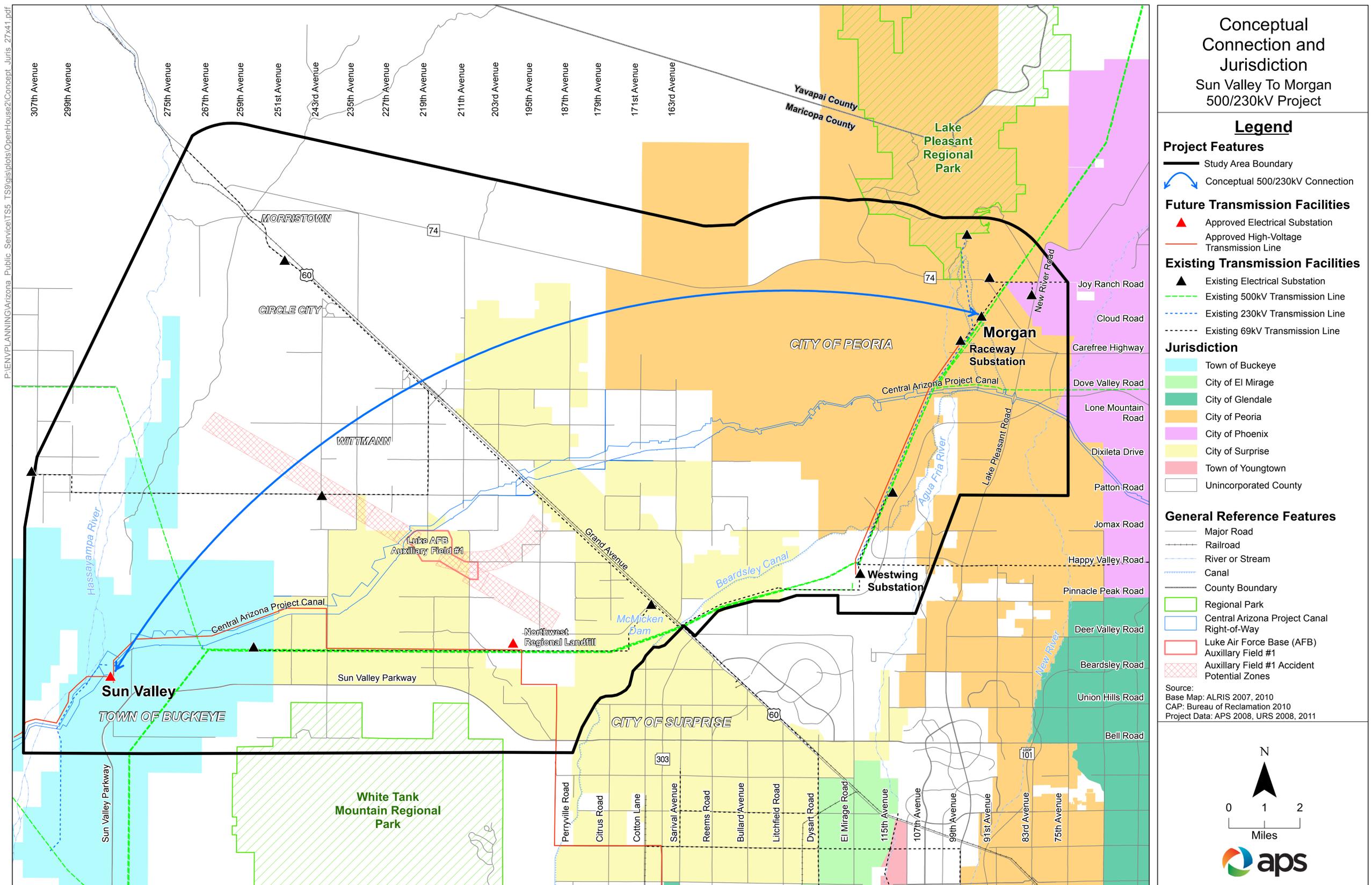


Rationale for the Project

- Completes a continuous 500kV source from Palo Verde to the northeast valley
- Increases capability to move electricity from Palo Verde to the Phoenix metropolitan area by 600MW (enough to supply power to 150,000 residences)
- The project has been identified in APS' Renewable Transmission Action Plan
- Provides added reliability to the region's 500kV system and helps relieve transmission congestion
- The APS transmission system requires a mid-2016 in-service date for the 500kV circuit
- 230kV component provides the transmission backbone for future load serving capability for the northwest valley
- Co-locates 230kV line with 500kV line on same structures, increasing cost savings and reducing environmental impacts while eliminating future 230kV line siting efforts
- Ties together existing and planned 230kV and 69kV systems in the northwest valley

