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CATS Presentation

- **CATS Overview.**
- **CATS Phase I Overview.**
- **CATS Phase II Overview.**
- **CATS Phase III Objectives.**
- **CATS Phase III Status.**

CATS Overview

Scope: Collaborative regional study.

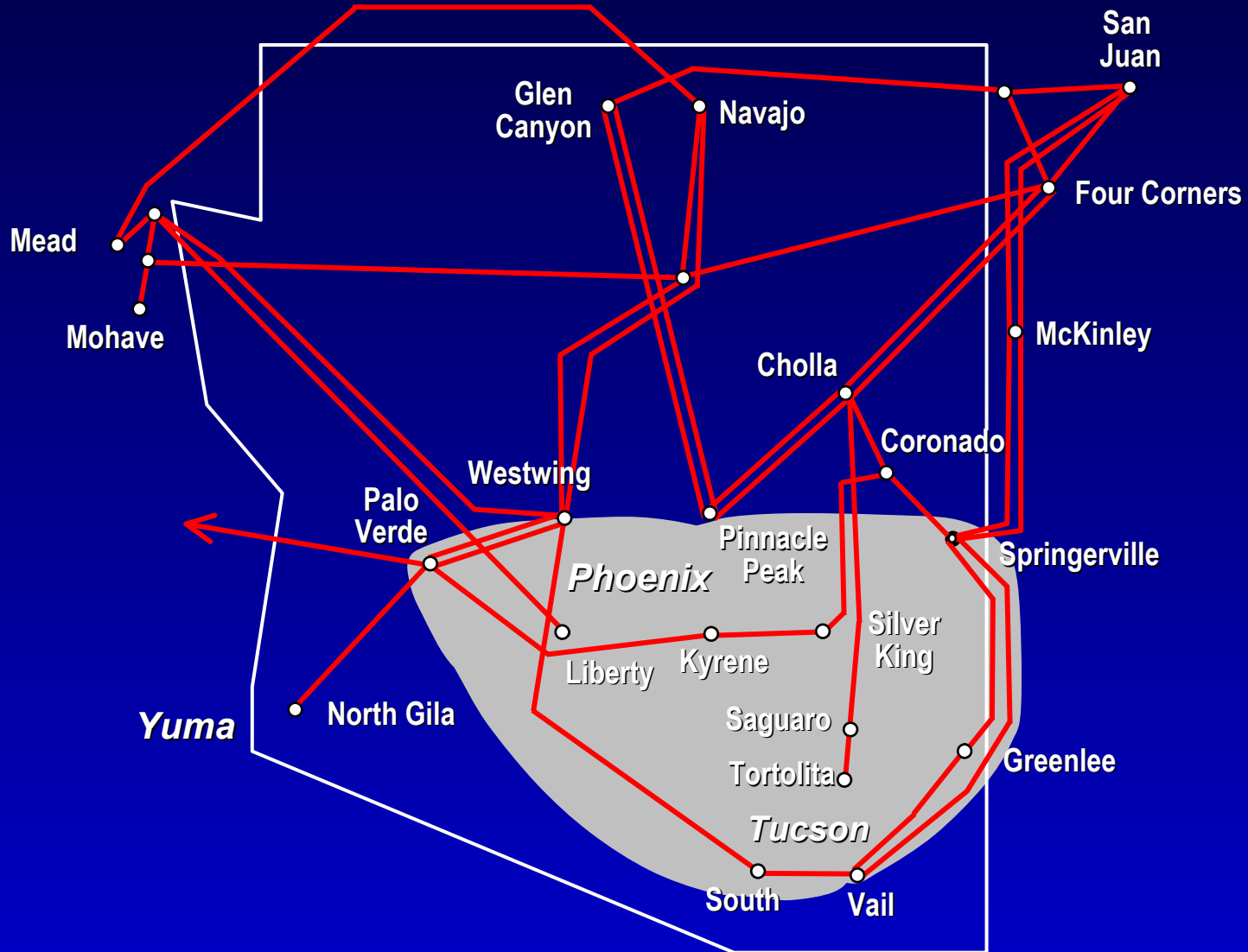
Considerations: Increasing energy demands for Central Arizona in an environment of deregulation and emerging electric utility competition.

Purpose: Develop a high level transmission plan for Central Arizona that maximizes regional benefits, while making efficient use of the existing transmission system.

