WELCOME
APS Pinal Electrical Improvement Project

Open House

Project Description

Project Overview

Arizona Public Service (APS) has started studies for the **Pinal Electrical Improvement Project** to determine appropriate locations for new transmission lines in the Pinal County area.

These 230kV and 69kV facilities will connect with existing transmission infrastructure and include the Project components listed below.

1. **Arica – L10 69kV Transmission Line –** Approximately 15-mile-long, 69kV transmission line from the existing Arica substation to the future L10 substation
2. **Arica –TS25 69kV Transmission Line –** Approximately 3-mile-long, 69kV transmission line from TS25 substation to Arica substation
3. **TS25 – Pinal Central 230kV/69kV Transmission Line –** Approximately 10-mile-long, 230/69kV transmission line, which may include new and rebuilt portions connecting to permitted “Sundance” transmission line near Pinal Central Substation. Will require State of Arizona CEC permitting.
4. **TS25 – Milligan 230kV/69kV Transmission Line –** Approximately 10-mile-long, 230/69kV transmission line, which may include new and rebuilt portions. Will require State of Arizona CEC permitting.

Project Components

1. Arica – L-10 69kV Transmission Line
2. Arica – TS-25 69kV Transmission Line
3. TS-25 – Pinal Central 230kV/69kV Transmission Line
4. TS-25 – Milligan 230kV/69kV Transmission Line

Preliminary Siting Area

Future TS-25 Substation Area

Future TS-32 Substation Area

Eastgate Substation

Future L-10 Substation

Pinal Central Substation

Arica Substation

Toltec Substation

Milligan Substation

Existing Transmission Line (to be rebuilt)

Central Transmission Line

Permitted Sundance – Pinal

Arica – L-10 69kV

Arica - TS-25 69kV

TS-25 – Pinal Central 230kV/69kV

TS-25 – Milligan 230kV/69kV

Casa Grande

Arizona City

Eloy

Picacho Reservoir

Casa Grande Mountains

Thornton Rd

Chuichu Rd

Trekell Rd

Peart Rd

Henness Rd

Hacienda Rd

Overfield Rd

Toltec Buttes Rd

Signal Peak Rd

Curry Rd

Tweedy Rd

Eleven Mile Corner Rd

Sunshine Rd

Ia Palma Rd

SR-87/287

Vail Rd

Fast Track Rd

Steele Rd

SR-287

Earley Rd

Selma Highway

Cornman Rd

Hanna Rd

Arica Rd

Shedd Rd

Hauser Rd

Battaglia Dr

Alsdorf Rd

Milligan Rd

Phillips Rd

SR-87

8

10

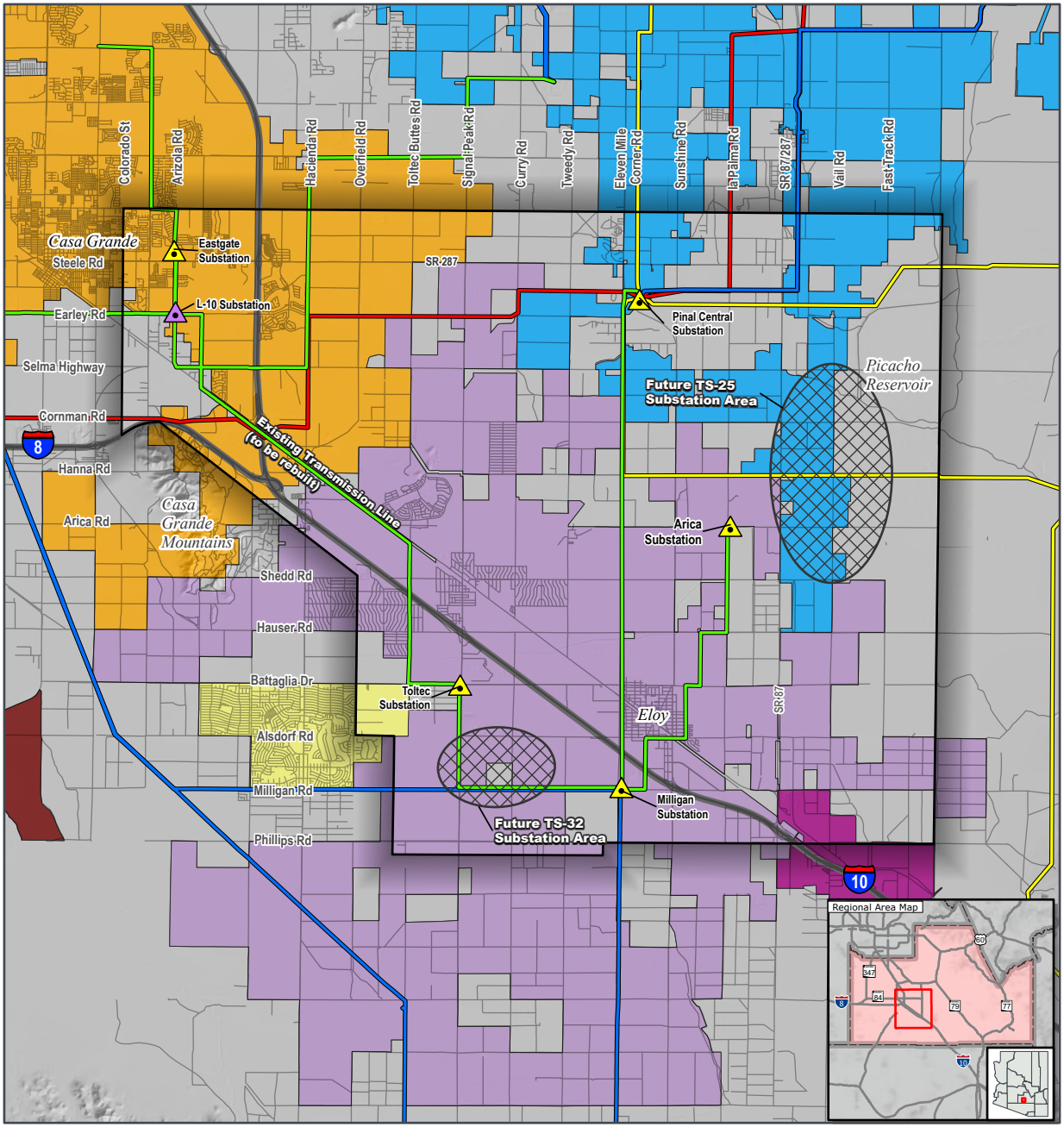
Project Need & Details

- The Project provides route options to support current and future APS customers. These Project components will provide additional reliability and redundancy for the APS transmission system in Pinal County.

- The Project will require new electrical infrastructure, including new steel poles. Refer to the “Typical Infrastructure” board for examples of typical structures.

Project Location

- The preliminary siting area that is being evaluated includes existing substations and infrastructure needed to support the proposed improvements and is large enough to allow for the analysis of multiple routes that meet the Project need.
- The preliminary siting area is located largely within Casa Grande, Eloy, Coolidge, and unincorporated Pinal County, Arizona.
- The Project will connect 69kV lines from Arica Substation to the future TS25 substation site 1-2 miles to the east, and 8-9 miles to the west to an existing power line just west of the Interstate 10. A separate 230kV line will connect the Milligan substation 17-18 miles north to the permitted “Sundance” power line near Pinal Central Substation that continues north 6-7 miles to the TS33 Substation.



APS PINAL ELECTRICAL IMPROVEMENT PROJECT

Land Jurisdiction

Project Components
- Preliminary Siting Area

Reference Features
- Future Substation
- Future Substation Area
- Interstate
- Road

Existing Infrastructure
- Existing Substation
- 69kV Transmission Line
- 115kV Transmission Line
- 230kV Transmission Line
- 500kV Transmission Line

Land Jurisdiction
- Arizona City
- Casa Grande
- Chuichu
- Coolidge
- Eloy
- Picacho
- Unincorporated Pinal County

0 8,000 16,000 Feet
0 1 2 Miles

Pinal County, AZ
NAD 1983 UTM Zone 12N
32.7965°N 111.5967°W
1:200,000

Base Map: Esri ArcGIS Online, accessed November 2024
Updated: 11/14/2024
Project No. 77397
Layout: Land Jurisdiction
Aprx: 77397_apsPinalEip_1

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Project Schedule and Status

Siting Process Overview and Schedule

- **Inventory/mapping –** Review land use and conduct field ground-truthing, review culturally and biologically sensitive areas. **Q3/Q4 2023**
- **Public Open House #1** **Q2 2024**
- **Opportunities and Constraints Analysis –** Rank the land uses and culturally and biologically sensitive areas to identify areas of opportunities and constraints. **Q1/Q2 2024**
- **Preliminary Link Development –** Using the opportunities and constraints rankings, develop potential links for siting the proposed facilities. **Q2 2024**
- **Link Review/Refinement –** Rank the preliminary links based on their suitability for siting the proposed facilities. **Q2/Q3 2024**
- **Route Alternative Development –** Based on the link rankings, develop alternatives for full routes for siting the proposed facilities. **Q4 2024**