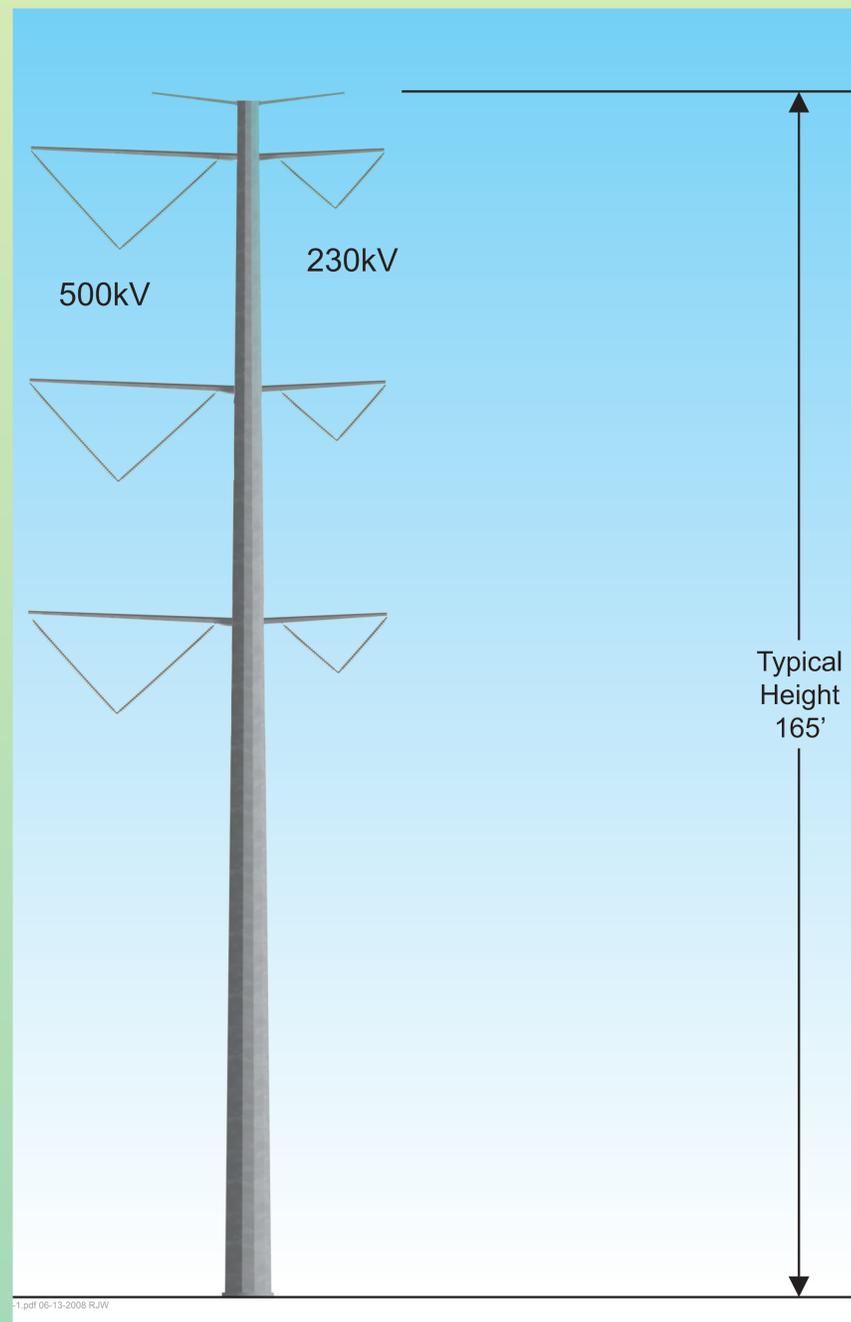
Conceptual Connection and Jurisdiction



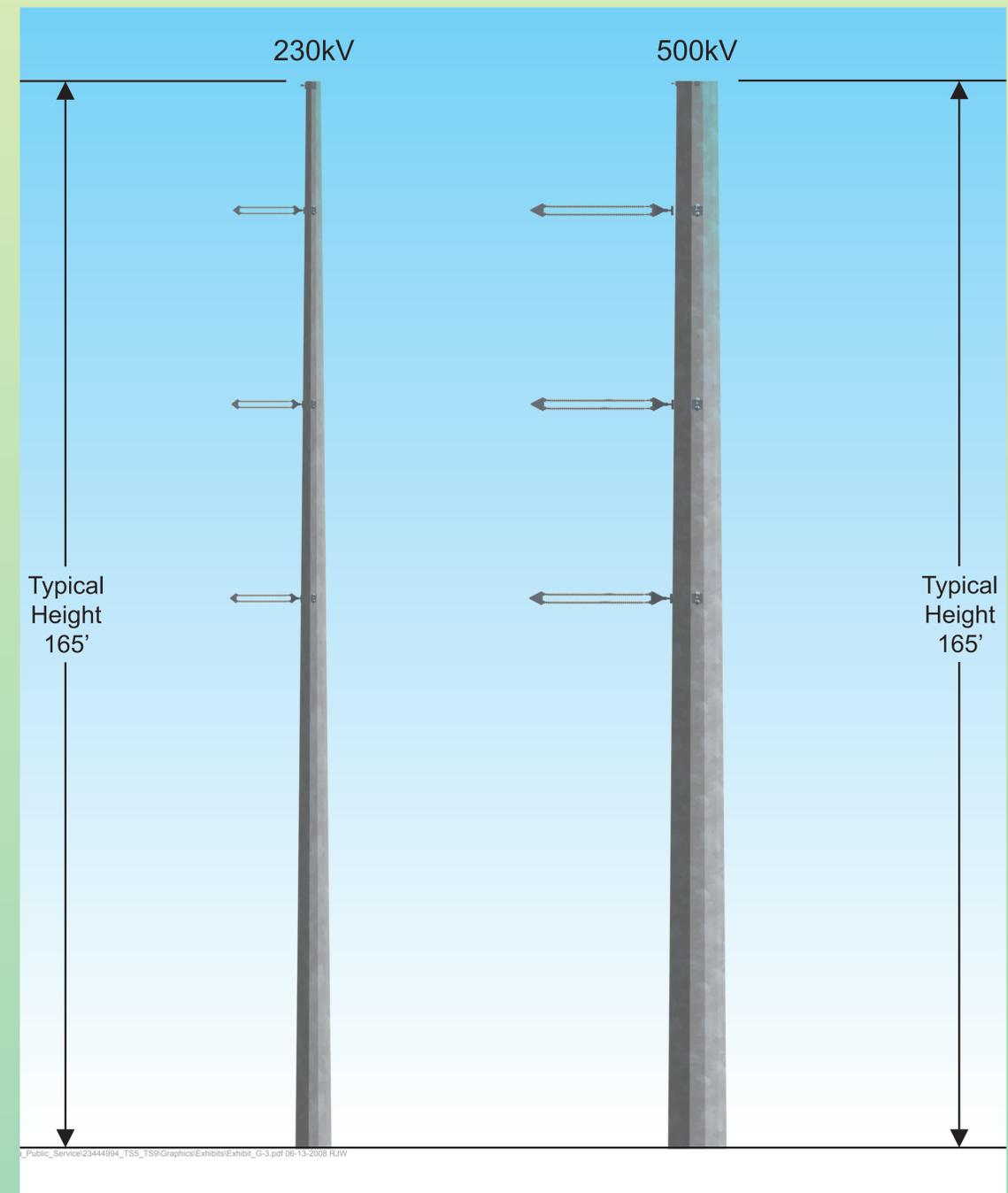
Project Description

■ Line Length	Approximately 40 miles
■ Project Type	Single circuit 500/230kV
■ Structure Type	Tubular pole or lattice
■ Structure Height	135 to 195 feet
■ Span Between Poles	800 to 1,400 feet
■ Right-of-Way Width	200 feet

