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## IMPORTANT TRANSMISSION LINE INFORMATION

NORTH PEORIA



# 69kV Power Line Siting Project

APRIL 2018

Arizona Public Service Company (APS) is developing a plan to build new energy facilities to better serve the growing population 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.

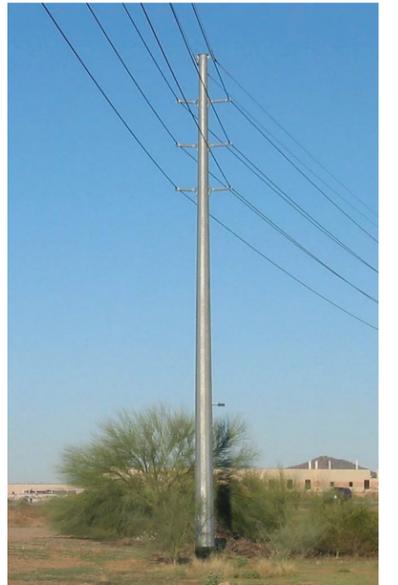
### ADDITION OF NEW FACILITIES

To maintain reliable electric service and accommodate future load growth, APS has determined the need to build new substations and associated 69 kilovolt (kV) 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 adjacent to the new 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 near the east side of the study area and provide possible connections for new sources of power near the northwest side of the study area.

A total of four new substations and the associated interconnecting 69kV power lines are included in this siting process. APS anticipates the first substation (Substation W03) and related 69kV lines to be in service in 2021, located near the Vistancia North and Lake Pleasant Heights developments (see Phase 1 - W03 Substation Siting Area on the included map). Although the remaining three substations (W04, W05 and TS14) and interconnecting lines are part of this siting effort, it is anticipated that these facilities would not need to be constructed for 5 to 10 (or more) years, based on current housing development projections.

The new segments of the 69kV power lines would be built on steel poles, with either a single 69kV circuit configuration or a double 69kV circuit configuration (three wires per circuit). The new 69kV power lines may be constructed in a new alignment or added in areas where

some lines already exist. 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.



Typical 69kV double-circuit pole

### SITING PROCESS

APS has 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 land use, visual, biological, cultural, and recreational resources for the area will be collected. This information will be used to develop preliminary power line route and substation location alternatives within the study area.

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. The work completed thus far has included initial data collection of existing and planned land uses.

APS and EPG have identified a project study area (see map) and have held initial briefings with developers as well as federal, state, and City of Peoria jurisdictional representatives. APS and EPG will continue to hold

NORTH PEORIA



# 69kV Power Line Siting Project

## Public Information Open House Meetings

5:30–7:30 p.m.  
Thursday, May 3rd  
Oasis Elementary School  
17161 W Bajada Rd  
Surprise, AZ 85387

5:30–7:30 p.m.  
Tuesday, May 8th  
Lake Pleasant Elementary School  
31501 N Westland Rd  
Peoria, AZ 85383

briefings with said developers and jurisdictions to solicit input from them as the project moves forward.

### 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. Members of the public and all interested parties are invited to join APS for an open house to learn more about the purpose and need for the project and the project siting process, and to provide input. As a convenience to the public APS will be holding two open houses. The first open house will be held Thursday, May 3rd, 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 Tuesday, May 8th, from 5:30–7:30 p.m. at the Lake Pleasant Elementary School (31501 N Westland Rd, Peoria, AZ 85383).

