

Colorado River Transmission Committee Update

SWAT Meeting

August 16, 2006

Presented by:
Ken Bagley
Genesee Consulting Group

Colorado River Transmission Committee Update

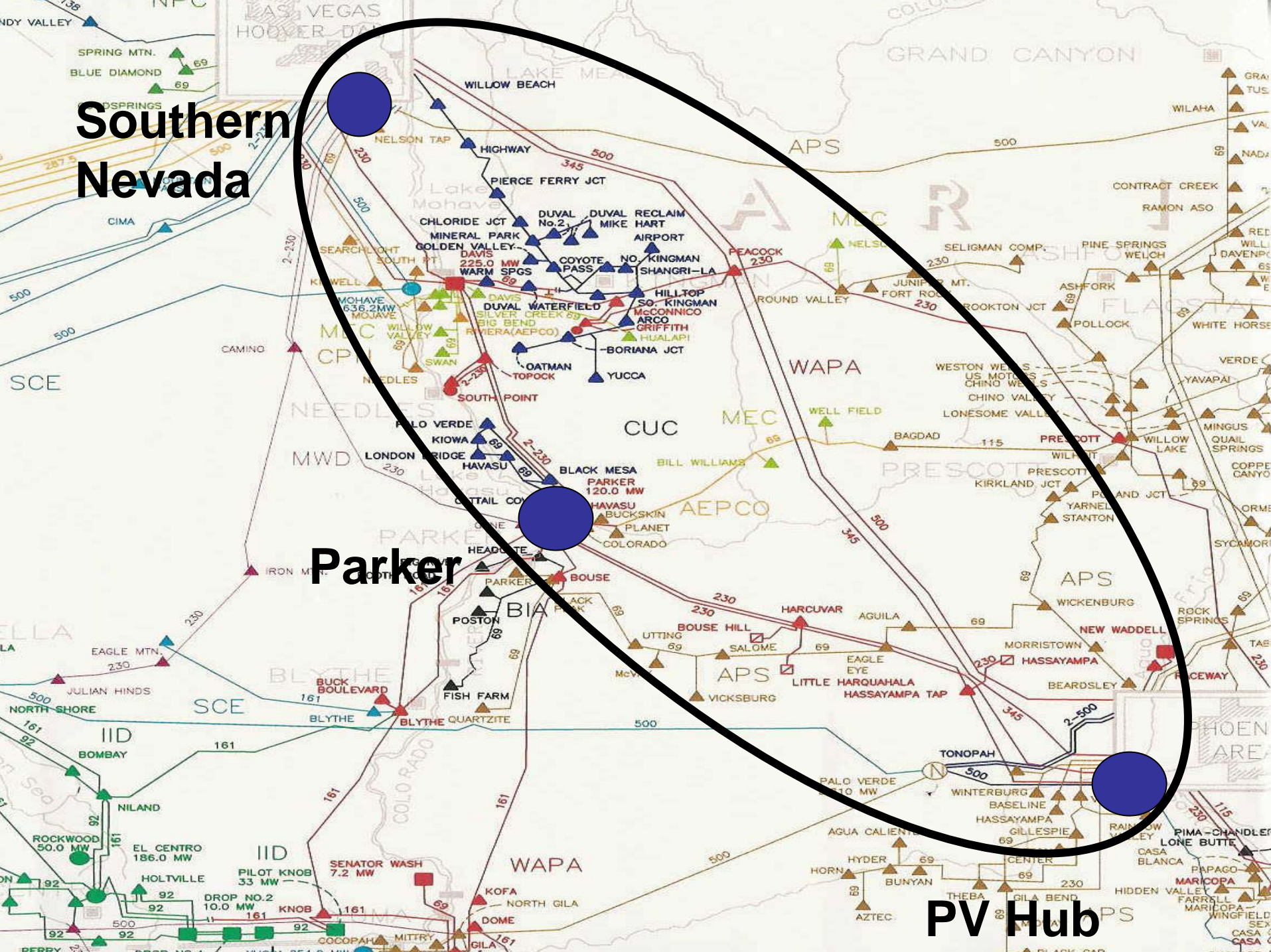
