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AZ CORP COMMISSION
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Arizona Corporation Commission
Docket Control
1200 West Washington
Phoenix, Arizona 85007

Arizona Corporation Commission
DOCKETED

JAN 18 2005

Re: *Arizona Public Service Company*
Docket No. L-00000D-04-0127

DOCKETED BY	
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With this letter, Arizona Public Service Company (APS) files a Supplemental Packet that includes the following items:

1. The slide presentations for APS' three witnesses to be presented at the APS West Valley North line siting hearing beginning January 24, 2005;
2. Letters received by APS after submittal of the Certificate of Environmental Compatibility (CEC) Application on November 23, 2004; and
3. The tour itinerary of the Preferred System Option Alternative options.

APS is filing the original and 25 copies of this supplemental packet to Docket Control and providing hand-delivery service for copies to members of the line siting committee and interveners within the Phoenix area. Those members of the line siting committee located outside of the Phoenix area will receive overnight delivery of the supplemental packet.

Legal notices or other communications concerning the Exhibit Book should be directed to:

Thomas Campbell
Lewis and Roca LLP
40 North Central Avenue
Phoenix, Arizona 85004

Sincerely,

Mike DeWitt
Project Manager, APS

Original and 25 copies filed this
Date with Docket Control

COPY of the foregoing sent this
18th day of January, 2005 to:

David M. Ronald
Legal Division
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Phoenix, Arizona 85007

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Margaret Trujillo
Maricopa County RBHA
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Phoenix, Arizona 85008

Honorable Sandie Smith
Pinal County Board of Supervisors
575 North Idaho Road, #101
Apache Junction, Arizona 85219

Mike Palmer
604 Hovland
Bisbee, Arizona 85603

Jeff McGuire
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Sun City, Arizona 85372

Honorable Mike Whalen
Mesa City Council
P.O. Box 1466
Mesa, Arizona 85211

COPY of the foregoing hand-delivered this
18th day of January, 2005 to:

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Phoenix, Arizona 85004

**ARIZONA PUBLIC SERVICE
WEST VALLEY-NORTH POWER LINE
AND SUBSTATION PROJECT**

**Application for a Certificate of
Environmental Compatibility**
Supplemental Packet



Submitted by



January 2005

TABLE OF CONTENTS

	SECTION
TESTIMONY PRESENTATION SLIDES.....	I
CORRESPONDENCE.....	II
ROUTE TOUR ITINERARY	III

SECTION I

**WEST VALLEY-NORTH POWER LINE
AND SUBSTATION PROJECT**

**Application for a Certificate of
Environmental Compatibility**



Prepared for
Arizona Corporation Commission
Arizona Power Plant and
Transmission Line Siting Committee

January 24 and 25, 2005



Introduction

- The West Valley-North Project helps meet a significant need for more power in the fast growing West Valley
- The West Valley-North Project is environmentally compatible
- The West Valley-North Project is the result of an extensive public process

Witnesses

- Mike DeWitt – Project Description
- Randall L. Simpson – Environmental Studies
- Bob Smith – Transmission System

Project Description

Mike DeWitt

Arizona Public Service Company
Project Manager
Transmission and Facility Siting

Witness Background

- BS Civil Engineering, Purdue University
- Project Manager for *West Valley-North Power Line and Substation Project*
- Professional Background
 - 23 years of experience in electric utility industry
 - 18 years of experience with APS
 - Senior Engineer
 - Substation Construction Project Engineer and Construction Coordinator
 - Project Engineer for fossil and nuclear betterment projects
 - Prior testimony before the Arizona Power Plant and Transmission Line Siting Committee in Case Numbers 120 and 122

Outline of Testimony

- Project description
- Project need and benefits
- Selection process
- Public participation

Project Description

- Preferred System Option
- Alternatives
- Jurisdiction and surface management
- Two substation sites
 - TS1 Substation Site (230/69kV)
 - TS5 Substation Site (500/230/69kV)

Jurisdiction

	Town of Buckeye (miles)*	City of Surprise (miles)*	City of Glendale (miles)*	Unincorporated Maricopa County (miles)*	Total (miles)*
Preferred System Option	5.5	8.7	0	10.9	25.1
East-West Alternative Option 1 (Olive Avenue)	5.5	8.2	0	11.5	25.2
East-West Alternative Option 2 (Peoria Avenue)	5.5	9.2	< 0.1	10.4	25.2
East-West Alternative Option 3 (Waddell Road)	5.5	8.7	0	10.9	25.1
North-South Alternative Option 1 (Cotton Lane)	5.5	8.7	0	10.9	25.1
North-South Alternative Option 2 (Beardsley Canal / McMicken Dam)	5.5	8.7	0	11.6	25.8
500kV Corridor Alternative Option 1 (parallels existing 500kV transmission line)	5.5	7.6	0	10.9	24.0

NOTE: Portions of the transmission line, while in unincorporated Maricopa County, would lie within the municipal planning areas of the Town of Buckeye, City of Surprise, and/or City of Glendale.

* Mileages are approximate.



Surface Management

	State Trust Land (miles)*	Bureau of Reclamation (miles)*	Private (miles)*	Total (miles)*
Preferred System Option	5.2	4.5	15.4	25.1
East-West Alternative Option 1 (Olive Avenue)	7.2	4.5	13.5	25.2
East-West Alternative Option 2 (Peoria Avenue)	6.2	4.5	14.4	25.1
East-West Alternative Option 3 (Waddell Road)	5.2	4.5	15.4	25.1
North-South Alternative Option 1 (Cotton Lane)	5.2	4.5	15.4	25.1
North-South Alternative Option 2 (Beardsley Canal/McMicken Dam)	3.3	4.5	18.0	25.8
500kV Corridor Alternative Option 1 (parallels existing 500 kV transmission line)	5.2	2.4	16.4	24.0

* Mileages are approximate.

Project Description

Facilities

- Substations
 - Landscaping, including fencing, in accordance with building permit requirements
 - Land use (acreage)
- Transmission Structures
 - Monopole and lattice
 - Special structures
 - Typical height
 - Typical span
 - Materials
 - 69kV underbuild

Project Description

Schedule

- Right-of-way acquisition 2005 – 2006
- Begin construction 2006
- Construction completed and commercial operation phased in between 2007 and 2008

Project Description Cost

	Number of New Substations Needed for Connections	Total Length of Transmission Line (distance in miles*)	Right-of-way Costs (\$ million)	Construction Costs (\$ million)	Total Costs (\$ million)
Preferred System Option	2	25.1	\$25.6	\$51.9	\$77.5
East-West Alternative Option 1 (Olive Avenue)	2	25.2	\$24.7	\$51.8	\$76.5
East-West Alternative Option 2 (Peoria Avenue)	2	25.1	\$25.4	\$52.0	\$77.4
East-West Alternative Option 3 (Waddell Road)	2	25.1	\$26.8	\$51.9	\$78.7
North-South Alternative Option 1 (Cotton Lane)	2	25.1	\$25.3	\$52.5	\$77.8
North-South Alternative Option 2 (Beardsley Canal/McMicken Dam)	2	25.8	\$26.4	\$52.5	\$78.9
500kV Corridor Alternative Option 1 (parallels existing 500 kV transmission line)	2	24.0	\$27.9	\$50.2	\$78.1

* Mileages are approximate.

Project Benefits and Need

- Population growth
- Increases reliability
- Increases import and export capability

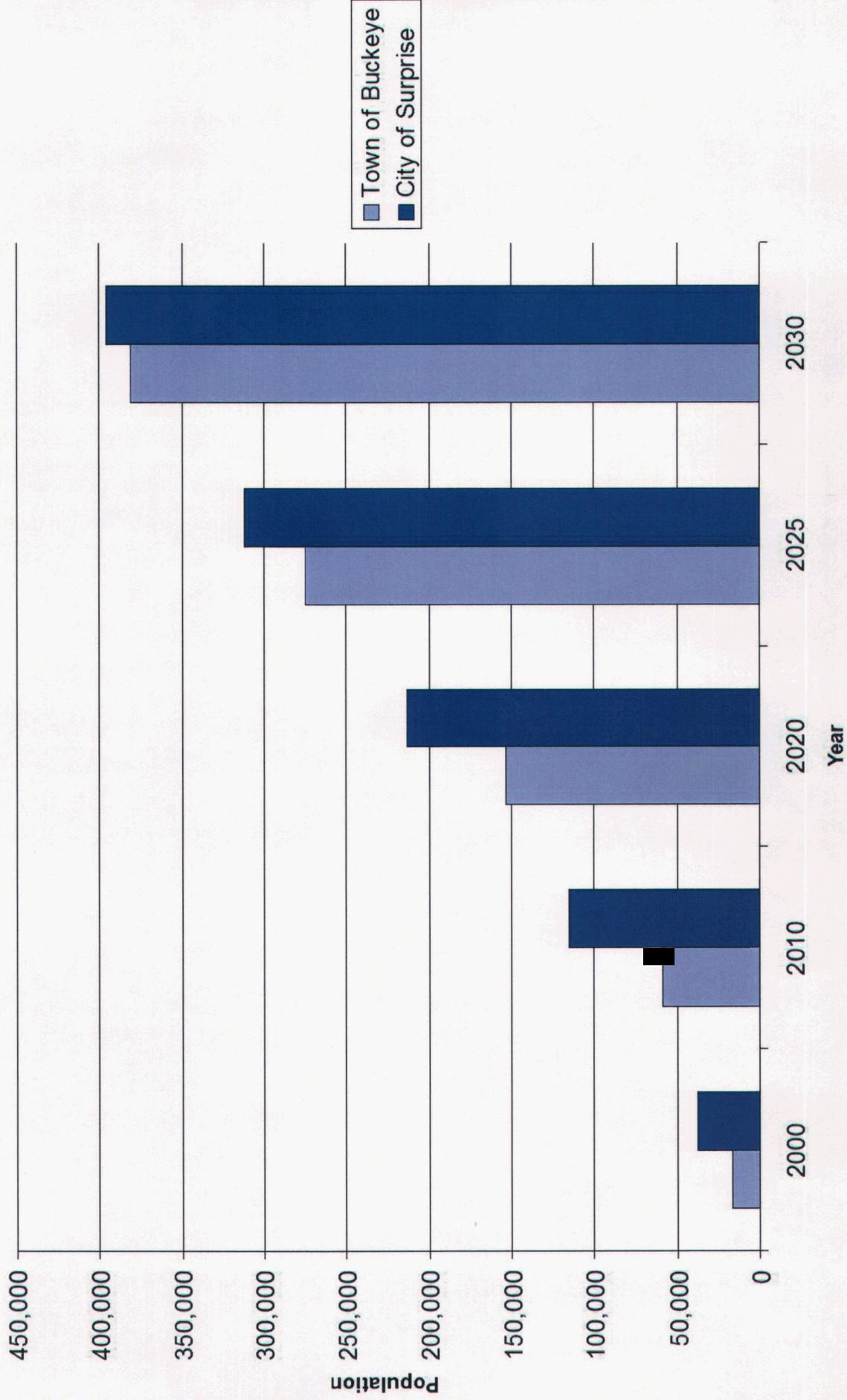
Population Growth Projections

Interim Population Projections

	2000	2010	2020	2025	2030
Town of Buckeye	16,700	58,600	153,400	275,500	380,600
City of Surprise	37,700	115,200	213,300	312,300	395,500
Maricopa County	3,096,600	4,134,400	5,164,100	5,664,000	6,140,000

Sources:
Maricopa Association of Governments 2002 and 2003
Arizona Department of Economic Security 1997

