



North Gila to TS-8 230kV Transmission Project

October 2007 • Issue 2

APS Selects Transmission Line Routes

APS has selected one preferred route along with three routing options and an alternative route for the new 230 kilovolt (kV) transmission power line between the existing North Gila Substation and a new transmission substation (TS-8) to be built in south central Yuma, Ariz. The new power line will provide additional power to the expanding distribution system in Yuma County and will support the cities of Yuma, Somerton and San Luis.

Project Description

The proposed North Gila to TS-8 230kV Transmission Project will include power lines approximately 15 miles in length and will be constructed on steel monopoles, typically 130 to 150 feet high. The project will originate at the existing North Gila Substation located near Avenue 8E and County 6th Street and will terminate at a new TS-8 Substation (see project map on page 3).

Preferred Route

The preferred route was selected after considerable environmental analysis, public outreach, technical studies and internal evaluations. The fast and widespread growth in the Yuma area made the selection process very challenging. While it is APS' goal to select facility locations and power line routes that lessen overall impacts to the environment and to surrounding communities, there will be some areas of high impact. The preferred route and its alternatives are shown on the map on page 3 of this newsletter.

The preferred route would meet APS' electrical system requirements while also meeting selection factors that APS considers, such as environmental compatibility, cost competitiveness with other studied routes and constructiveness of the line. APS also received and considered an extensive list of comments from area stakeholders and residents regarding the routing options for this project. These comments were integrated into the selection process.

Preferred Route Description

- The preferred route would begin at the North Gila Substation near County 6th Street and Avenue 8-1/2E and head east to approximately align with Avenue 9-1/2E.
- At Avenue 9-1/2E, the route would then head south to intersect with the existing Western Area Power Administration (Western) power line corridor.
- The route would follow the Western corridor south past Gila Substation and turn to follow the railroad to the southwest until it intersects Avenue 9E.

(Continued on inside)

In This Issue

- APS Selects Transmission Line Routes and Substation Location
- Project Description
- Route Information
- Project Schedule
- State Siting Process
- Upcoming Informational Open House

**Questions?
Call Phil Smithers
at 602-493-4202
or 1-866-472-4484**



For more information, please visit the project Web site at www.aps.com/siting

- At Avenue 9E, the route would head south to County 32nd Street, turn west along County 32nd until it meets the “A” Canal.
- The route will then follow the “A” Canal to the new Ash Highway alignment where it will run south to County 14th Street.
- The route will continue west on County 14th Street to intersect again with the “A” Canal where it will run along the “A” Canal to the southwest and west to the TS-8 Substation site just west of Avenue 4E along the County 14-1/2 alignment.

Options for the Preferred Route

Option A: Near the North Gila Substation, the route would head southwest from the substation and turn south at an alignment of Avenue 8E. Approximately ½ mile south the route would turn and head east to the preferred alignment.

Option B: South of Highway 95 on the alignment of Avenue 9-1/2E, the route would head west to Avenue 9E, turn and head south on Avenue 9E to 32nd Street.

Option C: South of the Gila Substation the route would follow the “A” Canal to 32nd Street where it would cross 32nd Street and continue on that alignment.

Alternative Alignment Descriptions

- The alternative route would begin at the North Gila Substation near County 6th Street and Avenue 8-1/2E and head west along County 6th Street to Avenue 7E where it will turn and head south to Highway 95.
- At Highway 95 it would turn west to Avenue 6E head south to County 10th Street and head east on County 10th to Araby Road.
- The route would then continue south on the Araby Road alignment to the “A” Canal.
- The route would head southwest along the “A” Canal to Ave. 6E where it will turn south to County 14th Street.
- The route will continue west on County 14th Street to intersect again with the “A” Canal where it will run along the “A” Canal to the southwest and west to the TS-8 Substation site just west of Avenue 4E along the County 14-1/2 alignment.

Substations

North Gila Substation: This project will interconnect with the existing North Gila Substation. Additional equipment must be added to the existing substation to accommodate this interconnection. An expansion of the substation may be required.

TS-8 Substation: The TS-8 Substation will be constructed as a 69kV substation in 2010 and will be expanded to a 230kV / 69kV substation for this project in the 2010 – 2012 timeframe. APS had originally planned to construct this substation near County 14-1/2 and Avenue 1E. Based upon comments received during this process and construction impacts, we are now planning on locating this substation at a new location near County 14-1/4, between avenues 3E and 4E.

Project Schedule*

- Complete public outreach, November 2007
- File Certificate of Environmental Compatibility (CEC) with the Arizona Power Plant and Transmission Line Siting Committee, January 2008
- Arizona Siting Committee hearings, March – May 2008
- ACC Decision, June 2008
- Right-of-Way acquisition, July 2008 – January 2010
- Construction, January 2010 – May 2012
- In-Service, June 2012

*This is a tentative project schedule which could change based on factors beyond the control of APS.

State Siting Process

In accordance with Arizona Revised Statute (ARS § 40-360), APS is required to obtain approval from the Arizona Corporation Commission (ACC) prior to constructing any new high voltage power line over 115kV. In compliance with those regulations, APS will prepare a Certificate of Environmental Compatibility (CEC) application for the project.