Study Participants

- Arizona Corp. Commission
- APS
- TEP
- SRP
- SWTC
- WAPA
- PNM
- Citizens Utilities
- Williams Energy Mfg & Trading
- Industrial Power Tech.
- Arizona Power Authority
- Power Up Corp.
- Desert Energy
- CAP
- NRG
- Southwestern Power Group
- Reliant Energy
- PPL
- Allegheny Energy supply
- AES
- Pinnacle West Energy
- Mountain County Co Generation
- Trans - Elect
- Panda Energy
- Teco Energy
- PDE
- Duke Energy & Trading
- ED #3 & MSIDD
- PG&E

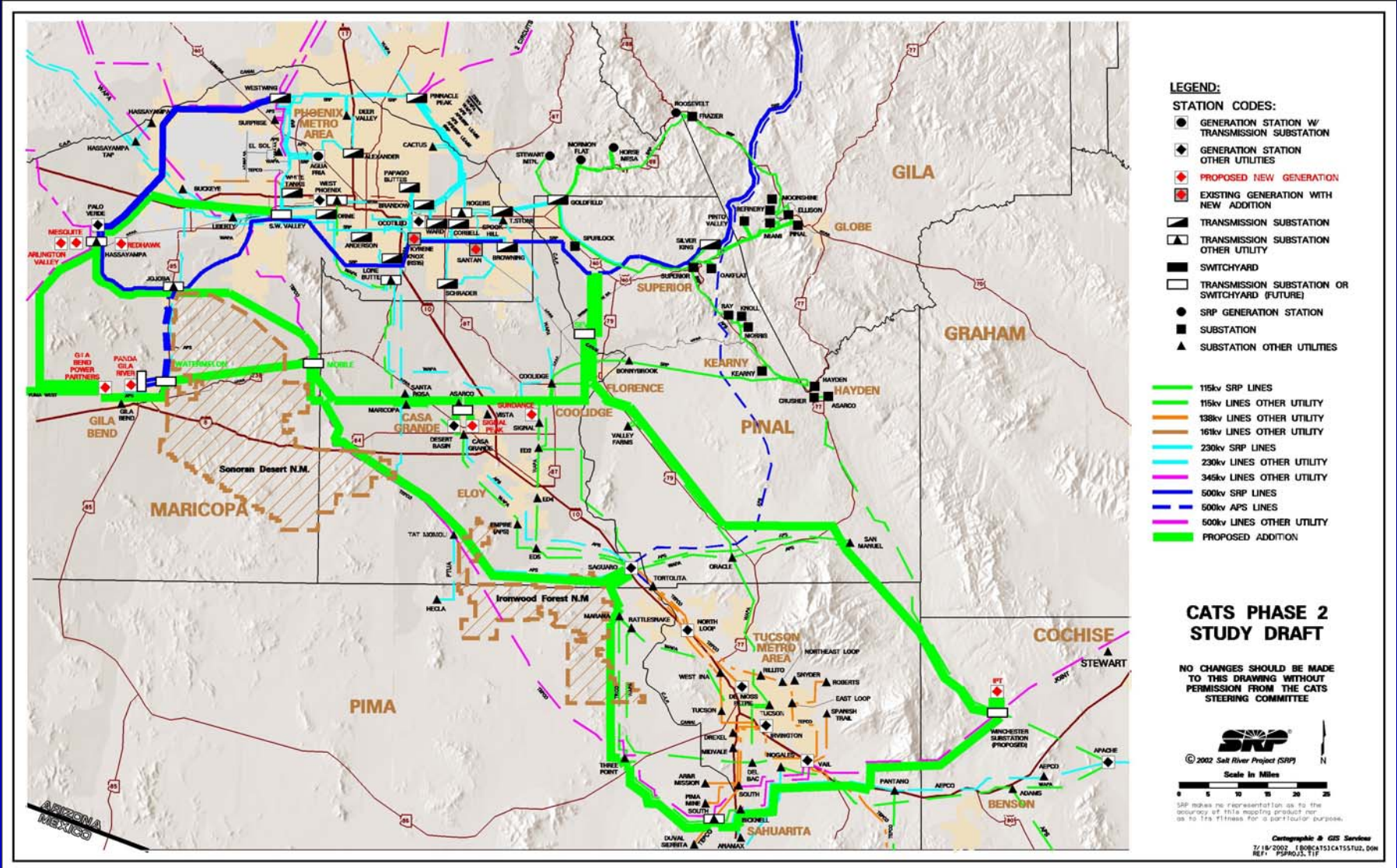
CATS Study Areas



CATS Phase I Overview

- **Develop Transmission Alternatives for Central Arizona**
- **CATS Phase I served as a screening process.**
- **Phase I Final Report July 2001.**

CATS Phase II EHV Base System



CATS Phase II Overview

- **High-level long-range transmission study.**
- **Compared the performance of various transmission alternatives to the performance of the CATS Phase II EHV base system.**
- **Comparative Study.**
- **Study did not represent a specific time frame.**
- **Phase II Final Report September 2002.**

