

# Bowie Power Station Update

8<sup>th</sup> BTA Workshop  
May 15, 2014



# Bowie Power Station



- Bowie is a 1,000 MW (nominal) natural gas power generation facility to be constructed in Cochise County, Arizona
- Bowie consists of two 500 MW (nominal) power blocks of 2 CTs and 1 ST
- Natural gas will be supplied via EPNG interstate gas facilities
- Interconnection is at the proposed Willow 345 kV Substation in Graham County, Arizona to TEP's Greenlee-Winchester 345 kV transmission line
- Commercial operation of the first 500 MW power block is expected by December 31, 2018





Figure 1: Bowie Project interconnection point and vicinity transmission system

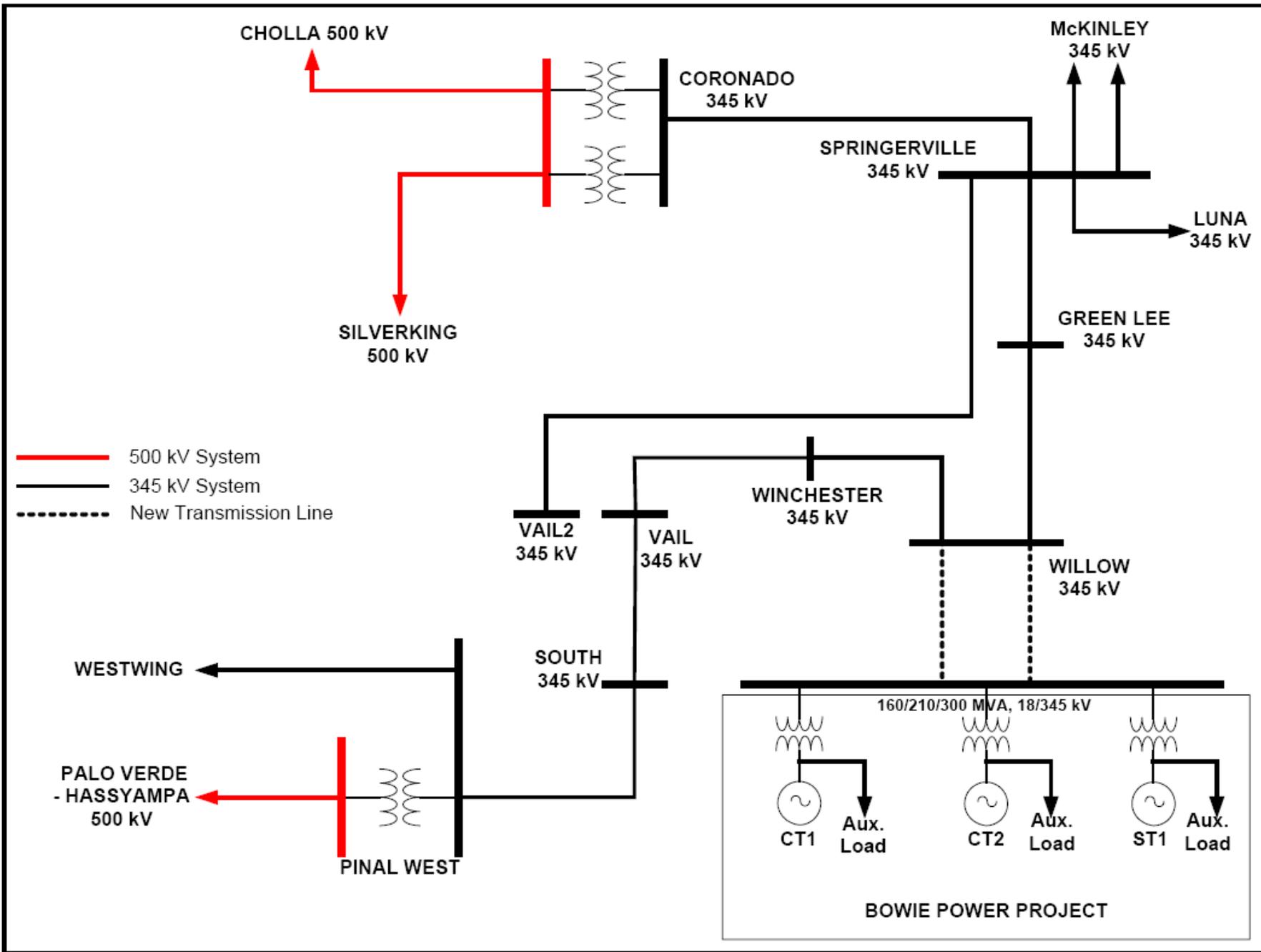


Figure 2: One-Line Diagram of the Bowie Project at the Interconnection point

# ACC Permit Status



- The ACC issued Orders 64625, 64626, 69339, 70588 and 71951 for Bowie.
  - Decision No. 71951, dated 11/1/2010, the ACC granted Bowie a second extension on the durations of the CECs through 12/31/2020.
  - Decision No. 70588, dated 11/6/2008, approved adjustment to Bowie's approximately 15-mile, double-circuit 345 kV generator tie line on ASLD property. This line interconnects the Willow Substation to TEP's existing Greenlee-Winchester-Vail 345 kV line.

# Interconnection Technical Studies



- SWPG & TEP entered into an Interconnection Facilities Study Agreement on October 12, 2012
- TEP provided the Facility Study for the Willow 345 kV Substation on October 29, 2013
- SWPG & TEP are in the process of executing a Large Generator Interconnection Agreement (LGIA)
- Issuance of the draft LGIA by TEP is expected soon

# Transmission Planning Forums



- Bowie, through its owner SWPG, participates in:
  - Regional transmission planning forums
  - Southwest Area Transmission Group and its subcommittees
  - On-going activities of WestConnect
- SWPG is a Class 3 member in good standing in the Western Electricity Coordinating Council

# ADEQ Air Quality Permit



- September 2013 – Submitted a new Class I Air Quality Application to ADEQ
- The draft permit is expected soon
- The final permit should be issued by the end of the year

**For more information:**

**[www.bowiepower.com](http://www.bowiepower.com)**