Representative Monopole Structures

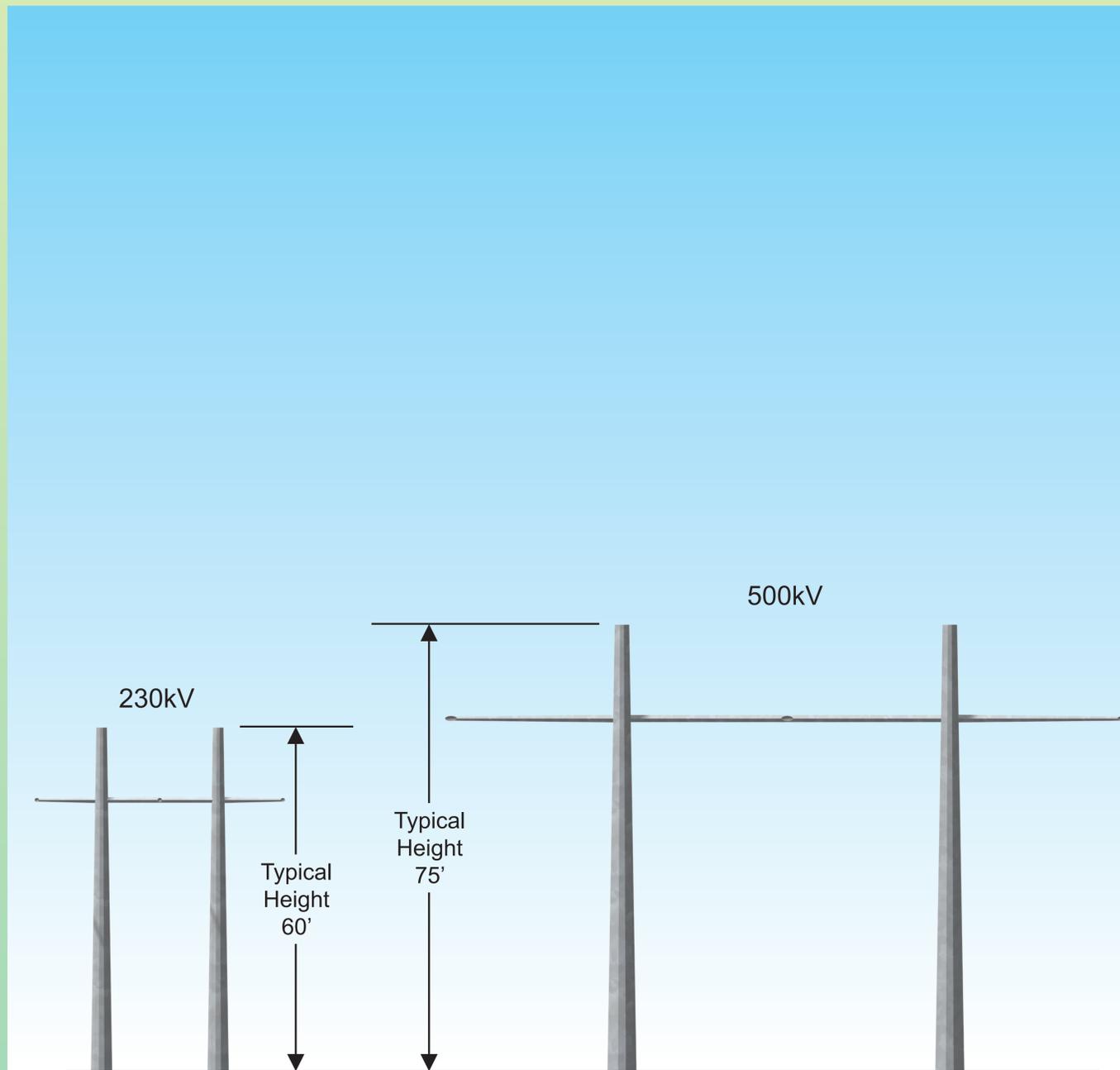


Typical 500kV/230kV Tangent Pole (Galvanized)

