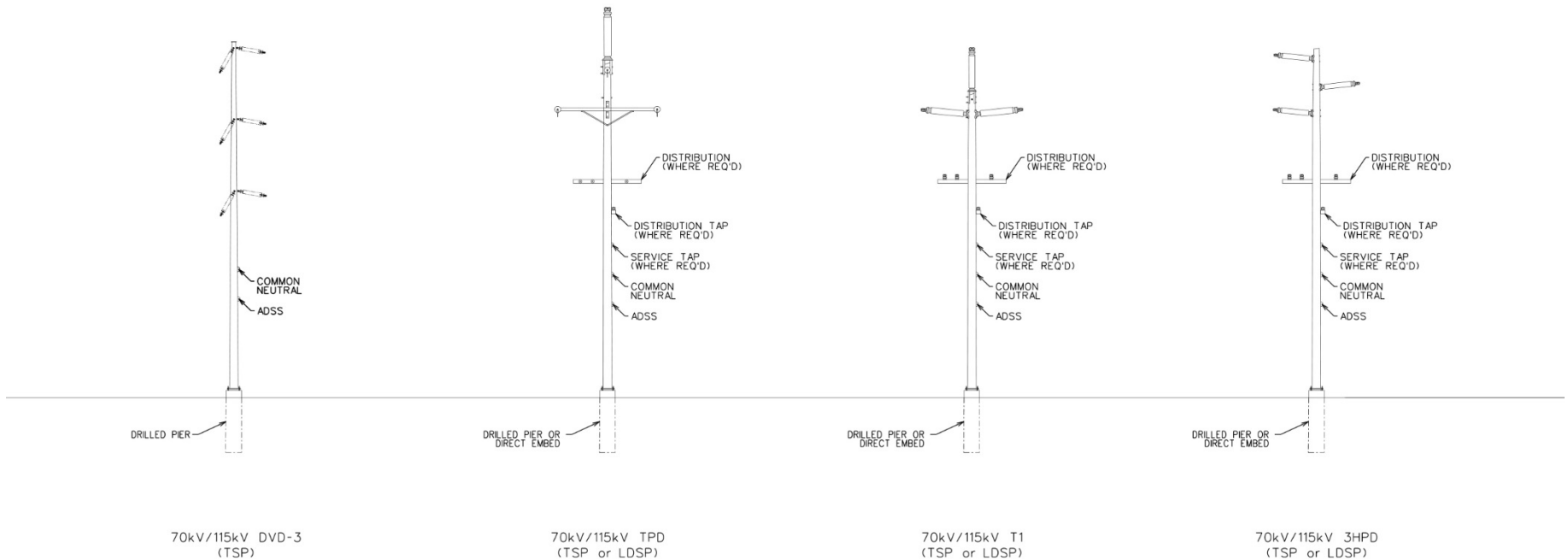


70kV/115kV V2P (TSP or LDSP)



# Typical Transmission Structure Diagrams (Reconductoring Segment)

Note: Not to scale. LDSPs have a 3-foot diameter at base and a 1-foot diameter at tip. TSPs have a 4-foot diameter at base and a 1.5-foot diameter at tip.



# CEQA Draft EIR

## TOPICS:

Aesthetics

Agriculture and forestry resources

Air quality/greenhouse  
gas emissions

Biological resources

Cultural, archaeological, paleontological, and  
Tribal resources

Geology and soils

Hazards and hazardous materials

Hydrology and water quality

Land use and planning

Mineral resources

Noise

Population and housing

Public services  
(fire, police, schools, parks)

