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IMPORTANT TRANSMISSION LINE INFORMATION

NORTH PEORIA



69kV Power Line Siting Project

Public Information Open House Meetings

5:30-7:30 p.m.
November 27th
Desert Oasis Elementary School
17161 W Bajada Rd
Surprise, AZ 85387

5:30-7:30 p.m.
November 28th
Vistancia Elementary School
30009 N Sunrise Point
Peoria, AZ 85383

5:30-7:30 p.m.
November 29th
Lake Pleasant Elementary School
31501 N Westland Rd
Peoria, AZ 85383

Please visit our project website at aps.com/siting

NORTH PEORIA



69kV Power Line Siting Project

NOVEMBER 2018

This is the second in a series of newsletters intended to inform you about Arizona Public Service Company's (APS's) effort to determine new substation locations and routes for new 69 kilovolt (kV) electric power lines in the northern region of Peoria.

APS continually monitors its electrical system and, when necessary, adds or upgrades facilities. These improvements enhance reliability and help ensure that an adequate supply of electric power is available to customers.

ADDITION OF NEW FACILITIES

To maintain reliable electric service and accommodate future load growth, APS has determined the need to build new substations and associated 69kV power lines in the North Peoria region, as shown within the study area on the attached map. These facilities would be generally located within or near the Vistancia North, Lake Pleasant Heights, and Saddleback Heights developments. A network of 69kV power lines would be constructed to bring power from existing substations and power lines along the east side of the study area to provide connections to the northwest side of the study area.

A total of four new substations and associated interconnecting 69kV power lines are included in this siting process, separated into two development phases. APS anticipates Phase 1 of the project, which includes a 69kV substation (Substation W03) and related 69kV lines, located near the Vistancia North and Lake Pleasant Heights developments (see Phase 1 on the included map), to be in service in 2021. The remaining three substations (W04, W05, and TS14) and interconnecting lines are part of this siting effort, but are not anticipated to be constructed for 5 to 10 (or more) years, based on current housing development projections provided by developers.

The new segments of the 69kV power lines would be built on steel poles, capable of a double circuit 69kV configuration (each circuit consists of 3 wires). The new 69kV power lines may be constructed in a new alignment or added in areas where lines already exist.

For more information, please visit the project website at aps.com/siting



Typical 69kV double-circuit poles

In most cases, if there are existing facilities, they would be rebuilt on the new poles to consolidate structures. It is anticipated that any new poles would be approximately 65 feet in height. The line segments would require a right-of-way or easement approximately 40 to 60 feet in width to construct, operate, and maintain the facilities. Each 69/12kV substation is expected to be built within a 3- to 5-acre site, with the exception of TS14, a 230/69kV substation, which will require approximately 15 to 20 acres.

SITING PROCESS

In early 2018, APS hired Environmental Planning Group (EPG) to assist in evaluating substation sites and route alternatives, to assess potential environmental impacts, and to support the public outreach process. Baseline information about existing and planned land use, visual, biological, and recreational resources for the area have been collected. This information, along with engineering and construction studies performed by APS, has been used to develop preliminary power line route and substation location alternatives within the study area as shown on the attached map.

When developing alternatives, APS evaluates many criteria, including: environmental impacts, engineering and construction feasibility, land acquisition timing and costs, regulatory approvals, potential impacts to existing and planned neighborhoods, and input from agencies and the public.

Initial briefings were held with various stakeholders, including local developers, and representatives and officials from state and federal agencies and the City of Peoria, to inform them of the proposed project, followed by our first newsletter mailing in April 2018 and two public open houses in May 2018. More than 500 people attended the open houses, where they were able to learn about the project need as well as how the siting process is carried out, and had the opportunity to provide their input on possible line route and substation locations. Since April, we have received approximately 300 comments concerning the project through the open houses, the project website, mail, email, and by telephone.

All comments, input, and data gathered to date has been analyzed and evaluated and the results have been used to identify potential substation locations and preliminary power line routes. These preliminary locations and routes were further evaluated using the siting criteria mentioned above, which led to the elimination of numerous preliminary locations and routes. Only one substation location at each site (W03, W04, W05, and TS14) and at least two interconnecting 69kV power line routes will be needed to connect each substation. "Phase 1" includes the construction of substation site W03 with one initial double circuit 69kV power line connection from the existing power line corridor to the east (see included map). Additional 69kV connections from W03 to either or both W04 and W05 sites will be necessary as future development occurs. Developers as well as city, state, and federal officials have been briefed on the status of the project, informed about the alternatives, and have provided their input.