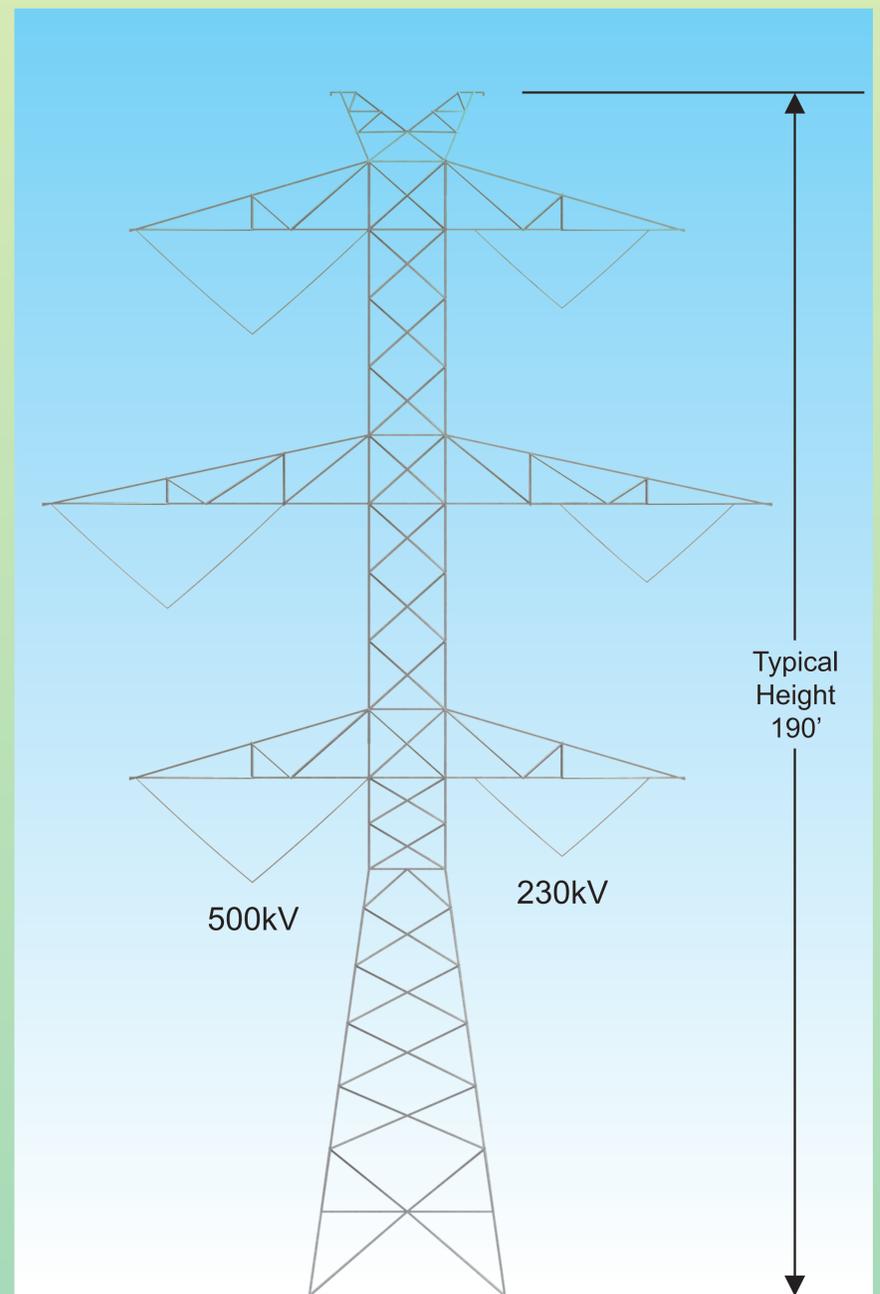


Typical 230kV and 500kV Line Angle Poles (Galvanized)

Representative H-Frame and Lattice Tower Structures



Typical 230kV and 500kV H-Frame Structure (Galvanized)