Population Growth Buckeye & Surprise



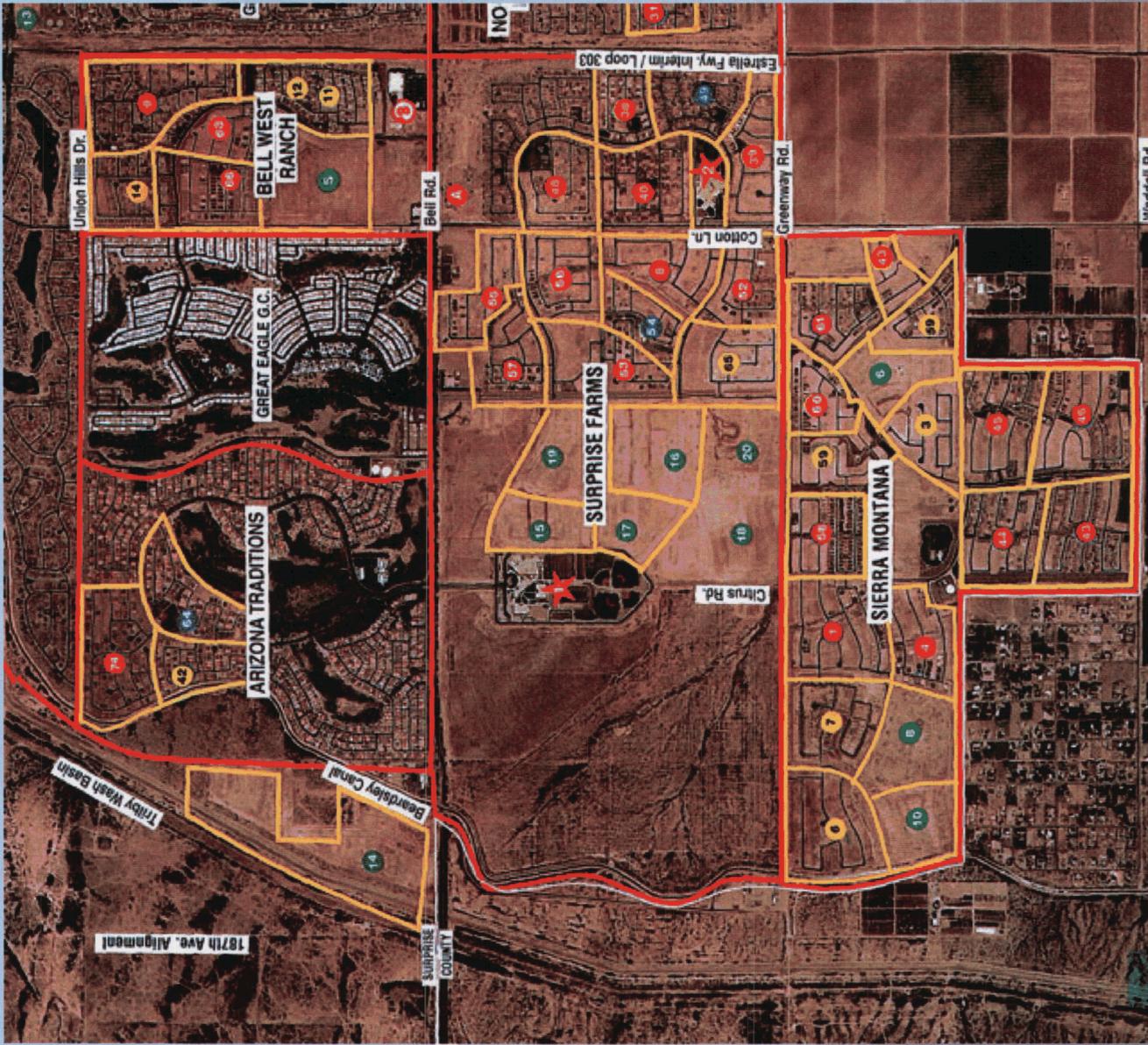
1998



Source: Landiscor Phoenix Real Estate Photo Book, Third Quarter, 1998



2004



Source: Landiscor Phoenix Real Estate Photo Book, Second Quarter, 2004



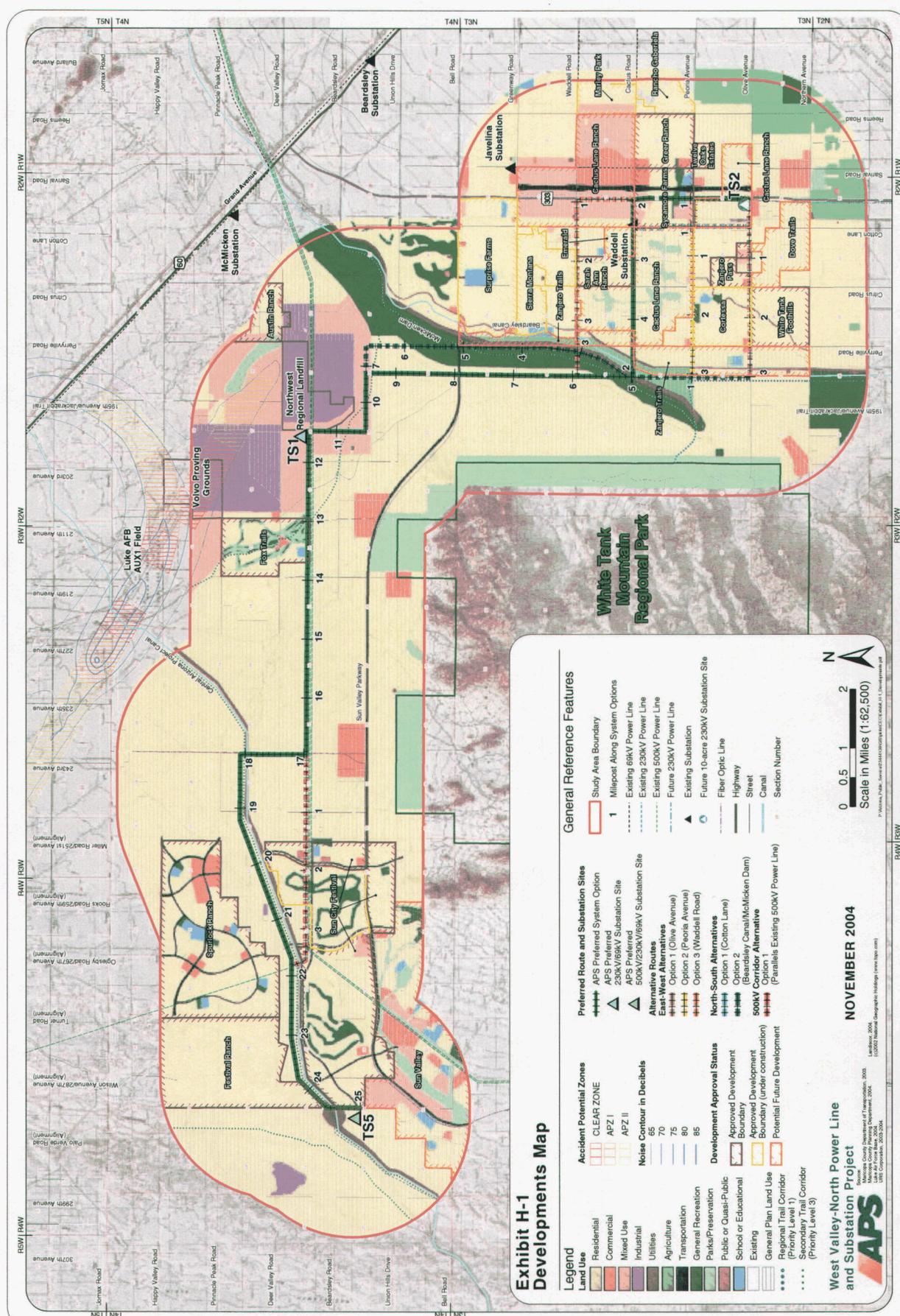


Exhibit H-1 Developments Map

Legend

- Land Use**
 - Residential
 - Commercial
 - Mixed Use
 - Industrial
 - Utilities
 - Agriculture
 - Transportation
 - General Recreation
 - Parks/Preservation
 - Public or Quasi-Public
 - School or Educational
 - Existing
 - General Plan Land Use
 - Regional Trail Corridor
 - Priority Level 1
 - Priority Level 2
 - Priority Level 3
- Accident Potential Zones**
 - CLEAR ZONE
 - APZ I
 - APZ II
- Noise Contour in Decibels**
 - 65
 - 70
 - 75
 - 80
 - 85
- Development Approval Status**
 - Approved Development
 - Boundary
 - Approved Development
 - Boundary (under construction)
 - Potential Future Development
- Preferred Route and Substation Sites**
 - APS Preferred System Option
 - 230kV/69kV Substation Site
 - APS Preferred
 - 500kV/230kV/69kV Substation Site
 - Alternative Routes
 - Option 1 (Clive Avenue)
 - Option 2 (Pecora Avenue)
 - Option 3 (Waddell Road)
 - North-South Alternatives
 - Option 1 (Cotton Lane)
 - Option 2 (Beardsley Canal/McMicken Dam)
 - 500kV Alternative
 - Option 1
 - Option 2
 - Option 3 (Parallels Existing 500kV Power Line)
- General Reference Features**
 - Study Area Boundary
 - Milepost Along System Options
 - Existing 69kV Power Line
 - Existing 230kV Power Line
 - Future 230kV Power Line
 - Existing Substation
 - Future 10-acre 230kV Substation Site
 - Fiber Optic Line
 - Highway
 - Street
 - Canal
 - Section Number

Scale in Miles (1:62,500)
0 0.5 1 2

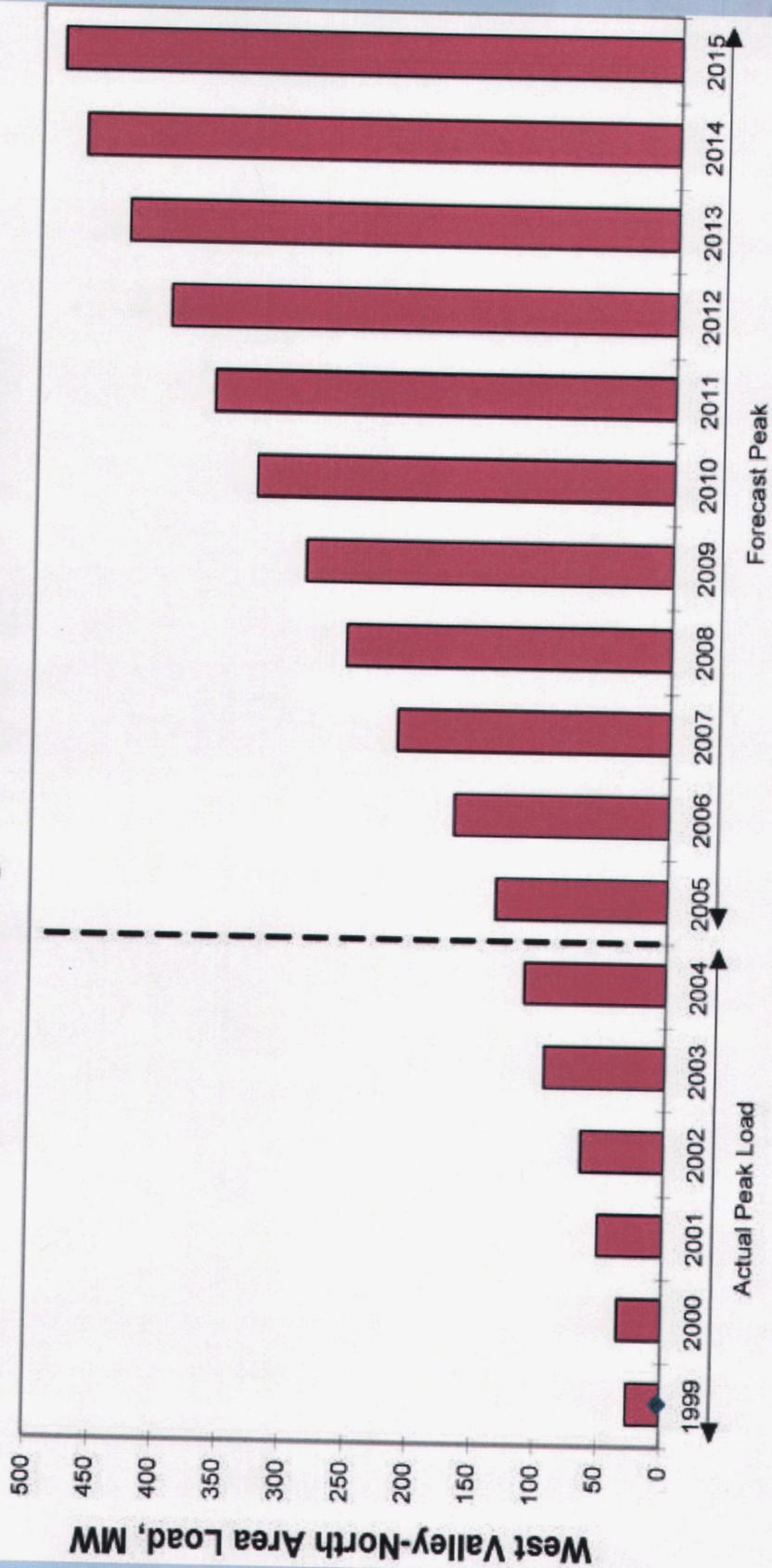
NOVEMBER 2004

West Valley-North Power Line and Substation Project

APS

Arizona Public Service Company
1000 North Central Avenue, Suite 1000, Phoenix, AZ 85004
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West Valley - North Area Loads



West Valley-North Area Load, MW

Selection Criteria

- Public acceptability
- Environmental compatibility
- Regulatory approvals
- Engineering
- Right-of-way acquisition
- Cost

Public Participation

- Meetings
 - Jurisdictional/agency
 - Landowner/developer
 - Individual
- Public open houses
 - February 27, 2004
 - July 29, 2004
 - July 30, 2004

TABLE A -1
AGENCY/JURISDICTION MEETING ATTENDEES

Agency/Jurisdiction Invited to the Three Meetings	Agency/Jurisdiction Represented on December 10, 2003	Agency/Jurisdiction Represented on February 19, 2004	Agency/Jurisdiction Represented on July 7, 2004
Arizona State Land Department		X	X
Central Arizona Project	X	X	X
City of Glendale	X	X	X
City of Surprise	X	X	X
Luke Air Force Base	X	X	X
Maricopa County Department of Transportation	X	X	X
Maricopa County Flood Control District	X	X	X
Maricopa County Planning	X	X	X
Maricopa County Parks and Recreation	X	X	X
Maricopa Water District	X	X	X
Town of Buckeye	X		
Waste Management of Arizona/Northwest Regional Landfill*			X

NOTE: * Representatives of the Northwest Regional Landfill were not invited to the December 10 and February 19 meetings; however, as a result of a meeting between APS, URS, and Northwest Regional Landfill representatives on April 12, 2004, they were invited to attend the July 7, 2004, agency/jurisdiction meeting.