YOUR INPUT IS IMPORTANT TO APS

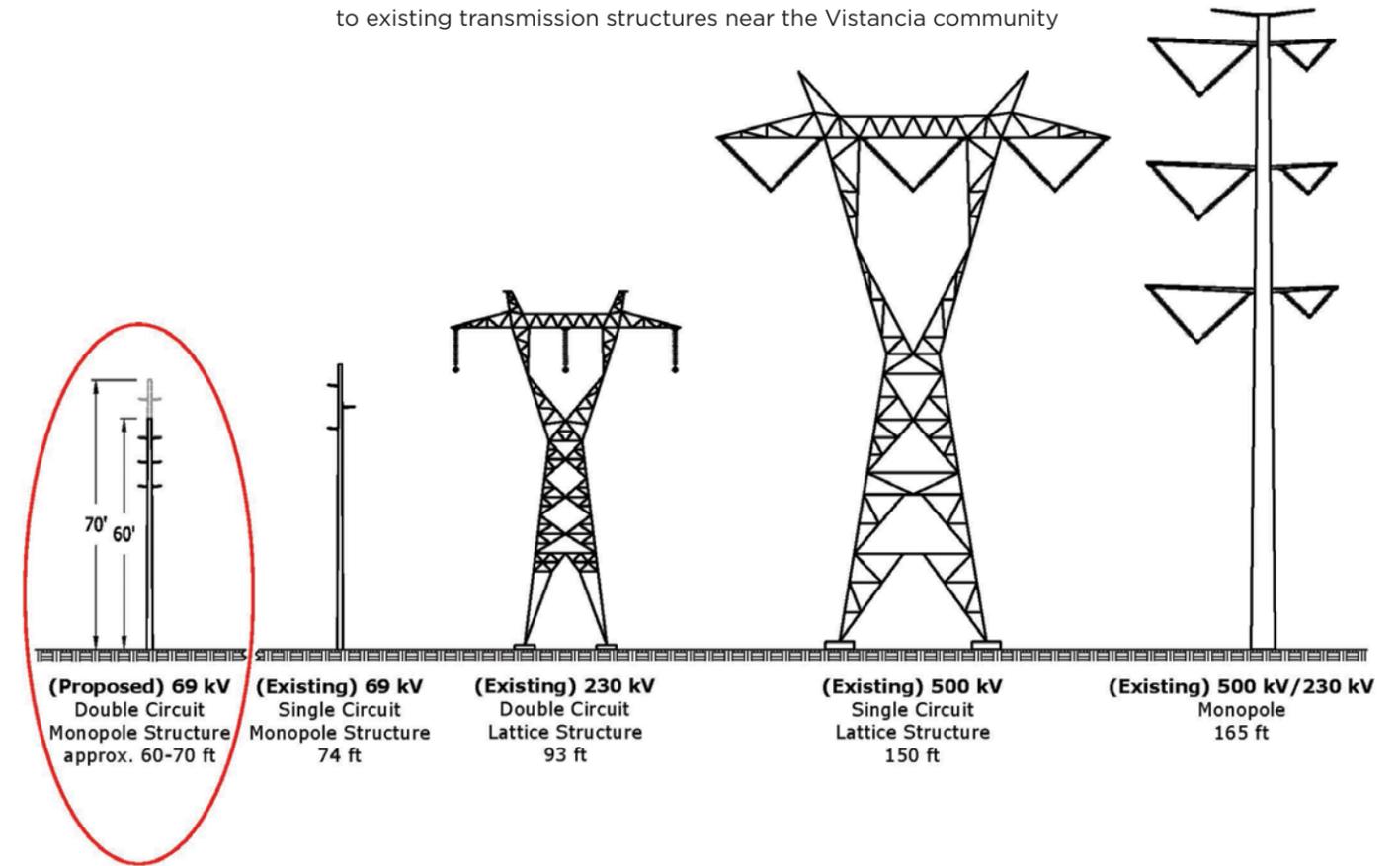
An important component of this siting process is to receive input from residents, tenants, property owners, businesses, and other stakeholders within the study area. The input and comments received at, and after, the first round of open houses has been used to help determine the alternatives that are being taken forward. A second round of open houses has been scheduled where members of the public and all interested parties are invited to join APS and talk one-on-one about the need and benefits of the project, and provide input on the proposed substation location and power line route alternatives.