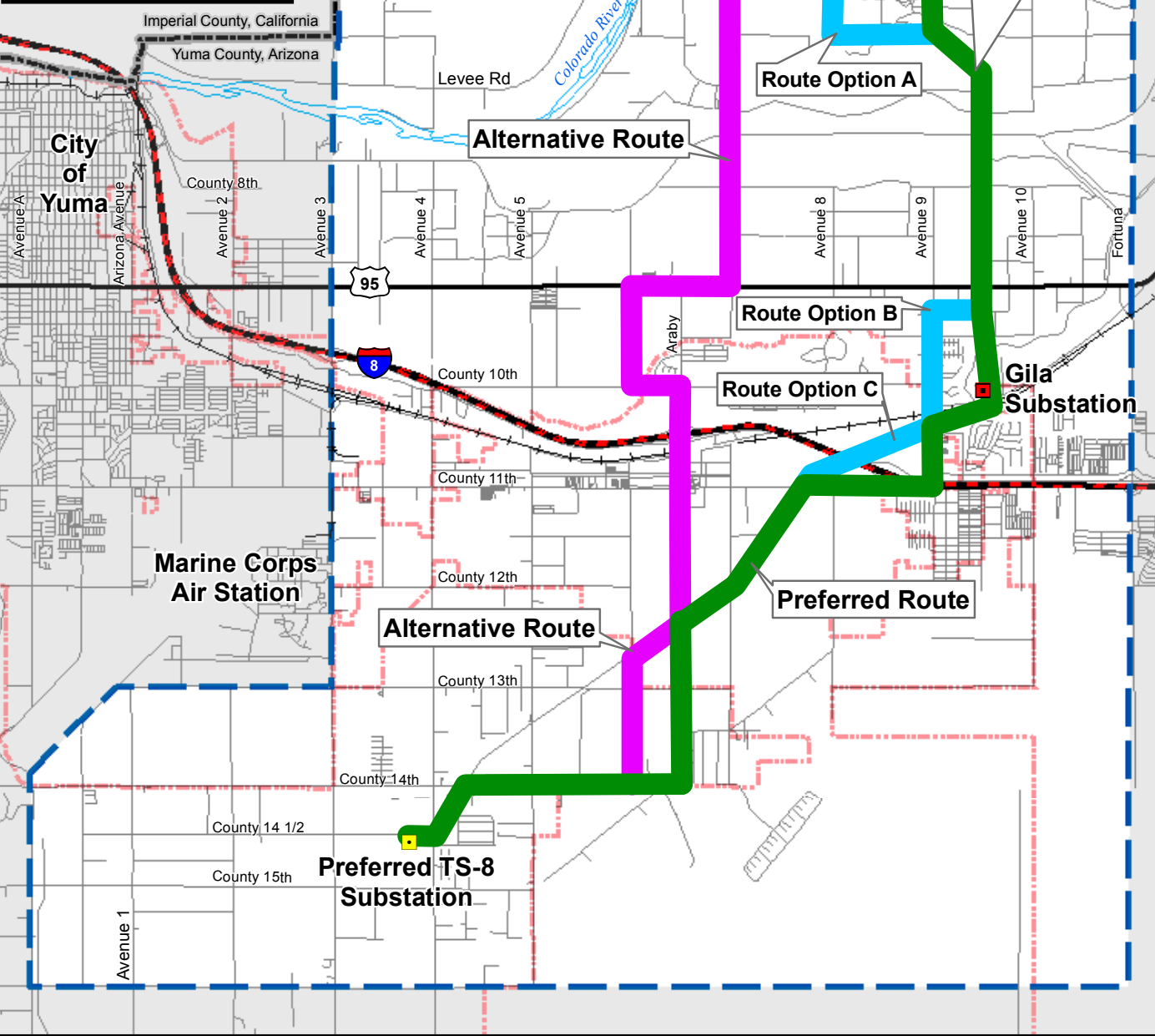
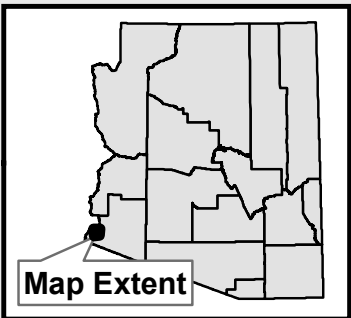
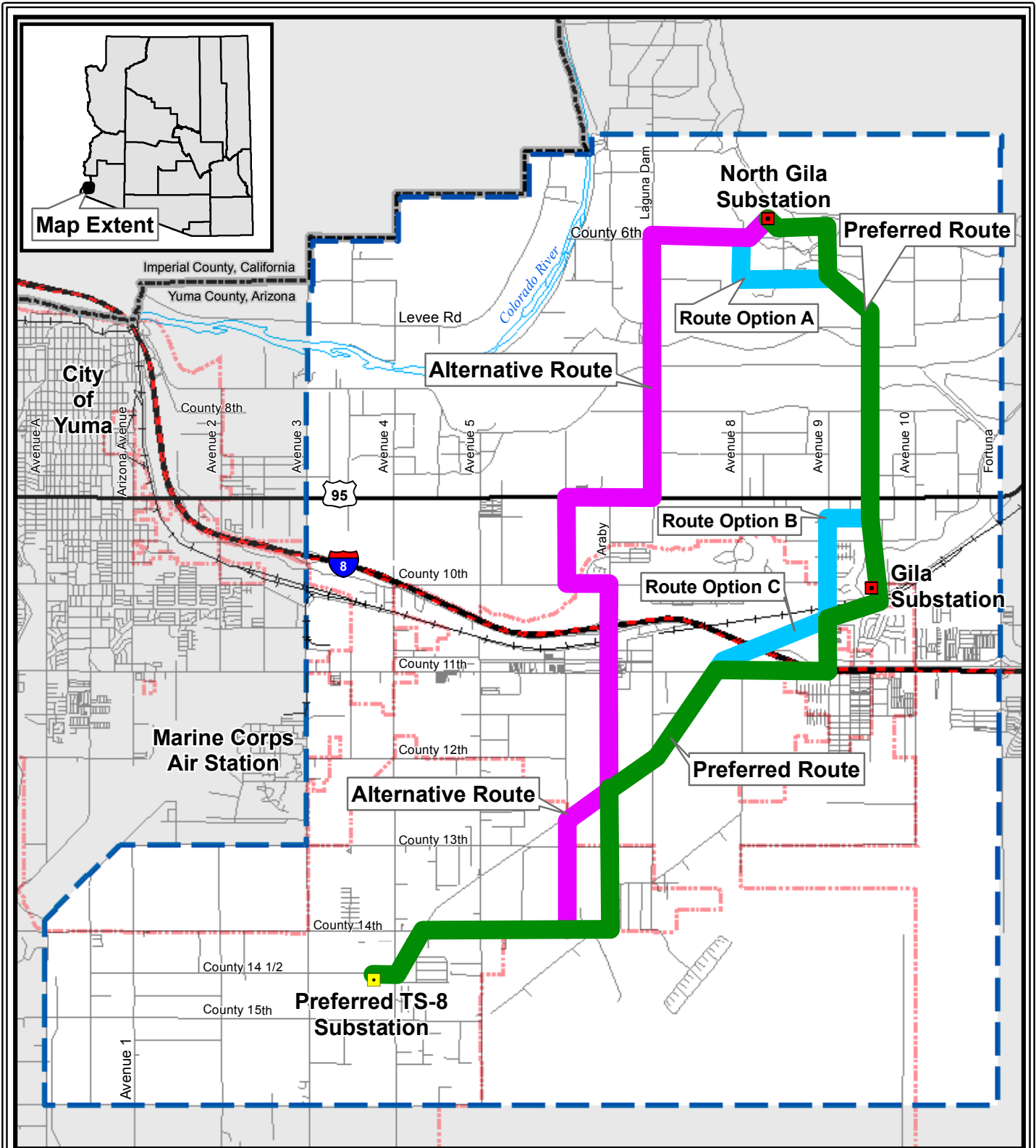
Once the siting process and public outreach has been completed, the application will be filed with the Arizona Power Plant and Transmission Line Siting Committee. This committee will review the application and hold public hearings on the project. The CEC application includes information on the proposed project’s purpose and need, description, cost, federal and state permitting efforts, associated environmental issues and public outreach efforts.