Mohave County

Studies

Southern Nevada

Parker

PV Hub



Southern Nevada

LOADS

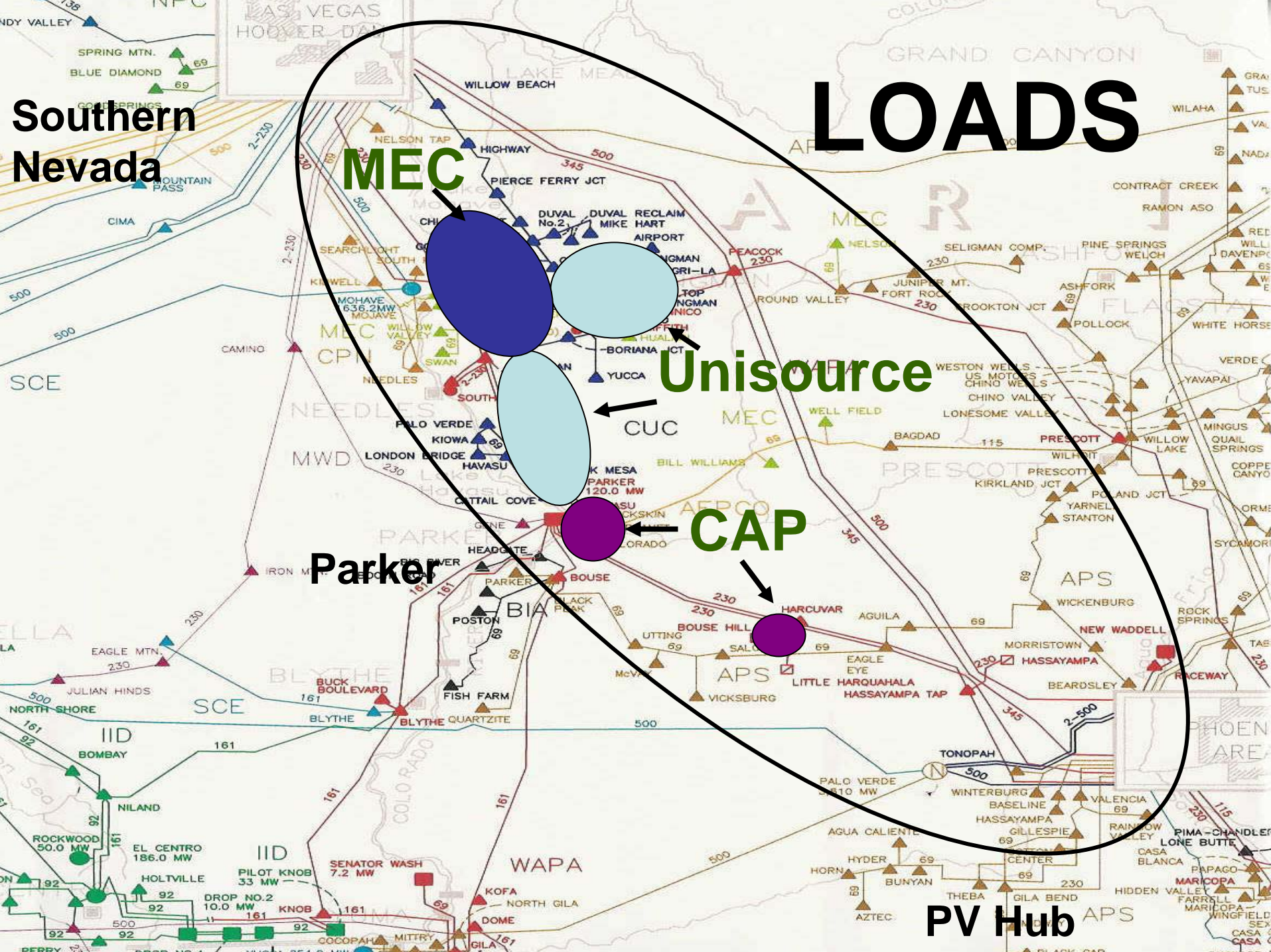
MEC

Unisource

CAP

Parker

PV Hub



CRT Update

Loads:

Unisource - 5 to 7% Range

Mohave Electric - 7% Range

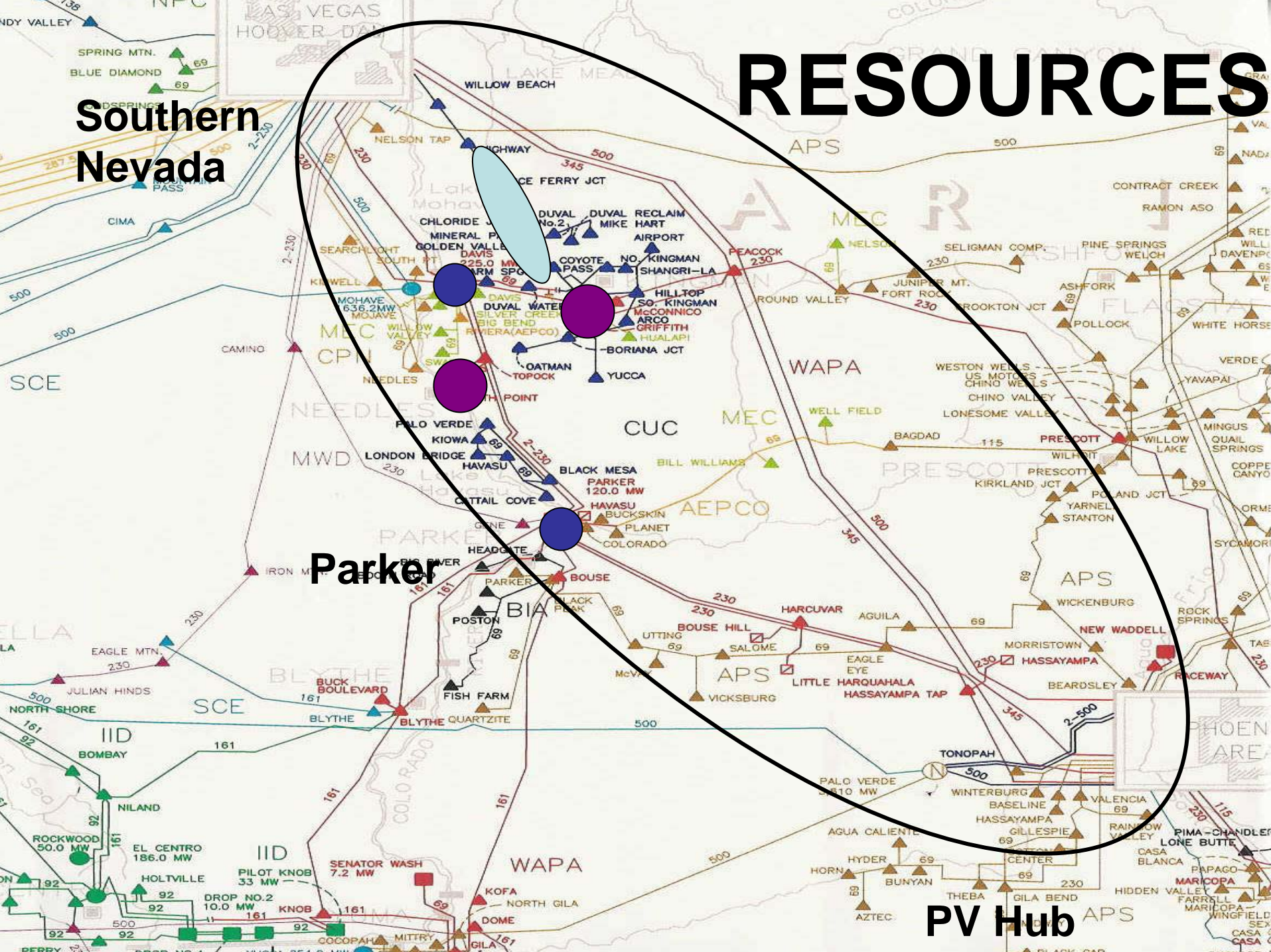
CAP - 370 MW - 0% Growth

RESOURCES

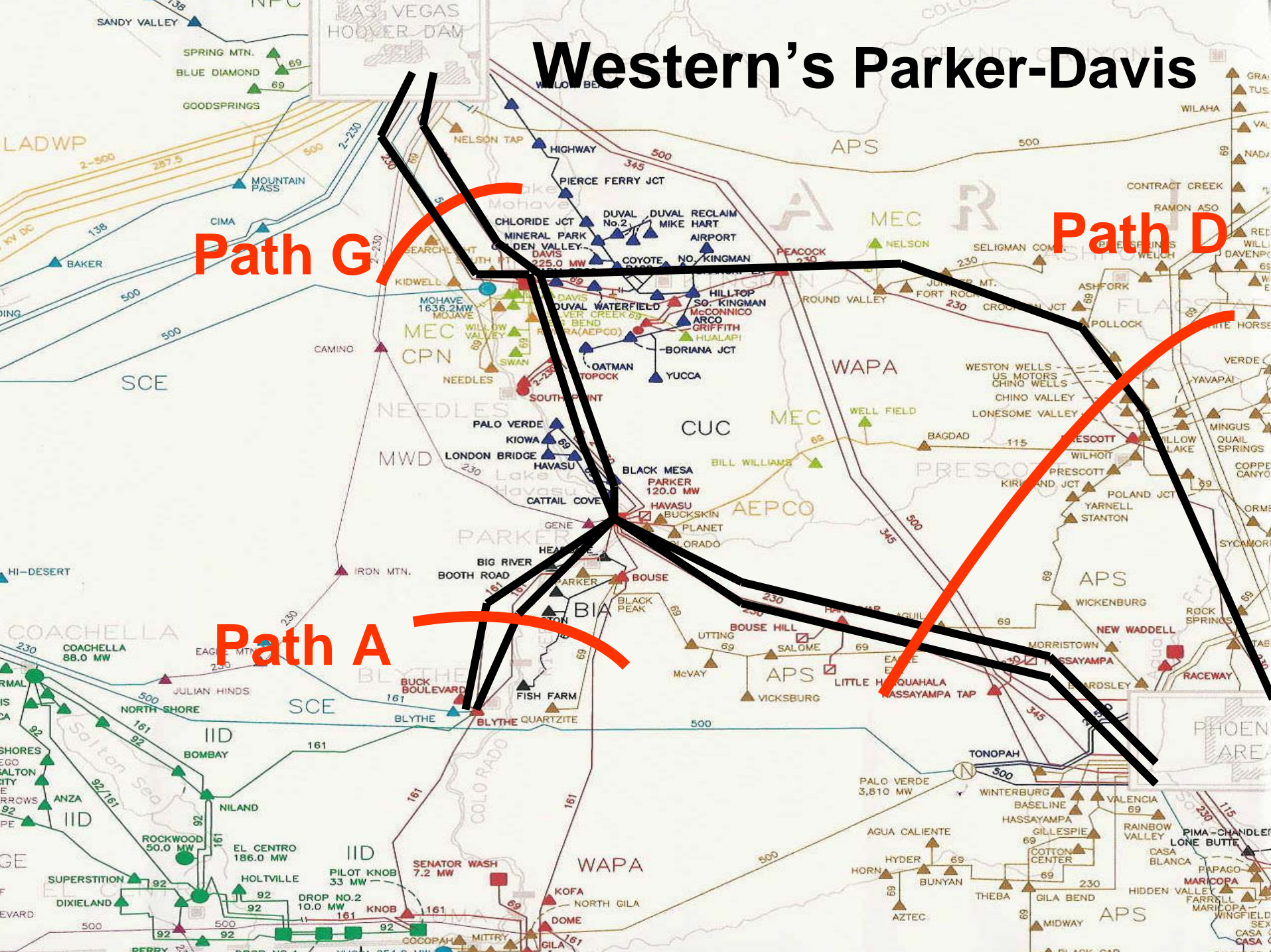
Southern Nevada

Parker

PV Hub



Western's Parker-Davis



Path G

Path D

Path A

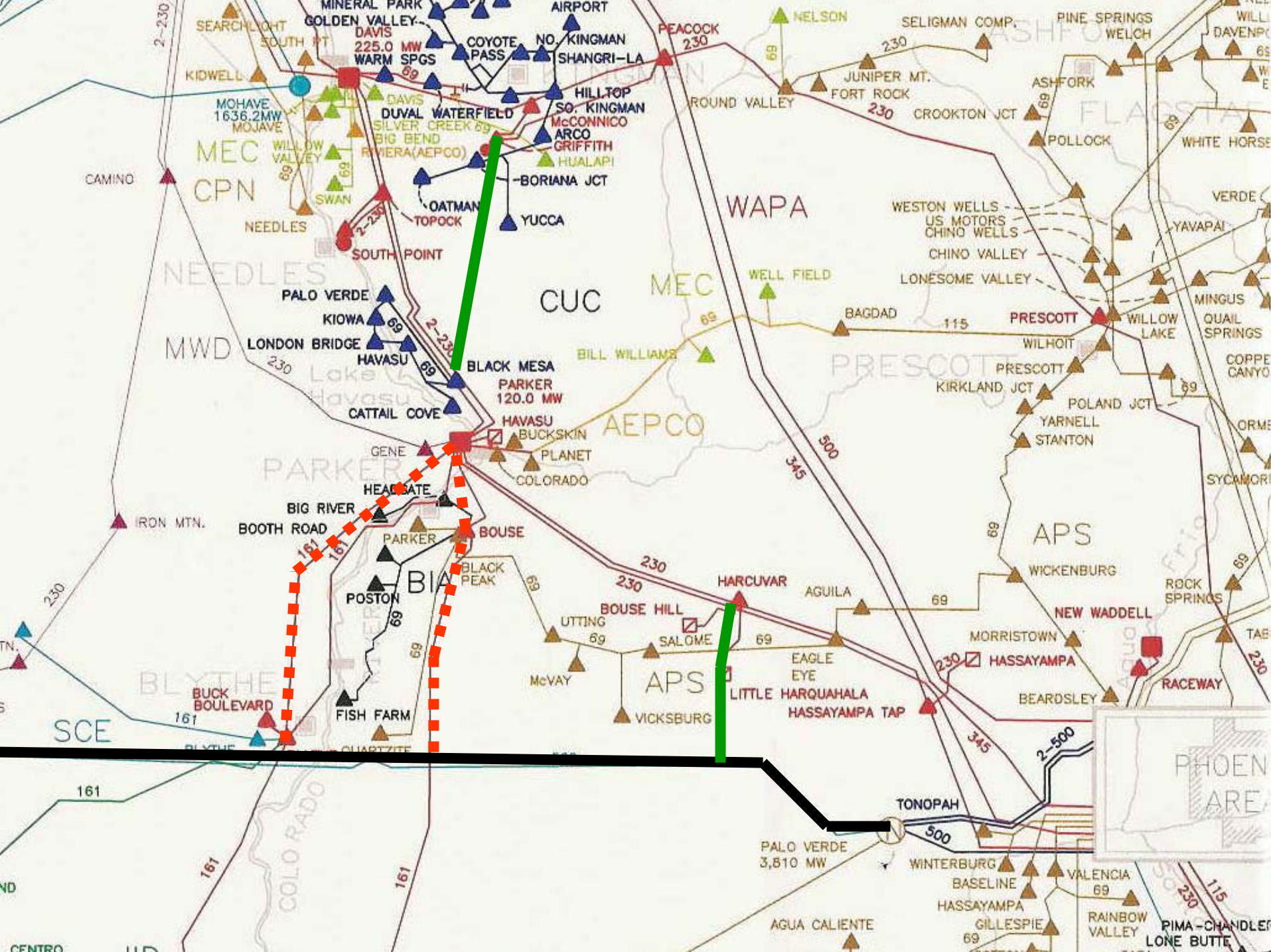
CRT Update

- **AREA ISSUES**

- **Grandfathered Path Ratings**
- **Area Loads Not Aligned with Local Resources**
- **Transmission Owner Not Obligated to Serve Loads (Financing Problem)**
- **Limited Connection to EHV System**
- **Coordinated Effort – Multiple Interests**

Study Proposal

- **Interconnection to DPV2**
- **Griffith to N. Havasu Circuit**



MEC
CPN

WAPA

CUC

AEP/CO

APS

SCE

PHOENIX AREA

SEARCHLIGHT

GOLDEN VALLEY

DAVIS 225.0 MW

COYOTE PASS

NO. KINGMAN

SHANGRI-LA

PEACOCK 230

SELIGMAN COMP.

PINE SPRINGS

SOUTH PT

WARM SPGS

NO. KINGMAN

SHANGRI-LA

ROUND VALLEY

JUNIPER MT.