We anticipate construction to begin for Phase 1 in 2020, and your comments and input regarding the alternative substation sites and 69kV routes will help us determine final locations (see included map). Although it is our intent to confirm specific sites and locations for Phase 2 facilities at this time, the need for these facilities are not expected for 5 to 10 (or more) years, and actual locations for Phase 2 facilities may be adjusted and/or require additional public outreach in the future, based on future final development plats approved by the City.

For this second round of open houses APS will be holding three open houses, all with the same information. The first open house will be held Tuesday November 27th, from 5:30-7:30 p.m. at the Desert Oasis Elementary School (17161 W Bajada Rd, Surprise, AZ 85387). The second open house will be held Wednesday November 28th, from 5:30-7:30 p.m. at the Vistancia Elementary School (30009 N Sunrise Point, Peoria, AZ 85383). The third open house will be held Thursday November 29th, from 5:30-7:30 p.m. at the Lake Pleasant Elementary School (31501 N Westland Rd, Peoria, AZ 85383).

No formal presentation will be given during the open houses, and you may attend any of the three dates and at any time during the two-hour window to view displays

Depiction of proposed typical 69kV double circuit monopole in comparison to existing transmission structures near the Vistancia community



and talk with team members about the project. Comment forms will be available and can be completed at the open house or mailed to APS by December 7th, 2018.

Following this second round of open houses, APS and EPG will review all additional public comments submitted. After consideration of the additional comments and a more detailed engineering evaluation, APS will select the final preferred substation locations and power line routes. A third and final newsletter will be prepared and distributed to the public and key stakeholders. This final newsletter will illustrate the selected power line routes and substation locations and the anticipated schedule for construction.

PROJECT UPDATES

Throughout the planning process, APS has maintained (and will continue to maintain) a webpage with the latest information including project updates, pictures, maps, project timeline, and frequently asked questions (FAQ). This can be found by navigating to aps.com/siting, then clicking on "find out more" under current projects. Comment forms can be completed and submitted through the website, or if preferred, comments can be sent to Stephen Eich, APS Siting Consultant, at NorthPeoriaSiting@apsc.com. Comments also may be provided by phone at (888) 352-4365.

2018

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
Initiate study and begin coordination with all stakeholders	Conduct land use inventory and Opportunity and Constraints Analysis and mail first newsletter to the public			Hold first round of open houses and review and document public input	Continue review and document public input, develop and review preliminary transmission line and substation alternatives, conduct further stakeholder meetings, finalize map and second newsletter information				

Current Status

NOV	DEC	JAN
Mail second newsletter to the public, hold second round of open houses, review and document public input on preliminary transmission lines and substation alternatives	Develop and review final transmission line routes and substation site alternatives, select final transmission line routes and substation site locations, notify residents and stakeholders via final newsletter	

North Peoria Facilities Siting Study

Phase 1 & 2 Route Alternatives

Alternatives

Phase 1

- North Route Alternative
- North Subroute Alternatives
- South Route Alternative
- South Subroute Alternatives
- Substation Site Alternatives

Only one Phase 1 Substation Site will be required.

Phase 2

- Phase 2 Route Alternatives
- Substation Siting Areas

All Phase 2 Substation Siting Areas will be required. All 69kV substations will require approximately 3-5 acres. The 230kV substation (TS14) will require approximately 15-20 acres.

Land Ownership

- Bureau of Land Management
- Bureau of Reclamation
- Arizona State Trust
- Maricopa County
- Private

Land Jurisdiction

- City of Peoria
- City of Surprise
- City of Phoenix
- Maricopa County

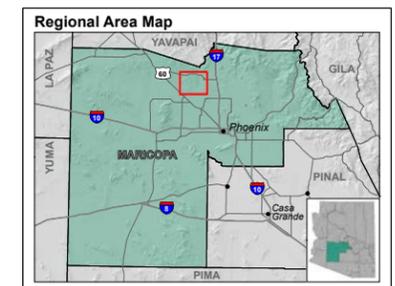
Transmission Facilities

- 500kV Substation
- 230kV Substation
- 69kV Substation
- 500kV Transmission Line
- 345kV Transmission Line
- 230kV Transmission Line
- 69kV Powerline

Note: APS is sole or joint owner of substation unless shown otherwise

Reference Features

- Study Area
- Canal
- Local Road
- Arterial Road
- Highway
- Contour (20 ft Interval)
- Township and Range



October 2018



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