

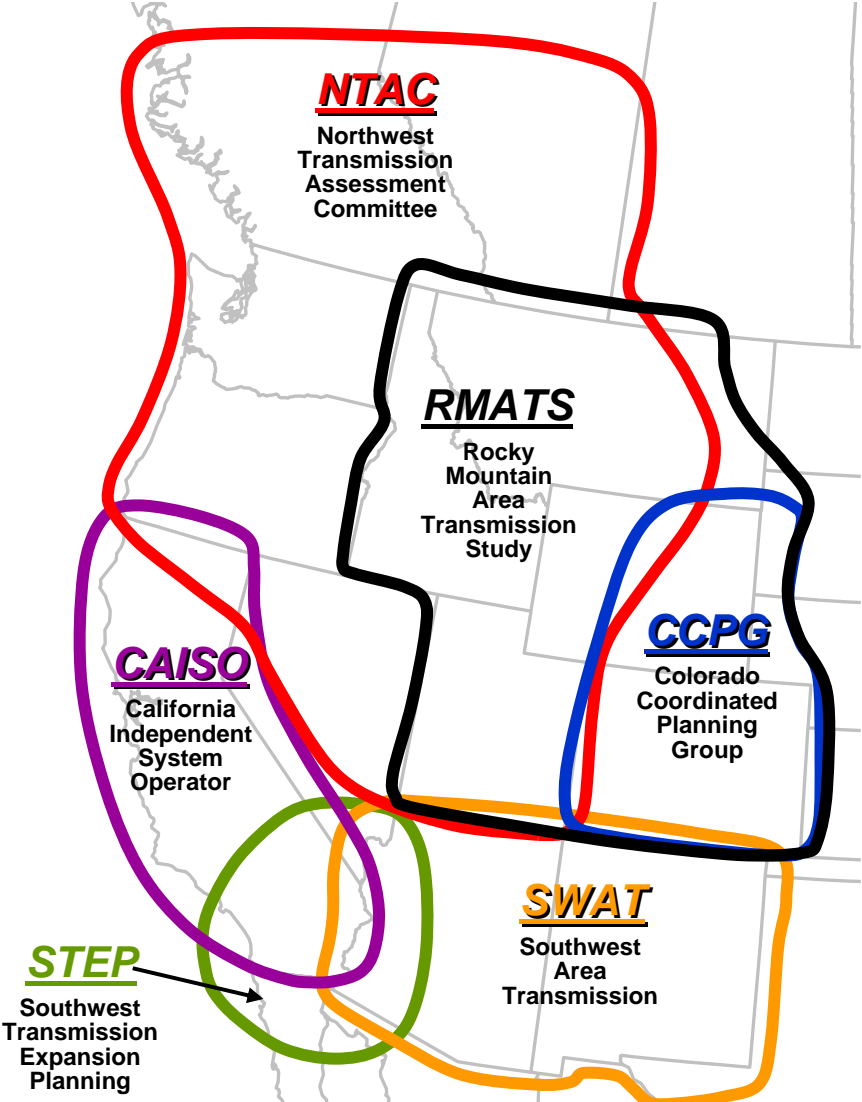
WestConnect Stakeholder Meeting

Regional Transmission Planning

***Robert Kondziolka, P.E.
Manager, Salt River Project***

***April 27, 2006
Phoenix, Arizona***

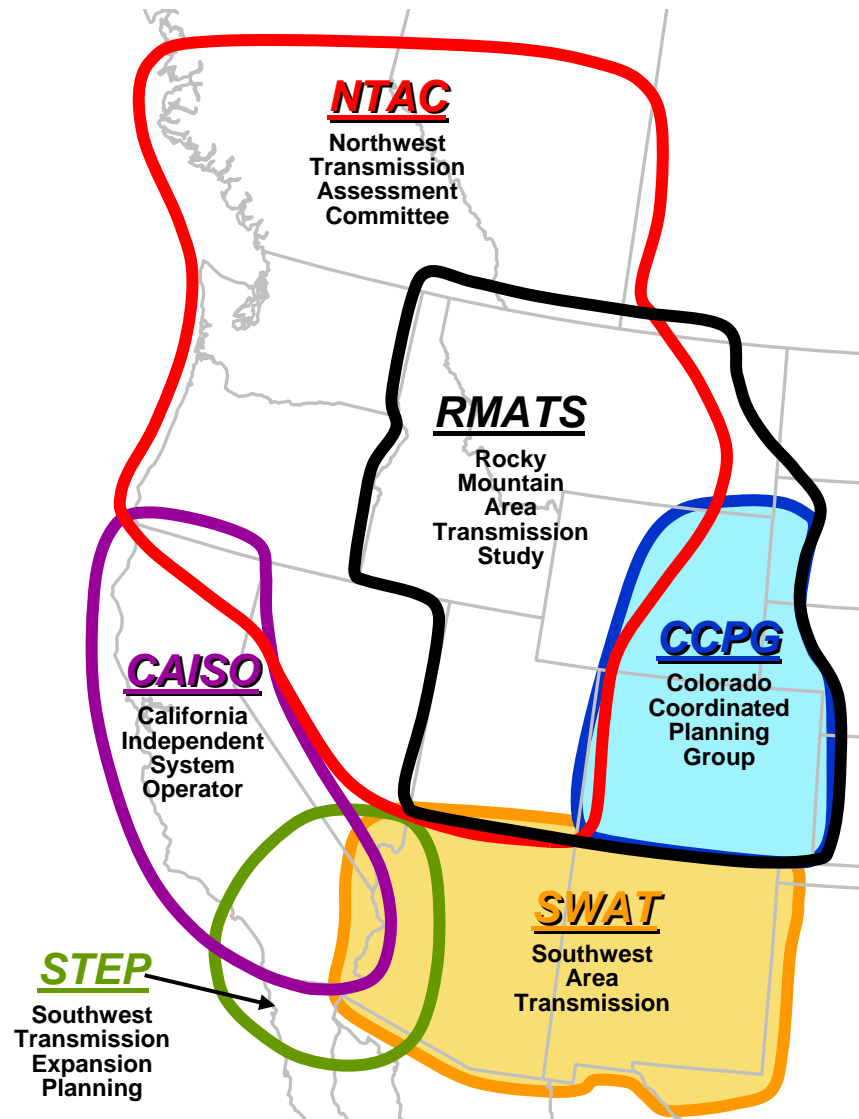
Western Interconnection Sub-Regional Planning Groups



- RMATS – <http://psc.state.wy.us/htdocs/subregional/home.htm>
- CAISO – <http://www.caiso.com/thegrid/planning/index.html>
- NTAC – <http://www.nwpp.org/ntac>

- SWAT – <http://www.azpower.org/swat>
- STEP – <http://www.caiso.com/docs/2002/11/04/2002110417450022131.htm>
- CCPG – <http://ccpg.basinelectric.com>

WestConnect Regional Planning Footprint with CCPG/SWAT



RMATS – <http://psc.state.wy.us/htdocs/subregional/home.htm>

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CCPG – <http://ccpg.basinelectric.com>

WESTCONNECT REGIONAL PLANNING WORK GROUP

GOALS and OBJECTIVES

- Promote coordination of regional transmission planning within the WestConnect footprint by formalizing a relationship among the WestConnect parties, the Southwest Area Transmission Planning Group (SWAT) and the Colorado Coordinated Planning Group (CCPG)
- Provide resources to SWAT and CCPG for conducting open, objective and transparent stakeholder processes in completing biennial transmission system plans
- Produce a single WestConnect biennial transmission plan that incorporates input from the SWAT and CCPG plans and addresses all transmission needs across the WestConnect footprint.

WESTCONNECT – SWAT – CCPG BASIS OF UNDERSTANDING FOR PRINCIPLES

