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## WEST VALLEY-SOUTH



# PROJECT UPDATE

AUGUST, 2002

NUMBER 3

## WEST VALLEY-SOUTH



## Project Overview

APS initiated the West Valley-South project in November 2001 to site three 230 kilovolt (kV) substations, twelve 69kV substations, and a network of power lines to connect these substations. Since the project was initiated, APS has conducted environmental studies and extensive public outreach to identify sensitive areas and the appropriate locations for potential facilities. Public open houses conducted in May presented alternative power line routes and substation sites. These routes subsequently have been combined into system options - a set of routes that form the complete network of power lines between multiple substations. These system options will be available for public review and comment at the upcoming public meeting on August 21, 2002.

### Facts about the West Valley-South project

- Includes three 230 kV substations
  - Twelve 69 kV substations
  - The facilities will directly serve residents and businesses in Avondale, Buckeye, Glendale, Goodyear, Litchfield Park and Maricopa County
- Since the project started in November 2001, APS has:**
- Met with dozens of West Valley community leaders, elected officials and government representatives
  - Presented information to more than 72,000 people through newsletters, open houses and presentations
  - Received more than 600 public comments
  - Attended local homeowner association, city council and business meetings to brief interested people about the project

## Additional System Options for 69kV Facilities

APS has evaluated additional 69kV substation sites and power lines not shown in the maps presented here. The entire family of 69kV alternatives will be presented at the upcoming public open house. We encourage you to attend the meeting to provide input on all of the options presented.

An open house is scheduled for Wednesday, August 21 at Scott Libby Elementary School to further engage the public in discussion about the system options. After this round of public input, APS will rank the system options based on the environmental impacts, public input, construction considerations, engineering and system operating requirements, and the ability to acquire right-of-way. Subsequently, APS will announce its recommendations to the public. APS will then begin its regulatory approval process for the 230kV facilities, which involves submitting an application for a Certificate of Environmental Compatibility to the Arizona Corporation Commission's Power Plant and Transmission Line Siting Committee. APS expects to submit a formal application this fall.

## APS Receives Extensive Public Comment about West Valley Routes and Substation Sites

During the past few months, APS has received a wide range of comments on alternative locations for new electrical facilities in the West Valley. The community has commented on 230kV and 69kV alternative routes, as well as the potential sites for electrical substations.

In addition to the public input received to date, APS and its environmental consultants have been identifying and evaluating various system options based on several con-

siderations, including:

- Existing and planned land uses
- Scenic views
- Historic and archaeological sites
- Biological resources

Based on the environmental analyses and public input, APS developed nine system options that account for a majority of the 230kV and 69kV facilities. Four of these options have been identified as more acceptable because they provide a balance between the public input received and the environmental considerations by minimizing impacts. These

four system options are shown in this newsletter as Maps A, B, C and D; the maps are not presented in any order of preference. All nine system options will be available for review at the upcoming public open house.

Similarly, APS has evaluated the substation sites based on the potential environmental impacts and public comment. The substation sites that appear to provide the best balance between environmental factors and public input gathered to date are shown on the maps.