FORT ROCK

ASHFORK

WELLS

KIDWELL

DAVIS

WATERFIELD

HILL TOP

SO. KINGMAN

McCONNICO

CROOKTON JCT

POLLOCK

WHITE HORSE

MOHAVE 1636.2 MW

WILLOW VALLEY

DUVAL

ARCO

GRIFFITH

WELL FIELD

WESTON WELLS

US MOTORS

CHINO WELLS

NEEDLES

SWAN

OATMAN

TOPOCK

YUCCA

BAGDAD

CHINO VALLEY

LONESOME VALLEY

VERDE

NEEDLES

SOUTH POINT

YUCCA

BORIANA JCT

WELL FIELD

WESTON WELLS

US MOTORS

CHINO WELLS

YAVAPAI

NEEDLES

PALO VERDE

TOPOCK

YUCCA

WELL FIELD

WESTON WELLS

US MOTORS

CHINO WELLS

YAVAPAI

NEEDLES

KIOWA

TOPOCK

YUCCA

WELL FIELD

WESTON WELLS

US MOTORS

CHINO WELLS

YAVAPAI

NEEDLES

LONDON BRIDGE

TOPOCK

YUCCA

WELL FIELD

WESTON WELLS

US MOTORS

CHINO WELLS

YAVAPAI

NEEDLES

HAVASU

TOPOCK

YUCCA

WELL FIELD

WESTON WELLS

US MOTORS

CHINO WELLS

YAVAPAI

NEEDLES

BLACK MESA

TOPOCK

YUCCA

WELL FIELD

WESTON WELLS

US MOTORS

CHINO WELLS

YAVAPAI

NEEDLES

CATTAIL COVE

TOPOCK

YUCCA

WELL FIELD

WESTON WELLS

US MOTORS

CHINO WELLS

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US MOTORS

CHINO WELLS

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US MOTORS

CHINO WELLS

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NEEDLES

PARKER

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US MOTORS

CHINO WELLS

YAVAPAI

NEEDLES

BOUSE

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WELL FIELD

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US MOTORS

CHINO WELLS

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US MOTORS

CHINO WELLS