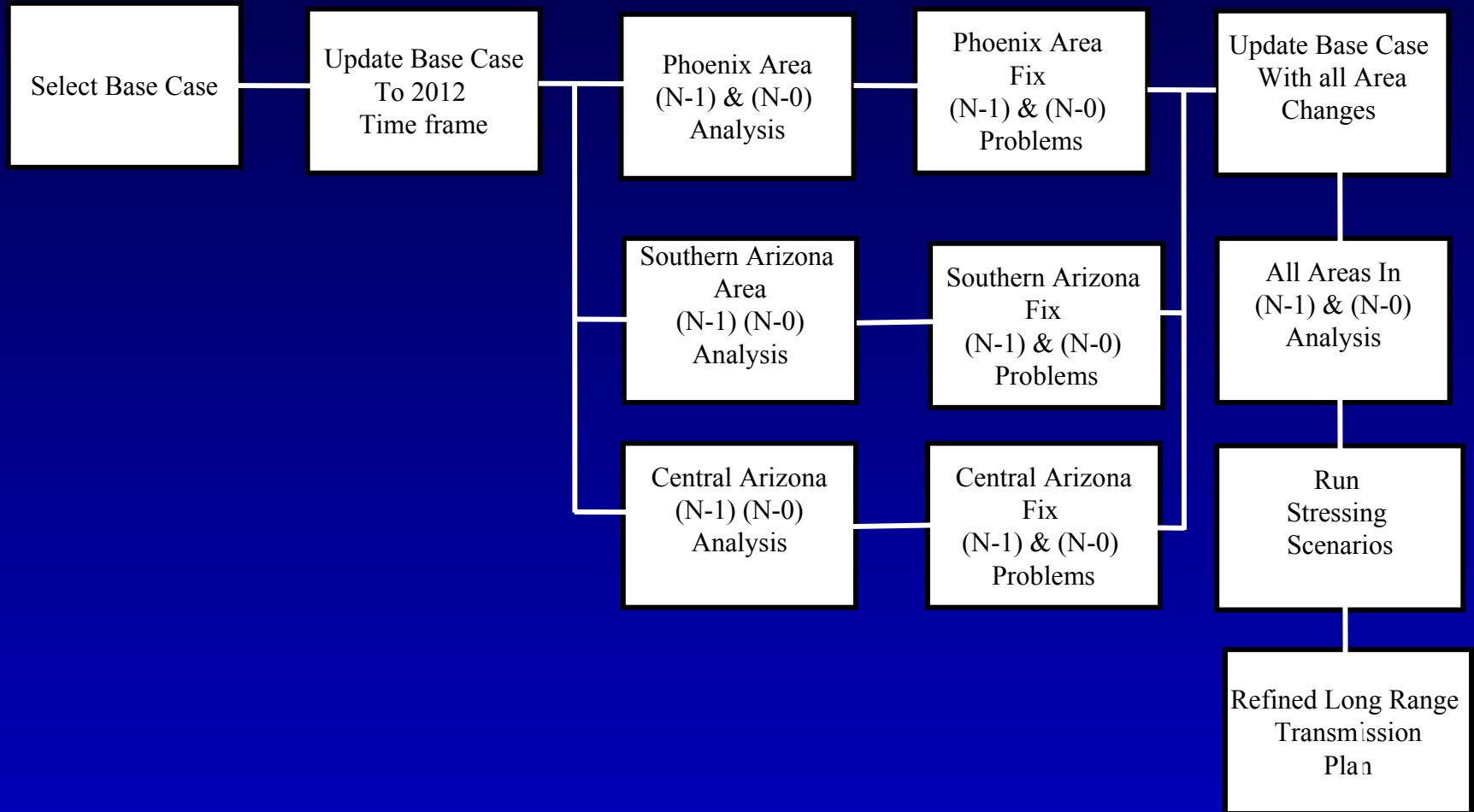
CATS Phase III Objectives

- **Develop a 10 year Regional Transmission Plan**
- **Refine alternatives for Southern Arizona.**
- **Refine long range transmission plan for Central Arizona.**

CATS Phase III Study Areas

- **Phoenix Area**
(APS and SRP)
- **Southern Arizona Area.**
(TEP and SWTC)
- **Central Arizona Area.**
(WAPA and CATS-HV-SUBCOM)

CATS Phase III Ten Year Transmission Assessment (Methodology)



CATS Phase III Status

- **Base Case has been completed.**
- **Base Case is the process of being Benchmarked for initial (N-0) and (N-1) runs.**
- **Contingency List have been developed and is currently under review.**