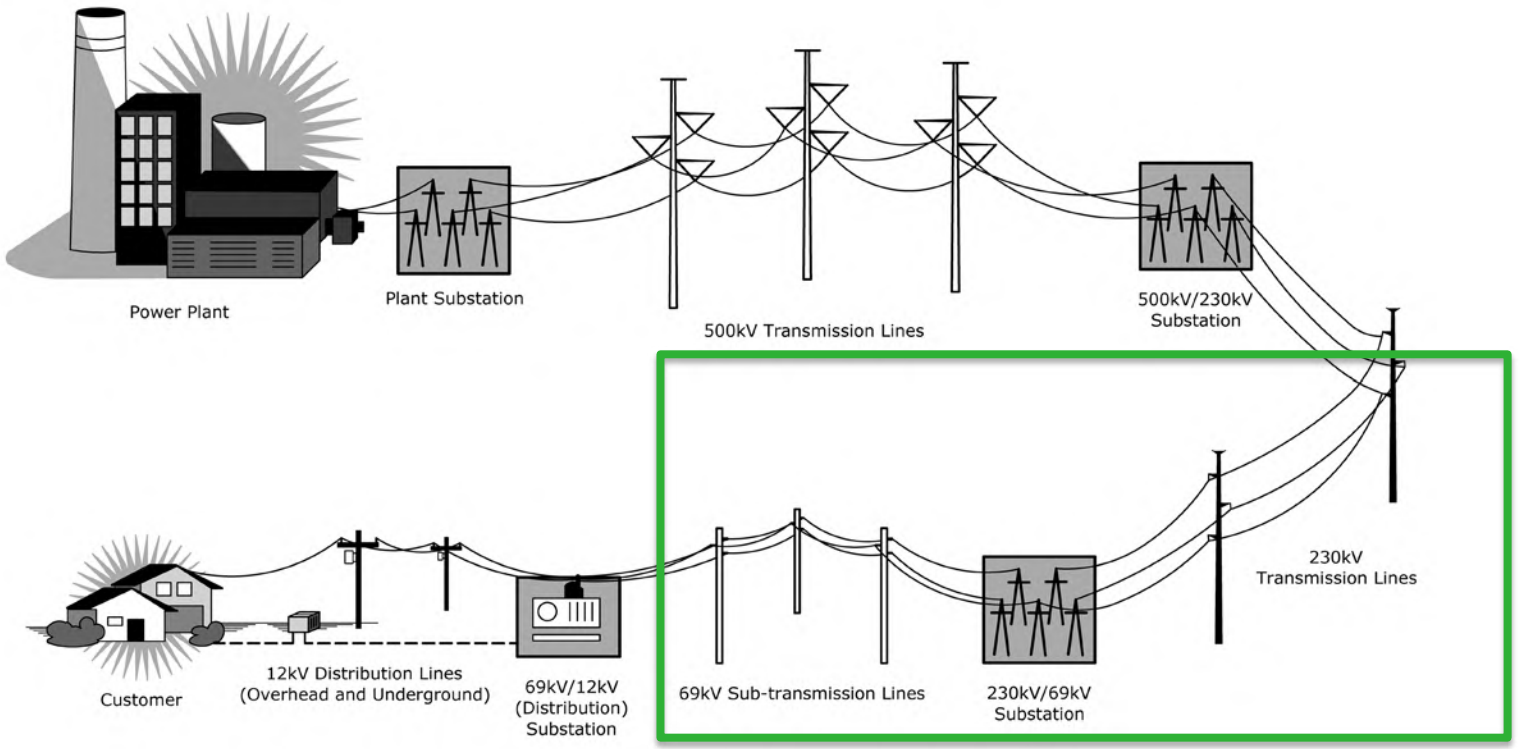
We are here

- **Public Open House #2** **Q4 2024**
- **Route Alternative Refinement/Selection –** Rank and refine the preliminary alternative routes to select proposed routes. **Q4 2024**
- **Permitting –** Permit the proposed routes (CEC Application, Hearing, and ACC Open Meeting) for Components #3 and #4. **Q3 2025**
- **Design and Construction: Q4 2025 – Q1 2027**
- **Anticipated In-Service: 2027**

Typical Infrastructure

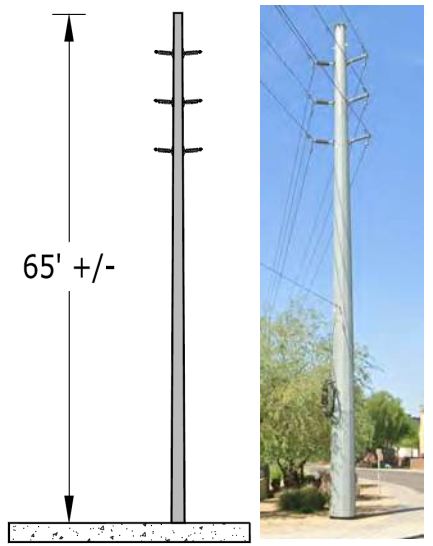
Typical Infrastructure

The **APS Pinal Electrical Improvement Project** includes the addition of 69kV and 230kV components. The diagram below provides an overview of how 69kV and 230kV components fit within the larger electrical transmission and distribution system.

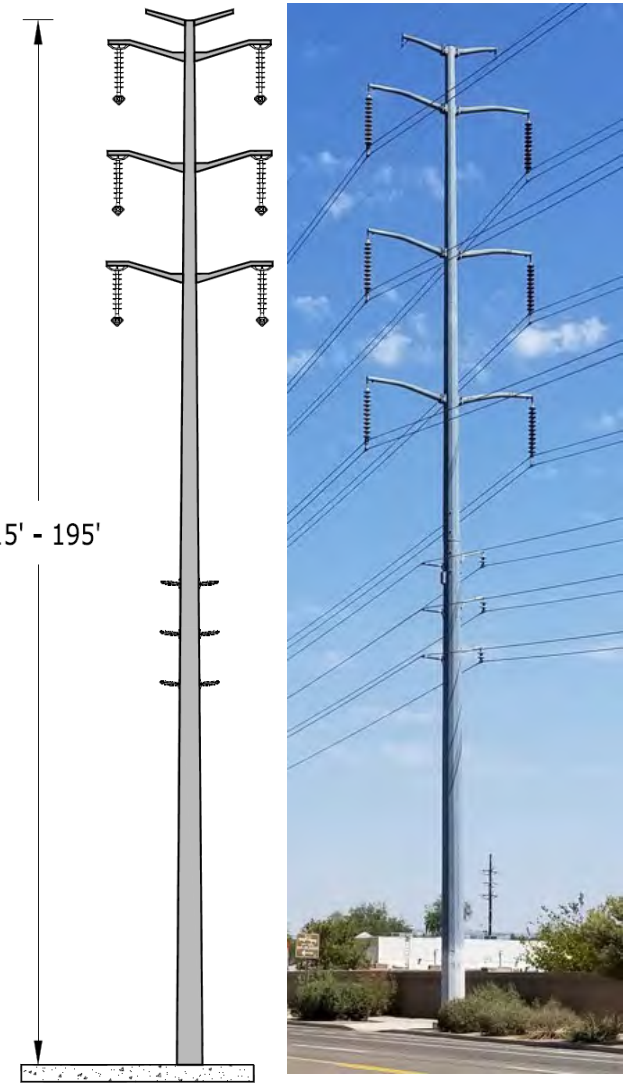


Typical Structures

- The new 69kV transmission line pole structures will be approximately 65 feet tall, placed in new or existing rights of way or easements up to 60 feet in width.
- The new double-circuit 230/69kV transmission line pole structures will be approximately 115 to 195 feet tall, placed in new or existing rights of way or easements up to 120 feet in width.
- Examples of 69kV and 230kV structures are on the right.



Double-circuit 69kV
Monopole Structure



Double-circuit 230kV
with 69kV Underbuild
Monopole Structure

Project Considerations

Technical Considerations

Electric and Magnetic Field (EMF) Data

Electric Field

Fields created by voltage on the transmission line that can cause an electric charge to build up on insulated objects near the line. This can create nuisance shocks (much like walking across carpet and touching a door handle) to individuals touching grounded objects near the line.

The standard for maximum electrical field value outside of the powerline right-of-way is 5.0kV/m. We expect studies, currently underway, to show the value for this project to be well below this standard.

Magnetic Field

Fields that are created by ALL devices that use, carry, or generate electricity. Magnetic fields drop off dramatically as distance from the source increases. To date, no federal or Arizona state standards have been established for magnetic field levels.

We recognize the public concern for magnetic fields and have included those considerations in the design of this project. The estimated value for the magnetic field at the edge of this 230kV right-of-way is approximately 45mG.

We continue to monitor U.S. and international studies regarding EMF.

Typical magnetic fields measured at various distances from common electrical appliances

All measurements are in milligauss (mG)

Appliances	6 inches	12 inches	24 inches	48 inches
Microwave Oven	100 - 300	1 - 200	1 - 30	* - 20
Hair Dryer	1 - 700	* - 70	* - 10	* - 1
Electric Range	20 - 200	* - 30	* - 9	* - 6
Video Display Terminal (PC with color Monitors)	7 - 20	2 - 6	1 - 3	*

Source: EMF In Your environment, epa.com

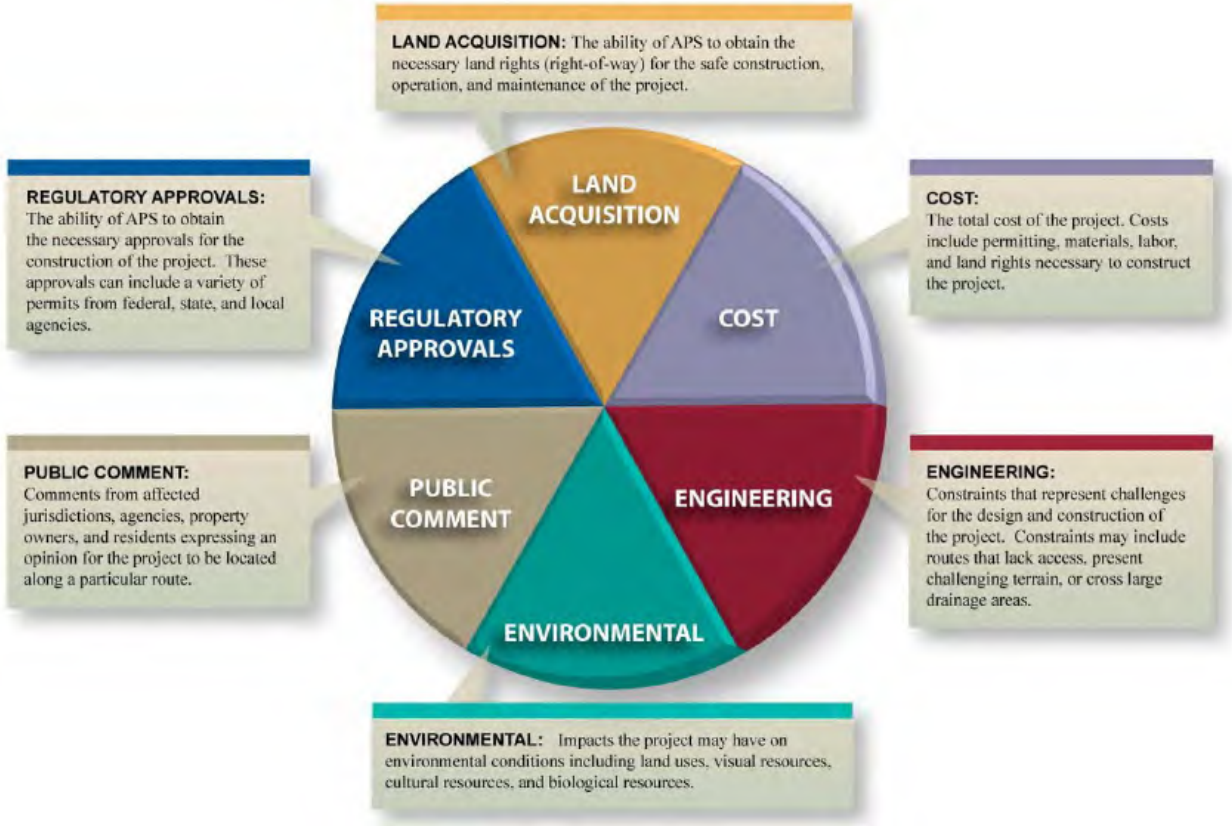
Note: The asterisk (*) indicates measurement same as background fields.