TABLE A -2
 LANDOWNER/DEVELOPER MEETING ATTENDEES

Landowner/Developer Invited to the Two Meetings	Landowner/Developer Represented on December 17, 2003	Landowner/Developer Represented on July 9, 2004
Burcor Ltd.		X
Cactus Lane Ranch (Fulton Homes)	X	X
CMX Inc.	X	
DR Horton Homes (Continental)*	X	X
Cortessa		X
Douglas Ranch	X	
Fox Trails		X
Festival Ranch		X
The Hampton Group, Inc.		X
Sun City Festival (Pulte Homes)*	X	X
Sarah Ann Ranch*	X	X
Spurlock Ranch		X
Sun Valley (Vistoso Partners)	X	X
Sycamore Farms	X	
Surprise Farms		
Stardust Development		X
Arizona Land Advisors		
Sierra Montana		

*Amended from Exhibit B-1 in Appendix A

Individual Meetings

- Arizona State Land Department
- Maricopa Water District
- Luke Air Force Base
- Northwest Regional Landfill
- Volvo Proving Grounds
- Buckeye Town Council
- Sun City Grand
- Development Community Meeting (i.e. Pulte, Del Webb Dry Utility Service, Sundt, Vistoso Partners, Lyle Anderson Company and CMX)
- Multi-Jurisdictional Meeting (i.e. City of Surprise, Maricopa County and Arizona State Land Department)

Public Participation

- Additional outreach
 - Newsletters
 - Internet web site
 - Telephone information line
 - Written correspondence
 - Publication of notice
 - Print media
 - Signs

Public Notification

**PROPOSED
POWER LINE CORRIDOR
PUBLIC HEARING**
APS WEST-VALLEY NORTH
230KV POWER LINE AND
SUBSTATION PROJECT
The public is invited to participate at a
public hearing before the
Arizona Power Plant and Transmission Line
Siting Committee commencing on:
January 24th, 2005 at 9:30 a.m.
Special Public Comment Session at 6:30 a.m.
Glendale Civic Center
5750 W. Glenn Dr.
Glendale, AZ 85301
APS Information: 602-493-4446
or <http://siting.apscc.com>

**PROPOSED
POWER LINE CORRIDOR
PUBLIC HEARING**
APS WEST-VALLEY NORTH
230KV POWER LINE AND
SUBSTATION PROJECT
ARIZONA CORPORATION COMMISSION
Docket # L-000000-04-127
The public is invited to participate at a
public hearing before the
Arizona Power Plant and Transmission Line
Siting Committee commencing on:
January 24th, 2005 at 9:30 a.m.
(Special Public Comment Session at 6:30 p.m.)
January 25th, 2005 at 9:30 a.m.
Glendale Civic Center
5750 W. Glenn Dr.
Glendale, AZ 85301
APS Information: 602-493-4446
or <http://siting.apscc.com>

Environmental Studies

Randall L. Simpson

URS Corporation
Project Manager

Witness Background

- Educational background
 - BS in Environmental Design
 - BLA in Landscape Architecture
- Professional background
 - West Valley-North Project Manager
 - Manager, URS' Energy and Utilities business line
 - 13 years of experience in issues related to planning/landscape architecture, engineering, and infrastructure design
 - Participated in 23 transmission line and 10 generating facility projects throughout Arizona, as well as other states
 - Previously testified and presented to the Arizona Power Plant and Transmission Line Siting Committee and California Energy Commission

Outline of Testimony

- Overview of the environmental studies
- Virtual tour of Preferred System Option and alternatives
- Environmental resource analysis and environmental compatibility
 - Preferred System Option
 - Alternative Options

Overview of the Environmental Studies

- Regional study area
- Compatibility evaluation
- Initially studied broad range of alternative transmission line and substation sites
- Evaluated transmission line and substation system options
- Environmental factors assisted APS in refining system options carried forward
- Public and agency input considered throughout process

Environmental Analysis

- Environmental analysis focused on
 - existing and future land use
 - biological resources
 - cultural resources
 - visual resources
- Environmental analysis considered issues identified by agencies and the public throughout the process

Key Features

- Residences and communities
- Agricultural and vacant areas
- White Tank Mountain Regional Park
- Maricopa County Regional Trail System
- Luke Air Force Base Auxiliary Field #1
- Sun Valley Parkway/Loop 303 Freeway
- McMicken Dam and Beardsley Canal
- Central Arizona Project Canal/Hassayampa Pump Station
- Existing 500kV transmission line corridor
- Northwest Regional Landfill and Volvo Proving Grounds

Virtual Tour

Preferred System Option

Point 1: TS2 Substation Location (West Valley South)

Point 2: Loop 303 and Peoria Avenue

Point 3: Loop 303 and Cactus Road

Point 4: Cactus Road and Cotton Lane (West)

Point 5: McMicken Dam and Greenway Road

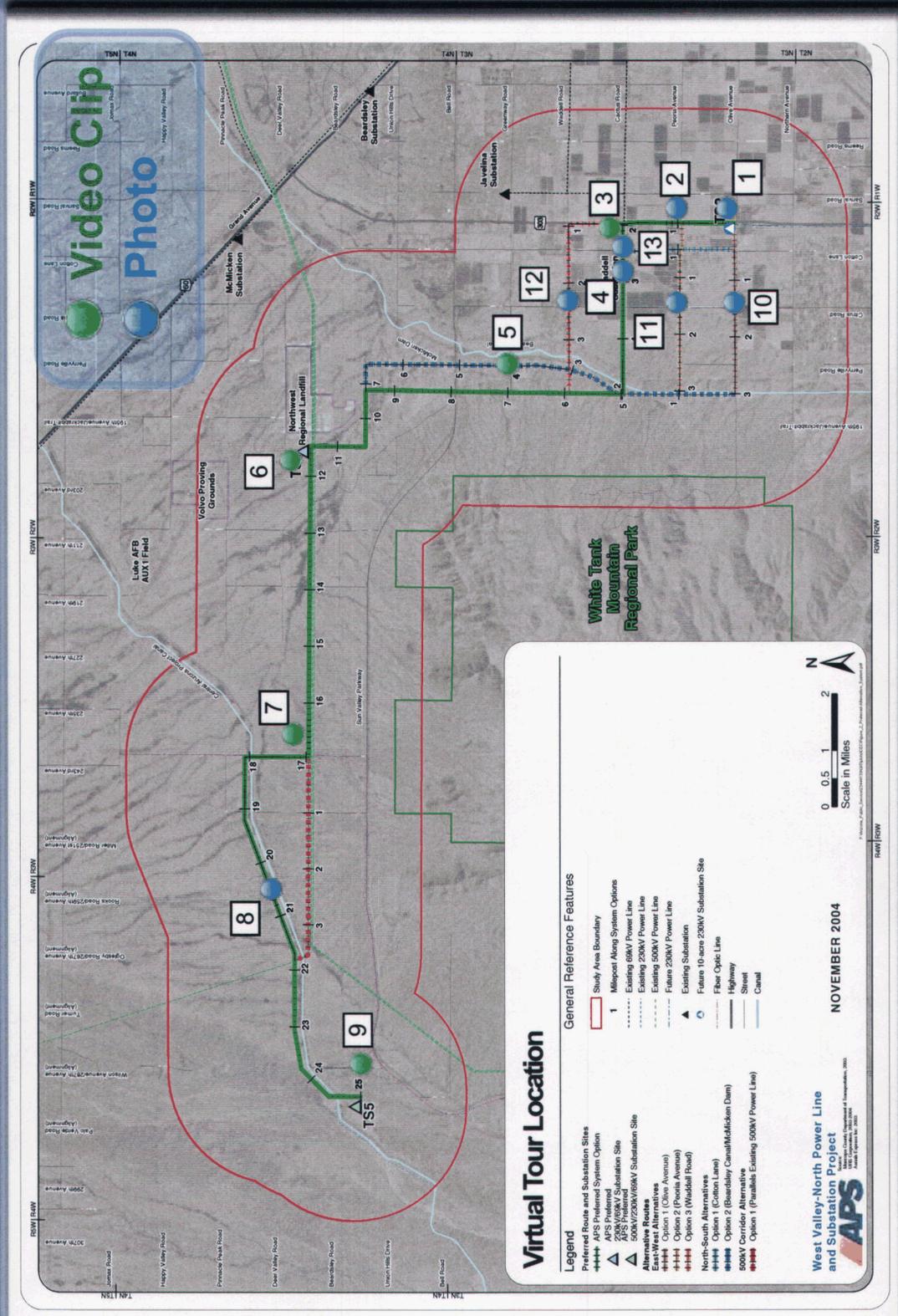
Point 6: TS1 Substation Location

Point 7: Fiber Optic and 500kV Alignment

Point 8: Central Arizona Project Canal

Point 9: TS5 Substation Location

West Valley North - Virtual Tour



click on video or photo button to view

Virtual Tour Photos

Point 1: TS2 Substation Location
(West Valley South)

Viewing west across the Loop 303 just north of
Olive Avenue



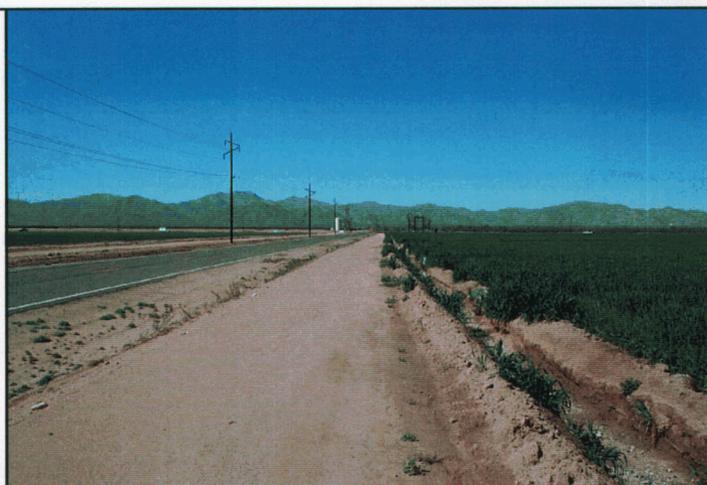
Point 2: Loop 303 and Peoria Avenue

Viewing north along the east side of Loop 303 just
north of Peoria Avenue



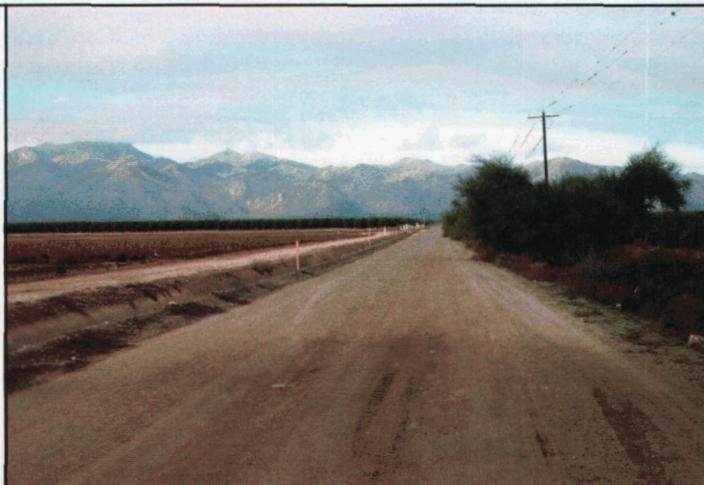
Point 3: Loop 303 and Cactus Road

Still frame shot from video viewing south from the
northwest corner of Cactus Road and the Loop
303



Point 4: Cactus Road and Cotton Lane
(West)

Viewing west along Cactus Road just west of
Cotton Lane



Point 5: McMicken Dam and Greenway Road

Still frame shot from video viewing west from
Greenway/Crozier Road and the McMicken Dam



Point 6: TS1 Substation Location

Still frame shot from video viewing southeast from
approximately Deer Valley Road and just east of
203rd Avenue



Point 7: Fiber Optic and 500kV Alignment

Viewing west along the existing 500kV corridor just east of the fiber optic corridor



Point 8: Central Arizona Project Canal

Viewing southwest along the maintenance road on the north side of the CAP Canal at approximately 259th Avenue



Point 9: TS5 Substation Location

Still frame shot from video viewing west from approximately 287th Avenue and the half section line between Beardsley Road and Union Hills Drive



Virtual Tour (continued)

Alternative Options

Point 10: Olive Avenue and Citrus Road

Point 11: Peoria Avenue east of Citrus Road

Point 12: Waddell Road and Citrus Road

Point 13: Cactus Road and Cotton Lane (South)