Typical Double Circuit 500kV/230kV Tangent Lattice Tower

Opportunities

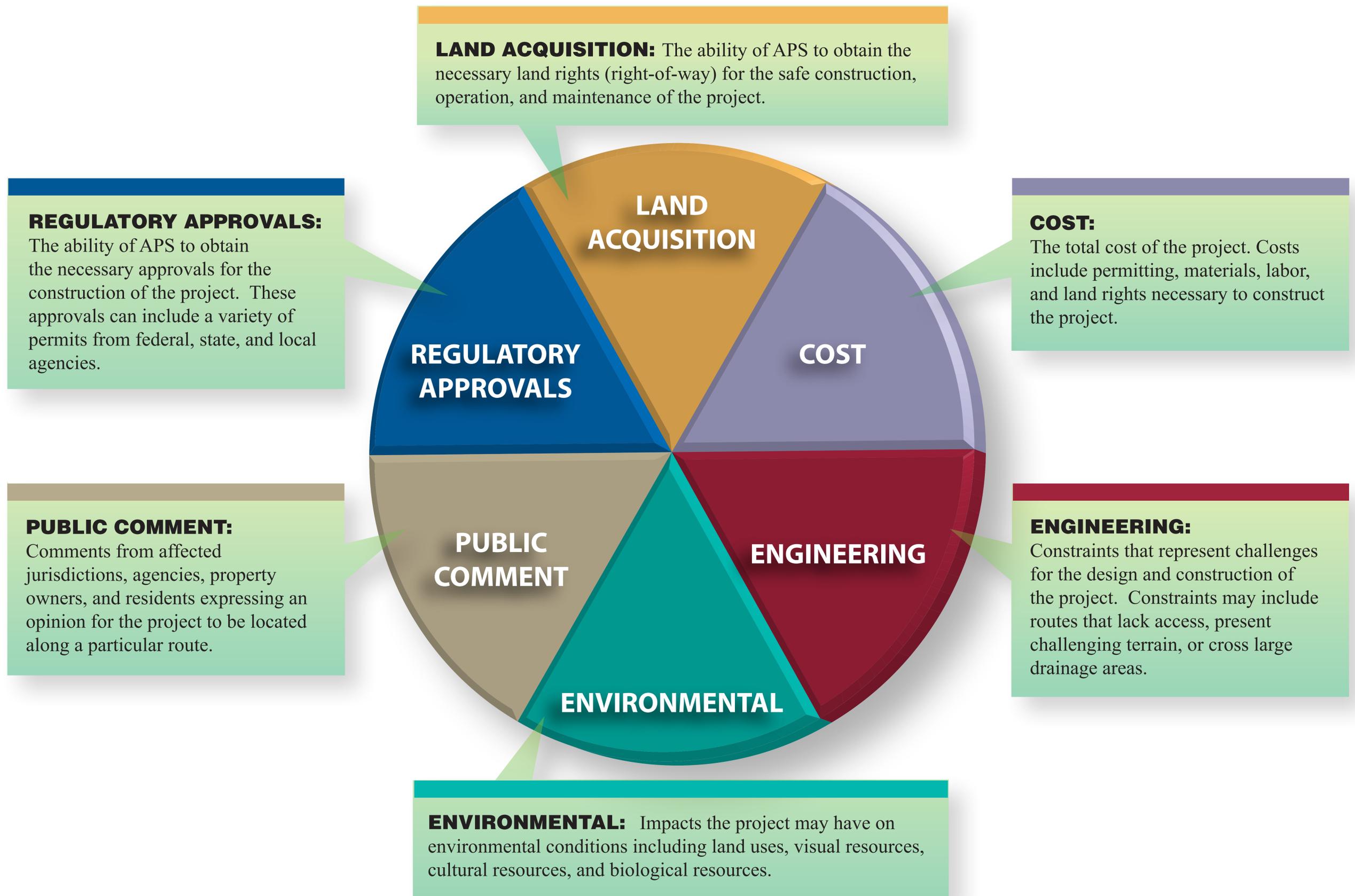
- Existing linear features (roads, canals, transmission line, and other utility corridors)
- Property boundaries or section lines



Constraints

- Land uses (schools, parks, airports, or existing residential development)
- Sensitive areas (for scenic, biological, or cultural resources)

