

## **Reliability Upgrade for Southern Colorado Glossary**

May 14, 2019

*This document is intended to help clarify technical terms, so community members have a better understanding of the upgrade need, benefits and route.*

**Transmission Line:** A transmission line is a specialized conductor designed to carry electrical signal over large distances with a minimum of losses.

**Single Circuit Transmission Line:** A transmission line that carries conductors for only one circuit. This system has three conductors, or overhead cables, as compared to a double circuit that has two groups of three cables.

**Substation:** A substation is an electrical facility where voltages are increased and decreased for transmission and distribution. In addition, substations have a variety of protective devices to protect the distribution networks.

**Energy Grid:** The energy grid is a multibillion-dollar array of power lines, transformers, generators, poles and substations that provides electricity when you need it, rain or shine, 24-hours a day.

**Right-of-Way:** A strip of land that energy companies use to construct, operate, maintain and repair transmission line facilities.

**PUC Process:** The Public Utilities Commission is charged with ensuring public utilities furnish and maintain adequate, efficient, safe and reasonably priced utility service and facilities, while allowing providers to make the changes necessary to ensure the quality and safety of that service. As such, the PUC oversees on the state level the siting and construction of electric transmission lines through an application and hearings.