**Tiny Town Road Virtual Information Session**

**Need for the Project Content**

**Reasons for Improvement**

* TVA plans its transmission system according to industrywide standards established by the North American Electric Reliability Corporation (NERC). These standards state that the TVA transmission system must be able to provide power during a single-failure event while continuing to serve customer loads with adequate voltage and no overloaded facilities, while maintaining adequate transmission line clearances as required by the National Electric Safety Code (NESC).
* CDE Lightband (formerly Clarksville Department of Electricity) currently serves its northwestern service area with the Edgoten 161-kilovolt (kV) Station in Kentucky and the West Creek 161-kV Station in Tennessee. Over half of CDE’s northwestern service area is either currently in or planned for development. The City of Clarksville Planning Department anticipates that this heavy residential and commercial growth will continue for at least the next 10 years.
* CDE Lightband’s existing facilities are approaching full capacity. The Edgoten and West Creek Stations have both experienced loading above their guaranteed capacities. This means that failure of a transformer at these stations could result in their inability to supply the entire power demand. This could potentially result in a power outage in the area. Development south of the West Creek Station further limits its ability to serve the growing load.

**Project Benefits**

* Adds additional voltage support in CDE Lightband’s northwestern service area.
* Resolves the power supply issues at the Edgoten and West Creek Stations.
* Provides CDE Lightband with additional operating flexibility.
* Supports load growth and economic development in CDE Lightband’s northwestern service area by adding necessary power capacity.