APS Project Siting Considerations



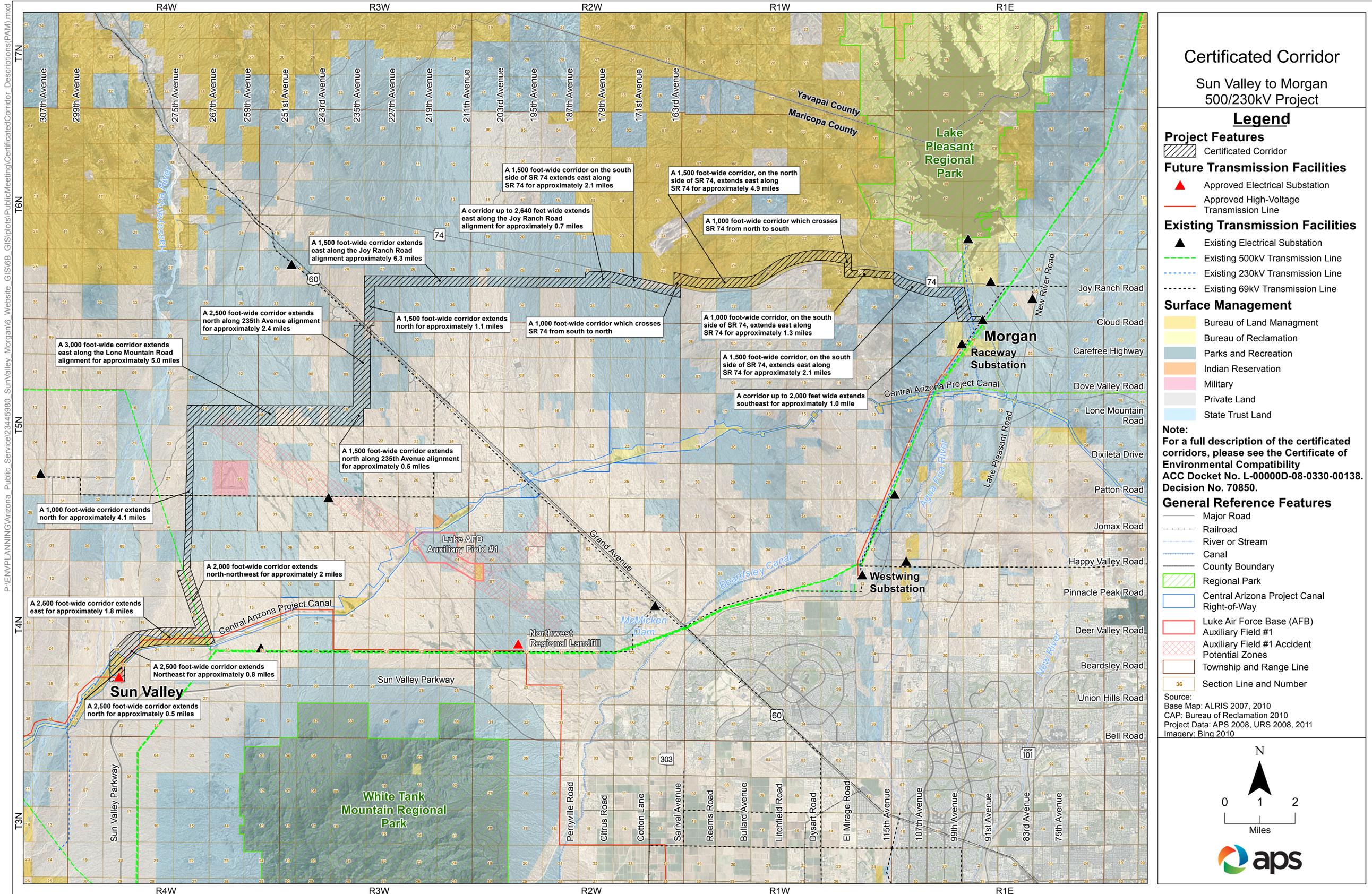
APS Project History and Milestones

- In 2003, the 500kV circuit was first identified in APS' Ten-Year Plan. The 230kV circuit was identified in the 2008 plan.
- In 2007-2008, APS conducted technical, routing, and environmental studies with extensive public involvement.
- APS filed an application for a Certificate of Environmental Compatibility application in July 2008.
- The Arizona Corporation Commission approved a corridor in March 2009 that traversed BLM lands.
- APS filed an application for a right-of-way with the BLM on April 29, 2009.
- In April 2010, the BLM rejected the APS right-of-way application based on non-conformance with the Bradshaw-Harquahala Resource Management Plan (RMP) that was finalized in April 2010.
- In May 2010, APS appealed BLM's rejection of the right-of-way application.
- APS and other stakeholders participated in discussions with BLM between October and December 2010.
- In December 2010, BLM agreed to process the right-of-way application and associated RMP amendment which triggered this EIS process.
- EIS Notice of Intent published on April 11, 2011.

Certificate of Environmental Compatibility Process Summary

- An application for a Certificate of Environmental Compatibility (CEC) was filed in July 2008.
- 16 days of public hearings were conducted before the Arizona Power Plant and Transmission Line Siting Committee.
- 17 interveners were present representing agencies, cities, developers, and homeowner associations.
- APS appeared before the Arizona Corporation Commission (ACC) for 2 days for an open meeting and to hear public comments.
- The ACC approved the CEC in March 2009.

Certificated Corridor



Near the Central Arizona Project Canal and 287th Avenue, Viewing North



Existing Conditions

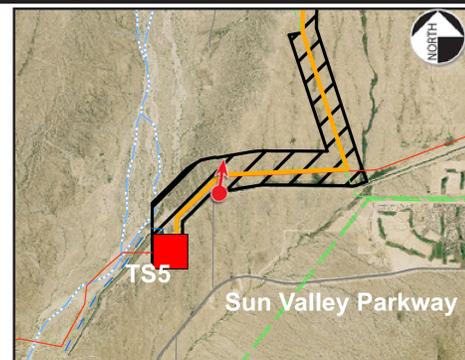


Simulation

Study Area



Viewpoint Location



Photograph Information

Time of photograph: 2:37 PM
 Date of photograph: May 21, 2008
 Weather condition: Clear
 Viewing direction: North
 Latitude: 33° 40' 31.92" N
 Longitude: 112° 40' 37.09" W