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US MOTORS

CHINO WELLS

YAVAPAI

NEEDLES

EAGLE EYE

TOPOCK

YUCCA

WELL FIELD

WESTON WELLS

US MOTORS

CHINO WELLS

YAVAPAI

NEEDLES

LITTLE HARQUAHALA

TOPOCK

YUCCA

WELL FIELD

WESTON WELLS

US MOTORS

CHINO WELLS

YAVAPAI

NEEDLES

HASSAYAMPA TAP

TOPOCK

YUCCA

WELL FIELD

WESTON WELLS

US MOTORS

CHINO WELLS

YAVAPAI

NEEDLES

BEARDSLEY

TOPOCK

YUCCA

WELL FIELD

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US MOTORS

CHINO WELLS

YAVAPAI

NEEDLES

WICKENBURG

TOPOCK

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WELL FIELD

WESTON WELLS

US MOTORS

CHINO WELLS

YAVAPAI

NEEDLES

NEW WADDELL

TOPOCK

YUCCA

WELL FIELD

WESTON WELLS

US MOTORS

CHINO WELLS

YAVAPAI

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MORRISTOWN

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WELL FIELD

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US MOTORS

CHINO WELLS

YAVAPAI

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RACEWAY

TOPOCK

YUCCA

WELL FIELD

WESTON WELLS

US MOTORS

CHINO WELLS

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NEEDLES

BEARDSLEY

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US MOTORS

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US MOTORS

CHINO WELLS

YAVAPAI

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NEW WADDELL

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TOPOCK

YUCCA

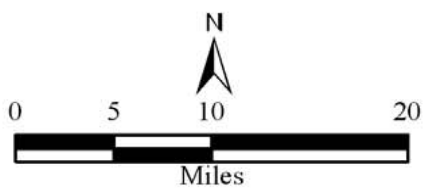
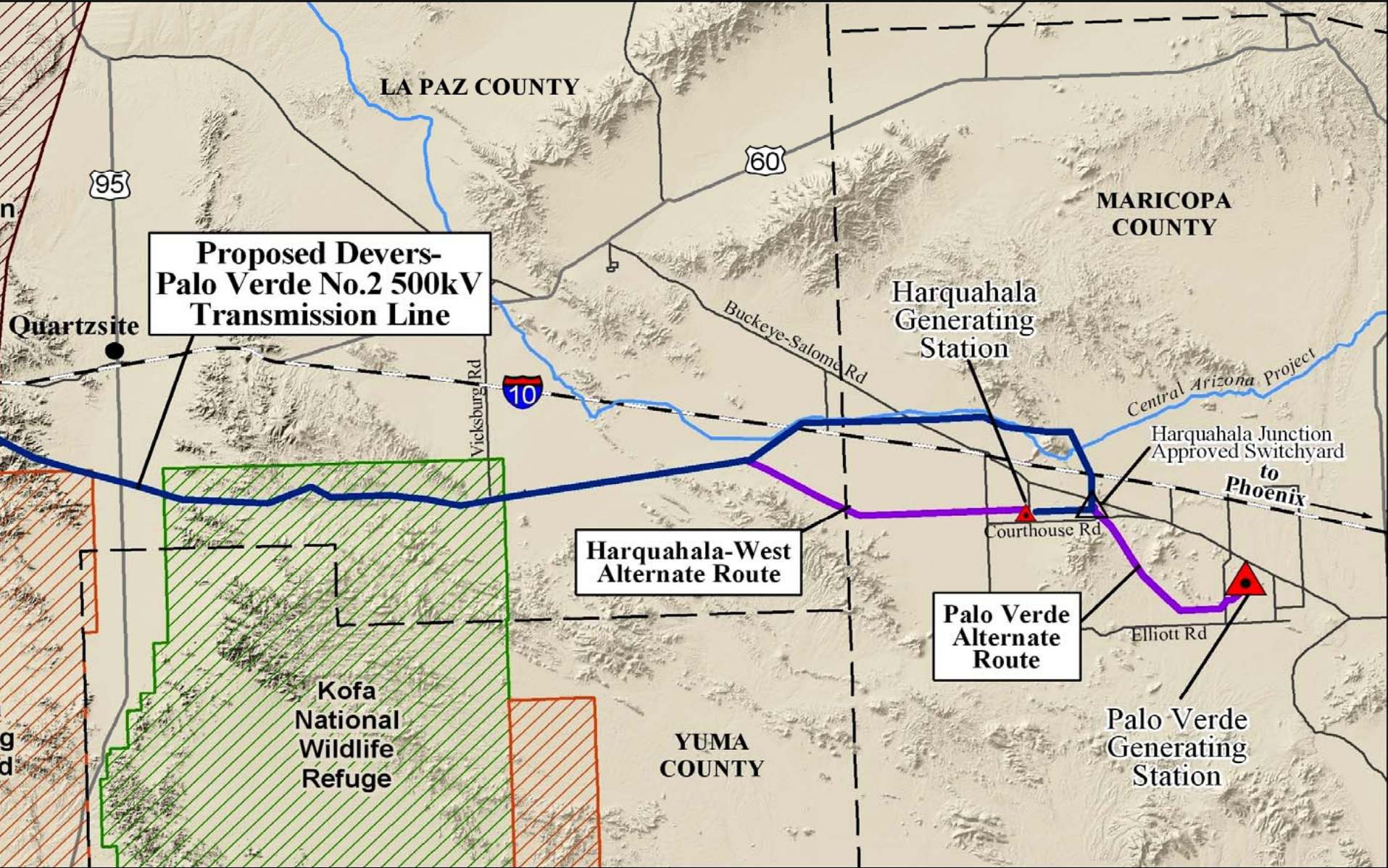
WELL FIELD