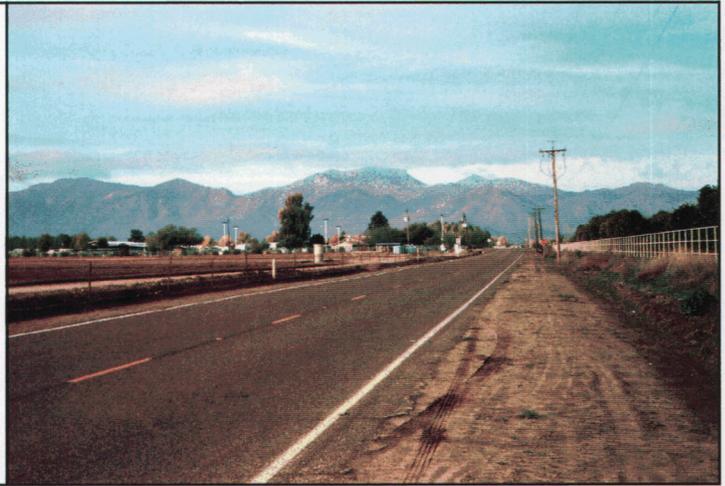
Point 10: Olive Avenue and Citrus Road

Viewing west along Olive Avenue just west of Citrus Road



Point 11: Peoria Avenue east of Citrus Road

Viewing west along Peoria Avenue from just east of Citrus Road



Point 12: Waddell Road and Citrus Road

Viewing west along Waddell Road just west of Citrus Road



Point 13: Cactus Road and Cotton Lane
(South)

Viewing south along Cotton Lane from Cactus
Road



Preferred System Option

Land Use Summary

- Located primarily along existing linear features
- Predominantly adjacent to areas of agricultural land, undeveloped open space, and existing transmission lines, canals, and roads
- Future plans include adjacent residential and commercial development (as designated in specific and general plans)
- Likely, no adverse impacts on existing or future land uses
- Concurrence from Maricopa County, City of Surprise, Arizona State Land Department, and Luke Air Force Base

Preferred System Option

Biological Resources

- Located primarily along existing linear features where there is established access resulting in minimal soil and vegetation disturbance
- Predominantly adjacent to areas of agricultural or previously disturbed areas, as well as some desert open space
- Based on current approved plans and general plans much of the area next to the alignment would be developed, which further reduces the potential impacts on biological resources
- Impacts to common wildlife and vegetation/habitat are low adjacent to agricultural/undeveloped areas and moderate to high west of McMicken Dam and south of Sun Valley Parkway
- Not likely to adversely effect threatened or endangered species

Preferred System Option

Cultural Resources

- Reviewed prior studies for siting study and conducted pedestrian field survey of all accessible areas along the Preferred System Option
- One *Register-Eligible* resource (i.e., Beardsley Canal) and nine *Register-Ineligible* resources (i.e., three historic-period structures and six archaeological sites) were identified
- If Beardsley Canal is spanned then no negative effects would occur to cultural resources and no preservation treatment warranted
- Study reviewed by ASLD, Maricopa County Flood Control District, Bureau of Reclamation and the State Historic Preservation Office
- State Historic Preservation Office concurred with study findings and APS will continue to consult with SHPO as appropriate throughout design and construction
- Likely, no adverse effects to archaeological and historic sites

Preferred System Option

Visual Resources

- Located primarily along linear features where other vertical elements (e.g., transmission lines, embankments/canals, roadways signs and light fixtures) are or will be present
- Currently adjacent to primarily agricultural or vacant land
- Future plans include adjacent residential and commercial development (as designated in specific and general plans) and can be designed to visually accommodate the proposed facilities into the landscape
- Review of simulations
- Likely, no adverse impacts to the existing or future landscape setting and views



Existing Conditions: Viewing southwest toward Central Arizona Project Hassayampa Pump Station.



Visual Simulation: Viewing transmission line and TSS Substation from approximately 3100 feet.



Viewpoint Location

General Photo Simulation Data

Field of View	63 degrees
Date	10/13/2004
Approximate Time	2:00pm
Atmospheric Conditions	sunny and clear

Visual Simulation
 TSS Substation
 West Valley-North Power Line
 and Substation Project
APS
 January 2005
Project: West Valley-North Power Line and Substation Project
 Application: EIS 150-000000-04

Exhibit E-5

Preferred System Option

Conclusions

- The Preferred System Option is compatible with existing and future land uses in the West Valley
- Environmental impacts are minimal due to strategic siting, as well as inherent facility design features and implementation of mitigation measures to reduce impacts
- Public and agency support for the Preferred System Option
- The Preferred System Option is environmentally compatible

Alternative Options

- East-West Alternatives
 - Option 1 (Olive Avenue)
 - Option 2 (Peoria Avenue)
 - Option 3 (Waddell Road)
- North-South Alternatives
 - Option 1 (Cotton Lane)
 - Option 2 (Beardsley Canal/McMicken Dam)
- 500kV Corridor Alternative
 - Option 1 (parallels existing 500kV power line)



Transmission System

Bob Smith

Arizona Public Service Company
Manager, Transmission Planning

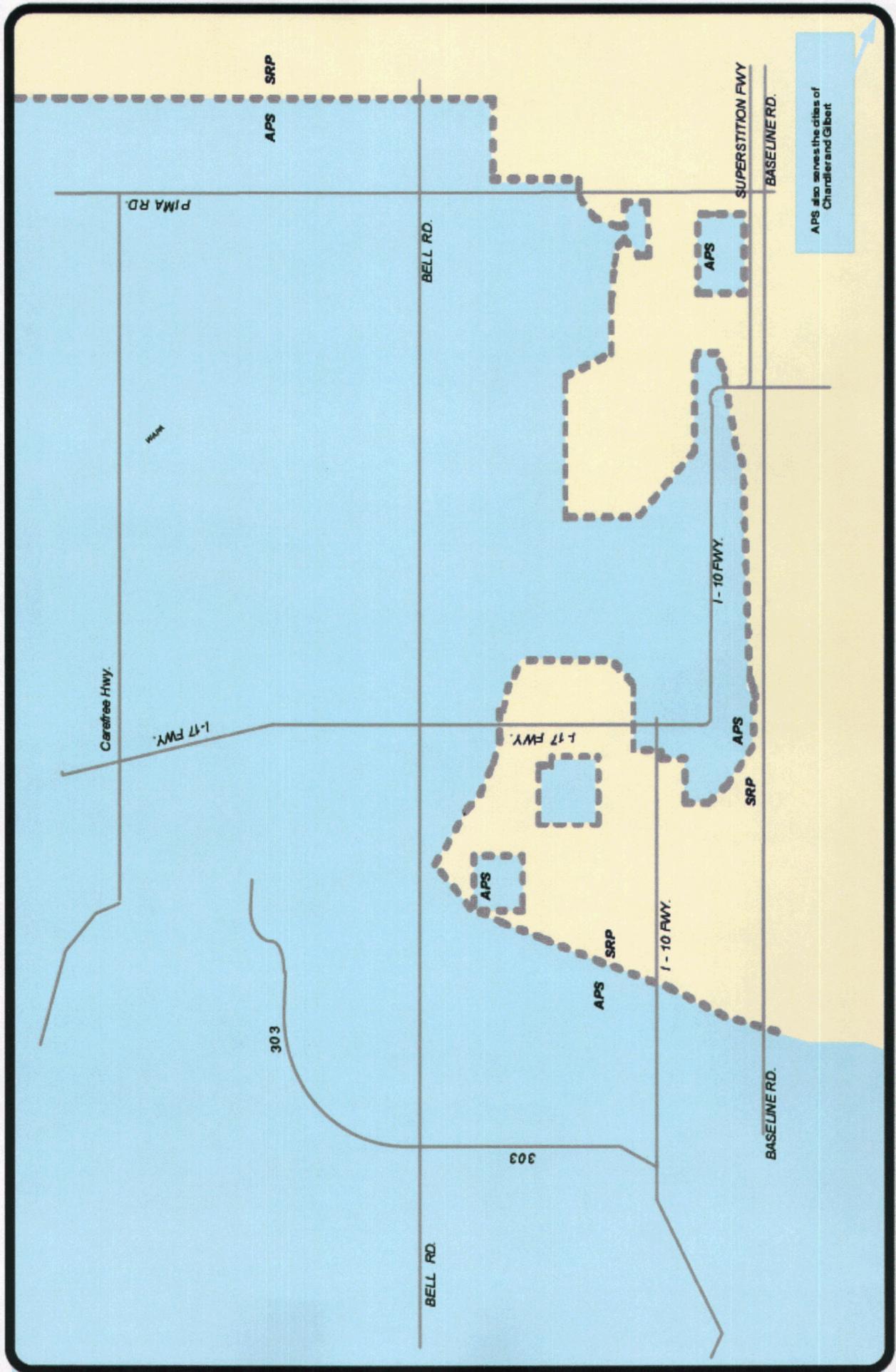
Witness Background

- Educational background
 - BS Pharmacy, University of Utah
 - MSEE, New Mexico State University
- Professional background
 - 18 years of experience in electric utility industry transmission operations and planning
 - APS transmission operations manager 1997-2002
 - APS transmission planning manager since November 2002
 - Arizona-registered professional engineer
 - 12 years extensive involvement with WECC
 - Member of regional planning committees, i.e., SWAT, STEP (Co-chair), and SSG-WI

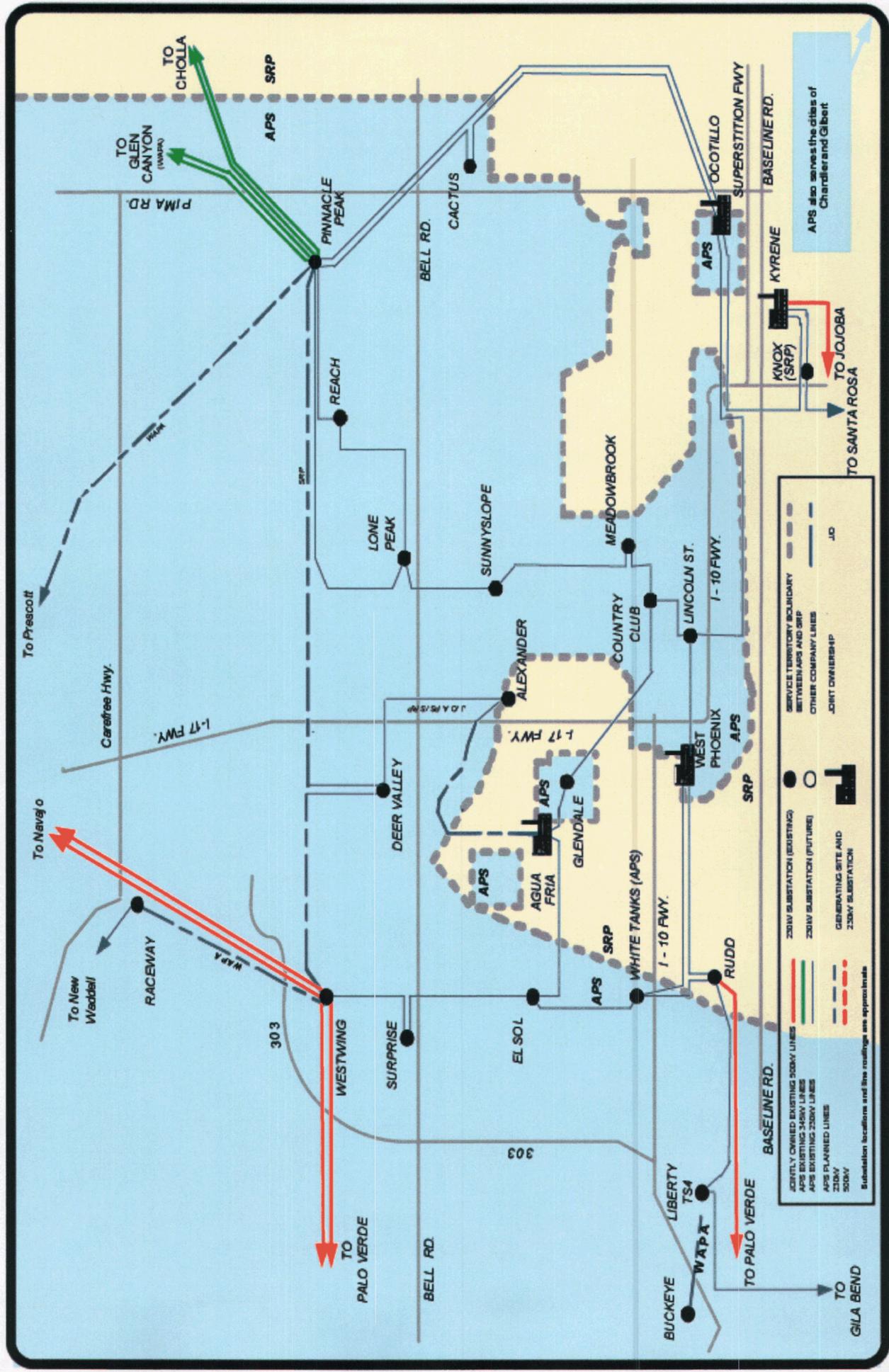
Outline of Testimony

- APS service territory
- APS Phoenix area existing and planned transmission system
- West Valley transmission projects
- Project benefits