Siting Considerations

Factors Considered in Route Identification

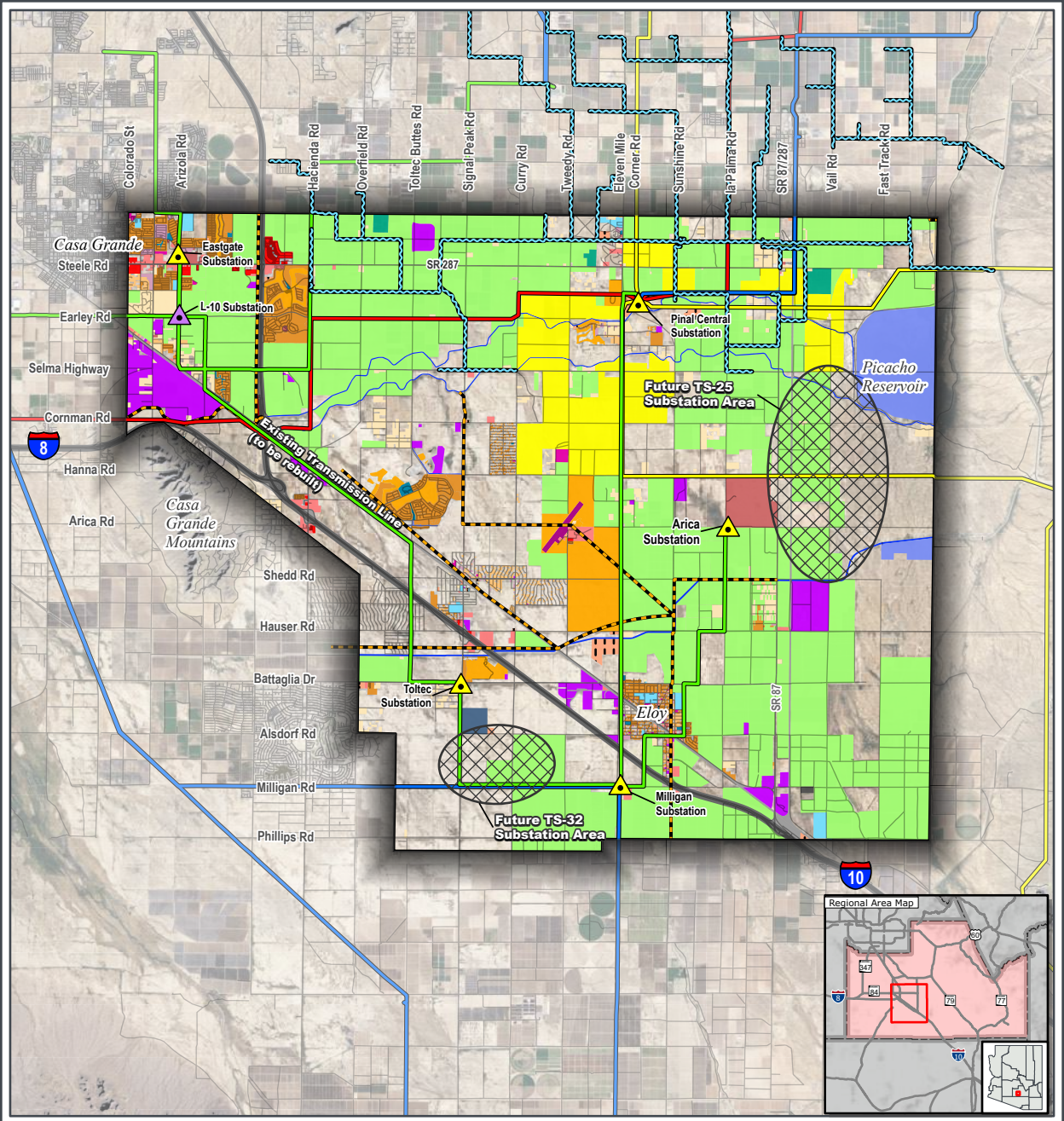
- When siting new electrical facilities, we strive to **minimize impacts** to sensitive resource areas (i.e., residential developments, airports, etc.) and **maximize use of siting opportunities**, including locating near existing linear features and/or compatible land uses (i.e., transmission lines, roads, canals, substations, etc.).

- Examples of factors are depicted in the graphic to the right.



Environmental Considerations

- **Land Use** - compatibility with existing and future land uses, transportation facilities (roadway and aviation), and jurisdictional planning guidelines.
- **Visual** - minimization of impacts to sensitive viewers (residences, parks, and travel routes)
- **Cultural** - avoidance of culturally or archaeologically sensitivity areas
- **Biological** - avoidance of sensitive habitat



APS PINAL ELECTRICAL IMPROVEMENT PROJECT

Existing Land Use

Project Components
- Preliminary Siting Area

Reference Features
- Future Substation
- Future Substation Area
- Interstate
- Road

Existing Infrastructure
- Existing Substation
- 69kV Transmission Line
- 115kV Transmission Line
- 230kV Transmission Line
- 500kV Transmission Line
- HIDD Canal Facilities

Existing Land Use
- Single Family High Density
- Single Family Medium Density
- Single Family Low Density
- Multi-Family Complex
- Commercial High Density
- Commercial Low Density
- Industrial
- Utilities
- Agriculture
- Dairy or Feedlot
- Active Open Space
- Airport
- Canals
- Cemetery
- Educational
- Golf Course
- Passive/Restricted Open Space
- Public/Quasi-Public
- Recreational
- Religious/Institutional
- Solar Generating Stations
- Transportation/ Railroad
- Landfill
- Vacant
- Trail

0 7,500 15,000 Feet
0 1 2 Miles

Pinal County, AZ
NAD 1983 UTM Zone 12N
32.7965°N 111.5967°W
1:200,000

Base Map: Esri ArcGIS Online, accessed November 2024
Updated: 11/14/2024
Project No. 77397
Layout: Existing Land Use
Aprx: 77397_apsPinalEip_1

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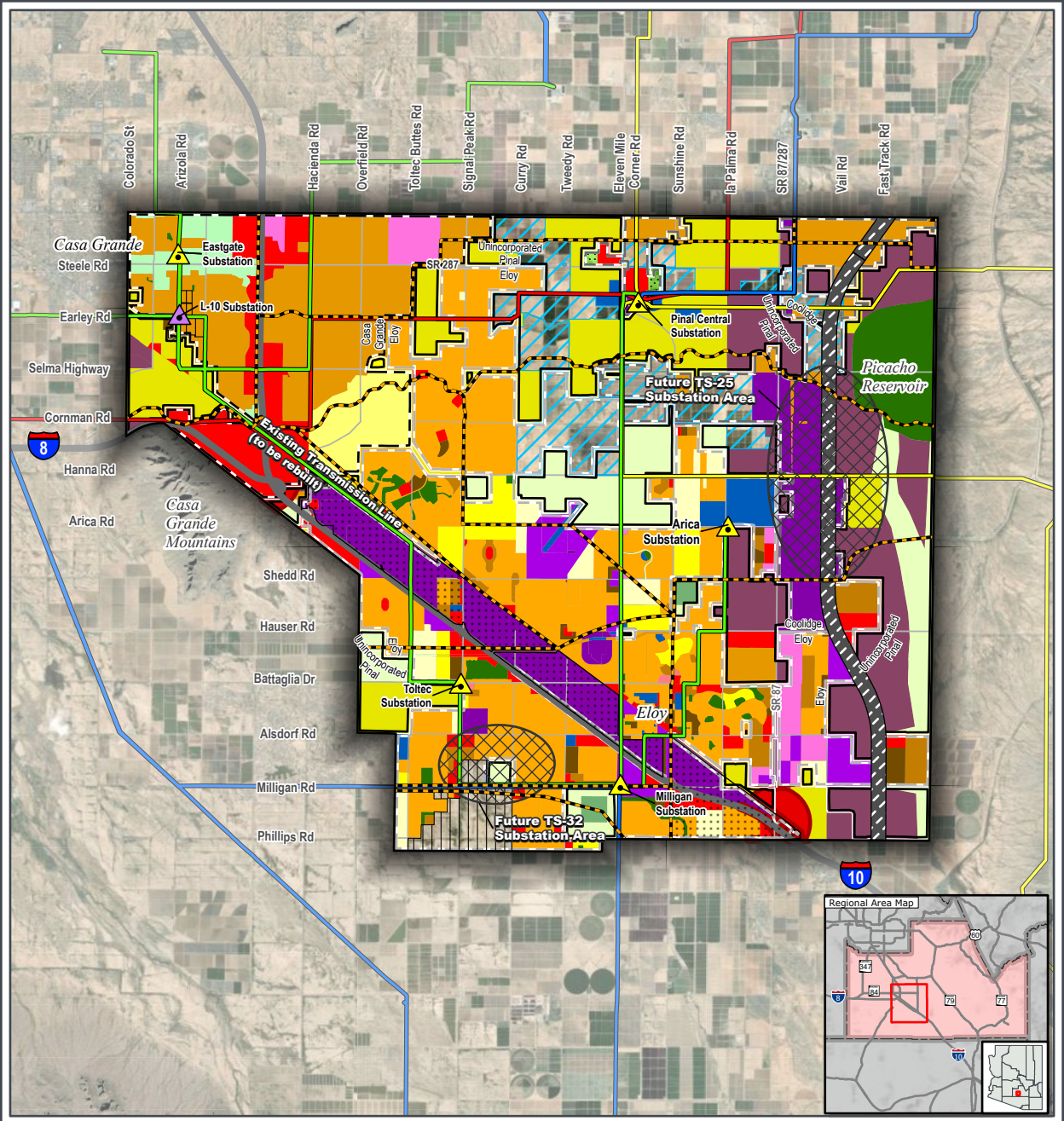