- SWAT and CCPG sub-regional planning groups were initially established independently by different forces, principles and membership.
- The sub-regional planning organizations continue to conduct focused planning efforts for their sub-regions.
- Coordination of CCPG and SWAT sub-regional efforts will bring benefits to WestConnect and all other utilities and entities through representation of a larger region.

The WECC Board approved the formation of the Transmission Expansion Planning Policy Committee (TEPPC) at the April 2006 Board Meeting. The TEPPC will be responsible for west wide cost production modeling and management of the west wide transmission and generation database. CCPG and SWAT will provide coordination between their respective sub-region and the TEPPC.

WESTCONNECT – SWAT – CCPG PRINCIPLES FOR TRANSMISSION PLANNING

- Conduct a biennial near and long-term transmission system plan in accordance with NERC/WECC planning criteria
- Provide input for WestConnect to produce a single near and long-term transmission plan/document that addresses all the transmission needs across the entire WestConnect footprint.
- Coordinate efforts such that the transmission plans of each sub-regional group are developed on the same cycle.
- Coordinate base case development for the WestConnect region
- Commit to coordinate and share information regarding planning efforts between CCPG and SWAT, and subsequently with WestConnect.
- Maintain individual sub-regional planning processes and procedures, but ensure no redundancies occur in the WestConnect footprint.
- Where appropriate, develop coordinated transmission plans.