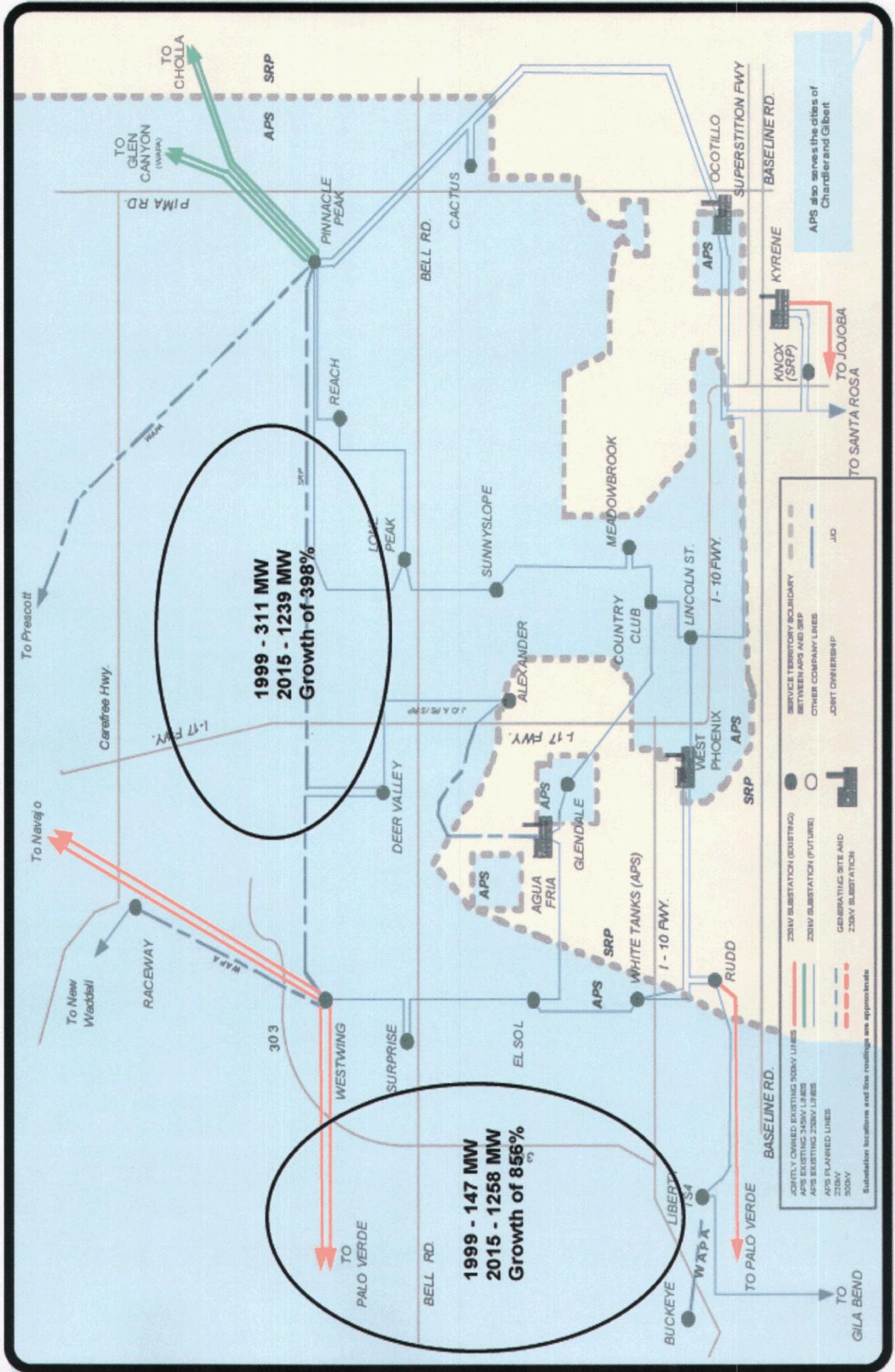
APS PHOENIX AREA SERVICE TERRITORY



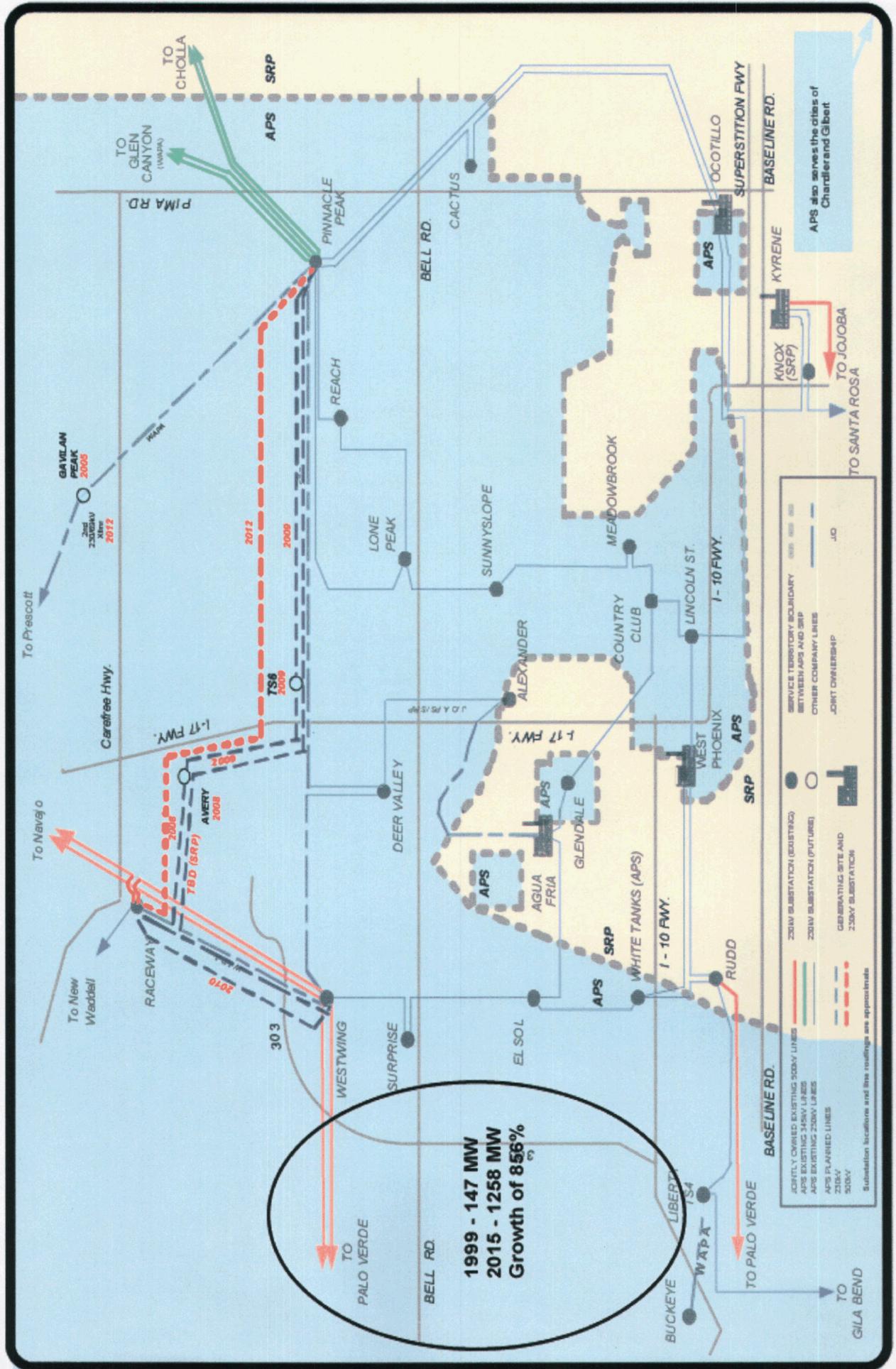
2004 APS PHOENIX AREA TRANSMISSION SYSTEM



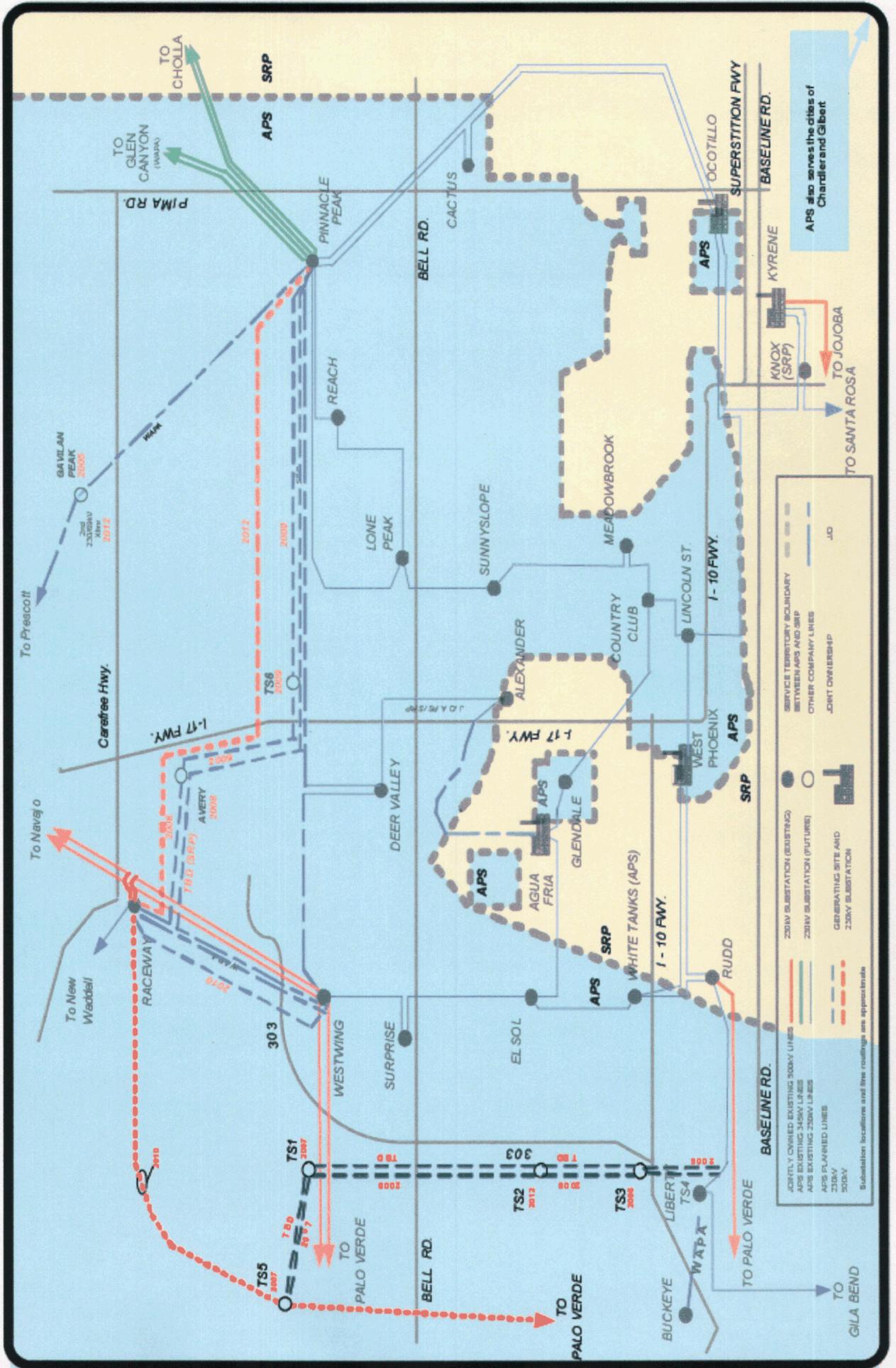
NORTHERN AND WESTERN PHOENIX AREA LOAD GROWTH