APS PINAL ELECTRICAL IMPROVEMENT PROJECT

Future Land Use

Project Components
- Preliminary Siting Area

Reference Features
- Future Substation
- Future Substation Area
- Interstate
- Road

Existing Infrastructure
- Existing Substation
- 69kV Transmission Line
- 115kV Transmission Line
- 230kV Transmission Line
- 500kV Transmission Line

Jurisdiction
- Casa Grande
- Coolidge
- Eloy
- Unincorporated Pinal

Arizona Department of Transportation
- North-South 1500' Corridor

Development Status
- Conceptual
- Preliminary Plat

Casa Grande General Plan
- Transportation
- Commerce & Business
- Manufacturing / Industry
- Rural
- Neighborhoods
- Community Corridor
- Large Mixed-Use
- Open Space

Coolidge General Plan
- Agriculture
- Business and Commerce
- Industrial and Manufacturing
- Rural Ranch
- Urban Neighborhood
- Transportation
- Green Energy Production

Eloy General Plan
- Community Commercial
- Neighborhood Commercial
- Light Industrial
- General Industrial
- Estate Density Residential
- Low Density Residential
- Medium Density Residential
- Med-High Density Residential
- High Density Residential
- Mixed Use
- Public/Institutional
- Parks/Open Space
- Transportation

Pinal County Comprehensive Plan
- Green Energy Production
- General Commercial
- Very Low Density Residential
- Low Density Residential
- Moderate Low Density Residential
- Medium Density Residential
- High Density Residential
- Employment
- General Public Facilities/Services
- Recreation/Conservation
- Military
- Major Open Space
- Mid Intensity Activity Center
- High Intensity Activity Center
- Transportation
- Green Energy Production
- Proposed/Existing Trails

0 8,000 16,000 Feet
0 1 2 Miles

Pinal County, AZ
NAD 1983 UTM Zone 12N
32.7965°N 111.5967°W
1:200,000

Base Map: Esri ArcGIS Online, accessed November 2024
Updated: 11/14/2024
Project No. 77397
Layout: Future Land Use
Aprx: 77397_apsPinalEip_1

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Opportunity and Constraints Analysis

Identifying Opportunities and Constraints

- We have conducted an evaluation of land uses and environmental resources to identify areas that better accommodate the transmission lines (opportunities), and locations that would be less accommodating for the transmission lines (constraints).

- The criteria shown in the Opportunities and Constraints chart helps us identify route opportunities for the construction, operation, and maintenance of the new facilities. We also try to minimize impacts of the lines to homes or other sensitive areas.

Siting Opportunities

Existing and Future Land Use Opportunities	Opportunity Level
Large Overhead Transmission Lines and Corridors	High
Freeways/Interstates, existing or planned	High
Utilities	High
Canals	Moderate
Major Roadway ROW	Moderate
Arterial Roadways	Low
Railroads	Low
All Other Areas	None

Siting Constraints

Existing Land Use Constraints	Sensitivity Level
Single Family High Density Residential	High
Single Family Medium Density Residential	High
Single Family Low Density Residential	High
Multi-Family Complex	High
Active Open Space	High
Airport	High
Cemetery	High
Educational	High
Religious/Institutional	High
Golf Course	Moderate-High
Recreational	Moderate-High
Commercial High Density	Moderate
Commercial Low Density	Moderate
Public/Quasi-Public	Moderate
Passive/Restricted Open Space	Low-Moderate
Industrial	Low
Utilities	Low
Agriculture	Low
Dairy or Feedlot	Low
Canals	Low
Solar Generating Stations	Low
Transportation/Railroad	Low
Landfill	Low
Vacant	Low

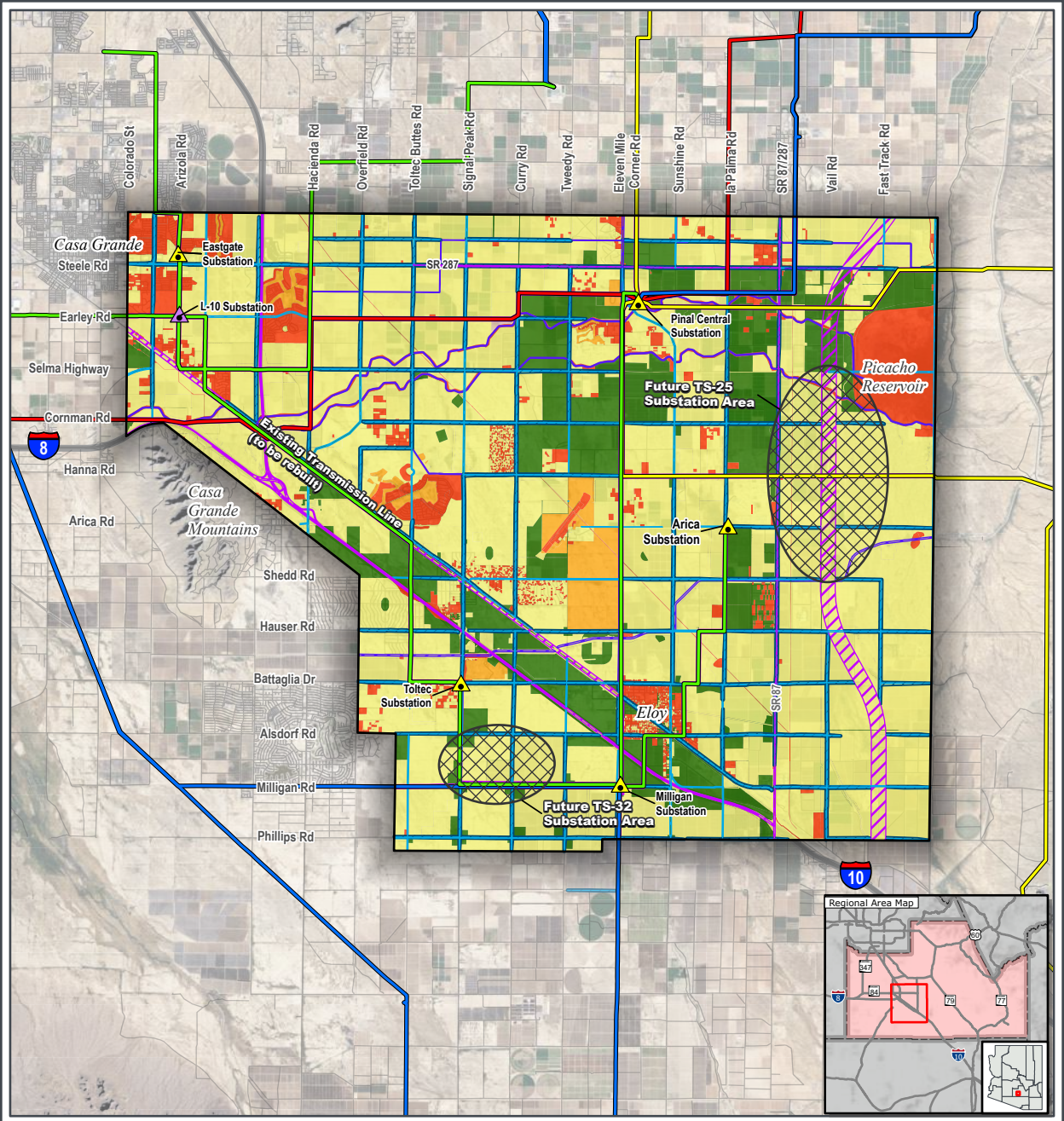
Future Land Use Constraints	Sensitivity Level
General Commercial	Moderate
Very Low Density Residential	Moderate
Low Density Residential	Moderate
Moderate Low Density Residential	Moderate
Medium Density Residential	Moderate
High Density Residential	Moderate
Recreation/Conservation	Moderate
Major Open Space	Moderate
Mid Intensity Activity Center	Moderate
High Intensity Activity Center	Moderate
Neighborhood Commercial	Moderate
Estate Density Residential	Moderate
Med-High Density Residential	Moderate
Mixed Use	Moderate
Parks/Open Space	Moderate
Commerce & Business	Moderate
Rural	Moderate
Neighborhoods	Moderate
Community Corridor	Moderate
Large Mixed-Use	Moderate
Open Space	Moderate
Business and Commerce	Moderate
Rural Ranch	Moderate
Urban Neighborhood	Moderate
Green Energy Production	Low
Employment	Low
General Public Facilities/Services	Low
Military	Low
Community Commercial	Low
Light Industrial	Low
General Industrial	Low
Public/Institutional	Low
Manufacturing / Industry	Low
Agriculture	Low
Industrial and Manufacturing	Low

Cultural Resources Constraints	
Locations of known NRHP-eligible or -listed sites and structures.	High
Areas surveyed before 2004, and sites and structures that have not been evaluated for the NRHP eligibility.	Moderate
Areas surveyed after 2004 with no sites or structures, and sites and structures that have been determined ineligible for the NRHP.	Low

*NRHP=National Register of Historic Places

Natural Resources Constraints	Sensitivity Level
Special designation areas (such as designated critical habitat or other special areas) where the designation prohibits development and areas where species occur in high numbers (e.g., bat roosts or ESA-listed species established territory).	High
Areas where special-status species could occur or special designation areas (e.g., designated wildlife movement areas) do occur, but impacts can be minimized and mitigated.	Moderate
Areas generally compatible with development, including areas where special-status species could occur or special designation areas do occur, but any impacts could easily be mitigated or avoided.	Low

*ESA=Endangered Species Act



APS PINAL ELECTRICAL IMPROVEMENT PROJECT

Overall Opportunities and Constraints

Siting Areas
- Preliminary Siting Area

Reference Features
- Future Substation
- Future Substation Area
- Interstate
- Road

Existing Infrastructure
- Existing Substation
- 69kV Transmission Line
- 115kV Transmission Line
- 230kV Transmission Line
- 500kV Transmission Line

