



**Kino to DeMoss-Petrie 138 Kilovolt (kV)
Transmission Line Project**

Stakeholder & Community Working Group Meeting

October 9, 2019
1:00-3:00 p.m.



Agenda

- Welcome & Introductions
- Project Overview
- Purpose & Need
- Project Description
- Line Siting Process & Schedule
- TEP's Design Philosophy
- Alternatives Analysis
- Sensitivity Levels
- Opportunities
- Constraints
- Agency & Public Participation
- Stakeholder Role
- CWG Role & Responsibilities
- Decision Elements
- Discussion
- Next Steps

Kino to DeMoss-Petrie Transmission Line Project



Welcome & Introductions



Project Overview

- As part of its obligation to continue providing safe, reliable service, TEP is proposing to construct a new 138 kilovolt (kV) transmission line to interconnect existing & planned substations.
- Project area is located between Kino Boulevard & 36th Street and Grant Road & Interstate 10.
- Planning process includes environmental studies, public & stakeholder input to assist in identification and comparison of alternative transmission line routes.



Project Overview Cont.

- Extensive public outreach will be implemented throughout the process.
- An application for a Certificate of Environmental Compatibility (CEC) will be submitted to the Arizona Corporation Commission (ACC).
- The project requires recommendation from the Arizona Power Plant and Transmission Line Siting Committee (LSC) and final approval from the ACC prior to construction.
- Anticipated in-service date is December 2022.

Purpose and Need

- Provide 138 kV transmission capability between the existing Kino and DMP Substations, and interconnect the new UA North Substation.
- Support University of Arizona and Banner-University Medical Center.
- Strengthen electric reliability for TEP customers in and near the study area by adding redundancy.
- Existing transmission lines could not serve this purpose.

Project Description

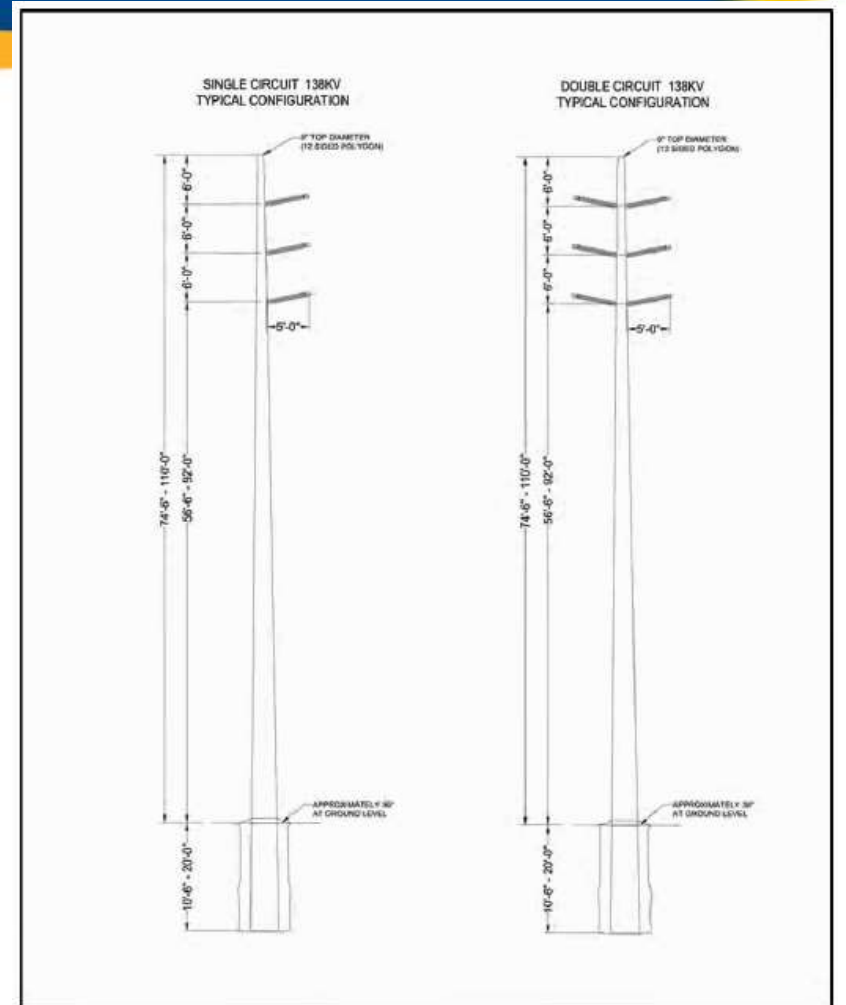
- New 138 kV transmission line from the existing Kino Substation (currently under construction) at the southeast corner of Kino Boulevard & 36th Street to the planned UA North Substation, to the existing DMP Substation, located east of Interstate 10 and north of Grant Road.
- New 138 kV UA North Substation on 1.6 acre site at Vine Avenue between Lee Street & Chauncey Lane.
- Potential to use some existing 46 kV rights-of-way.
- In accordance with TEP's design standards, the transmission line would be built to accommodate a second circuit (138 kV or 46 kV).