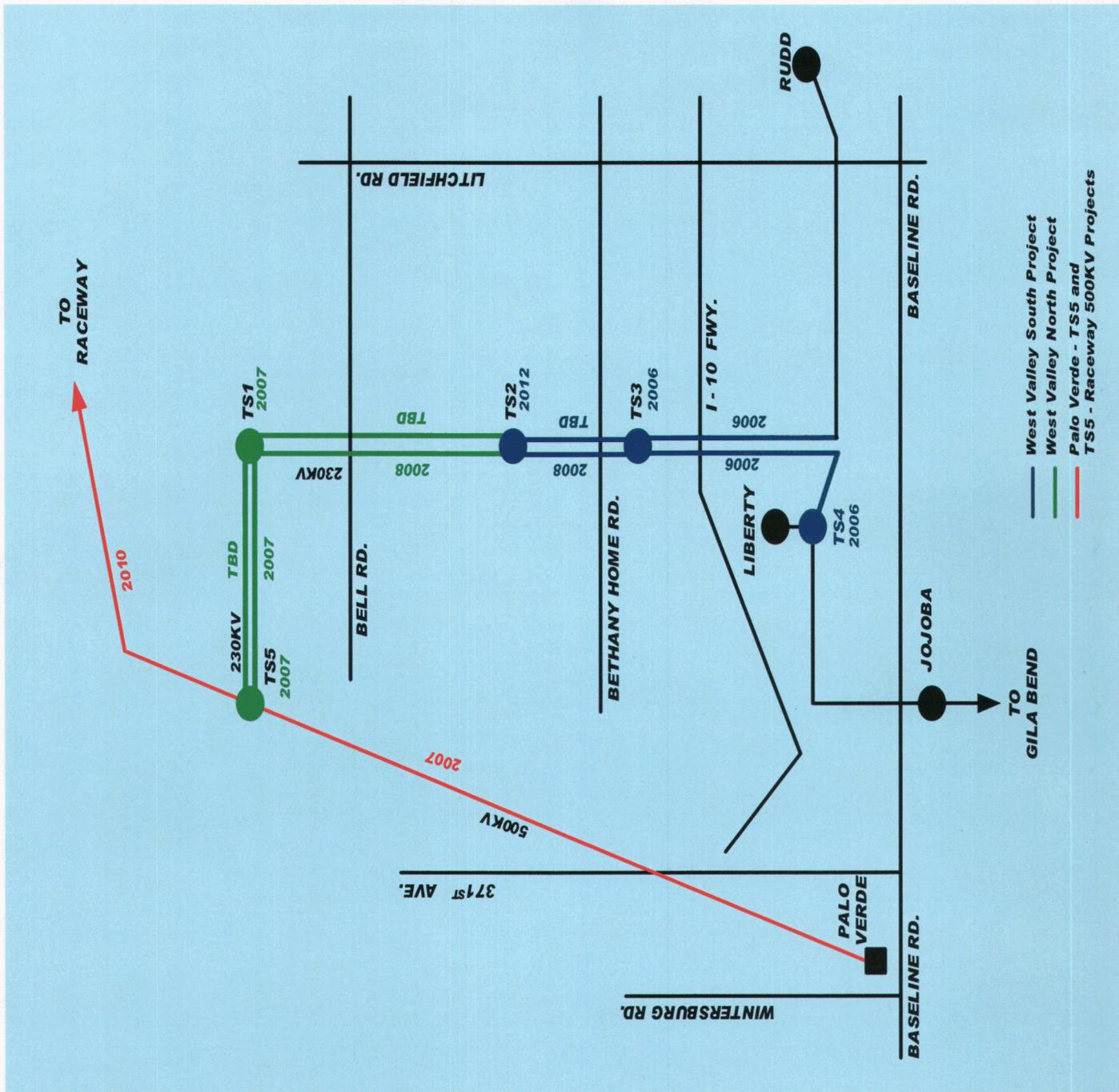
APS NORTHERN PHOENIX AREA 10 - YEAR TRANSMISSION PLANS



APS WESTERN PHOENIX AREA 10 - YEAR TRANSMISSION PLANS



WEST VALLEY TRANSMISSION PROJECTS



Project Benefits

- Support load growth in West Valley
- Increase overall reliability in West Valley
- Increase import capability
- Increase export capability from Palo Verde

SECTION II

Agency
Correspondence

Janet Napolitano
Governor

Mark Winkleman
State Land
Commissioner

Arizona State Land Department



1616 West Adams Street Phoenix, AZ 85007 www.land.state.az.us

January 11, 2005

Mr. Michael DeWitt
Project Manager
Arizona Public Service
Mail Station 4030
PO Box 53999
Phoenix, AZ 85072-3999

RECEIVED
JAN 11 2005
BY: *M. DeWitt*

Dear Mr. DeWitt:

On behalf of the Arizona State Land Department, I would like to take this opportunity to thank you for the ongoing efforts to accommodate the concerns raised by the Department on the issues relating to the APS North West Valley Transmission Line and Substation Project.

As we discussed, the Department supports the APS Preferred System Option. The preferred option is consistent with Department's responsibilities and obligations of managing State Trust lands in the vicinity of the project.

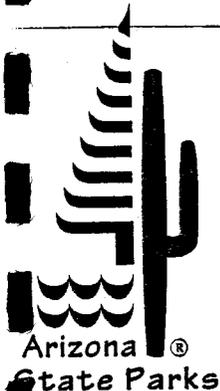
Again, we appreciate APS' commitment to public participation and the willingness to address our concerns.

If I can be of any further assistance, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark Winkleman".

Mark Winkleman
State Land Commissioner



In reply, please refer to
SHPO-2004-2278 (22372)
State Historic Preservation Act
no historic properties affected

January 6, 2005

Laurie A. Woodall, Chairperson,
Power Plant and Transmission Line Siting Committee
Assistant Attorney General, Environmental Enforcement Section,
Office of the Attorney General
1275 West Washington
Phoenix, Arizona 85007

RE: Arizona Public Service (APS) West Valley-North Transmission Line and
Substation Project, Maricopa County, Arizona; Case No. 127

Dear Ms. Woodall:

Thank you for consulting with this office regarding the above-mentioned state plan and associated certificate of environmental compatibility. The proposed plan entails the construction of ca. 25.1 miles of overhead utility lines, access roads as needed and two substations. The plan involves mainly private land, although some Maricopa County Flood Control District, Arizona State Land Department, U.S Bureau of Reclamation, lands are present. We received both the Application and a cultural resources survey report. Historian Bill Collins and I reviewed the documents submitted and offer the following comments pursuant to the State Historic Preservation Act (i.e., A.R.S. § 41-861 to 41-864) and the committee's factors to be considered (i.e., A.R.S. § 40-360.06.A.5).

Our advice to a state agency under state law should not be used or construed in any way to substitute for or limit our advice to a federal agency under federal law much less foreclose or limit a federal agency's decision-making ability. If a federal agency is associated with this state plan, they may have undertaking and need to consult with our office directly under Section 106 of the National Historic Preservation Act if they haven't done so already.

The cultural resource survey of the proposed right-of-way corridor identified four historic-period structures, seven historic or prehistoric archaeological sites and 34 isolated artifact and/or feature occurrences (IOs). The report was professionally prepared and well written.

We agree that the Beardsley Canal (AZ T:6:5 ASM) is eligible for inclusion in the State Register of Historic Places. We agree that the Atchison Topeka & Santa Fe Railroad Spur, McMicken Dam, an unnamed earthwork structure (AZ T:7:344 ASM), Site AZ T:6:3 (ASU), and Sites AZ T:6: 13, 14, 96, 97, 98, and 99 (ASM), as

Janet Napolitano
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William Cordasco
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Janice Chilton
Payson

Mark Winkleman
State Land
Commissioner

Kenneth E. Travous
Executive Director

Arizona State Parks
1300 W. Washington
Phoenix, AZ 85007

800.285.3703 from
(602 & 928) area codes
www.azstateparks.com

800.285.3703 from
(602 & 928) area codes

General Fax:
602.542.4180

Director's Office Fax:
602.542.4188

Letter to Siting Committee, 1/6/05, Page 2
Arizona Public Service West Valley-North Transmission Line and Substation Project, Maricopa
County, Arizona; Case No. 127

well as the 34 IOs are ineligible for inclusion in the State Register of Historic Places at this time. We note that McMicken Dam is not yet 50 years old and its Register-eligibility status may need to be reassessed in the future. Please consider any comments the committee receives from the land-managing agency.

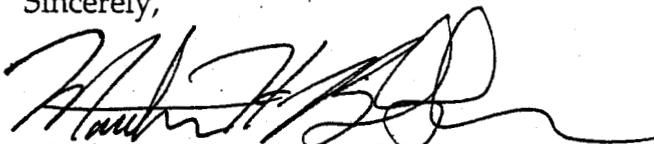
Based on the above, a finding of no impacts (cf. no historic properties affected) is warranted for this plan and no further preservation treatment is needed provided that the transmission line avoids impacting the Beardsley Canal by spanning over it as planned.

We offer the following condition for the committee's consideration:

1) Should an archaeological, paleontological, or historical site or object be discovered during plan-related activities on state, city, or county land, the person in charge is required to notify promptly the Director of the Arizona State Museum and take reasonable steps to secure and maintain the resource's preservation pursuant to state law (i.e., A.R.S. § 41-844). If a discovery involves human remains or funerary objects and occurs on private land, procedures implementing A.R.S. § 41-865 must be followed.

We appreciate the committee's cooperation with this office in considering the effects of state plans on cultural resources situated in Arizona. If you have any questions, please contact me at (602) 542-7137 or via mbilsbarrow@pr.state.az.us.

Sincerely,



Matthew H. Bilsbarrow, RPA
Planner / Archaeologist
Arizona State Historic Preservation Office

cc.
Bill Collins, SHPO
Gene Rogge, URS

ARIZONA DEPARTMENT OF WATER RESOURCES
OFFICE OF WATER ENGINEERING
Dam Safety and Flood Mitigation
500 North Third Street, Phoenix, Arizona 85004
Telephone 602 417-2445
Fax 602 417-2423



Janet Napolitano
Governor

Herbert R. Guenther
Director

January 5, 2005

Docket Control
Arizona Corporation Commission
1200 West Washington Street
Phoenix, Arizona 85007

RECEIVED

Re: West Valley-North Power Case No. 127

BY: *M. O. [Signature]*

Dear Sir/Madam:

L-00000D-04-0127

The Arizona Department of Water Resources (Department) has reviewed Figure 2, Preferred System Option and Alternative Options for the APS West Valley-North Power Line and Substation Project. The power line routes shown are adjacent to, along and cross McMicken Dam, which is a jurisdictional structure under A.R.S. § 45-1201. These proposed routes may require that the dam owner file an Application for Approval of the Plans and Specifications for the Construction, Enlargement, Repair, Alteration or Removal of a Dam and Reservoir (A.R.S. §§ 45-1203, 1206) to obtain a permit from the Department. However, maintaining a setback distance of 100 feet from the toe of the dam for any structure related to the project will minimize the potential need for a permit from the Department.

We understand that the project is being coordinated with the Flood Control District of Maricopa County who owns and operates the dam. We would appreciate receiving more detailed plans of the project as they are developed, either from the Flood Control District or from the Commission.

Should you have any questions, please feel free to contact me, or Jon Benoist from my staff at 602-417-2445.

Sincerely,

J. Darrell Jordan

J. Darrell Jordan
Manager

cc: Herb Guenther, Director, ADWR
Laurie Woodall, Assistant Attorney General

AZ CORP COMMISSIO
DOCUMENT CONTROL

2005 JAN -5 P 3:4

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THE STATE OF ARIZONA
GAME AND FISH DEPARTMENT

2221 WEST GREENWAY ROAD, PHOENIX, AZ 85023-4399
(602) 942-3000 • AZGFD.COM

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DIRECTOR
DUANE L. SHROUFE
DEPUTY DIRECTOR
STEVE K. FERRELL



December 27, 2004

Ms. Laurie A. Woodall, Chairman
Power Plant and Transmission Line Siting Committee
Office of the Attorney General
1275 West Washington
Phoenix, Arizona 85007

RECEIVED
BY: *M. D. [Signature]*

Re: Certificate of Environmental Compatibility for the West Valley-North Power Line and Substation Project

Dear Chairman Woodall:

The Arizona Game and Fish Department (Department) has reviewed the above-referenced Certificate of Environmental Compatibility (CEC) for potential impacts to fish and wildlife resources. The Department understands that the proposed project consists of constructing one 230 kilovolt (kV) substation, one 500 kV substation, and associated 230 kV power lines. These infrastructure upgrades are to improve electrical reliability and to accommodate for future electrical load growth occurring within and around the study areas.

Based on information within the CEC application, it appears that the majority of the proposed routes will follow the existing 500 kV power line, Central Arizona Project Canal, routes or roadways in/near residential areas. We support locating power lines along previously disturbed routes to minimize any impacts to wildlife and associated habitats. We also understand that land adjacent to the proposed corridor has been designated for development and would be developed prior to the construction of the power line, further reducing the potential for impacts from this project.

Since various raptor species may use transmission line support structures for perching and/or nesting, the Department recommends that APS follow the established guidelines within their Raptor Protection Program to ensure that necessary preventative measures are incorporated into the project to minimize the potential for electrocution to raptors.

The proposed substation sites as assessed in Exhibit D, conclude disturbance in the area would generate low impacts to wildlife and associated habitats, due to the existing vegetation communities and existing dirt roads; however, the xeroriparian and wash bottom communities do provide important movement corridors for wildlife. The Department supports the recommendations listed in this Exhibit with regards to the Preferred System Option and the avoidance of these wash communities to minimize any potential fragmentation of these corridors.

Ms. Laurie A. Woodall

December 27, 2004

2

The Department appreciates the opportunity to review this CEC application prior to consideration by the Power Plant and Transmission Line Siting Committee. We look forward to working closely with the Committee in the future to develop potential alternatives and appropriate mitigation to avoid or minimize impacts to fish and wildlife resources as a result of proposed powerplant and transmission line projects. If you have any questions or require any additional information regarding this letter, please contact me at (602) 789-3605.

Sincerely,



Bob Broscheid
Habitat Branch Chief

BB:kh

cc: Rebecca Davidson, Project Evaluation Program Supervisor
Russ Haughey, Habitat Program Manager, Region VI
Mike DeWitt, APS Project Manager



December 2, 2004

Gordon Taylor
Planning Section Manager
Arizona State Land Department
1616 West Adams
Phoenix, Arizona 85007

**Re: APS West Valley-North Power Line and Substation Project
Certificate of Environmental Compatibility Application Document Case No. 127**

Dear Mr. Taylor:

Arizona Public Service (APS) is planning to expand its electrical transmission system in the West Valley to include new transmission lines and substations. Based on anticipated growth, APS has developed electrical demand estimates indicating a need for one 230 kilovolt (kV) substation and one 500/230kV substation and an associated 230kV transmission line to reliably provide electricity in the West Valley. APS retained URS Corporation (URS) to (1) assist with the siting of facilities with consideration of environmental factors; (2) conduct environmental studies on proposed facilities at specific locations; and (3) coordinate consultation with regulatory agencies. Coordination with the Arizona State Land Department occurred several times throughout the siting process

As part of this project, the proposed 230kV facilities require preparation and submittal of an application for a Certificate of Environmental Compatibility (CEC). APS has submitted a CEC application for review by the Arizona Power Plant and Transmission Line Siting Committee (Committee) on November 23, 2004. The Committee has scheduled the first public hearing on January 24, 2005 to commence at 9:30 AM with an evening session to commence at 6:30 PM. The public hearing will be held at the City of Glendale Civic Center.