Sensitivity
- Low
- Low-Moderate
- Moderate
- Moderate-High
- High

Opportunities
- Low
- Moderate
- High

0 8,000 16,000 Feet
0 1 2 Miles

Pinal County, AZ
NAD 1983 UTM Zone 12N
32.7965°N 111.5967°W
1:200,000

Base Map: Esri ArcGIS Online, accessed November 2024
Updated: 11/14/2024
Project No. 77397
Layout: Opp Constraint - Overall
Aprx: 77397_apsPinalEip_1

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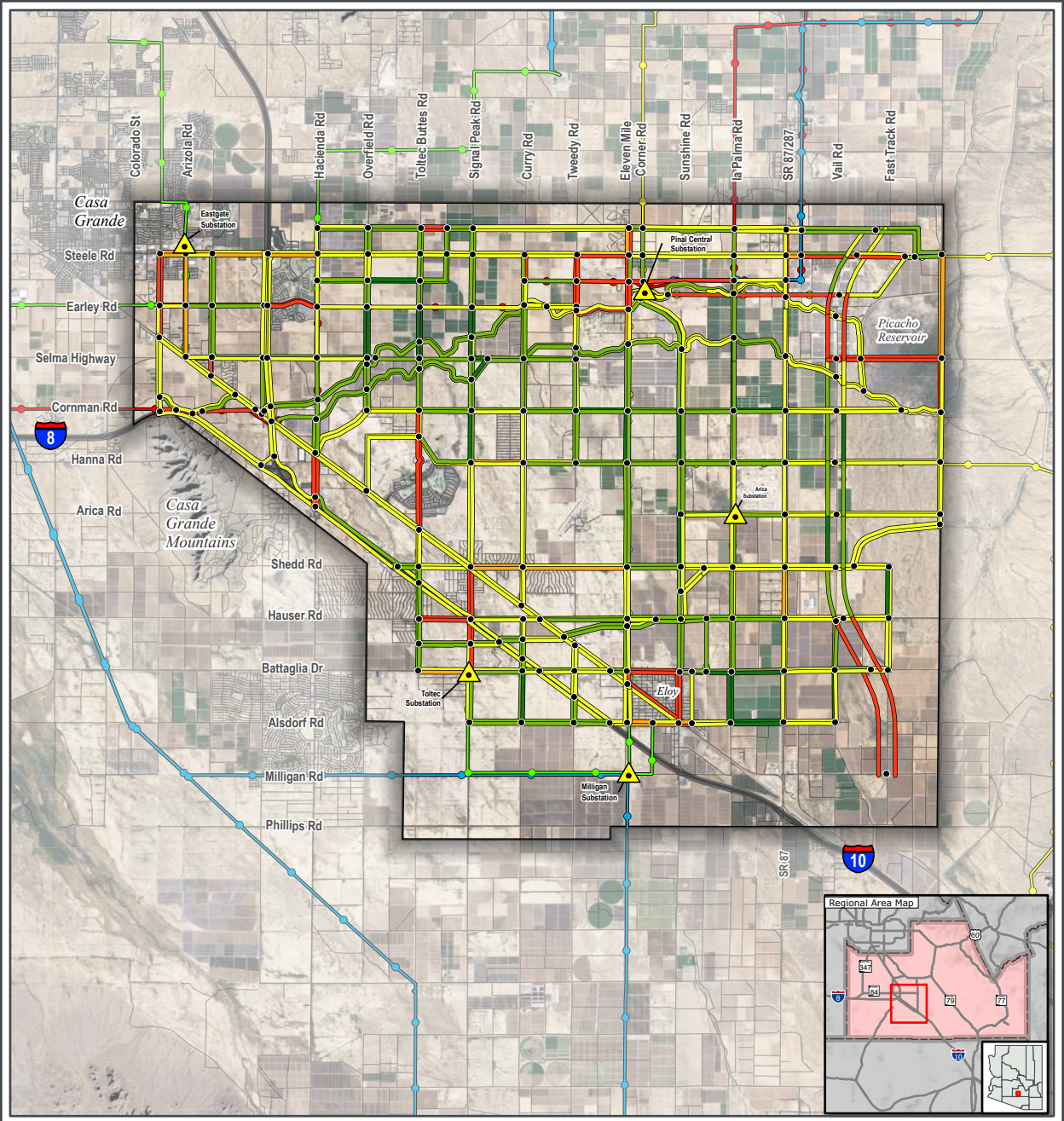
Development of Preliminary Links

- Following the opportunities and constraints mapping and stakeholder outreach activities, we identified preliminary transmission line links focused generally in areas of higher opportunity and/or lower constraint.
- A link is defined as a discrete connection, that when added together with other links, can create a transmission line route.
- Once these links were developed, our team completed a detailed links analysis, including mapping and a study of the compatibility of each link with regard to visual resources, land use, right-of way, engineering, construction/maintenance, and vegetative maintenance.
- Once the overall compatibility was determined, the least compatible links were eliminated from further analysis. Then any links that no longer provided a connection to other links (i.e., were isolated) were eliminated from further consideration.



APS PINAL ELECTRICAL IMPROVEMENT PROJECT

69kV Compatibility Rating

Project Features

- Preliminary Siting Area
- Node (segment endpoints)

Link Overall Compatibility Rating

- 1
- 2
- 3
- 4
- 5

Reference Features

- Future Substation
- Future Substation Area
- Interstate
- Road

Existing Infrastructure

- Existing Substation
- 69kV Transmission Line
- 115kV Transmission Line
- 230kV Transmission Line
- 500kV Transmission Line

0 7,500 15,000 Feet

0 1 2 Miles

Pinal County, AZ
NAD 1983 UTM Zone 12N
32.7931°N 111.5992°W
1:200,000

Base Map: Esri ArcGIS Online, accessed November 2024
Updated: 11/14/2024
Project No. 77397
Layout: Link Rating 69kV
Aprx: 77397_apsPinalEIP_2

N

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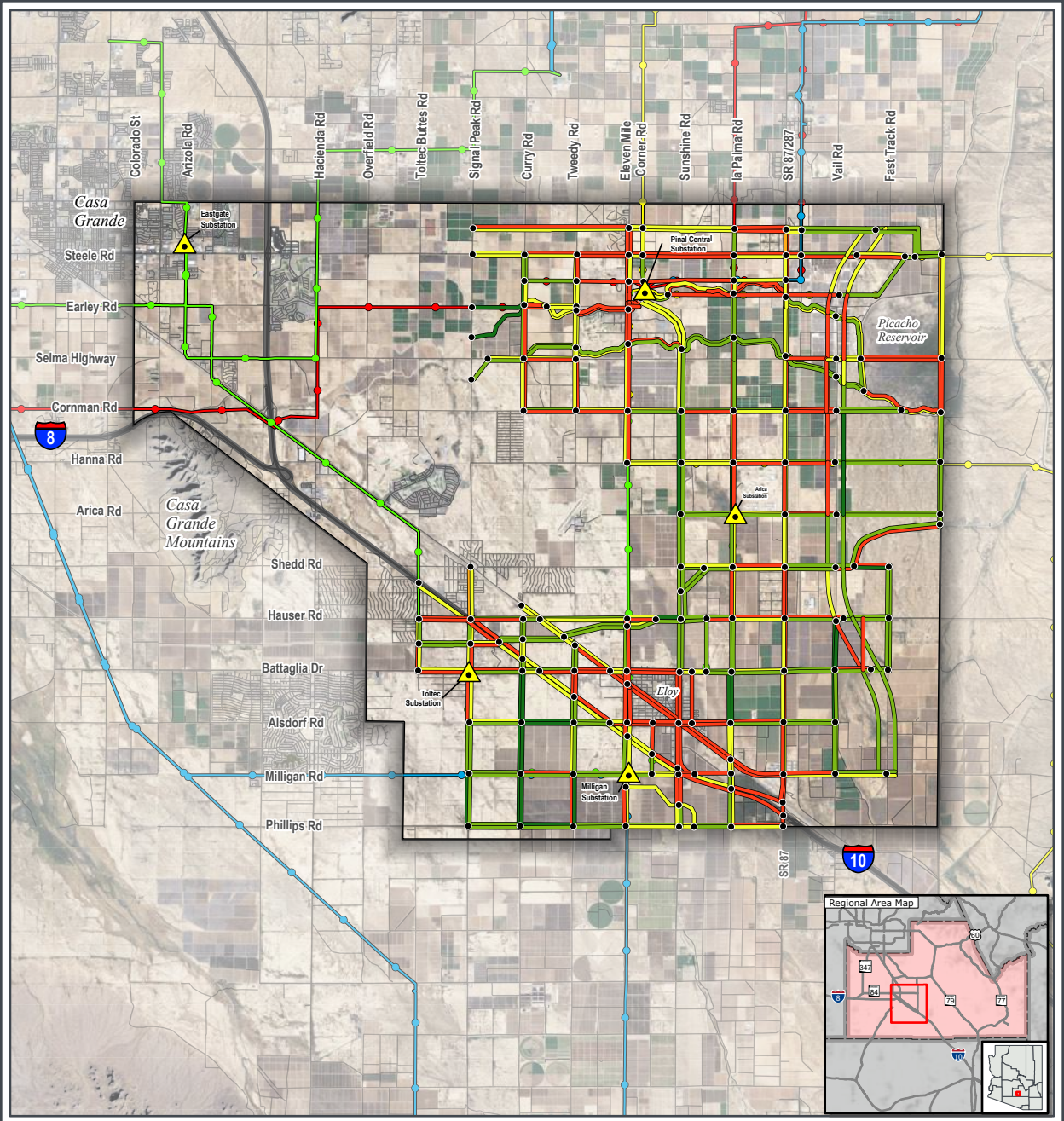

APS PINAL ELECTRICAL IMPROVEMENT PROJECT

230kV Compatibility Rating

Project Features

- Preliminary Siting Area
- Node (segment endpoints)

Link Overall Compatibility Rating

- 1
- 2
- 3
- 4
- 5

Reference Features

- Future Substation
- Future Substation Area
- Interstate
- Road

Existing Infrastructure

- Existing Substation
- 69kV Transmission Line
- 115kV Transmission Line
- 230kV Transmission Line
- 500kV Transmission Line

