

Nesquehoning 69 kV Project

Introduction

A resilient transmission system helps us deliver safe, reliable, affordable and sustainable electricity across the region. That's why we've invested in focused upgrades and have continued to innovate and advance our electric grid through transmission projects that help to improve reliability, protect the grid from extreme weather, spur economic growth and enable renewable energy interconnections.

We're planning to build approximately 7.5 miles of new 69 kV transmission lines as well as a new substation in the Carbon County area to improve reliability, protect the grid from extreme weather and reduce the frequency and duration of outages. The proposed project will help create a stronger, more resilient electric grid. One that enables the delivery of safe, reliable, affordable and sustainable electricity across the region.

Frequently Asked Questions

PPL Electric Utilities Project Details

What are the specifics of this proposed project?

PPL Electric plans to build approximately 7.5 miles of new 69 kV transmission lines along with a new substation in Carbon County. The first of the transmission lines is approximately 6.2 miles and will run from the new Tresckow Substation, east of Tresckow Road in Banks Township, to an existing 69 kV transmission line near the existing Hauto Substation, north of Route 54 in Nesquehoning Borough.

The second portion is a tap line running about 1.3 miles. It will be constructed near the existing Hauto Substation to a new customer facility adjacent to Panther Creek Power Plant in Nesquehoning Borough.

The project will utilize a new 175-foot-wide right-of-way corridor to accommodate the new transmission lines.

Has PPL Electric considered alternative routes for this transmission line?

With every transmission project, we conduct studies and analyses to determine the best possible solution to meet the demand for electricity while having the least possible impact on the natural environment and surrounding communities. After a thorough evaluation, the proposed route was determined to be the most viable route that would cause the least

impact to the environment and community while still getting power to the customers who need it.

What does the construction process include?

Construction will include installation of environmental controls and access roads, clearing of trees in right-of-way areas and installation of new steel transmission structures. Construction will also involve creating temporary work pads and pull pads, which will be used to install the new conductors. All disturbed areas will be restored upon completion of the project.

What areas will the transmission lines run through?

The new transmission lines will be constructed in Nesquehoning Borough as well as Packer and Banks Townships in Carbon County.

The new Tresckow Substation will be built in Banks Township.

What will these new transmission poles look like?

The transmission structures will be constructed of steel with a dark-brown protective coating and are designed to be stronger and more weather-resistant. Based on preliminary engineering, these monopole structures will typically range in height from approximately 70 to 110 feet, with an average height of approximately 90 feet. Actual pole heights will be determined during final engineering.

Will this project require additional right-of-way?

Yes. The new transmission line will require the acquisition of a new 175-foot-wide right-of-way. PPL Electric will be engaging with landowners to purchase the necessary easements across each of the affected properties following the public open house on October 2, 2025.

Will my power need to be turned off for this work?

No. The project will not require outages on our distribution system, which provides electricity to residents and local businesses.

Will this project need to be approved by the Pennsylvania PUC?

No. The siting of this transmission line will not require Pennsylvania PUC review and approval.

When will this project be built?

We anticipate the entire construction process for the planned transmission lines and substation will take about 10 months. With a proposed start date of spring 2027, we anticipate the project will be in-service by winter 2027.

Working with Property Owners

Will this project affect my property value?

We have no evidence that there is a long-term effect on property values from a project like this.

How is the value of an easement determined?

We determine the value of an easement by obtaining a fair market value analysis from a certified third-party appraiser, and then we negotiate with the property owner to reach a mutually agreeable payment.

Is there any compensation for those property owners near the line from whom PPL Electric doesn't need to purchase right-of-way?

No.

Is it possible PPL Electric will use eminent domain?

Our first choice is to always negotiate and reach an amicable settlement with affected customers. If we have not reached an agreement with a property owner from whom we need to acquire right-of-way, we will file an application with the Pennsylvania Public Utility Commission seeking authorization to use eminent domain. In the eminent domain process, PPL Electric pays the estimated just compensation as determined by the certified appraiser's fair market value analysis report.

How is PPL Electric communicating with area residents and other stakeholders?