During recent CEC proceedings, the Committee has requested input from state agencies on the CEC application. In anticipation of the Committee's request, *APS would like your agency's input on the 230kV facilities described in the application, including the Preferred System Option and alternative options and associated substations.* The complete CEC Application has been enclosed for your convenience. Please consider this correspondence as a formal request for comments or any concerns that your agency may have regarding the project.

If you have any questions or require additional information please contact me at (602) 493-4446 or our environmental consultant, Randall L. Simpson of URS at (602) 861-7420. We appreciate your assistance and respectfully request a written response.

Sincerely,

Mike DeWitt
Arizona Public Service
Project Manager
Transmission and Facility Siting
Mail Station: 4030
P.O. Box 53933
Phoenix, Arizona 85072-3933

Enclosure

cc w/o encl.: Laurie Woodall, Assistant Attorney General
Randall L. Simpson, URS Corporation



December 2, 2004

Mr. Bob Broscheid
Habitat Branch
Arizona Game and Fish Department
2222 West Greenway Road
Phoenix, Arizona 85023

**Re: APS West Valley-North Power Line and Substation Project
Certificate of Environmental Compatibility Application Document Case No. 127
File Number- AGFD #02-08-04 (20)**

Dear Mr. Broscheid:

Arizona Public Service (APS) is planning to expand its electrical transmission system in the West Valley to include new transmission lines and substations. Based on anticipated growth, APS has developed electrical demand estimates indicating a need for one 230 kilovolt (kV) substation and one 500/230kV substation and an associated 230kV transmission line to reliably provide electricity in the West Valley. APS retained URS Corporation (URS) to (1) assist with the siting of facilities with consideration of environmental factors; (2) conduct environmental studies on proposed facilities at specific locations; and (3) coordinate consultation with regulatory agencies. Initial correspondence from URS with the Arizona Game and Fish Department (AGFD) occurred on February 4, 2004, AGFD responded on February 26, 2004 (AGFD#02-08-04 [20]).

As part of this project, the proposed 230kV facilities require preparation and submittal of an application for a Certificate of Environmental Compatibility (CEC). APS has submitted a CEC application for review by the Arizona Power Plant and Transmission Line Siting Committee (Committee) on November 23, 2004. The Committee has scheduled the first public hearing on January 24, 2005 to commence at 9:30 AM with an evening session to commence at 6:30 PM. The public hearing will be held at the City of Glendale Civic Center.

During recent CEC proceedings, the Committee has requested input from state agencies on the CEC application. In anticipation of the Committee's request, *APS would like your agency's input on the proposed facilities described in the application, including the Preferred System Option and alternative options and associated substations.* The complete CEC Application has been enclosed for your convenience. Please consider this correspondence as a formal request for comments or any concerns that your agency may have regarding the project.

If you have any questions or require additional information please contact me at (602) 493-4446 or our environmental consultant, Randall L. Simpson of URS at (602) 861-7420. We appreciate your assistance and respectfully request a written response.

Sincerely,

Mike DeWitt
Arizona Public Service
Project Manager
Transmission and Facility Siting
Mail Station: 4030
P.O. Box 53933
Phoenix, Arizona 85072-3933

Enclosure

cc w/o encl.: Laurie Woodall, Assistant Attorney General
Randall L. Simpson, URS Corporation

Landowners/Developers
Correspondence



December 16, 2004

Mike DeWitt
Project Manager
Arizona Public Service
P. O. Box 53933, MS 4030
Phoenix, Arizona 85072-3933

RECEIVED
DEC 17 2004

BY: *M. DeWitt*

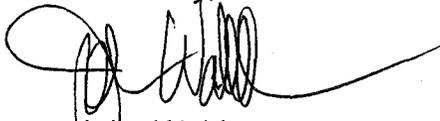
Dear Mike

Thank you and the APS team for continuing to work with us on your West Valley North Transmission Power Line Siting. As we have indicated previously, Pulte Homes supports the recommended alignment for the West Valley North Transmission Line Siting from TS 1 to TS 5. We also support the proposed TS 5 substation site adjacent to the Hassayampa Lift Station. We understand this site remains the recommended substation site in your submittal to the Arizona Corporation Commission. We will support your application at the Arizona Corporation Commission.

However, since January 2004, we continually have indicated in our correspondence our concerns regarding the fact that any potential alternatives other than the recommended West Valley North Power Transmission Line Siting Route or alternative TS 5 substation location would have devastating and negative impacts on the Sun City Festival platted master planned community, as well as the larger Festival Ranch community. These alternatives would be inconsistent with adopted master plans, which have been approved through the Town of Buckeye and with APS' stated goal of avoiding residential neighborhoods.

We request that as you go through the approval process that you notify us of any issues that arise which potentially may call into question the recommended route and substation site contained in your submittal. Again, we appreciate your interest in working constructively through this challenging process.

Sincerely,


John Waldron
Director, Project Planning
Pulte Homes

cc: The Honorable Robert Blendu, Arizona State Senate
The Honorable Carole Hubbs, Arizona State House of Representatives
The Honorable Tom Boone, Arizona State House of Representatives
The Honorable Mary Rose Wilcox, Maricopa County Supervisor
The Honorable Max Wilson, Maricopa County Supervisor
The Honorable Dustin Hull, Mayor, Town of Buckeye
The Honorable Chris Urwiller, Vice Mayor, Town of Buckeye
The Honorable Levi Beard, Council Member, Town of Buckeye
The Honorable Robert Garza, Council Member, Town of Buckeye
The Honorable W. Robert Doster, Council Member, Town of Buckeye
The Honorable Jackie Meck, Council Member, Town of Buckeye
The Honorable Elaine May, Council Member, Town of Buckeye
Carroll Reynolds, Town Manager, Town of Buckeye
Dennis Zwagerman, Buckeye Planning Director
Deanna Kupcik, Buckeye Valley Chamber of Commerce
Ben Redman, Area President, Pulte Homes
Sam Colgan, Vice President, West Valley Operations, Pulte Homes
Jeff Romaine, Pulte Homes
Taber Anderson, The Lyle Anderson Company
Dick Frye, The Lyle Anderson Company
Jan Bennett, Vice President, Arizona Public Service Company
Larry Kruger, Arizona Public Service Company
Larry Landry, Landry, Creedon & Associates

WOLFFER

From: "Nancy Monthofer" <nancymonthofer1@cox.net>
To: <mailmaster@cc.state.az.us>
Date: 11/22/2004 9:29:29 PM
Subject: # L-00000D-04-0127 Objection

RECEIVED
BY: *MLO*

Dear Corporation Commission Personnel,

This message is regarding an item on your docket, No. # L-00000D-04-0127. We are strongly opposed to the present first choice.

We are objecting to the detour of the proposed West Valley-North Power Line going north along the canal and then coming south along 243rd avenue. It is obvious some influential group is getting a special favor and other land owners have to pay the price.

We were told by Michael De.Witt of APS that the people that want the detour already have plat approval, which really shouldn't matter. The people that will be adversely affected by the detour will face the same adverse consequences when they want to develop their land. The power line detour will add considerable cost, and it just doesn't make any sense not to lay the line parallel to the existing power lines. I own 297 acres immediately north of the canal and on the east side of 243rd Avenue. The parcel numbers are:

- 503-83-021D 2
- 503-83-021N 1
- 503-83-021Q 8
- 503-81-017J 2

We also own 100 additional acres in close vicinity to the proposed power line area along the canal. I would be in favor of having the proposed power line going parallel to the existing power lines, as your alternative option shows.

Our phone number is 602-840-7194, and the cell number is 602-402-7154.

Sincerely,
Wolfgang E. Monthofer
Monthofer Investments, Ltd. Etal

=====
This footnote confirms that this email message
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postmaster@ccsd.cc.state.az.us CC
=====

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2004 NOV 24 1 A 8:26
AZ CORP COMMISSION
DOCUMENT CONTROL

Mike DeWitt
Project Manager APS
P.O. Box 53999
Phoenix, Az. 85072

RECEIVED

Regarding - APS Proposed Power Line route

Dear Mike,

BY: *M. DeWitt*

We own aproximately 10 Acres on Sun Valley Parkway and aproximately 192 nd. NorthOf Bell Rd.

Parcel #503-78-007H 9

We are very opposed to the APS Preferred System option. It seems to us it would make a lot more sense and disturb less property owners and property values if it were built on option #2.

The McMicken Dam property is there and unbildable. Why not add the Power lines to it? It would disrupt a lot fewer land owners and property values

Sincerely, Jackie Jensen
15241 105 Ave. SE
Yelm, Wa. 98597

Jackie Jensen

Nov. 1st 2004

Mike DeWitt
Project Manager APS
P.O. Box 53999
Phoenix, Az. 85072

RECEIVED
NOV 01 2004
BY: M. DeWitt

Regarding - APS Proposed Power line route

Dear Mike:

We own 30 Acres on Sun Valley Parkway
and approx. 192[±], North of Bell road.

Parcel # 503-78-007 JK

Parcel # 503-78-007 K3

We are Very opposed to the APS Preferred
System option. Seems to us, it would
make a lot more sense and disturb less
property owners and property values if it
were built on option #2.

The Memicken Dam property is there and
unbuildable. Why not add the power lines
to it? IT would disrupt a lot fewer
land owners and property values.

Sincerely, Judith F. Schroeder
14417 W. Parada Dr.
Scottsdale, West Az. 85375

SECTION III

APS West Valley--North Power Line and Substation Project Preferred System Option Tour Itinerary

The following itinerary presents the APS Preferred System Option and alternative options. The tour begins at the location of the proposed TS5 substation site, travels east toward the TS1 substation site, and then proceeds south toward the TS2 substation site (certificated in the West Valley-South Power Line and Substation Project [WVS], Case No. 122).

Meeting Place:

APS Office
16800 North Dysart Road (South of Bell on Dysart Road)
Surprise, AZ

General Location Description:

To get to the APS Surprise Service Center exit Loop 101 West at Bell Road and go west to Dysart Road (if you get to Grand Avenue you have gone too far). Turn left on Dysart Road and the building is on the right side next to the Surprise 230kV substation.

Meeting Date and Time:

January 28, 2004 at 9:00 AM

TOUR AGENDA (BEGINNING FROM THE PROPOSED TS5 SUBSTATION SITE)

- Sun Valley Parkway west to the proposed TS5 substation site
- Preferred System Option crossing to the north side of the Central Arizona Project (CAP) Canal
- Preferred System Option crossing of the CAP Canal at 243rd Avenue
- Preferred System Option and the existing 500kV transmission line corridor
- TS1 substation site—north of the existing 500kV transmission line corridor and west of the Northwest Regional Landfill
- Sun Valley Parkway/McMicken Dam
- Preferred System Option alignment—west of McMicken Dam, south along Crozier Road
- McMicken Dam and Greenway Road, east to Loop 303
- Waddell Road alignment (East-West Alternative Option 3)
- Preferred System Option alignment along Cactus Road
- Preferred System Option crossing of McMicken Dam and Beardsley Canal
- Preferred System Option alignment along Loop 303
- Peoria Avenue (East-West Alternative Option 2) and Cotton Lane (North-South Alternative Option 1)
- TS2 substation site (certificated in the WVS Project, Case No. 122 and point of origin for the WVN Project, Case No. 127)
- Olive Avenue (East-West Alternative Option 1)

DRIVING DIRECTIONS (See attached map of an aerial photo derived from Figure 2 of the CEC application):

AREA #1

PROPOSED TS5 SUBSTATION SITE

From the Surprise Service Center, head north on Dysart Road to Bell Road. Head west on Bell Road. Once atop the McMicken Dam, continue west along the Sun Valley Parkway (Bell Road) for approximately 13 miles and

turn north onto 287th Avenue. Head north along 287th Avenue (dirt road) for approximately 1.25 miles to the CAP Canal. Once at the CAP Canal, head west, following the dirt road along the south side of the canal for approximately 0.5 mile, arriving at Area #1.

Features to note near Area #1

- 1.1 *Location of the proposed TS5 substation site*
- 1.2 *Approved development of Sun City Festival development, under construction to the east (approximately 255th Avenue and Union Hills alignment)*
- 1.2 *Hassayampa Pump Station*
- 1.3 *Hassayampa River Corridor*
- 1.4 *CAP Canal*

AREA #2

PREFERRED SYSTEM OPTION ALIGNMENT PARALLELING THE CAP CANAL

From the proposed TS5 substation site, head north toward the CAP Canal, then follow the dirt road along the canal to where the existing 500kV line crosses the canal to the northwest. Head north across the canal (crossing located at milepost 21.8, as noted on the route tour map), arriving at Area #2.