0 7,500 15,000 Feet

0 1 2 Miles

Pinal County, AZ
NAD 1983 UTM Zone 12N
32.7931°N 111.5992°W
1:200,000

Base Map: Esri ArcGIS Online, accessed November 2024
Updated: 11/14/2024
Project No. 77397
Layout: Link Rating 230kV
Aprx: 77397_apsPinalEIP_2

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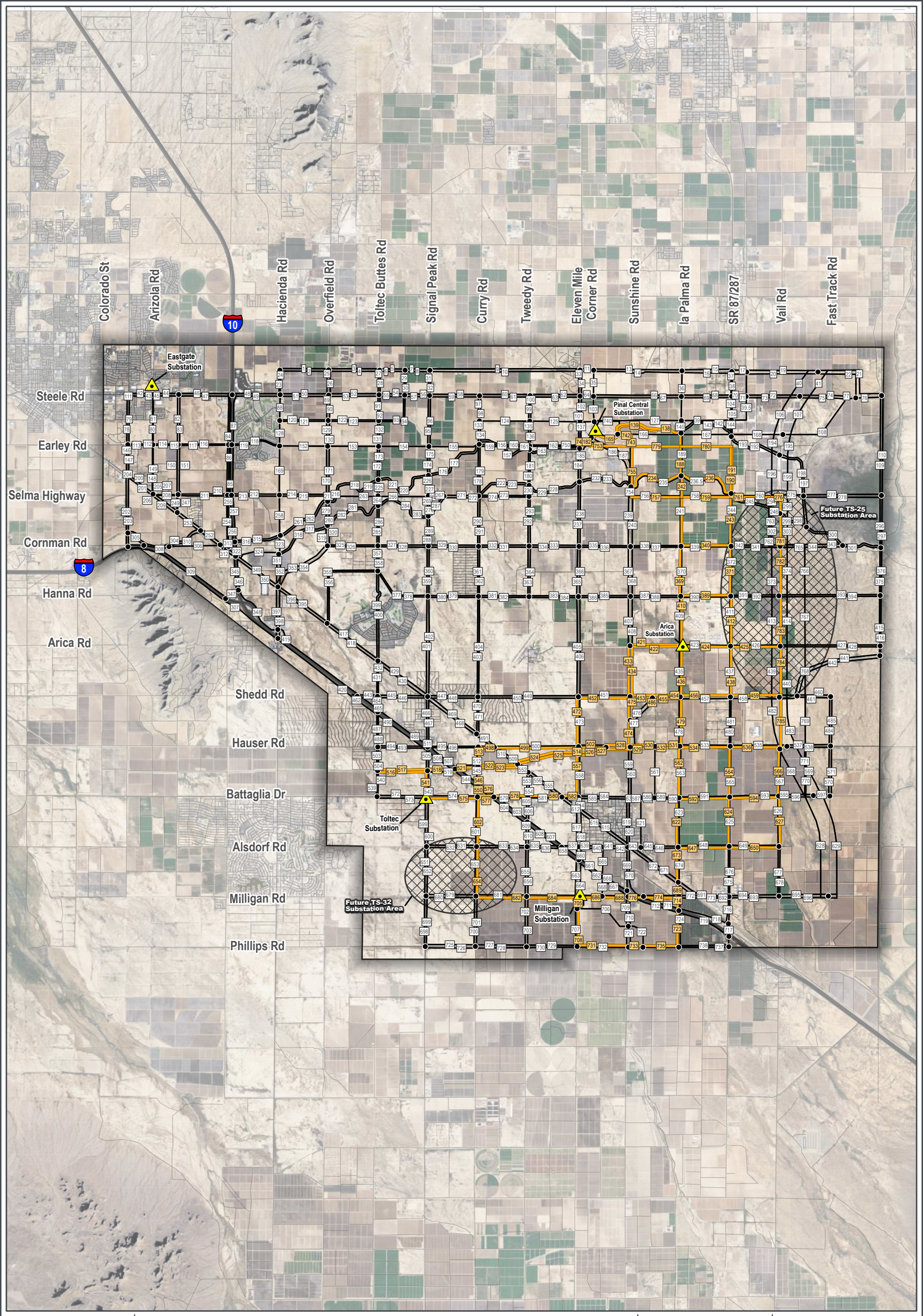

APS PINAL ELECTRICAL IMPROVEMENT PROJECT

Links Considered

Project Features
- Preliminary Siting Area

Alternatives
- Retained Link
- Link Considered and Eliminated
- Node (segment endpoints)

Reference Features
- Future Substation
- Future Substation Area
- Interstate
- Road

Existing Infrastructure
- Existing Substation

Pinal County, AZ
NAD 1983 UTM Zone 12N
32.8031°N 111.6079°W

0 1 2 Miles
0 1 2 Kilometers

N

1:130,000

Base Map: Esri ArcGIS Online, accessed November 2024
Updated: 11/14/2024
Project No. 77397
Layout: Link Considered 11x17
Aprx: 77397_apsPinalEIP_2

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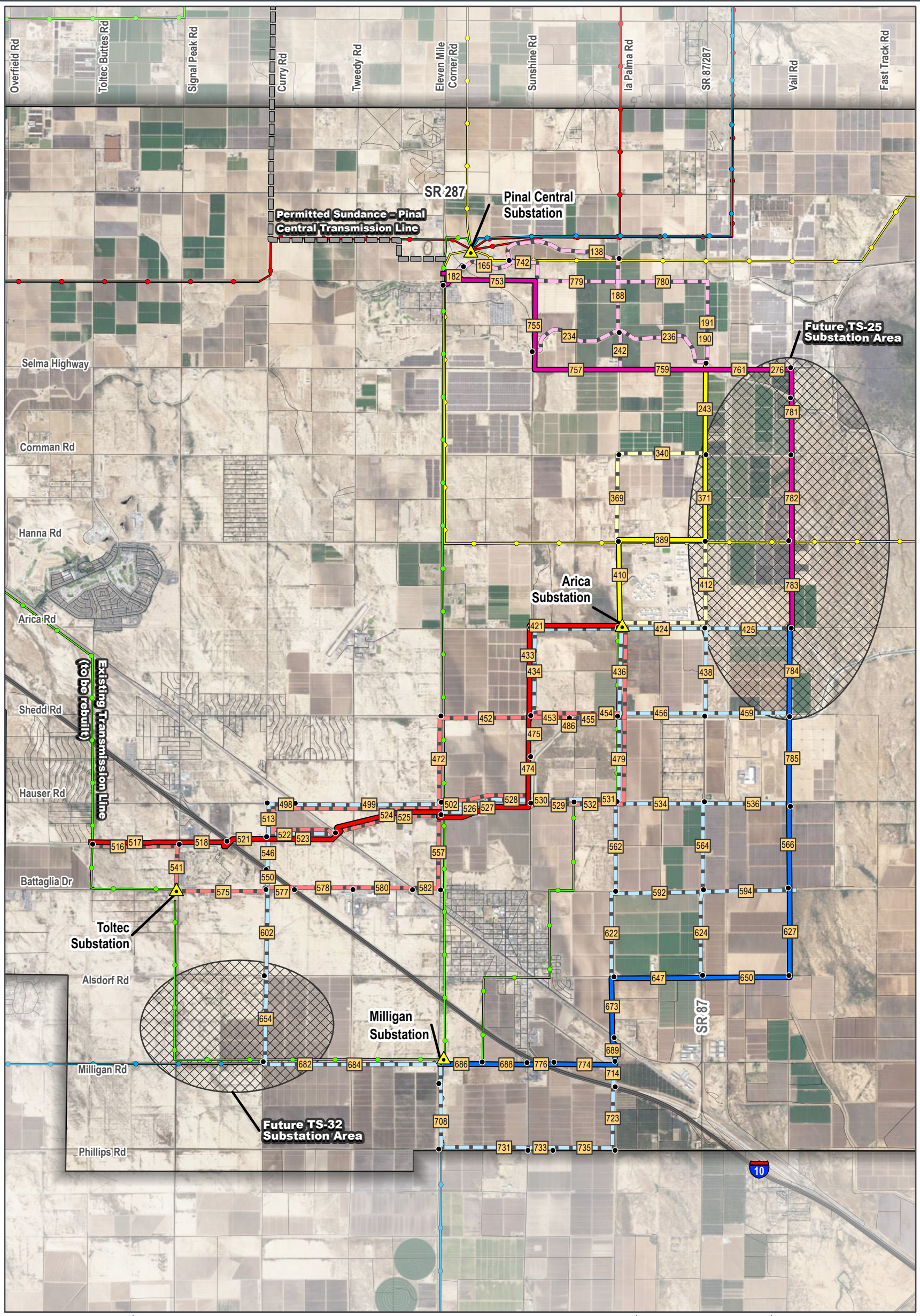
Development of Route Alternatives

- Following the preliminary links review and eliminations, we began reviewing and analyzing the remaining links to develop potential power line routes – or full power line connections to meet the Project need.
- After initial route development, Project route alternatives were mapped, reviewed in the field for applicability and feasibility, refined and in some cases, eliminated to identify routes to be taken to the public and stakeholders for input.
- That review and analysis led to the identification and mapping of a Preferred Route and Alternative Routes for each Project segment, including:

1. **Arica – L10 69kV Transmission Line**
2. **Arica – TS25 69kV Transmission Line**
3. **Pinal Central – TS25 230kV/69kV Transmission Line**
4. **TS25 – Milligan 230kV/69kV Transmission Line**



APS PINAL ELECTRICAL IMPROVEMENT PROJECT

Route Alternatives

Project Features
- Preliminary Siting Area

TS-25 to Pinal Central 230kV Routes
- TS-25 to Pinal Central Preferred Route
- TS-25 to Pinal Central Alternative Routes

TS-25 to Milligan 230kV Routes
- TS-25 to Milligan Preferred Route
- TS-25 to Milligan Alternative Routes

Arica to L-10 69kV Routes
- Arica to L-10 Preferred Route
- Arica to L-10 Alternative Routes

Arica to TS-25 69kV Routes
- Arica to TS-25 Preferred Route
- Arica to TS-25 Alternative Routes

Reference Features
- Future Substation Area
- Permitted Sundance – Pinal Central Transmission Line
- Interstate
- Road

Existing Infrastructure
- Existing Substation
- 69kV Transmission Line
- 115kV Transmission Line
- 230kV Transmission Line
- 500kV Transmission Line