Once the committee has completed their public hearings, they will make a formal recommendation on the project to the ACC. The ACC makes the final determination on the approval of the project, including the determination of the preferred route for the transmission line.

Informational Open House

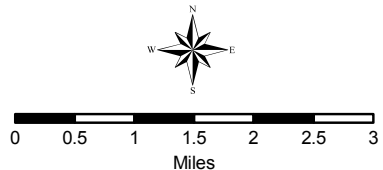
APS will hold a public open house on this project on Tuesday, Oct. 30, at the Booth Machinery Training Center, 6565 E. 30th Street, in Yuma. The public may attend any time between 5:30 and 7:30 p.m. to talk one-on-one with project team members and review detailed project information.

We look forward to the opportunity to discuss this project with you and hope to see you at the open house.



Legend

	Project Study Area		County/State Boundary
	Preferred Route		City of Yuma Municipal Boundary
	Alternative Route		Interstate Highway
	Route Option		US Highway
	Existing Substation		Arterial/Local Street
	Proposed Substation		Railroad





Mail Station 8508
P.O. Box 53999
Phoenix, AZ 85072

PRSRT STD
U.S. POSTAGE
PAID
PHOENIX, AZ
PERMIT NO. 90

**IMPORTANT INFORMATION FOR
PROPERTY OWNERS**

Please Attend the Upcoming North Gila to TS-8 230 kV Transmission Project

Public Information Open House

TUESDAY, OCTOBER 30, 2007

5:30–7:30 P.M.

Booth Machinery Training Center

6565 E. 30th St.

Yuma, Arizona

For more information please visit our Web site at www.aps.com/siting