WESTCONNECT – SWAT – CCPG SUB-REGIONAL TRANSMISSION PLANNING

SCHEDULE - 2006

SWAT Approved Principles	January 17
Steering Committee Approved Principles	March 31
CCPG Approved Principles	April 13
Draft responsibilities, objectives, processes, and procedures to WestConnect Steering Committee	April 28
WC Steering Committee Approval of responsibilities, objectives, processes, and procedures	May 25
WC Implements Responsibilities	Late Summer
First Biennial Plan	1 st Qtr 2008



Committee on Regional Electric Power Cooperation

Status of Transmission Expansion

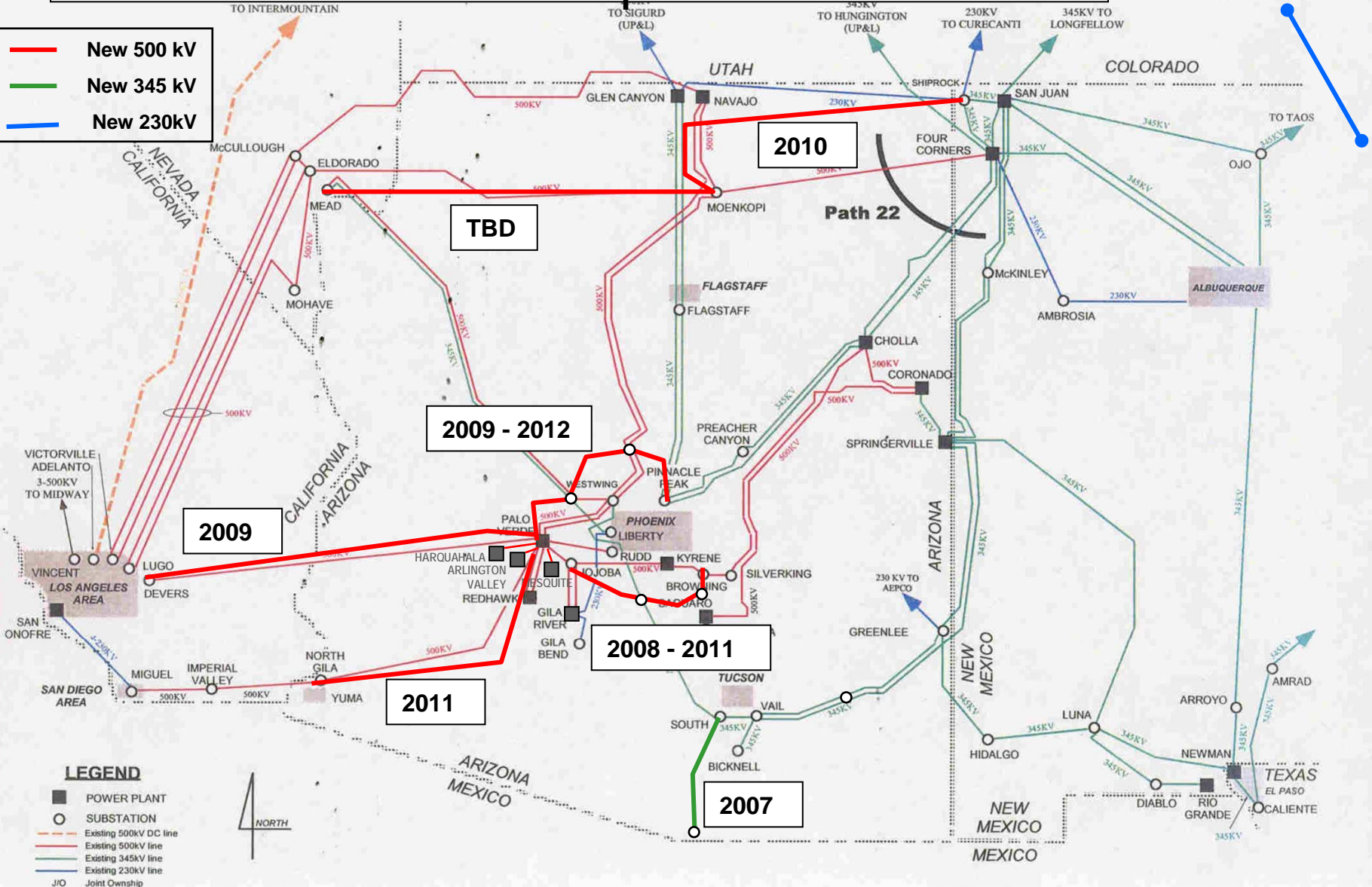
***Robert Kondziolka, P.E.
Manager, Salt River Project***

