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IMPORTANT TRANSMISSION LINE INFORMATION

NORTH PEORIA



69kV Power Line Siting Project

Please visit our project website at aps.com/siting

NORTH PEORIA



69kV Power Line Siting Project

FEBRUARY 2019

This is the third and final newsletter 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 will be built on steel poles, capable of a double 69kV circuit configuration (each circuit consists of 3 wires). It is anticipated that the 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, and the 230/69kV substation (TS14) will require approximately 15 to 20 acres.



Typical 69kV double-circuit pole

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 were collected and analyzed early in the process.

When the alternatives were developed, APS evaluated 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.

Briefings were held with various stakeholders throughout the process, 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 two rounds of newsletter mailings and public open houses. At each open house, the public was 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 routes and substation locations. We have received hundreds of comments concerning the

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project through the open houses, the project website, mail, email, and by telephone.

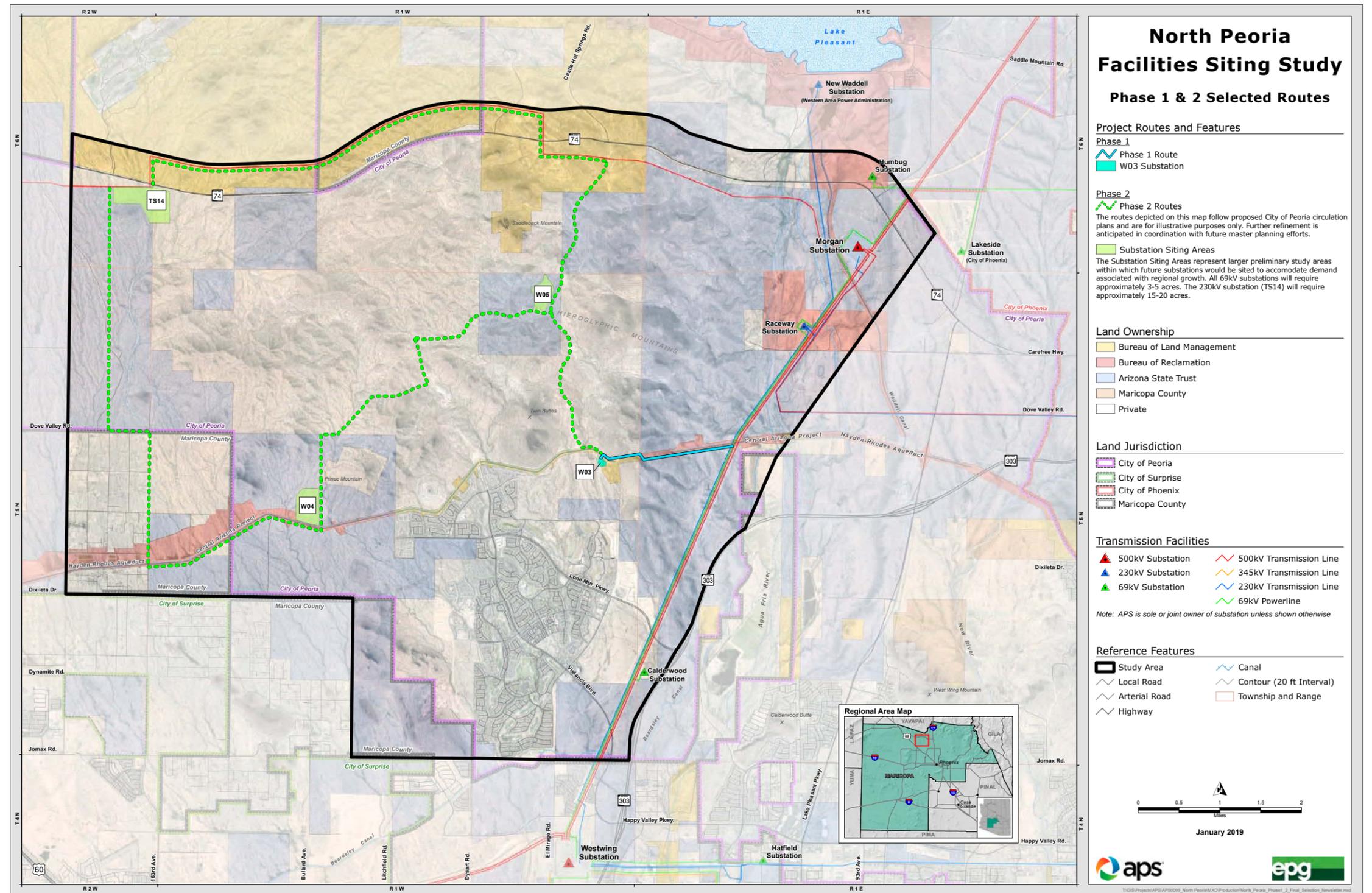
Using the siting criteria mentioned above, including the public input, potential power line routes were developed and evaluated. All comments, input, and data gathered to date has been logged and the results were used to identify the Selected Routes (see map). City officials have been briefed on the status of the project and informed about the Selected Routes.

FINAL SUBSTATION SITE AND LINE ROUTE FOR PHASE 1

APS has identified Substation Site No. 2 and the “North” route alignment, as presented at the November open houses, as final facility locations for Phase 1. The new power line will begin at the existing 69kV power line located on the west side of Highway 303, near the Central AZ Project (CAP) canal. The power line will proceed westerly, parallel the CAP canal right of way, and cross over the [CAP aqueduct] mountain to a point near the base of the mountain where it will then cross over the CAP canal to the south and into the new substation (see included map). Access roads will be necessary for construction and maintenance of these lines, and reasonable efforts will be made to mitigate visual impacts to the nearby residents. With the final route selected, APS will begin to acquire land rights, complete design, and obtain permits for construction of Phase 1. We anticipate construction of the substation and power line to begin early-to-mid 2020, and the project is planned to be complete and energized by mid-to-late 2021.

FINAL SUBSTATION SITE AND LINE ROUTE FOR PHASE 2

APS has identified the power line routes and substation sites shown for Phase 2, per the attached map. Most routes will parallel roadways of future developments, based on current land-use plats. Route option 4 (shown on previous maps) was proposed to run parallel with the CAP canal near the current and future Vistancia developments, but has been removed from the final routes. As a result, the line connection between substation sites W04 and W05 will be necessary, and largely follow future road alignments as shown on current city plans. Phase 2 of the Project has an identified need of 5-10 (or more) years out, depending on the timing of the future regional developments, but identifies conceptual Phase 2 alignments/locations now to allow for the integration of this information into pertinent agency or private development plans. This includes two 69kV substations (W04 and W05) and one 230kV substation (TS14). Although the final substation size will be much smaller than the Phase 2 Substation



Siting Areas, as currently identified on the map, these large areas (ranging in size from approximately 50 acres to 130 acres) allow for some flexibility in integrating a substation site into future development plans. APS recognizes that development plats sometimes change prior to their final recording, and any changes made would account for and accommodate these power lines and substations prior to the city approval and recording of said plats.

PROJECT UPDATES

APS would like to thank you for your interest in and participation in the project. Project updates can be found on the project website, which will continue to be maintained through construction. The project website

can be found by navigating to aps.com/siting, then clicking on “find out more” under current projects. Questions can be submitted directly to Stephen Eich, APS Siting Consultant, at NorthPeoriaSiting@apsc.com.