

Fact Sheet – April 2019

Tucson Electric Power (TEP) is developing plans for a new transmission line to help satisfy growing energy needs, support Davis-Monthan Air Force Base efforts to meet energy resiliency requirements and improve electric reliability for customers in east Tucson.

TEP must determine a route for the Irvington-East Loop 138 kilovolt (kV) Transmission Line, which will connect the Irvington Substation to the East Loop Substation. The line also must interconnect with the planned Port Substation and the planned DM East Substation. TEP encourages residents, property owners and other stakeholders to share their input about potential routes and help inform the company as it refines project plans.

STUDY AREA and PROJECT BENEFITS

TEP considers the projected energy needs of nearby residential and commercial customers, anticipated economic development, proximity to existing equipment, project costs, geography and other factors in determining where to locate new electric infrastructure. Substations house equipment that changes the voltage of electric current for transmission and delivery of electric service to area customers.

TEP will evaluate potential routes within a defined study area that could be used to interconnect existing and planned substations that include:

- **Irvington Substation** (terminus point): TEP is upgrading and relocating this substation to expand capacity and accommodate new generating resources currently under construction at the company's Irvington Campus, located near South Alvernon and East Irvington roads.
- **Port Substation** (planned point of interconnection): TEP plans to build this substation on a 10-acre site near South Kolb and East Valencia roads at the Port of Tucson, an intermodal inland shipping and storage facility supporting the transportation of goods throughout the Southwest. The planned substation is designed to accommodate increased energy demands and economic growth in the area. An in-service date has not been determined.



TEP employees install upgrades at the East Loop substation.

- **DM East Substation** (planned point of interconnection): TEP plans to build this substation on a 16-acre site near South Kolb and East Escalante roads at Davis-Monthan. The new substation will help Davis-Monthan meet Department of Defense-mandated energy resiliency directives, replace aging infrastructure that has reached the end of its useful life and strengthen electric reliability for customers in the area. The substation is scheduled to be in service in fall 2021.
- **East Loop Substation** (terminus point): Located near East Speedway Boulevard and South Kolb Road, this existing substation feeds multiple circuits that deliver electric service to homes and businesses throughout the area.

Irvington-East Loop 138 kilovolt (kV) Transmission Line

The Irvington-East Loop line would cross privately- and government-owned land in the City of Tucson and portions of unincorporated Pima County. TEP would build the line with self-weathering steel monopoles between 75-110 feet tall. Taller structures may be required at major road or line crossings.

REQUIRED APPROVALS and TIMELINE

TEP must secure a Certificate of Environmental Compatibility (CEC) for the transmission line prior to construction. After TEP files a CEC application with the Arizona Corporation Commission (ACC) later this year, the Arizona Power Plant and Transmission Line Siting Committee will review the application in a public process that includes opportunities for neighbors and other stakeholders to provide comments. If a CEC is granted, the committee will send the certificate to the ACC for final review and approval.

The City of Tucson must approve a development plan and issue a special exception land use permit before construction can begin on the DM East Substation. TEP expects to file an application for the land use permit later this year. The City of Tucson also must approve a development plan for the Port Substation prior to construction. TEP has not yet determined when it will file an application.

The TEP Irvington-East Loop transmission line is expected to be in service by fall 2021.

PUBLIC PARTICIPATION

TEP will schedule public open house meetings where attendees can ask questions and learn more about the project. More information will be mailed to study area residents and property owners, and posted on tep.com. To help TEP determine where to route the line, please take a few moments to share

- Mailing a comment form or a letter to:
Tucson Electric Power
ATTN: Irvington-East Loop
PO Box 711
Tucson, AZ 85702
- Sending comments to IRV2EL@tep.com
- Additional methods for providing feedback will be added in the near future

PROPOSED STUDY AREA

