

500kV TRANSMISSION LINE

PALO VERDE–PINAL WEST AND PINAL WEST–ABEL/BROWNING 500kV/230kV

The construction of additional transmission to fortify the statewide delivery system is critical in meeting regional energy needs. In order to address this need, SRP and other utilities are developing a 500 kilovolt (kV) transmission line to transport power from the

area of the Palo Verde energy hub, near Palo Verde Nuclear Generating Station, to new substations throughout Pinal County and finally to the Browning Substation in the East Valley.

PROJECT SCOPE

- The transmission line will span approximately 150 miles.
- The transmission line will provide greater reliability to the power grid in central Arizona.
- The project began as one but was divided into two projects, Palo Verde to Pinal West (PV-PW) and Pinal West to Southeast Valley/Browning (PW-SEV/BRG).
- Following the permitting of the transmission line, the Southeast Valley Substation was officially named “Abel” and the Pinal South Substation was renamed “Pinal Central”.
- PV-PW transmission line will connect the Palo Verde energy hub, west of Phoenix, to the new Pinal West Substation, near Hidden Valley in western Pinal County. (See map on reverse side.)
- PW-SEV/BRG transmission line will connect the Pinal West Substation to the Santa Rosa Substation southeast of the City of Maricopa, the future Pinal Central Substation near the Pinal County Fairgrounds, the future Abel Substation in northeast Pinal County near Florence, and finally to the existing Browning Substation in East Mesa. (See map on reverse side.)
- These two projects are planned jointly by the Salt River Project (SRP), Tucson Electric Power Company, Electrical District Number 2, Electrical District Number 3, Electrical District Number 4 and Southwest Transmission Cooperative Inc. The project is managed by SRP.
- The PV-PW and PW-SEV/BRG projects will be constructed in compliance with all environmental and cultural resource requirements. This will include air quality, water quality, native plant and sensitive species requirements.

PROJECT TIMELINE

Project Initiation

- In January 2000, the Arizona Corporation Commission requested coordination on transmission needs throughout the state of Arizona.
- In 2001, more than 20 public and private utility companies, with participation by the Arizona Corporation Commission staff, collaboratively prepared a transmission study of regional scope. The objective of this study, Central Arizona Transmission System (CATS), was to analyze system reliability, capacity and increasing demand for energy delivery into central Arizona, and to plan for any additional required transmission.
- The results of the first CATS study was announced in July 2001. As a result of CATS, new transmission was planned for central Arizona.

Palo Verde to Pinal West

- Arizona Corporation Commission approval May 18, 2004.
- Line energized October 2008.

Pinal West to Abel/Browning

- Arizona Corporation Commission approval August 16, 2005.
- The Browning to Dinosaur 500/230kV portion of the line was built and energized in 2007 (double circuit 500kV and 230kV).
- The Pinal West to Santa Rosa to Pinal Central portion of the line is scheduled to be energized in 2013. (500kV with a 230kV circuit optional).
- The portion of the line from Pinal Central to Abel to Dinosaur is a double circuit 500/230kV and is scheduled to be energized in 2011.

PUBLIC PROCESS

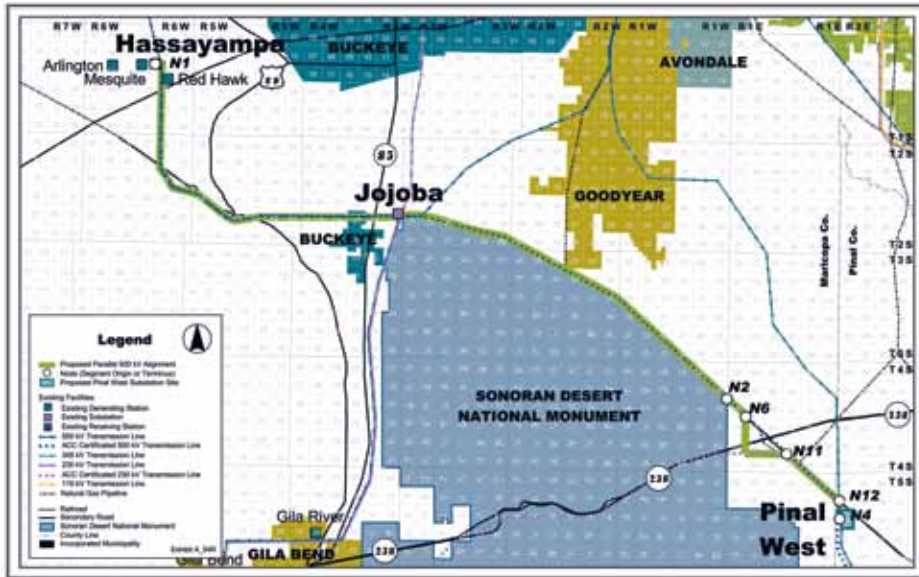
- SRP, in conjunction with Greystone Environmental Consultants Inc., conducted an extensive siting process for the PV-PW and PW-SEV/BRG projects to determine alternatives for the location of each line.
- The process included a Community Representative Forum, public open house meetings and a variety of additional public interface opportunities. The public process was conducted from 2002 to 2004.

FOR MORE INFORMATION

- Visit the project Web site at www.azpower.org
- Call SRP Public Involvement at (602) 236-2872 or (800) 380-6123.



09-1177-01 07/09



PALO VERDE TO PINAL WEST (PV-PW) TRANSMISSION LINE (left)

PINAL WEST TO ABEL/BROWNING (PW-SEV/BRG) TRANSMISSION LINE (below)