Features to note near Area #2

- 2.1 *Approved developments of Spurlock Ranch (approximately 267th Avenue and Deer Valley Road alignment) and Festival Ranch (approximately Turner Road and Deer Valley Road alignment, located north of the CAP Canal)*
- 2.2 *Screening potential of the CAP Canal from the south*

AREA #3

CROSSING OF THE CAP CANAL TO THE SOUTH ALONG THE EXISTING FIBER OPTIC LINE (I.E., 243RD AVENUE)

Head north across the CAP Canal and travel along the service road on the north side; follow the CAP Canal for approximately 3 miles to Area #3.

Features to note near Area #3

- 3.1 *Existing fiber optic line*
- 3.2 *Development of Sun City Festival to the west*

AREA #4

PREFERRED SYSTEM OPTION ALIGNMENT ALONG EXISTING 500KV TRANSMISSION LINE CORRIDOR

Head south across the CAP Canal and travel along the fiber optic corridor for approximately 1 mile to Area #4.

Features to note near Area #4

- 4.1 *Existing 500kV transmission line corridor*
- 4.2 *Sun Valley Parkway (designated as recreational and scenic corridor) approximately 1 mile to the south of area #4*

AREA #5

PROPOSED TS1 SUBSTATION SITE

From Area #4, head north back over the CAP Canal and continue north on 243rd Avenue for approximately 3 miles. Turn east on Jomax Road (dirt road), and then take the first road to the north (235th Avenue). Take 235th Avenue north to Patton Road. Turn east on Patton Road and continue until U.S. 60 (Grand Avenue). From Grand Avenue, head southeast to Deer Valley Road and turn right (southwest). Continue along Deer Valley Road (past the Northwest Regional Landfill) and then turn to the south, arriving at the proposed TS1 substation site (Area #5).

Features to note near Area #5

- 5.1 *McMicken Substation (69kV)*
- 5.2 *Northwest Regional Landfill*
- 5.3 *Adjacent 500kV corridor*
- 5.4 *The proposed TS1 substation site and surrounding lands are planned for industrial and mixed-use land uses*
- 5.5 *Approved development of Fox Trails, located approximately 1.5 miles west of the proposed TS1 substation site (211th Avenue and the existing 500kV transmission line corridor)*

AREA #6

SUN VALLEY PARKWAY FROM MCMICKEN DAM

From Area #5, head back to Grand Avenue and turn right (southeast) on Grand Avenue. Take Grand Avenue to Loop 303 and continue southbound on Loop 303 to Bell Road. Take Bell Road west to McMicken Dam, arriving at Area #6.

Features to note near Area #6

- 6.1 *McMicken Dam*
- 6.2 *Maricopa County Regional Trail Corridor linking White Tank Mountain Regional Park to the Lake Pleasant Regional Park*
- 6.3 *Potential future development of Zanjero Trails Development (South side of Bell Road and east of McMicken Dam)*

AREA #7

PREFERRED SYSTEM OPTION ALIGNMENT WEST OF MCMICKEN DAM

Head west along the Sun Valley Parkway for approximately 0.5 mile, then turn south on Crozier Road (dirt road). Travel south for approximately 1 mile (road will turn east), arriving at Area #7.

Features to note near Area #7

- 7.1 *McMicken Dam to the east*
- 7.2 *White Tank Mountain Regional Park approximately 1.5 miles west of Area #7*
- 7.3 *City of Surprise 2030 transportation planning has identified a major roadway west of the McMicken Dam and east of the White Tank Mountain Regional Park (approximate alignment along 195th Avenue/ Jackrabbit Trail, heading south from the Sun Valley Parkway)*

AREA #8

WADDELL ROAD ALIGNMENT

From Area #7, head east toward McMicken Dam. Once over the dam, continue east to Loop 303 (approximately 3 miles). Head south on Loop 303 and turn west on Waddell Road. Continue west on Waddell Road for approximately 2.25 miles, arriving at area #8.

Features to note near Area #8

- 8.1 Existing residential development on north side of Waddell Road
- 8.2 Approved development of Sarah Ann Ranch (1/2 section between Cotton Lane and Citrus Road), the potential developments of Cactus Lane Ranch (Citrus Road west for approximately 0.75 mile) and Zanjero Trails (west of the potential Cactus Lane Ranch development)

AREA #9

PREFERRED SYSTEM OPTION PARALLELING THE CACTUS ROAD ALIGNMENT

From Area #8, head east back on Waddell Road to Loop 303 and turn south. Continue south on Loop 303 to Cactus Road, arriving at Area #9.

Features to note near Area #9

- 9.1 Vacant/undeveloped land
- 9.2 Approved development of Sarah Ann Ranch (1/2 section between Cotton Lane and Citrus Road), and potential future developments of Emerald (Cotton Lane and Cactus Road), Cactus Lane Ranch (Citrus Road west for approximately 0.75 mile) and Zanjero Trails (west of Cactus Lane Ranch development).
- 9.3 Approved development of Sycamore Farms (Sarival Road to Cotton Lane) and the potential future developments of Cactus Lane Ranch (Cotton Lane to Perryville Road) and Zanjero Trails (Perryville Road to Beardsley Canal).

AREA #10

PREFERRED SYSTEM OPTION CROSSING OF MCMICKEN DAM AND TURN TO THE NORTH

From Area #9, head west along Cactus Road (dirt road) for approximately 2.8 miles, arriving at the Beardsley Canal (Area #10).

Features to note near Area #10

- 10.1 McMicken Dam
- 10.2 Beardsley Canal

AREA #11

PREFERRED SYSTEM OPTION ALIGNMENT ALONG LOOP 303

From Area #10, head east on Cactus Road to Loop 303. Take Loop 303 south to Peoria Avenue, arriving at Area #11.

Features to note near Area #11

- 11.1 Future commercial area for the approved development of Sycamore Farms (Sarival Road to Cotton Lane)

- 11.2 *Potential future development of Cactus Lane Ranch (Loop 303 to Cotton Lane)*
- 11.3 *Loop 303*

AREA #12
PEORIA AVENUE AND COTTON LANE ALIGNMENTS

Head west from Loop 303 on Peoria Avenue (Area #11) for approximately 2.6 miles, arriving at Area #12. Approximately 0.5 mile west of Loop 303 is Cotton Lane where the North-South alternative option 1 is located.

Features to note near Area #12

- 12.1 *Potential future development of Cactus Lane Ranch (northwest of Cotton lane and Peoria Avenue)*
- 12.2 *Existing residential developments (south side of Peoria Avenue)*

AREA #13
TS2 SUBSTATION SITE (CERTIFICATED IN THE WVS PROJECT, CASE NO. 122)

From Perryville Road and Peoria Avenue (Area #12), go east to Loop 303. Take Loop 303 south to Olive Avenue, arriving at Area #13.

Features to note near Area #13

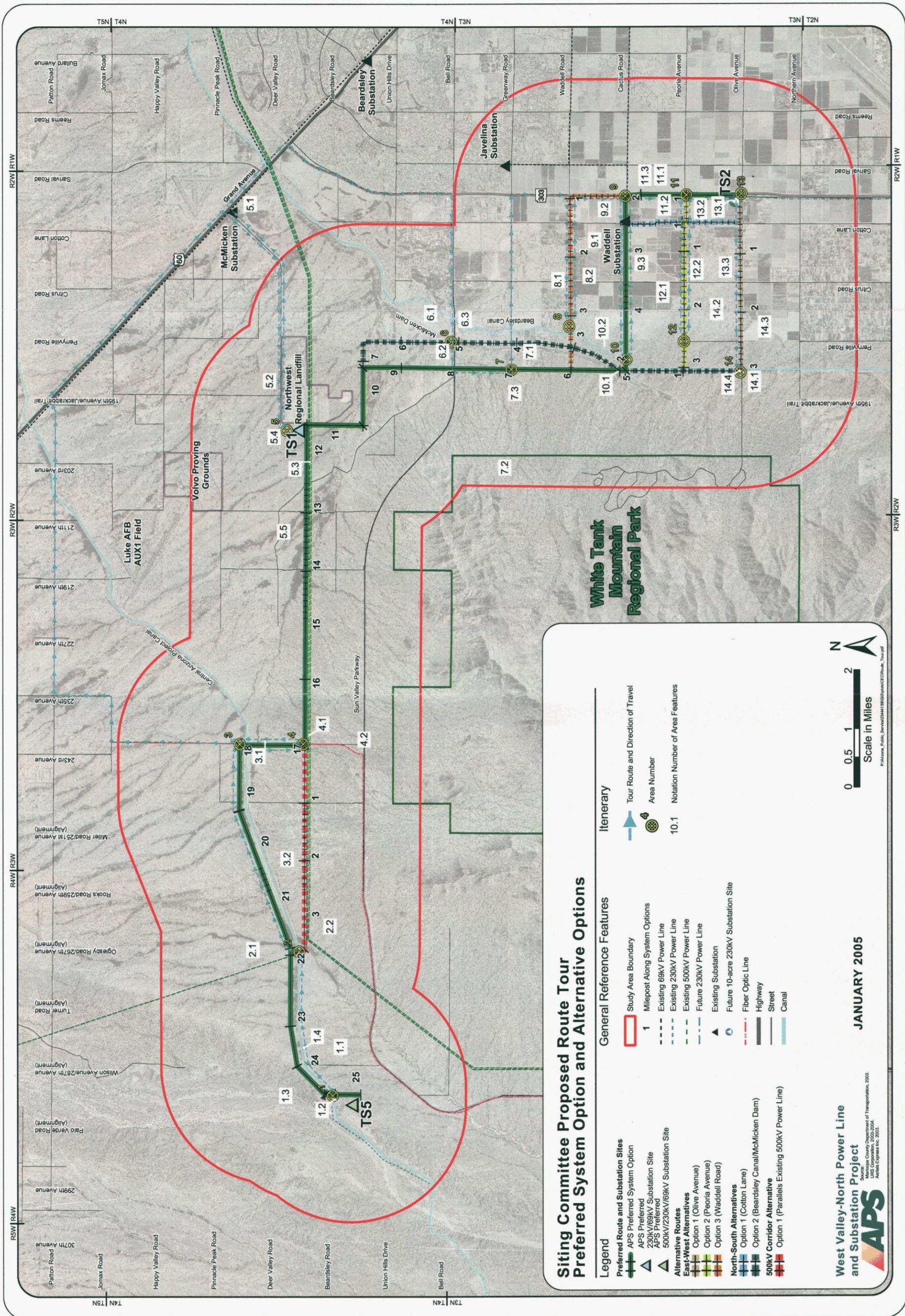
- 13.1 *Location of the proposed TS2 substation site*
- 13.2 *Future roadway design plans for (a) the Loop 303 southbound off-ramp proposed for the northwest corner of Olive Avenue and Loop 303, and (b) a super road (Northern Super Street) proposed southeast of that intersection, between Olive and Northern Avenues.*
- 13.3 *Potential future development of Cactus Lane Ranch (north side of Olive Avenue west of Loop 303 to Cotton Lane), and the approved developments of Zanjero Pass (east of Citrus Road for approximately 0.5 mile), Cortessa (Citrus Road to Perryville Road)*

AREA #14
OLIVE AVENUE ALTERNATIVE ALIGNMENT

Head west from Loop 303 and Olive Avenue (Area #13) for approximately 3 miles to the Beardsley Canal, arriving at Area #14.

Features to note near Area #14

- 14.1 *Existing residential development on the south side of Olive Avenue*
- 14.2 *Cortessa development underway with construction on the north side of Olive Avenue*
- 14.3 *Approved development of White Tank Foothills (south side from Citrus Road to Perryville Road) and the potential future development of Zanjero Trails (Perryville Road west to the Beardsley Canal on the north and south side of Olive Avenue)*
- 14.4 *Point of origin for the North-South Alternative Option 2 (McMicken Dam/Beardsley Canal)*



Siting Committee Proposed Route Tour Preferred System Option and Alternative Options

- Legend**
- Preferred Route and Substation Sites**
 - APS Preferred System Option
 - 230kV/69kV Substation Site
 - APS Preferred
 - 500kV/230kV/69kV Substation Site
 - Alternative Routes**
 - East-West Alternatives
 - Option 1 (Olive Avenue)
 - Option 2 (Peoria Avenue)
 - Option 3 (Waddell Road)
 - North-South Alternatives**
 - Option 1 (Cotton Lane)
 - Option 2 (Beardsley Canal/McMicken Dam)
 - 500kV Corridor Alternative**
 - Option 1 (Parallels Existing 500kV Power Line)
 - General Reference Features**
 - Study Area Boundary
 - Milepost Along System Options
 - Existing 69kV Power Line
 - Existing 230kV Power Line
 - Existing 500kV Power Line
 - Future 230kV Power Line
 - Existing Substation
 - Future 10-acre 230kV Substation Site
 - Fiber Optic Line
 - Highway
 - Street
 - Canal
 - Itinerary**
 - Tour Route and Direction of Travel
 - Area Number
 - 10.1 Notation Number of Area Features



JANUARY 2005

West Valley-North Power Line and Substation Project

APS

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 Arizona Electric Power and Light Company
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