

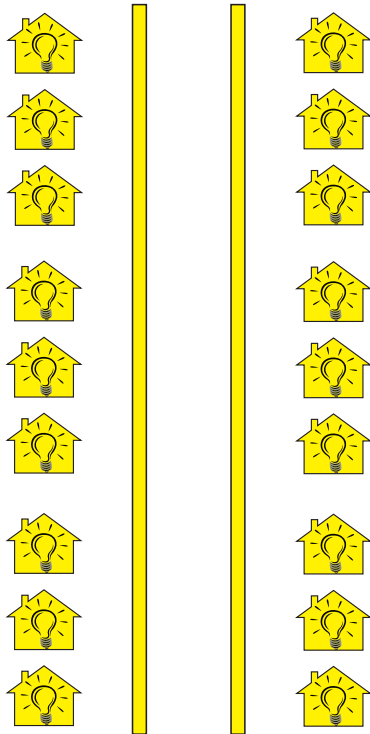
The Whitepath Electric Reliability Project

THE CHALLENGE

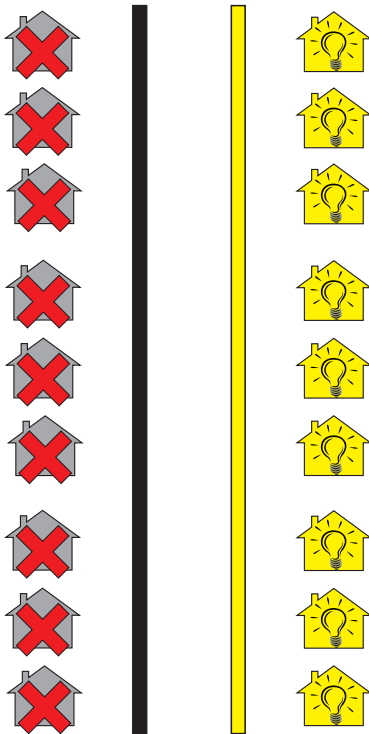
Intermittent power outages occur in the Boardtown Road area impacting homes, farms, chicken houses, and other businesses that depend on reliable electricity. One of the limiting factors creating this situation is the distance and terrain that the two circuits that serve the area must travel across, and the excessive voltage drop that distance can create especially during times of peak usage.

THE SOLUTION

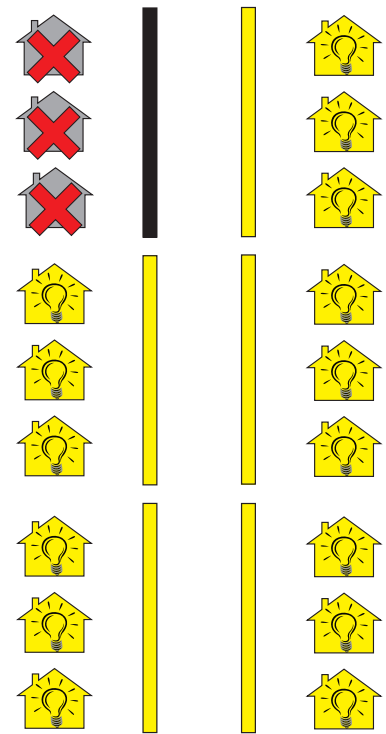
The Boardtown Road area is currently served from two circuits that parallel each other out of the Boardtown Substation.



When there is an outage on one of the two circuits, homes and farms all along Boardtown Road and the surrounding area are impacted by the outage.



The addition of the Whitepath Sub-Transmission Line and Substation will allow the two circuits to be divided into six circuits creating multiple paths for the electricity to be rerouted when outages occur.



The Whitepath project is just one component of a broader effort Amicalola EMC is taking to improve service to members in the Boardtown Road area. Remote controlled, automated smart-grid switches will be placed at junction points, two-way feeds, and along each circuit to allow fewer members to be affected by any single outage. This should also enhance restoration time as crews will be able to check fewer miles of line for problems when outages do occur.

These additional pathways increase reliability and also improve service voltage by reducing the number of member homes and businesses from 1,600 per circuit to 550 per circuit. Reducing the number of members per circuit will relieve the voltage drop issues currently impacting service reliability during peak usage. It will also mean the lights stay on for hundreds more people when problems arise instead of outages impacting the entire area.