Pinal County, AZ
NAD 1983 UTM Zone 12N
32.8016°N 111.5639°W

0 0.5 1 Miles
0 0.5 1 Kilometers

N

1:75,000

Base Map: Esri ArcGIS Online, accessed November 2024
Updated: 11/14/2024
Project No. 77397
Layout: 77397 Route Alternative Links
Aprx: 77397_apsPinalEIP_2

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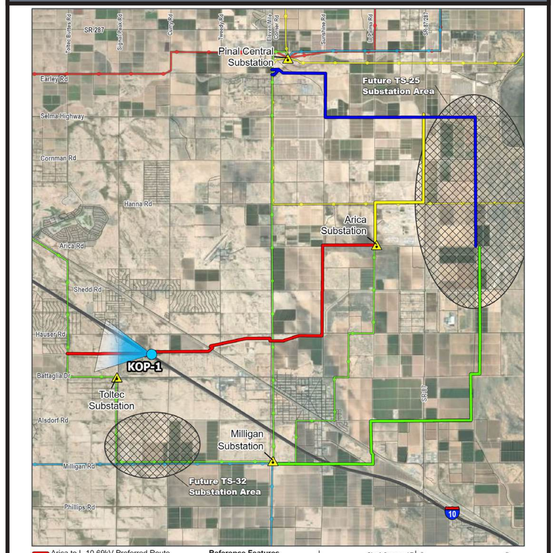
Existing Condition KOP 1: View from Interstate 10 near exit 203 looking west

Viewing Location



Simulated Condition KOP 1: View from Interstate 10 near exit 203 looking west

Typical 69kV Structures

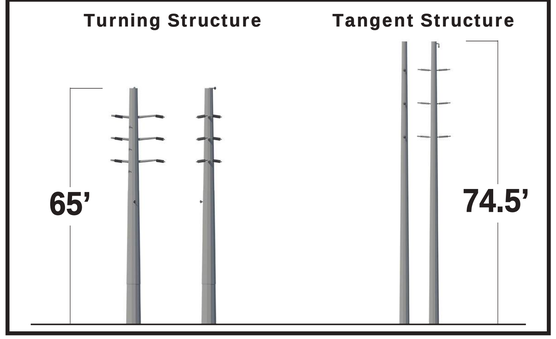


Photo Date and Time: October 8, 2024, 12:15 pm
Sim Completed: November 2024

View Location: Approximate distance to nearest new structure from photo location is 300 feet.

Simulations were prepared using information provided by APS. Structure locations, colors, and heights may be different based on final engineering and design.

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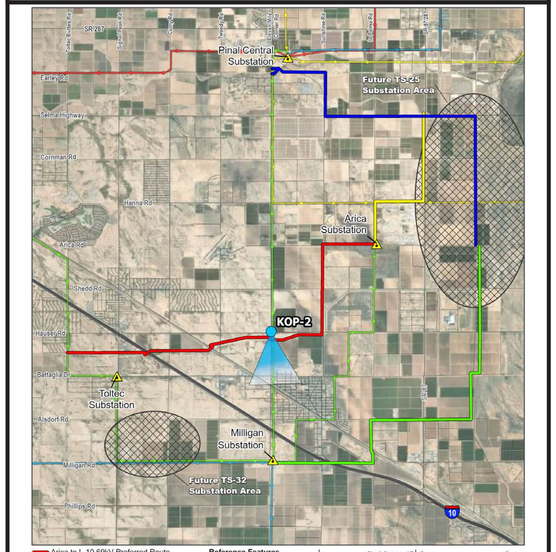
APS Pinal County Electrical Improvement Project | Arica to L10 69kV | Preferred Route

Simulation from KOP 1: View from Interstate 10 near exit 203

Existing Condition KOP 2: View from 11 Mile Corner near West Houser Road looking south

Viewing Location



Simulated Condition KOP 2: View from 11 Mile Corner near West Houser Road looking south

Typical 69kV Structures

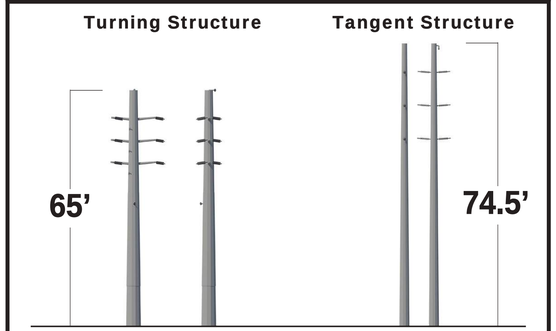


Photo Date and Time: October 8, 2024, 2:16 pm
Sim Completed: November 2024

View Location: Approximate distance to nearest new structure from photo location is 765 feet.

Simulations were prepared using information provided by APS. Structure locations, colors, and heights may be different based on final engineering and design.

aps® SWCA® ENVIRONMENTAL CONSULTANTS

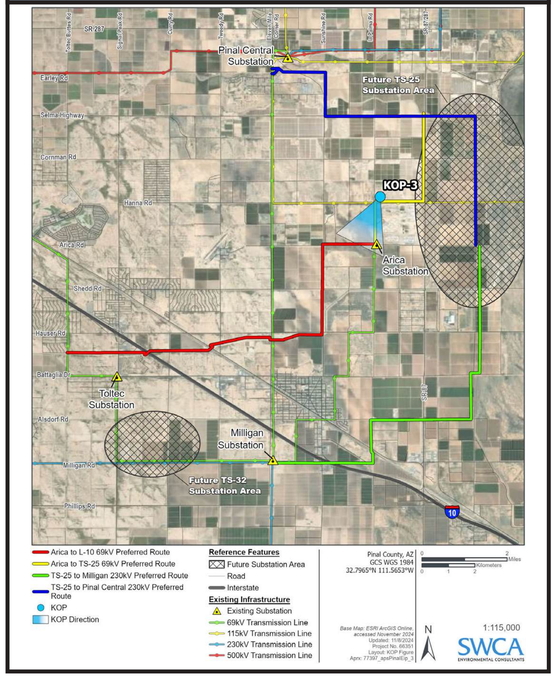
APS Pinal County Electrical Improvement Project | Arica to L10 69kV | Preferred Route

Simulation from KOP 2: View 11 Mile Corner

Existing Condition KOP 3: View from residence at East Blair Road looking southwest

Simulated Condition KOP 3: View from residence at East Blair Road looking southwest

Viewing Location



Typical 69kV Structures

Photo Date and Time: October 8, 2024, 10:37 am
Sim Completed: November 2024

View Location: Approximate distance to nearest new structure from photo location is 820 feet.

Simulations were prepared using information provided by APS. Structure locations, colors, and heights may be different based on final engineering and design.

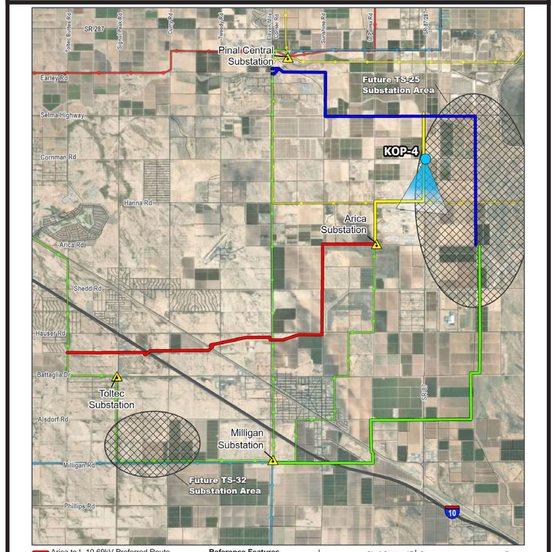
aps® SWCA® ENVIRONMENTAL CONSULTANTS

APS Pinal County Electrical Improvement Project | Arica to TS25 69kV | Preferred Route

Simulation from KOP 3: View from residence at East Blair Road

Existing Condition KOP 4: View from intersection of East Cornman Road and AZ Highway 87 looking south

Viewing Location



Simulated Condition KOP 4: View from intersection of East Cornman Road and AZ Highway 87 looking south

Typical 69kV Structures

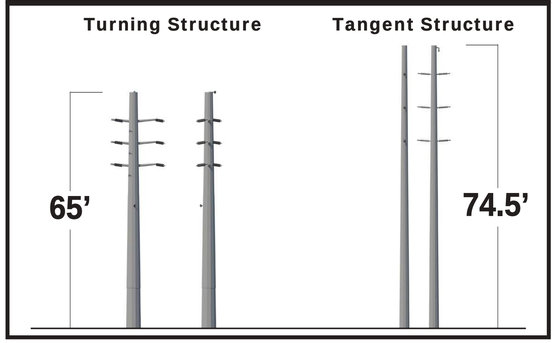


Photo Date and Time: October 8, 2024, 2:29 pm
Sim Completed: November 2024

View Location: Approximate distance to nearest new structure from photo location is 160 feet.

Simulations were prepared using information provided by APS. Structure locations, colors, and heights may be different based on final engineering and design.

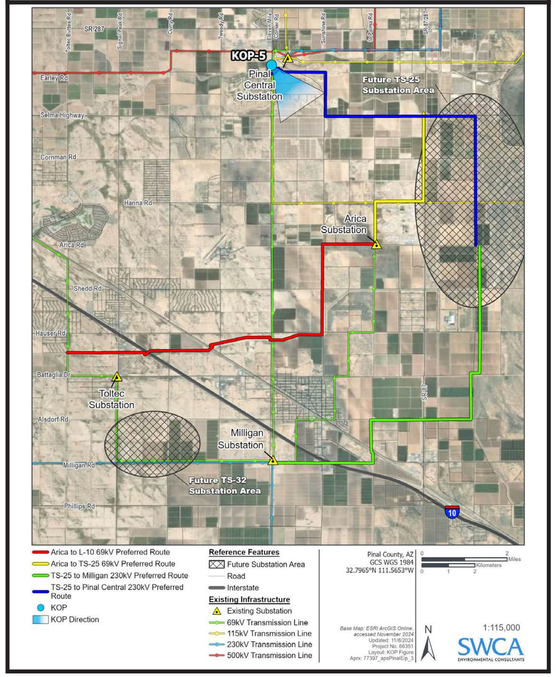
aps® SWCA® ENVIRONMENTAL CONSULTANTS

APS Pinal County Electrical Improvement Project | Arica to TS25 69kV | Preferred Route

Simulation from KOP 4: View from intersection of East Cornman Road and AZ highway 87

Existing Condition KOP 5: View from 11 Mile Corner near Alexis Lane looking southeast

Viewing Location



Simulated Condition KOP 5: View from 11 Mile Corner near Alexis Lane looking southeast

Typical 230kV Structures

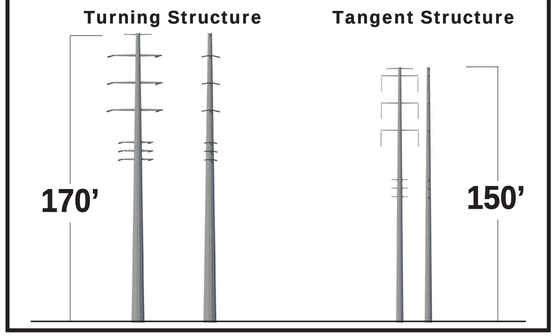


Photo Date and Time: October 8, 2024, 8:53 am
Sim Completed: November 2024

View Location: Approximate distance to nearest new structure from photo location is 850 feet.

