



**CATS HV Technical Study Group
STATUS REPORT
Tuesday, August 23, 2005**

- I. CATS HV Meeting July 28, 2005, Casa Grande City Council**
 - **Purpose-Joint transmission planning of the high voltage (115kV and 230kV) transmission system between Phoenix and Tucson.**
 - Participants included: utilities, mayors, municipal and county planners, other interested parties.

- II. Saturated Load Study (Northern Pinal County):**
 - Study area can support nearly 5500MW (average of 6MW/sq-mi).
 - Varying assumptions from 0 to 15MW/sq-mi.
 - Potential need for 10 to 11 230/69kV substations (4 existing today).
 - Involvement of city General Planning (land use) process.
 - Need to update with joint utility and municipal assumptions for land use and density to develop long-term transmission plan.

- III. Palo Verde – Pinal West – Browning Project:**
 - Project update given, and now final routing can assist with the long-term plans.

- IV. Sundance Transmission Study (APS):**
 - Examine transmission expansion opportunities for additional deliverability options for the Sundance generating station.
 - The additional options will be reviewed as part of the long-term transmission study.

- V. Development of the Long-Term Transmission System:**
 - Western gave an update of their South of Phoenix uprate study following the completion of upgrading facilities from 115kV to 230kV. Western noted that the new path rating should be approximately 660MW.
 - Other Western upgrades and new facilities will be examined over the coming months as development of the long-term plan develops.

- VI. Next Meetings and purpose:**
 - September 8 – Regional General Plan Review and Utility Assumptions
 - October 6 – Transmission Station Needs and Alternatives for Lines
 - November 3 – Review of Analysis and Alternatives
 - December 1 – Draft Report