P:\ENVI\PLANNING\Arizona_Public_Services\23444994_TS5_TSR\Sim\pds\Enviro_report_simulation\Figure_3-11.pdf 6/11/2008 DWL

Near Existing Mead-Phoenix Transmission Line (North of CAP), Viewing Southwest



Existing Conditions

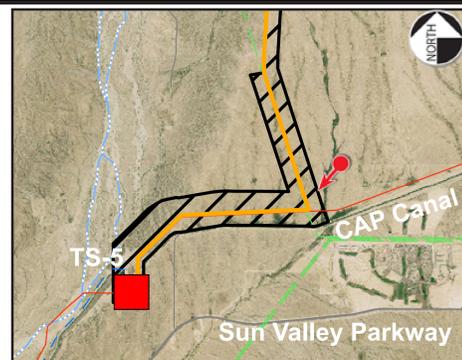


Simulation: Includes simulation of West Valley North 230kV/69kV transmission line (previously permitted but not yet constructed).

Study Area



Viewpoint Location



Photograph Information

Time of photograph: 2:38 PM
 Date of photograph: February 21, 2008
 Weather condition: Clear
 Viewing direction: Southwest
 Latitude: 33° 41' 22.61" N
 Longitude: 112° 38' 14.67" W

P:\ENVY\PLANNING\Arizona_Public_Service\2444894_TS5_TSP\Sims\9055\Enviro_report_simulations\Figure_37.pdf 6/11/2008 DML

Lone Mountain Road and 235th Avenue, Viewing East



Existing Conditions

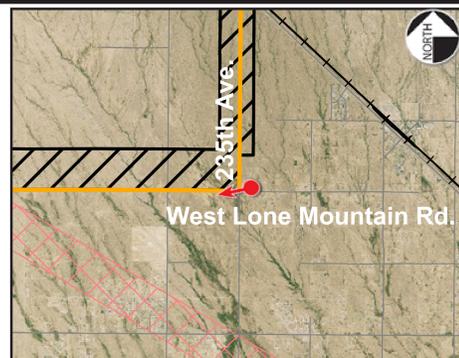


Simulation

Study Area



Viewpoint Location



Photograph Information

Time of photograph: 3:12 PM
Date of photograph: February 25, 2008
Weather condition: Clear
Viewing direction: East
Latitude: 33° 46' 3.61" N
Longitude: 112° 34' 0.30" W

U.S. 60 Near 235th Avenue, Viewing Northwest



Existing Conditions

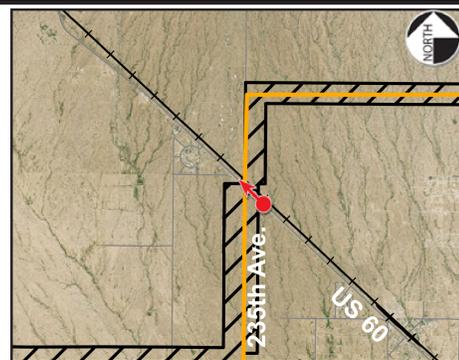


Simulation

Study Area



Viewpoint Location



Photograph Information

Time of photograph: 12:55 PM
Date of photograph: February 21, 2008
Weather condition: Clear
Viewing direction: Northwest
Latitude: 33° 48' 19.00" N
Longitude: 112° 33' 48.53" W

Thunder Ridge Airpark West of 235th Avenue, Viewing East



Existing Conditions

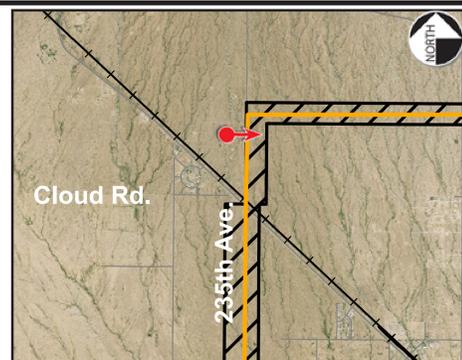


Simulation

Study Area



Viewpoint Location



Photograph Information

Time of photograph:	12:17 PM
Date of photograph:	February 21, 2008
Weather condition:	Clear
Viewing direction:	East
Latitude:	33° 49' 25.90" N
Longitude:	112° 34' 22.01" W