### Northwest Marana Reliability Project

ADRIANA MARIÑEZ SITING, OUTREACH, AND ENGAGEMENT PROJECT MANAGER





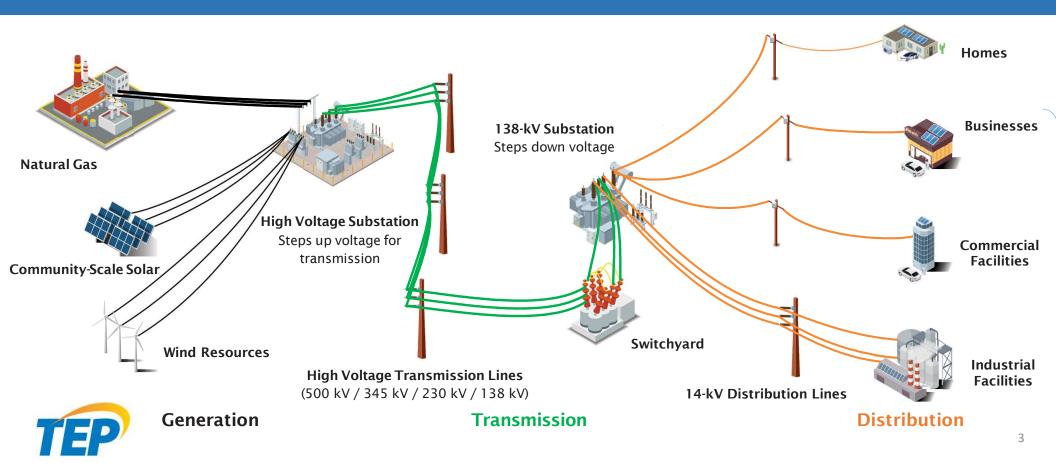
#### Agenda

- Introductions
- How We Deliver Electric Service to You
- Study Area
- Need and Benefits
- About the Project / Aesthetics
- Transmission Line Siting Process
- Evaluation Criteria
- Opportunities and Constraints
- Timeline
- Public Participation
- Questions