Simulations were prepared using information provided by APS. Structure locations, colors, and heights may be different based on final engineering and design.

aps® SWCA® ENVIRONMENTAL CONSULTANTS

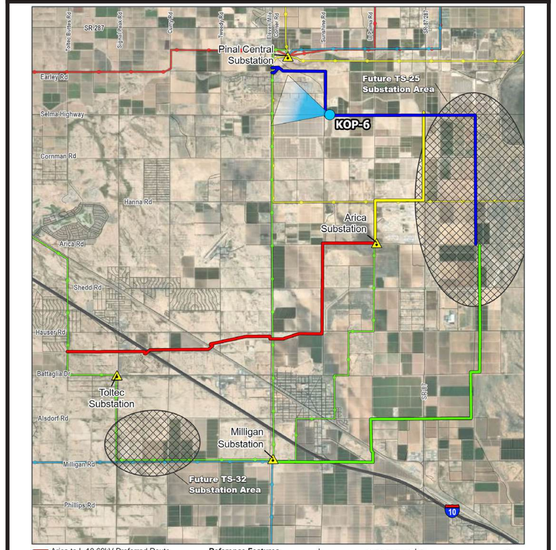
APS Pinal County Electrical Improvement Project | TS25 to Pinal Central 230kV | Preferred Route

Simulation from KOP 5: View from 11 Mile Corner near Alexis Lane

Existing Condition

KOP 6: View from East Selma Highway looking northwest

Viewing Location



Simulated Condition

KOP 6: View from East Selma Highway looking northwest

Typical 230kV Structures

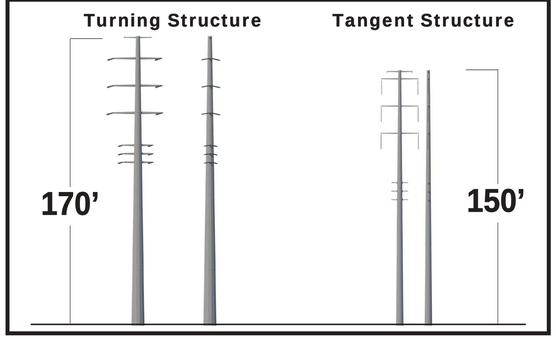


Photo Date and Time: October 8, 2024, 9:54 am
Sim Completed: November 2024

View Location: Approximate distance to nearest new structure from photo location is 500 feet.

Simulations were prepared using information provided by APS. Structure locations, colors, and heights may be different based on final engineering and design.

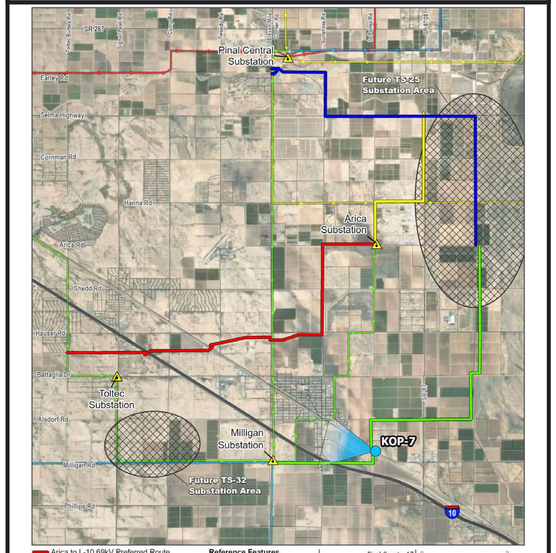
aps® SWCA® ENVIRONMENTAL CONSULTANTS

APS Pinal County Electrical Improvement Project | TS25 to Pinal Central 230kV | Preferred Route

Simulation from KOP 6: View from East Selma Highway

Existing Condition KOP 7: View from Casa Grande-Picacho Highway looking west

Viewing Location



Simulated Condition KOP 7: View from Casa Grande-Picacho Highway looking west

Typical 230kV Structures

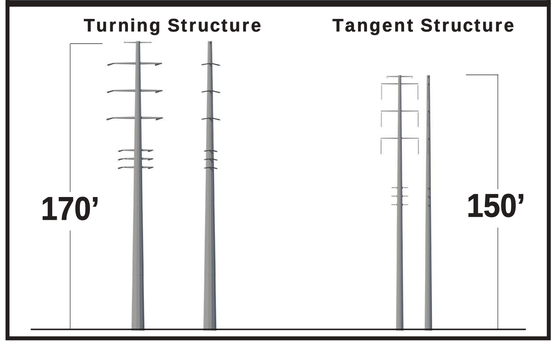


Photo Date and Time: October 8, 2024, 11:47 am
Sim Completed: November 2024

View Location: Approximate distance to nearest new structure from photo location is 500 feet.

Simulations were prepared using information provided by APS. Structure locations, colors, and heights may be different based on final engineering and design.

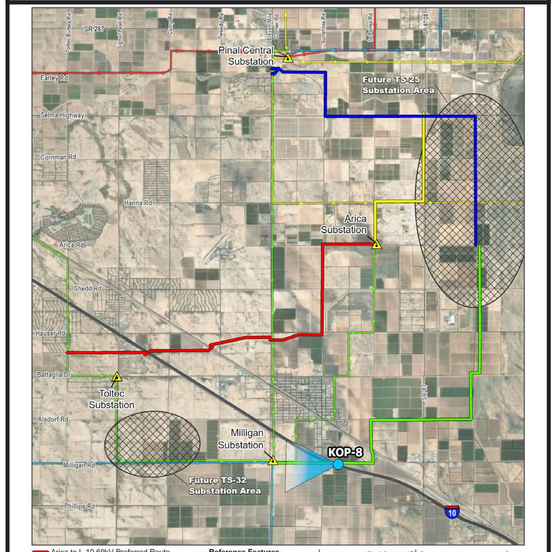
aps® SWCA® ENVIRONMENTAL CONSULTANTS

APS Pinal County Electrical Improvement Project | TS25 Milligan 230kV | Preferred Route

Simulation from KOP 7: View from Casa Grande-Picacho Highway

Existing Condition KOP 8: View from Interstate 10 near exit 206 looking west

Viewing Location



Simulated Condition KOP 8: View from Interstate 10 near exit 206 looking west

Typical 230kV Structures

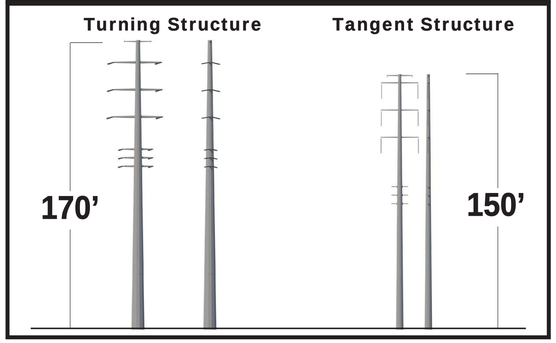


Photo Date and Time: October 8, 2024, 1:14 pm
Sim Completed: November 2024

View Location: Approximate distance to nearest new structure from photo location is 420 feet.

Simulations were prepared using information provided by APS. Structure locations, colors, and heights may be different based on final engineering and design.

aps® SWCA® ENVIRONMENTAL CONSULTANTS

APS Pinal County Electrical Improvement Project | TS25 Milligan 230kV | Preferred Route

Simulation from KOP 8: View from Interstate 10 near exit 206

Identification of Final Routes

- Public review and input is encouraged to assist with the selection of final routes, some of which (TS25 – Pinal Central 230kV/69kV and TS25 – Milligan 230kV/69kV Transmission Lines) will require approval from the Arizona Corporation Commission.

Stakeholder Outreach

Stakeholder Outreach

Outreach To Date Includes

- Pinal County
- Casa Grande, Coolidge, and Eloy, AZ
- Arizona Department of Transportation
- Central Arizona Irrigation and Drainage District
- Hohokam Irrigation and Drainage District
- San Carlos Irrigation Drainage District
- Electrical District No 2
- Skydive Arizona
- Arizona Game and Fish Department
- Arizona Public Service Company
- Over 14,000 Project area residents, businesses and stakeholders via a Project newsletter, along with social media, email and newspaper ads (April 2024, November 2024).

Continuing Outreach

- Currently we are soliciting input and/or questions on the Preferred Routes and Alternative Routes. We will continue to keep you updated on Project progress via our various outreach methods, and we welcome your comments, questions, and input throughout the siting process.

Your Input Is Important!

Comments can be provided via:

- **Virtual Open House: www.pinalopenhouse.com** Click on the public comment form. To submit the form via email, download it, fill out your comments, then click the “Submit” button on the form.
- **Website:** The Project website **www.aps.com/pinalproject** includes the contact information and comment form that are also provided in the virtual open house. You can also check the website later for any Project updates.
- **Email:** Email Lupe Martinez and Stephen Eich, APS Siting Consultants at: **PinalProject@aps.com**
- **Phone:** Contact us at **(520) 482-2818**
- **CEC Hearing:** Public comments will also be heard at the CEC Hearing anticipated in September 2025, and the ACC Open Meeting anticipated in October 2025.

Scan to visit pinalopenhouse.com

Scan to visit aps.com/pinalproject