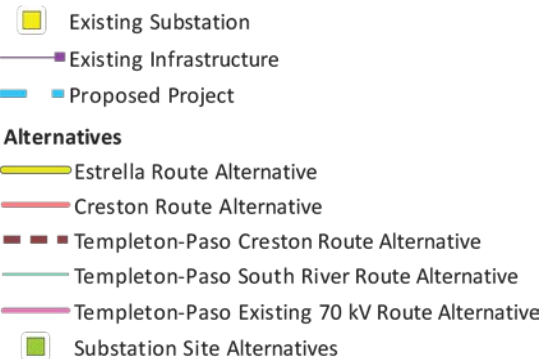
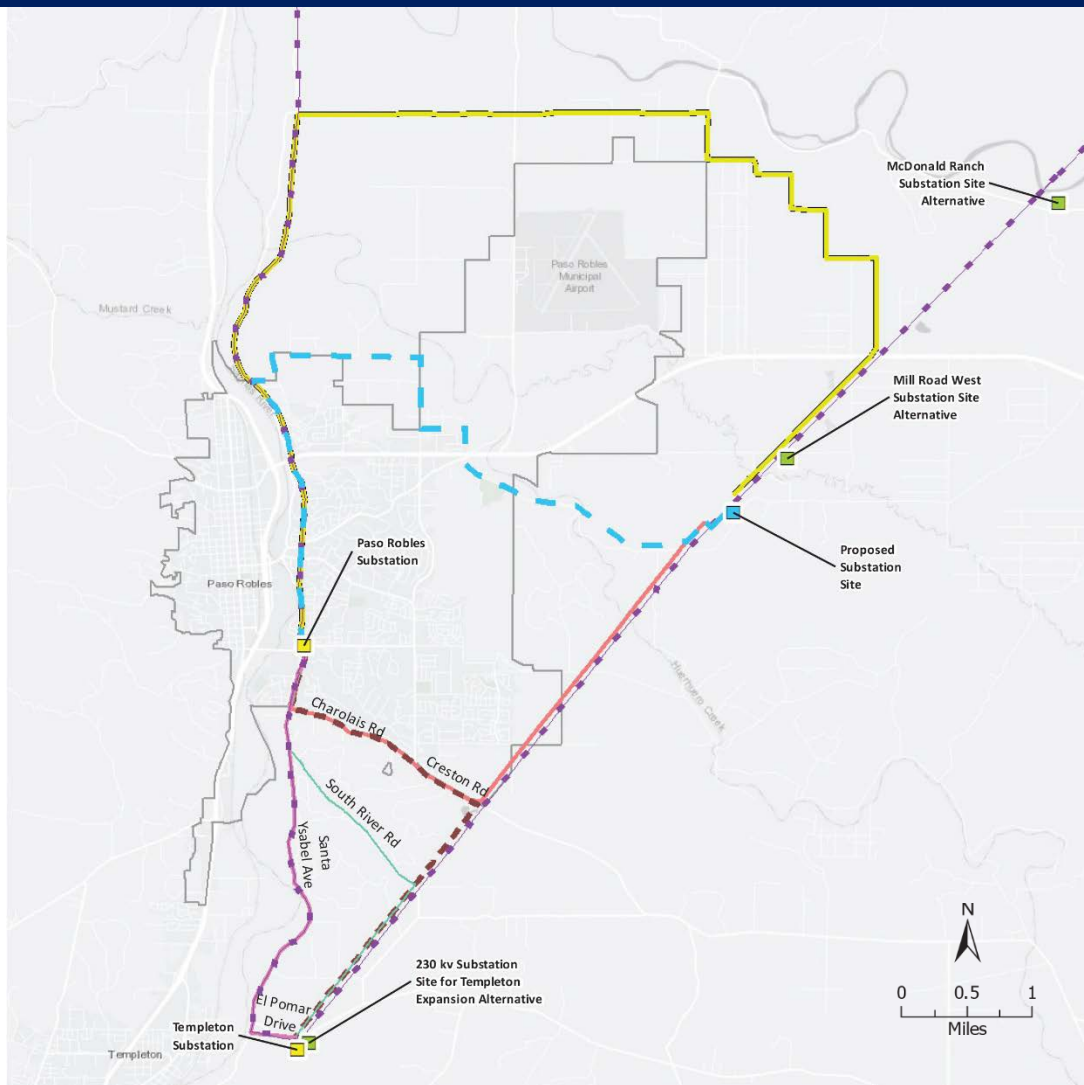
Recreation

Transportation and traffic

Utilities and service systems  
(water, wastewater, solid waste)



# Proposed Project and Potential Alternatives



**Notes:**

1. 70 kv power line alignments have not yet been provided for the McDonald Ranch and Mill Road West substation site Alternatives.
2. All Templeton - Paso Route Alternatives would require expansion of the existing Templeton substation.
3. Other alternatives (e.g. battery storage) will be considered, but have not yet been sited or sized.



# Example Battery Storage Unit





# How Can You Provide Comments?

- Fill out a comment card to submit written comments and questions tonight
- Submit comments after this meeting by mail, phone, or email

Mail	Voice Mail	Email
Mr. Rob Peterson CPUC c/o Horizon Water and Environment 400 Capitol Mall, Suite 2500 Sacramento, CA 95814	(844) 211-7510	estrellaproject@ horizonh2o.com

- Comments due by 5:00 p.m. on August 31, 2018

For more information, go to:

<http://www.cpuc.ca.gov/environment/info/horizonh2o/estrella/index.html>

