

JUNIATA-BERNHEISEL 500 KV PROJECT



INTRODUCTION

PPL Electric Utilities plans to rebuild a 500 kV transmission line in the Carlisle area. The transmission line will be rebuilt from the Juniata substation in New Bloomfield to the new Bernheisel Substation located off Country Club Road, just north of Interstate 81 in Carlisle.

WHY IS THIS PROJECT NEEDED?

The transmission line improvements are needed to provide a new power supply to a data center in the Carlisle area.

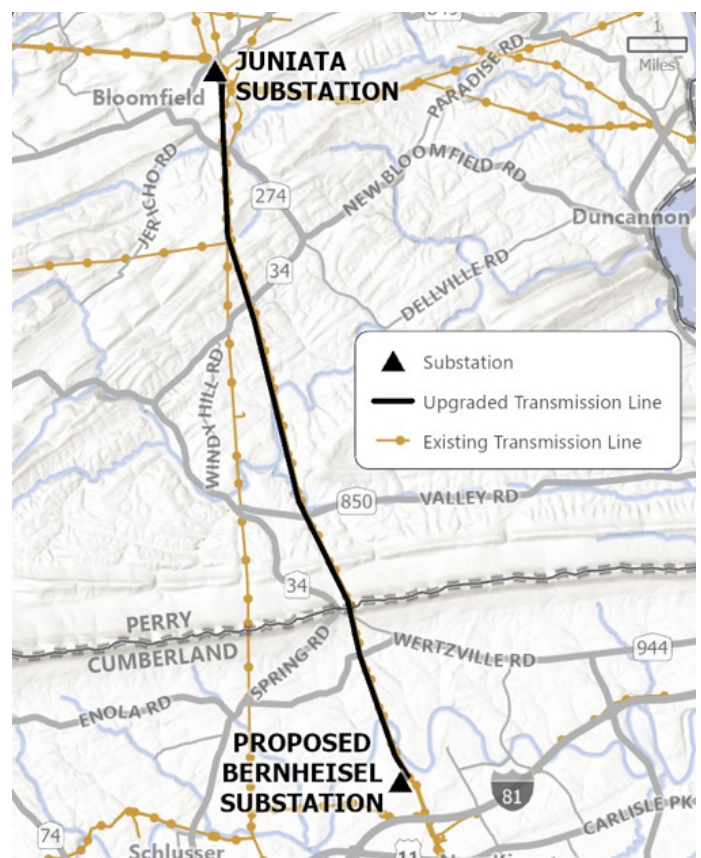
To meet the customer's need, PPL Electric will rebuild approximately 13 miles of transmission line, install a new substation and extend power to the customer's facility. A portion of an existing 69 kV transmission line will also be relocated to facilitate the reconstruction of the 500 kV transmission line.

WHAT WORK WILL OCCUR?

The alignment of the new transmission line will include a detailed siting analysis followed by negotiations with landowners for easements. The revised corridor will be approximately 425 feet wide.

WHAT WILL BE BUILT

Rebuilt transmission structures will be constructed of steel with a dark-brown protective coating designed to be stronger and more weather-resistant. Based on preliminary engineering, it is anticipated the 500 kV poles will range in height between 90 and 260 feet, with an average height of approximately 200 feet. The 69 kV poles will range in height between 50 and 120 feet, with an average height of approximately 85 feet. Actual pole heights will be determined during final engineering. Construction of the transmission lines is estimated to begin in the fall of 2026 and will be placed in service by summer 2028.



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For more information, scan the QR code to visit the project webpage.

