

APS North Valley Project Scatter Wash Substation

APS will be constructing a new electrical substation to serve the north Phoenix area. This substation will help APS provide reliable and quality electrical service to our residential and commercial customers of the north valley for many years into the future.






PROJECT HISTORY

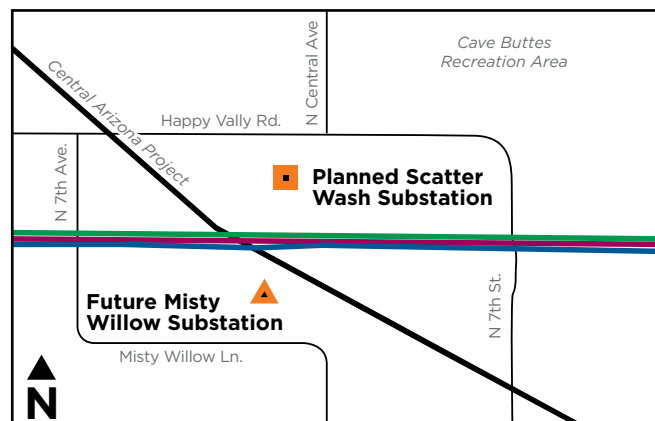
In 2003, as part of the North Valley 230kV Facility Siting Project, a Certificate of Environmental Compatibility (CEC) was obtained from the Arizona Power Plant and Transmission Line Siting Committee for a new 230,000-volt (230kV) electric transmission line and substation. This CEC was subsequently approved by the Arizona Corporation Commission during a public open meeting in June 2003. The siting project engaged the public through newsletters and open house events with public hearings held by the Siting Committee as part of the formal State Siting process. The CEC also approved the Misty Willow Substation.

SUBSTATION LOCATION

The Misty Willow Substation originally was shown south of the existing transmission corridor and west of the Central Arizona Project (CAP) canal. During the land acquisition phase for the substation property it was determined that land for the substation was more readily available and less costly on the north side of the existing electrical corridor and east of the CAP canal. Additionally, the Misty Willow Substation has been renamed as the Scatter Wash Substation and now is located north of the existing transmission corridor and east of the CAP canal. The original site south of the transmission corridor will be used in the future for a smaller substation, which will step-down the voltage to 12,000 volts (12kV) and provide for future growth in the area. Notice will be provided to customers and land owners in the area prior to any construction activities taking place.

Legend

-  500kV Power Line
-  230kV Power Line
-  Pipeline
-  230/69kV Substation
-  69/12kV Substation



SUBSTATION CONSTRUCTION

The planned Scatter Wash Substation will connect to a recently constructed 230kV transmission line located approximately one-quarter mile south of Happy Valley Road. The substation will reduce the voltage to 69,000 volts (69kV) and will connect to the existing power system with 69kV power lines exiting the substation. Several of the general routes for these planned 69kV lines originally were identified during the North Central Facility Siting Project in 2001. Construction is expected to begin in the first quarter of 2012 with the substation being fully operational by summer 2013. These dates could be advanced or delayed due to increased electrical needs and other factors in the general area. Notice will be provided to customers and land owners in the area prior to any construction activities taking place.

APS will work closely with the city of Phoenix during the permitting process to incorporate the city's guidelines into the final design of the site and substation enclosure. APS intends to incorporate the look and feel of current and proposed developments in the area into the substation design. Engineering and permitting activities will take place throughout 2011. As part of the construction project, Happy Valley Road will be widened to the south. An east-bound turn lane for traffic going north on Central Avenue will be added as part of the road widening in front of the Scatter Wash Substation. The substation site will be landscaped to blend with the surrounding area after construction completion in accordance with city of Phoenix requirements.

Questions?

Questions on the project can be directed to Brad Larsen at 602 493 4338 or by email at brad.larsen@aps.com.