## APS Seeks Public Input Open House Scheduled

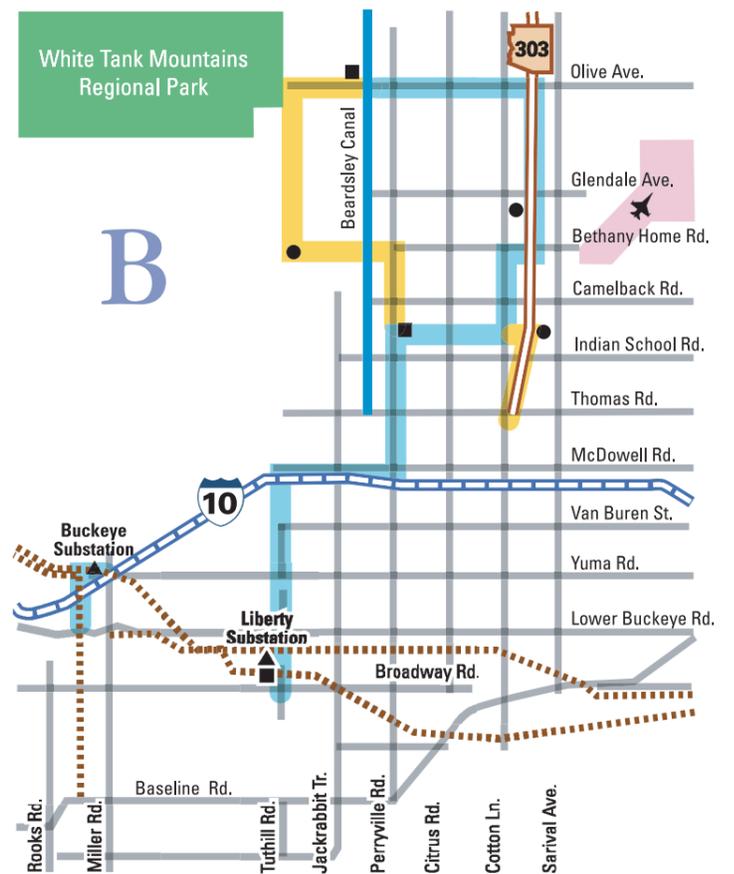
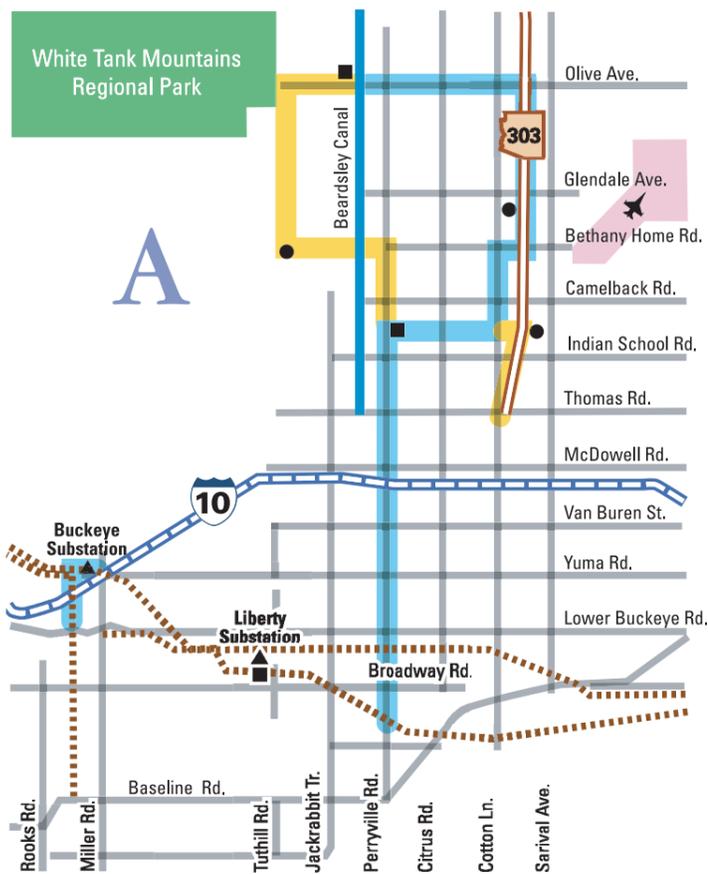
Please attend the next open house if you would like to provide input on the West Valley-South project. There is no formal presentation. You may attend anytime between 5:30 p.m. and 7:30 p.m. Come and see what's new, talk individually with project team members, give us your feedback and enjoy light refreshments.

## Wednesday, August 21

Any time between 5:30 p.m. and 7:30 p.m.  
Scott Libby Elementary School Activity Center  
18701 W. Thomas Road, Litchfield Park  
(Corner of Perryville and Thomas roads)

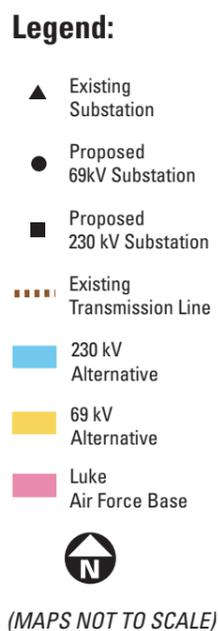
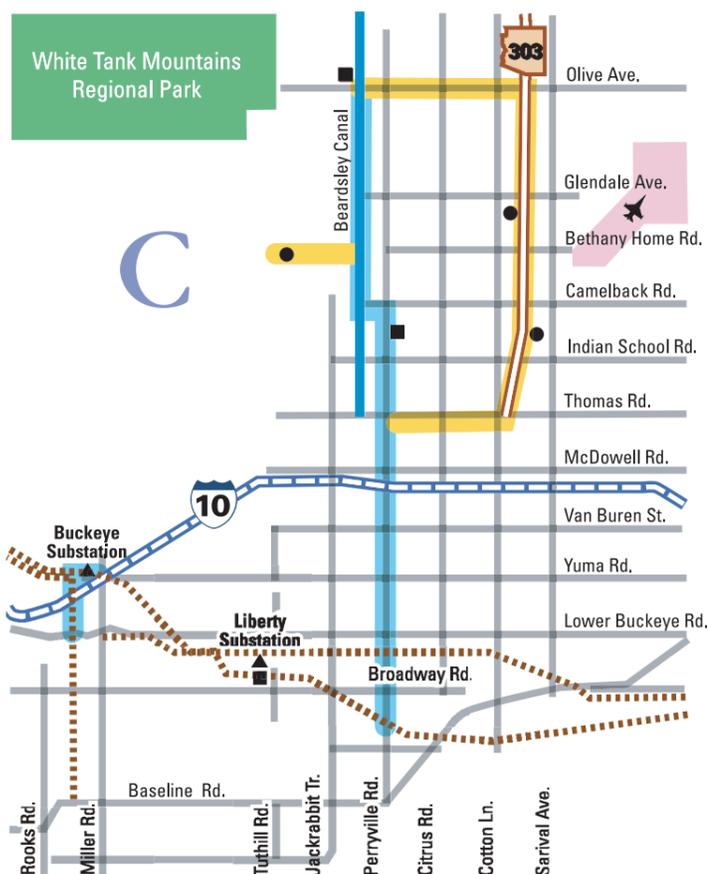
For more information or to comment on these routes or substation sites by street location, please call the project hotline: (623) 932-6636, or visit the APS Siting Web site at <http://siting.apsc.com>.