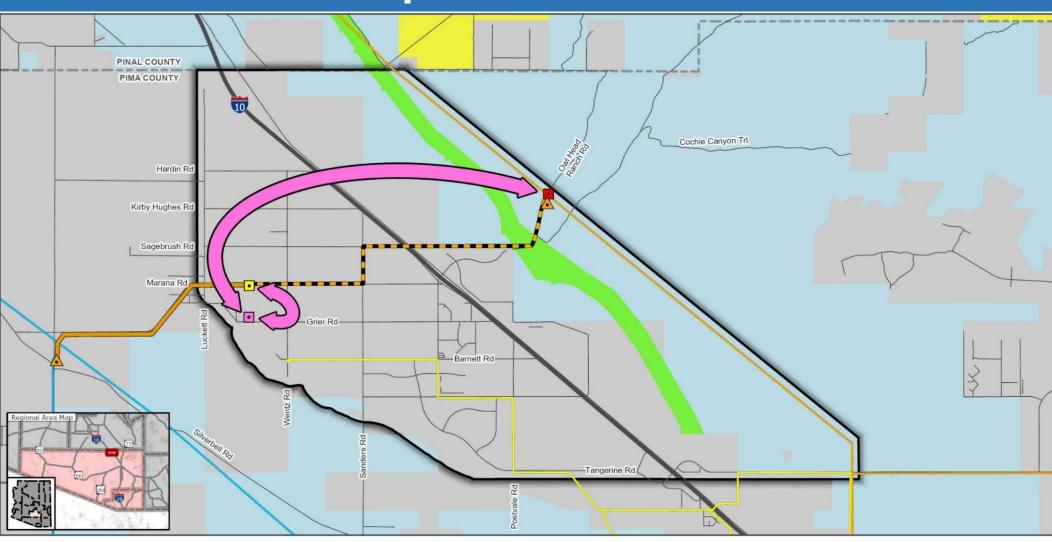


### **Our Energy Grid**

How we deliver electric service to you



# **Conceptual Connections**

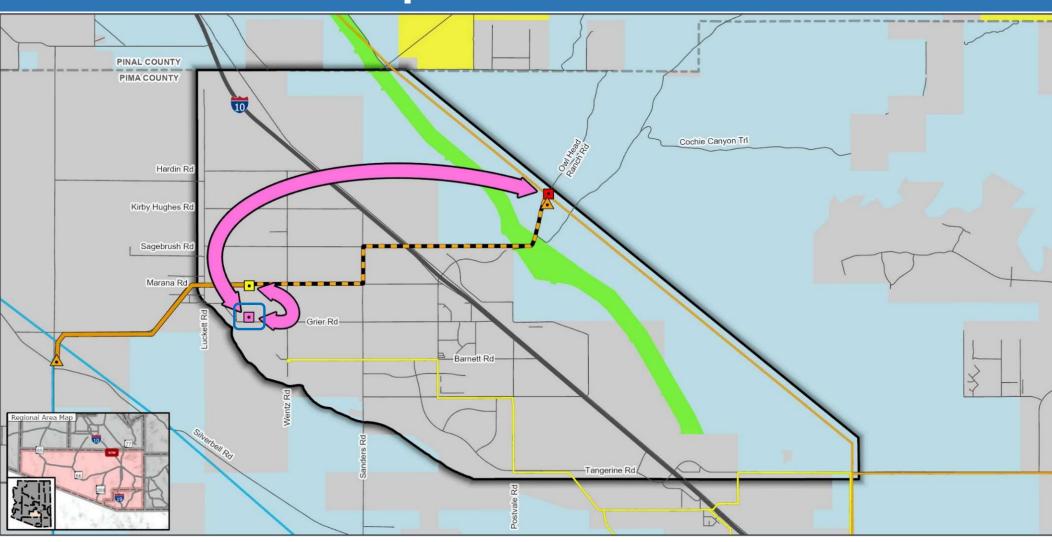


#### **Need and Benefits**

- A stronger, smarter grid that will support the community's growing energy needs and maintain reliable service.
- Need: Peak power demand in the Marana area has nearly reached the capacity of lower-voltage systems.
- Benefits:
  - Better electric reliability through a looped system will help reduce the frequency and duration of outages.
  - Greater transmission capacity to meet the area's growing energy needs.



# **Conceptual Connections**



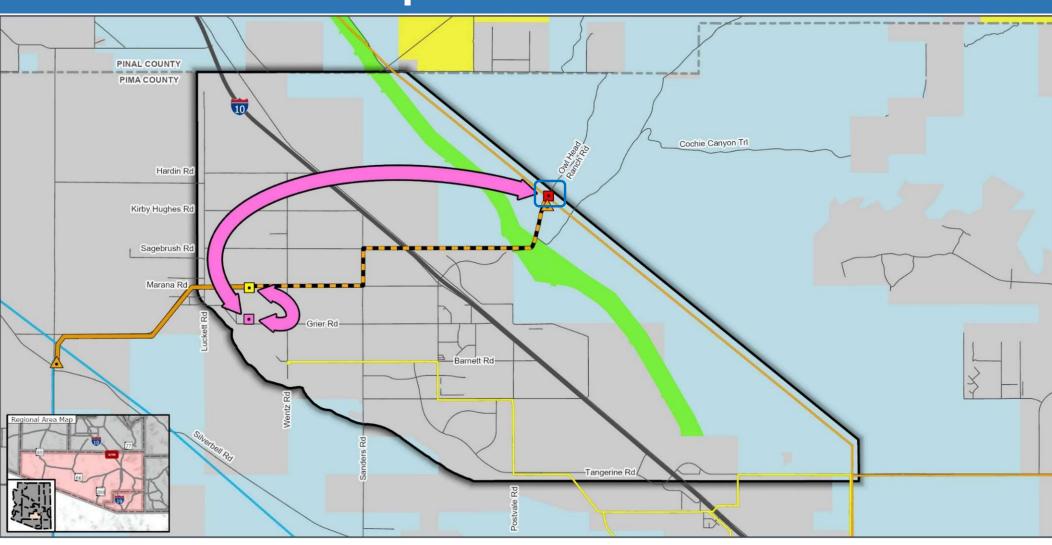
### **Grier Substation**



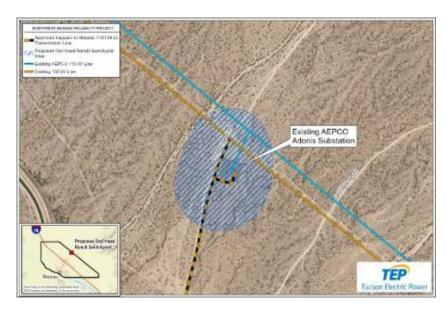




# **Conceptual Connections**

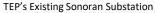


# Owl Head Ranch Switchyard



The proposed Owl Head Ranch Switchyard will be built near the existing Arizona Electric Power Cooperative's (AEPCO's) Adonis Substation.







#### **Pole Structure**

Tubular, Weather Steel Monopoles





Typical structure, approximately 74" feet tall, located at 967 S Pantano Rd in Tucson.

### **Siting Process**

**Phase 1: Pre-Analysis** 

**Conduct Field Visits** 

**Develop Study Area** 

Identify Opportunities and Constraints

Conduct Public
Outreach

Develop Preliminary Segments

Phase 2: Data Inventory

Conduct Research and Collect Data

Phase 3: Suitability
Assessment

Develop Suitability Models

Conduct Suitability
Assessment

Field Review

**Refine Segments** 

Phase 4: Compatibility
Analysis

Conduct Compatibility
Analysis

Develop Route
Alternatives

Conduct Public Outreach

Identify Preferred Route

Phase 5: Concept Evaluation

Field Review

**Submit CEC Application** 

Public Notification and Hearing





#### **Evaluation Criteria**

Please share what values matter most to you.