WESTON WELLS

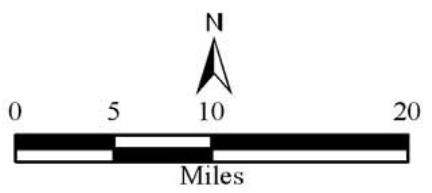
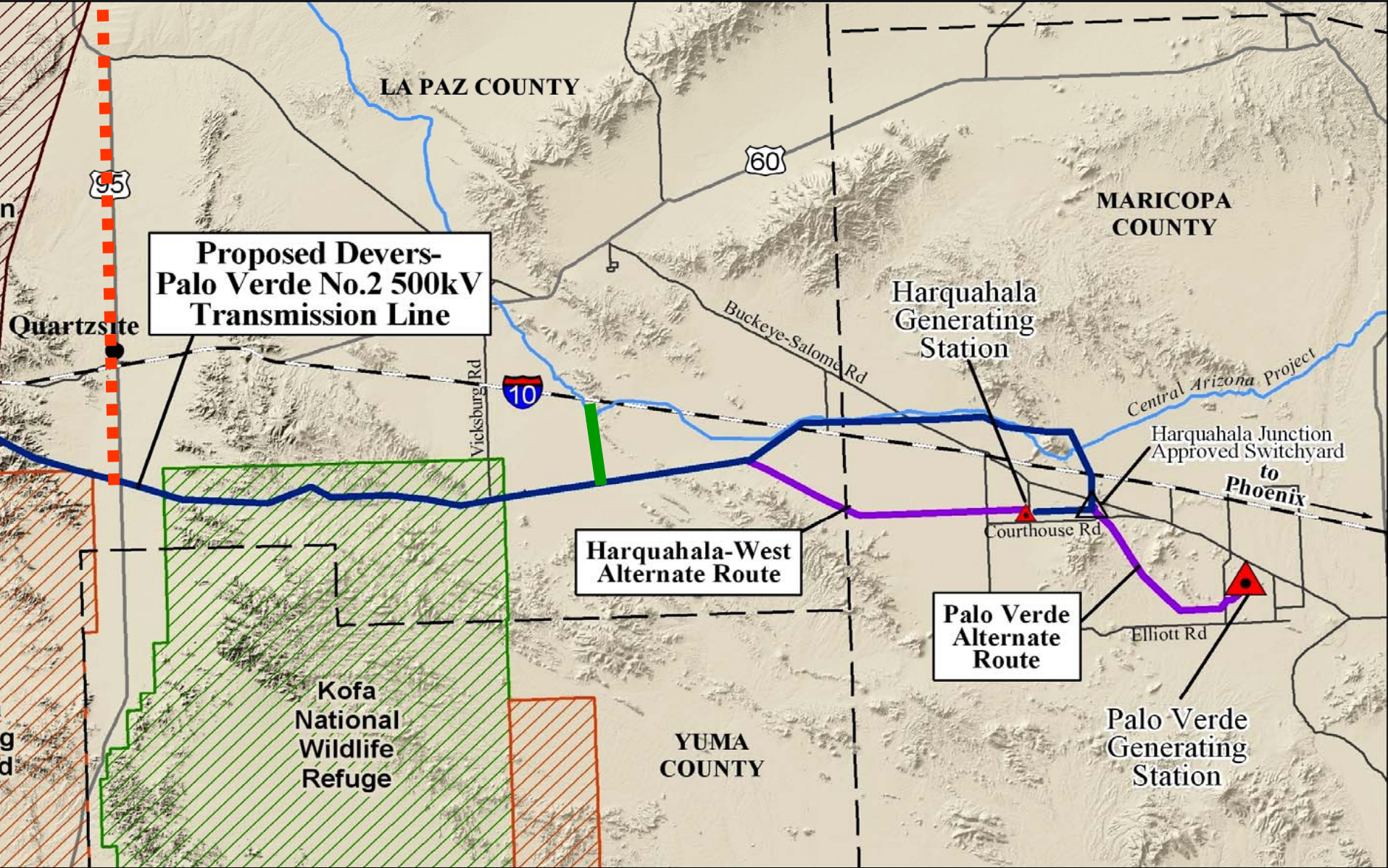
US MOTORS

CHINO WELLS

YAVAPAI



PROPOSED AND SUBALTERNATE ROUTES IN ARIZONA



**PROPOSED AND
SUBALTERNATE
ROUTES IN ARIZONA**

Study Participants

- **Central Arizona Project**
- **Mohave Electric Coop.**
- **Southwest Trans. Coop.**
- **Tucson Electric Power**
- **Western Area Power Admin.**

Next Steps

- **Develop Study Plan**
 - Base Case
 - Interconnection Alternatives
 - Assumptions
- **Conduct Technical Analysis**
- **Review by Study Group**

Next CRT Meeting

**August 24, 2006
(Tentative)**

SRP's POB

Joint CATS EHV/HV and CRT

QUESTIONS