# Acceptable System Options Based on Environmental Compatibility and Public Input

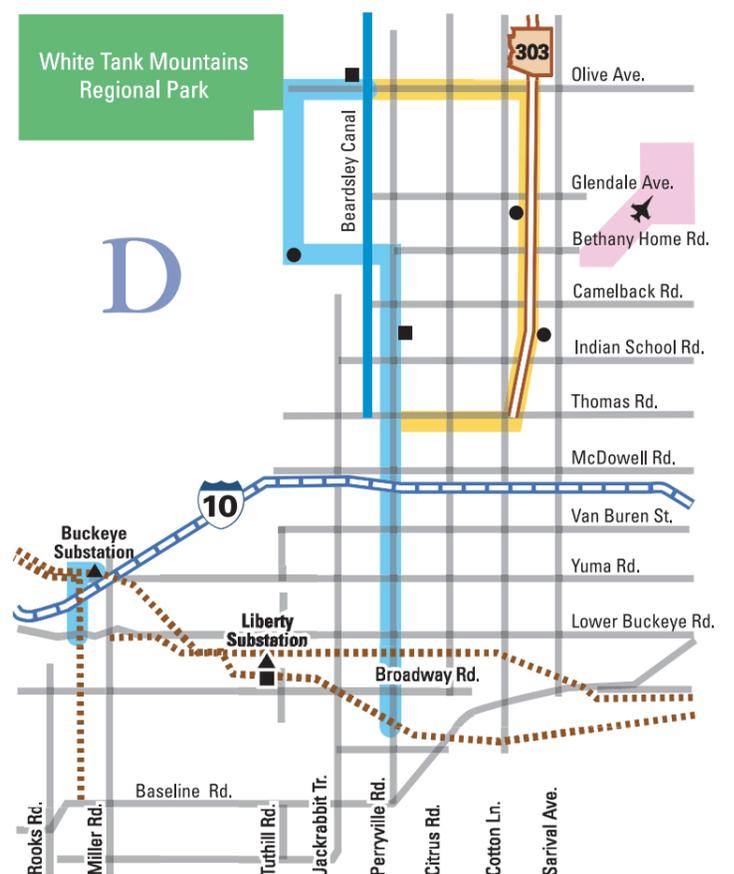


The 230 kV portion starts from a proposed new substation at Olive Avenue and the Beardsley Canal, moves east along Olive Avenue to the Loop 303 corridor, south of Camelback Road. It then heads west to Perryville Road, and generally continues south to tie into electrical facilities just south of Broadway Road near the existing Liberty Substation. The 69kV route in this area goes from the same new substation west to the Tuthill Road alignment, and heads south on this alignment to Bethany Home Road. It continues east on to Perryville Road, where it then joins the 230kV route.

It is similar to Map A with the exception of the southern half of the route. From the intersection of Perryville and McDowell roads, the route moves west, along the McDowell Road alignment to Tuthill Road and continues south to the existing Liberty Substation.



The 230kV portion starts from the proposed new substation at Olive Avenue and the Beardsley Canal, heads south along the Beardsley Canal to Camelback Road. It turns east and follows Camelback Road to Perryville Road where the line turns south. The line then follows Perryville Road south to connect with electrical facilities just south of Broadway Road east of the existing Liberty Substation. The 69kV line travels east on Olive Avenue to the Loop 303 corridor, south to the existing Pima Substation at Thomas Road, and west to connect with the 230kV option at Perryville Road.



The 230kV portion starts from the proposed new substation at Olive Avenue and the Beardsley Canal, heads west to the Tuthill Road alignment, south to Bethany Home Road, east to Perryville Road and then follows Perryville Road to tie into facilities just south of Broadway Road near the Liberty Substation. The 69kV line travels east on Olive Avenue to the Loop 303 corridor, south to the existing Pima Substation at Thomas Road, and west to connect with the 230kV option at Perryville Road.