Wildlife & plant life



Existing development plans



Scenic areas, historic sites & archaeological sites and structures



Engineering feasibility and challenges



**Environment** 



Project costs & potential impacts on customer rates



Noise emission levels & interference with communication signals



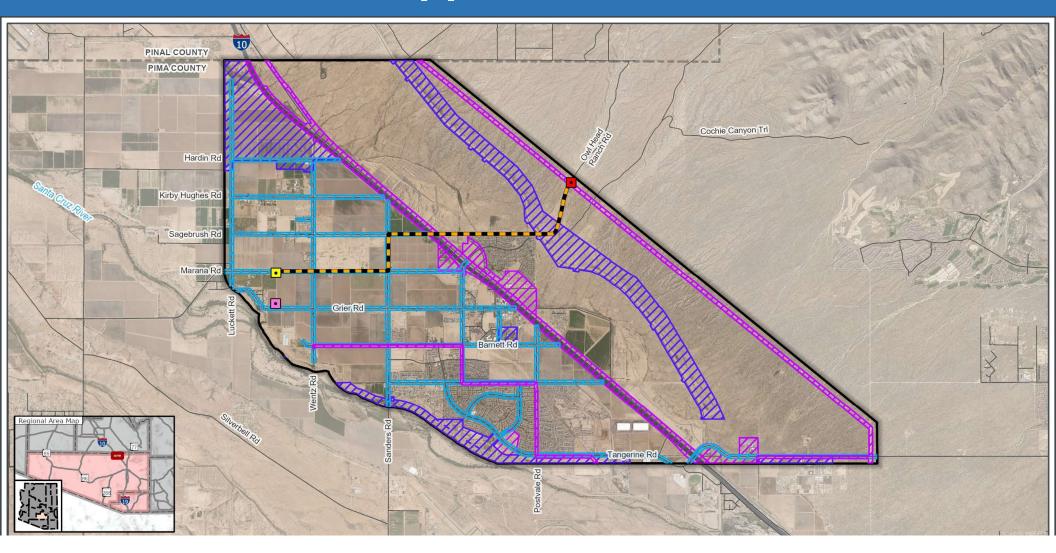
Public input



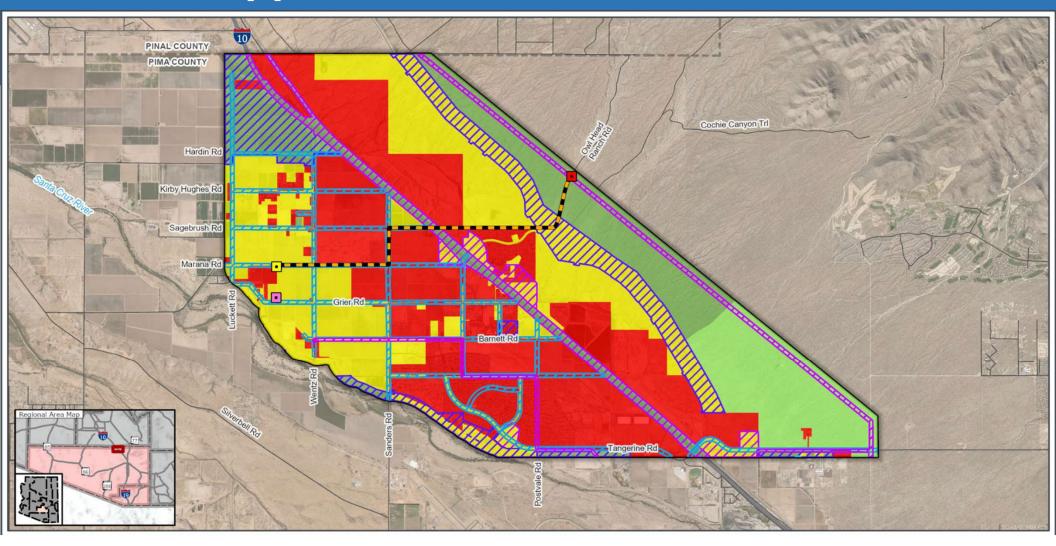
Potential public recreational uses



# **Opportunities**



## **Opportunities and Constraints**



#### **Timeline**



Public Open House #1 - November 2024

Public Open House #2 - Early 2025

Certificate of Environmental Compatibility Application Submittal - Spring 2025

**Transmission Line Siting Committee Hearing - Summer 2025** 

**Arizona Corporation Commission Open Meeting - Summer 2025** 

**Project in Service - 2028** 





#### How to Provide Official Public Comment

- Submit an online comment at tep.com/northwest-marana.
- Email comments to nwmarana@tep.com.
- Call 1-833-655-0399 and leave a voicemail message.
- Mail a letter with comments to:

Northwest Marana Reliability Project

ATTN: Theresa Knoblock

343 West Franklin Street

Tucson, Arizona 85701

More information: tep.com/northwest-marana





### Questions?



tep.com/northwest-marana