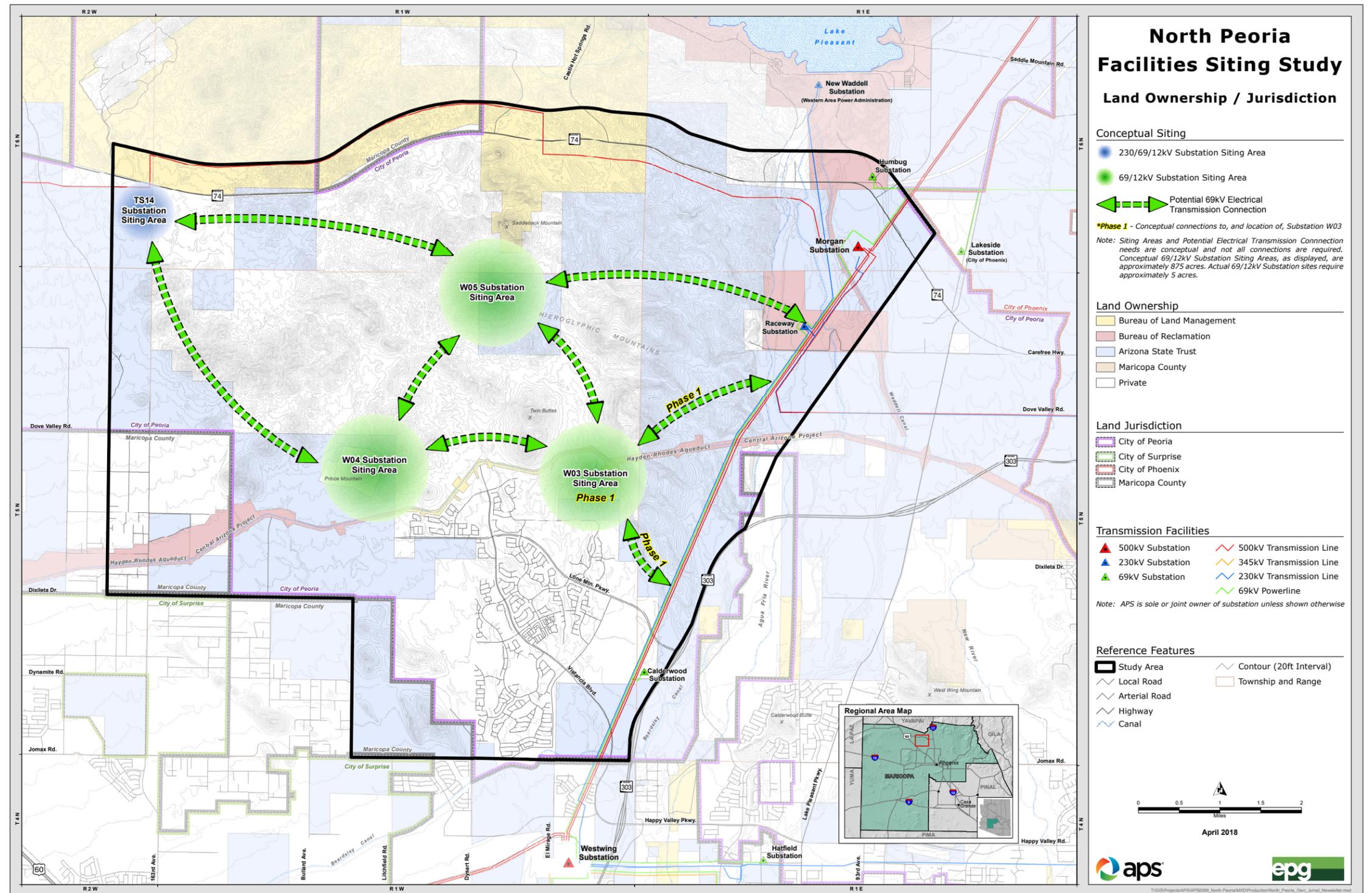
Following the public meeting, APS, with EPG’s assistance, will evaluate the input gathered and will analyze and further develop potential power line route and substation location alternatives.

After the data has been analyzed, APS will hold a second round of briefings to share and discuss possible power line route and substation location alternatives with local jurisdictional leaders and affected stakeholders seeking their input. A second newsletter will be distributed showing power line route and substation location alternatives and inviting the public to participate in a second round of public meetings.

Following the second round of meetings, APS and EPG will evaluate all the information received throughout the process. Based on these evaluations, APS will select the final preferred route. 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, a webpage will be maintained with the latest information. This can be found by navigating to [aps.com/siting](http://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](mailto:NorthPeoriaSiting@apsc.com). Comments also can be provided by phone at 1 (888) 352-4365.



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