As always, we're committed to keeping landowners and communities informed throughout each step of the project. We will host an informational open house on Thursday, October 2, 2025, at the Nesquehoning Recreation Center located at 335 West Railroad Street, Nesquehoning, PA 18240. A project team will be on hand to provide information about the project and answer any questions you may have. There is no set agenda for the open house and no formal presentations, so feel free to visit at your convenience any time between 6 and 8 p.m. We've also established a dedicated email address,

NesquehoningProject@pplweb.com, for customers and stakeholder to reach out with questions and comments.

Other Questions

What value does the transmission system provide to customers and the community?



What is a transmission line?

Transmission lines carry electricity at high voltages across long distances to efficiently connect power plants with areas where customers need the power. Transmission lines are similar to interstate highways in the interconnected electric system.

What is a substation?

A substation houses electrical infrastructure — including circuit breakers, protective devices and transformers — required to safely control and transform the flow and level of high voltage power across transmission lines.

Does EMF have any effect on health?

“EMF” is an abbreviation for “electric and magnetic fields” and “electromagnetic fields.”

Current scientific evidence does not confirm the existence of any health consequences from exposure to low level electromagnetic fields. Power lines, appliances and home wiring

all produce electric and magnetic fields. More information, including links to studies by outside agencies, can be seen on our website at ppl electric.com/emf.

Could this line be built underground?

The vast majority of PPL Electric's transmission system is above ground. We consider a host of factors in siting transmission lines, including costs and potential impacts to the community and the environment, which are paid for by customers. Building a transmission line underground can be up to 10 times more expensive than overhead construction. There are several reasons for this:

- It takes multiple underground lines to equal the capacity of a single overhead line.
- Underground lines require more earth disturbance for trenching.
- If damaged, underground lines can take substantially longer to repair, a delay that could seriously affect reliable electric service.
- If the underground line is placed within a roadway, there are often other underground utilities that must be avoided.

Underground lines are not invisible — they require a surface right-of-way stripped of all vegetation and trees and manholes for access. Because of these issues, underground transmission construction typically only makes sense in areas where there is no viable above-ground route.

Some transmission lines make an audible “buzz.” Will that be the case with this line?

The buzz that you may hear from a transmission line is caused by small electric discharges on the surface of the wires known as “corona.” This harmless phenomenon is most noticeable on humid days when water droplets form on the transmission lines. PPL Electric will make every effort to minimize any increases in audible noise during the engineering phase of the project.

Open Space and Environmental

Will this project have any adverse impact on the environment?

We will work very hard to minimize any impact on the natural environment. Our track record shows that we work cooperatively with regulatory agencies, obtain all required permits and meet all environmental requirements and regulations under the terms of our permits.

Will PPL Electric Utilities need to cut down trees to build this project?

Yes. Tree removal will be required within the newly acquired 175-foot-wide right-of-way corridor.

Why does PPL Electric Utilities use herbicides to maintain its right-of-way?

Herbicide use is an effective vegetation management technique that minimizes the physical impact on a power line right-of-way while enabling us to maintain safe and reliable electric service.

All herbicides are applied selectively by Pennsylvania Department of Agriculture certified contractors working on the ground with hand-held equipment or with all-terrain vehicles.

Compatible species are preserved as much as possible as they provide natural competition for tall-growing species of trees. This low-growing plant community also provides ideal habitat for wildlife that feeds on saplings of many of the tall-growing species. The combined effects of plant competition and wildlife activity help minimize the herbicides needed to ensure safe and reliable electric lines.

What effect will herbicide application have on wildlife and the environment?

We will apply only products that have been approved for use on utility right-of-way by the U.S. Environmental Protection Agency. These products have undergone significant testing to ensure that, when used according to labeled instructions, they pose no threat to you, wildlife or the environment. In fact, some of the materials we use are the same as those commonly used by homeowners. There are significant, well-documented benefits resulting from the selective herbicide application techniques we use. Ideal wildlife habitat is created within these right-of-way corridors.

Other Resources

- Email comments and questions to NesquehoningProject@pplweb.com
- [Nesquehoning Project Webpage](#)