Kino to DeMoss-Petrie Transmission Line Project



Project Description Cont.

Proposed Structure Example



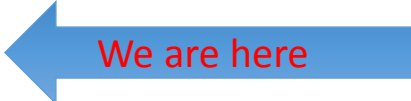
Kino to DeMoss-Petrie Transmission Line Project



ACC Line Siting Process

- The ACC sites and certifies electric transmission lines greater than 115-kV.
- Line Siting Committee (LSC) reviews application and makes recommendation to the ACC.
- Project requires a Certificate of Environmental Compatibility (CEC).
- ACC Responsible for reviewing:
 - Total environment (fish, wildlife, plants)
 - Existing state, local government, and private development plans
 - Noise
 - Recreational impacts
 - Scenic areas, historic sites & structures, archaeological sites
 - Interference with communication facilities
 - Technical aspects
 - Costs
 - Other applicable federal and state laws

TEP's Line Siting Process

- Identify the need for the Project.
- Identify the Preliminary Study Area.
- Prepare Public Notification Plan/Identify stakeholders.
- Collect baseline data/conduct internal analysis.
- Conduct first public/stakeholder outreach.
- Conduct first Community Working Group meeting. 
- Identify & analyze opportunities and constraints.
- Develop multiple proposed routes.
- Conduct follow on public/stakeholder outreach.
- Conduct follow on Community Working Group meetings.
- Conduct impact assessment/engineering & constructability assessment/route comparison.
- Identify alternative routes to carry forward in ACC application for a CEC.
- Prepare and file ACC application.



TEP's Design Philosophy

- Work within or next to existing infrastructure and corridors where practical.
- Work with landowners and stakeholders to avoid or minimize impacts to sensitive areas.

Alternatives Analysis

- Develop siting criteria (sensitivity levels and opportunities within the study area).
- Determine preliminary opportunities and constraints.
- Prepare siting opportunities and constraints map.
- Identify preliminary links.

Sensitivity Levels

- Incompatible – e.g. airports
- High sensitivity – e.g. residences
- Moderate sensitivity – e.g. retail shopping areas, offices, government buildings
- Low sensitivity – e.g. industrial areas, existing utility facilities



Potential Opportunities

- Existing linear features - e.g. utilities, transportation
- Industrial areas
- Vacant, undeveloped lands without specific future conflicting plans



Potential Constraints

- Existing residences
- Educational facilities
- Parks & recreation
- Archaeological sites and historic properties

Kino to DeMoss-Petrie Transmission Line Project



Agency & Public Participation

- Community Working Group Meetings (3-5 meetings between October 2019-June 2020)
- Stakeholder Meetings (3 between October 2019-June 2020)
- Public open house meetings (first meetings in October 2019)

Stakeholder Role

- Review information provided.
- Assist in identification of opportunities and constraints.
- Provide data if requested.
- Attend stakeholder meetings.
- Consult and collaborate, as needed.
- Identify and explain your preferred alternative.

Kino to DeMoss-Petrie Transmission Line Project



Community Working Group Role & Responsibilities

- Represent agencies, neighborhoods, and community members.
- Attend and actively participate in the CWG meetings.
- Review information provided & identify key issues.
- Communicate project information to your constituents.
- Review and comment on study results.
- Attendance at public open house meetings is encouraged.



TEP Decision Elements

- Environmental Impacts
- Public input
- Engineering
- Ability to obtain rights-of-way or use road rights-of-way
- Cost



Discussion

- Do you understand the project purpose and need and proposed facilities?
- Do you understand the planning process?
- Are there additional parties that should be brought in to the planning process?
- Other?

Next Steps

- Public Meeting #1 – October 22nd, and 23rd, 2019.
- Incorporate public & stakeholder comments into the development of criteria and sensitivity ratings, as well as preliminary links.
- Obtain additional data from stakeholders, if needed.
- Develop preliminary links.
- CWG & Stakeholder Meetings #2.