***April 5-6, 2006
Portland, Oregon***

New EHV and HV Transmission In Development

2007

- New 500 kV
- New 345 kV
- New 230kV



2010

TBD

2009 - 2012

2009

2008 - 2011

2011

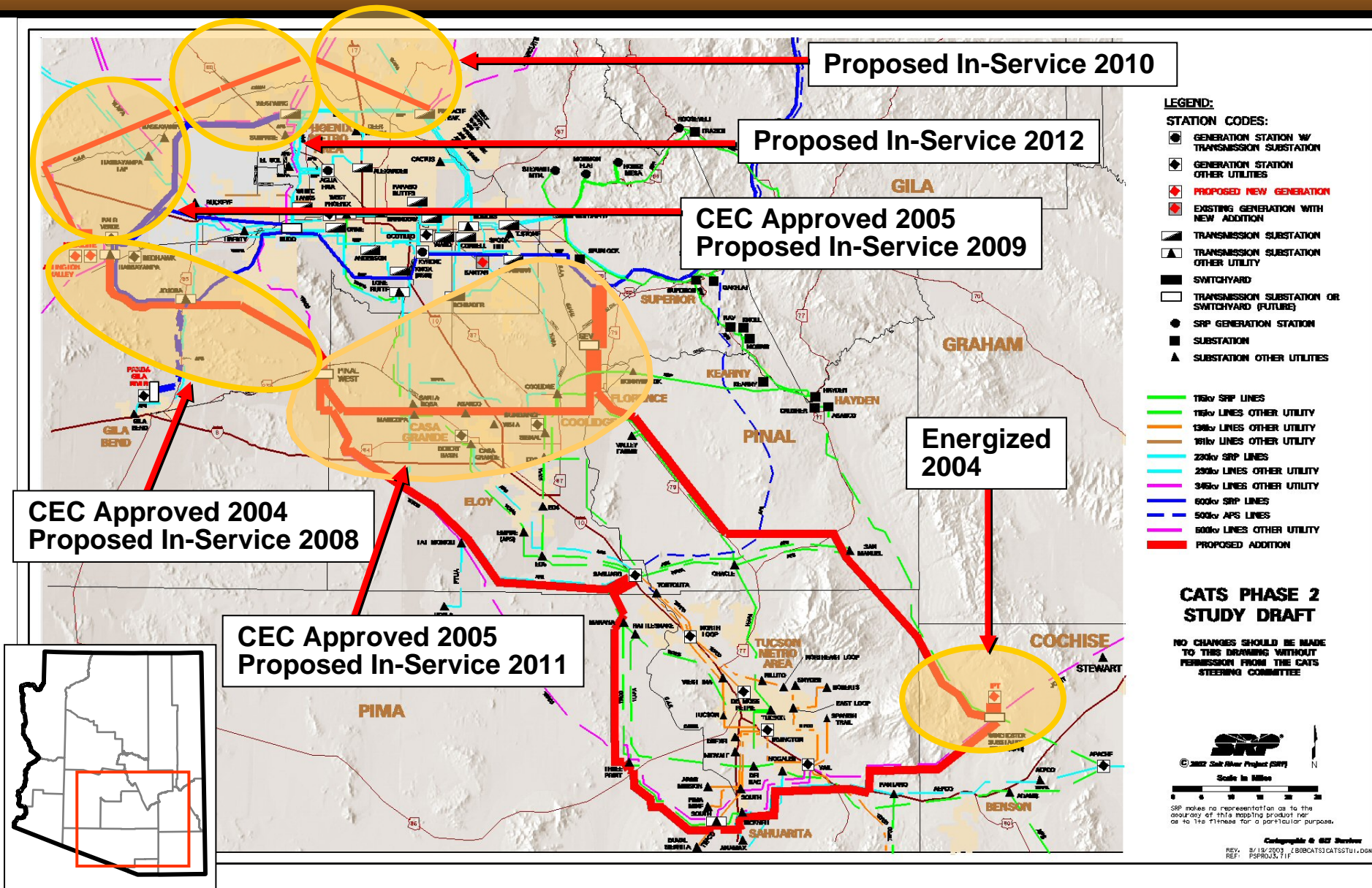
2007

LEGEND

- POWER PLANT
- SUBSTATION
- - - Existing 500kV DC line
- Existing 500kV line
- Existing 345kV line
- Existing 230kV line
- J/O Joint Ownership



Central Arizona EHV Long Range Plan



EHV Transmission Upgrades In Development

