

TEP is developing plans for a new 138 kilovolt (kV) transmission line to link three substations to increase reliability for current and future customers. Routes and length of the line have not been determined.

PURPOSE and NEED

- Interconnect three substations (one existing, one planned and one under construction) to increase system flexibility and electric reliability for TEP customers within and near the project study area.
- Support the University of Arizona and University Medical Center Tucson – Banner.
- Expand system capacity to accommodate higher peak usage levels.
- Create a looped system that will allow the planned UA North Substation and Kino Substation (under construction) to be served from multiple sources.
- Help connect local electric grid to new and existing generating resources at TEP's Irvington Campus and next to the DeMoss-Petrie Substation.



BENEFITS

- Strengthen service reliability for customers.
- Help meet customers' growing energy needs.
- Expand and strengthen electric transmission system.
- Support potential future retirement of aging, lower-capacity substations.
- Support the University of Arizona's plan to provide 100 percent clean energy to its Tucson campus.

