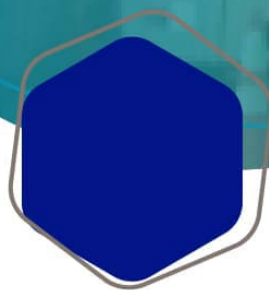


WELCOME TO OUR OPEN HOUSE!

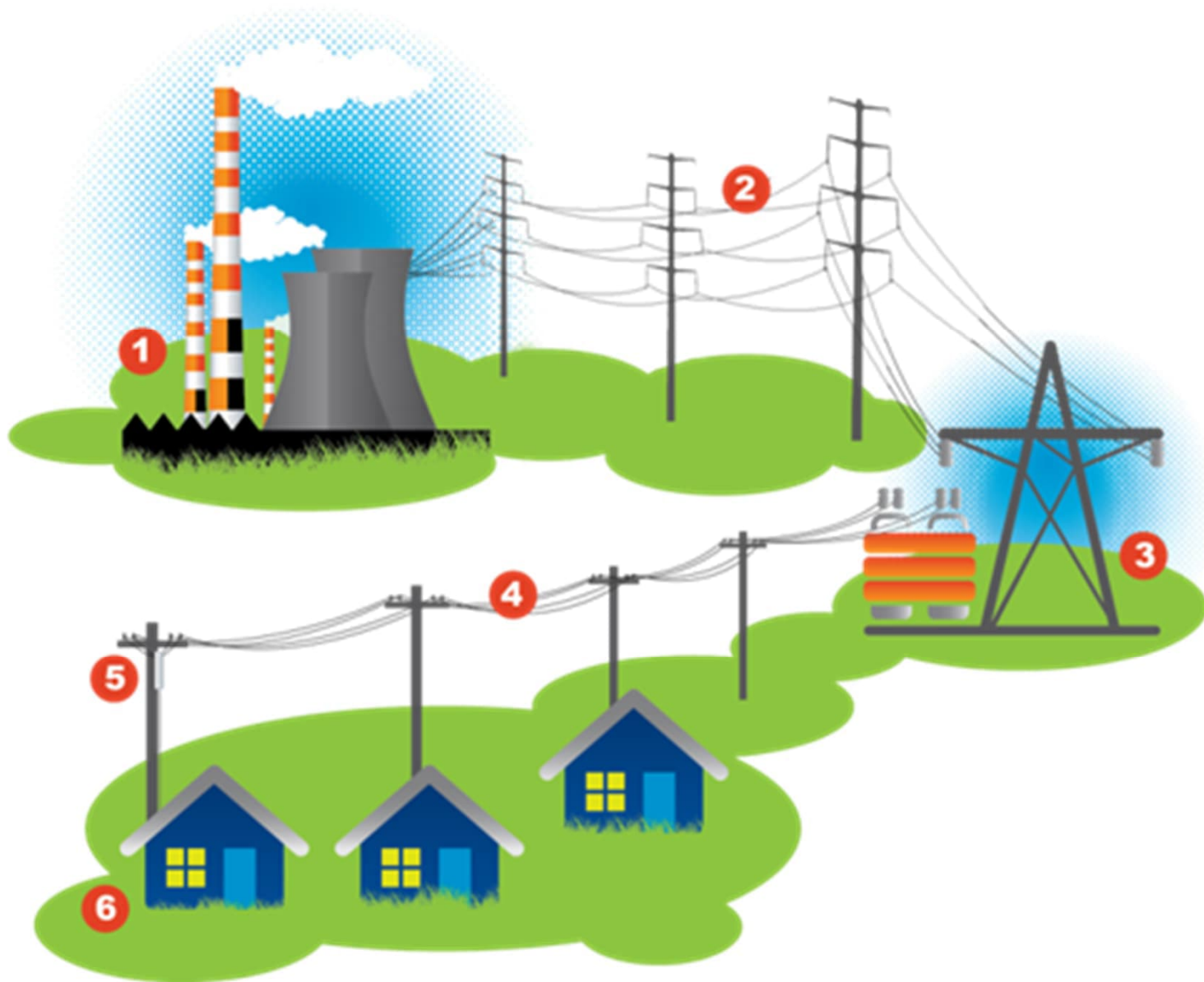


We're bringing you detailed information about an important electric transmission project in Luzerne County.



Transmission: How it Works

Just like a highway system, transmission is responsible for moving electricity quickly and safely over long distances.



Here's how it works:

1. Electricity is generated at a power plant.
2. Then, it's transported over high-voltage transmission lines.
3. Voltage is reduced by transformers at a substation.
4. Distribution lines transport lower-voltage electricity.
5. Overhead transformers further reduce voltage.
6. And finally, electricity is delivered to homes and businesses.

Project Need

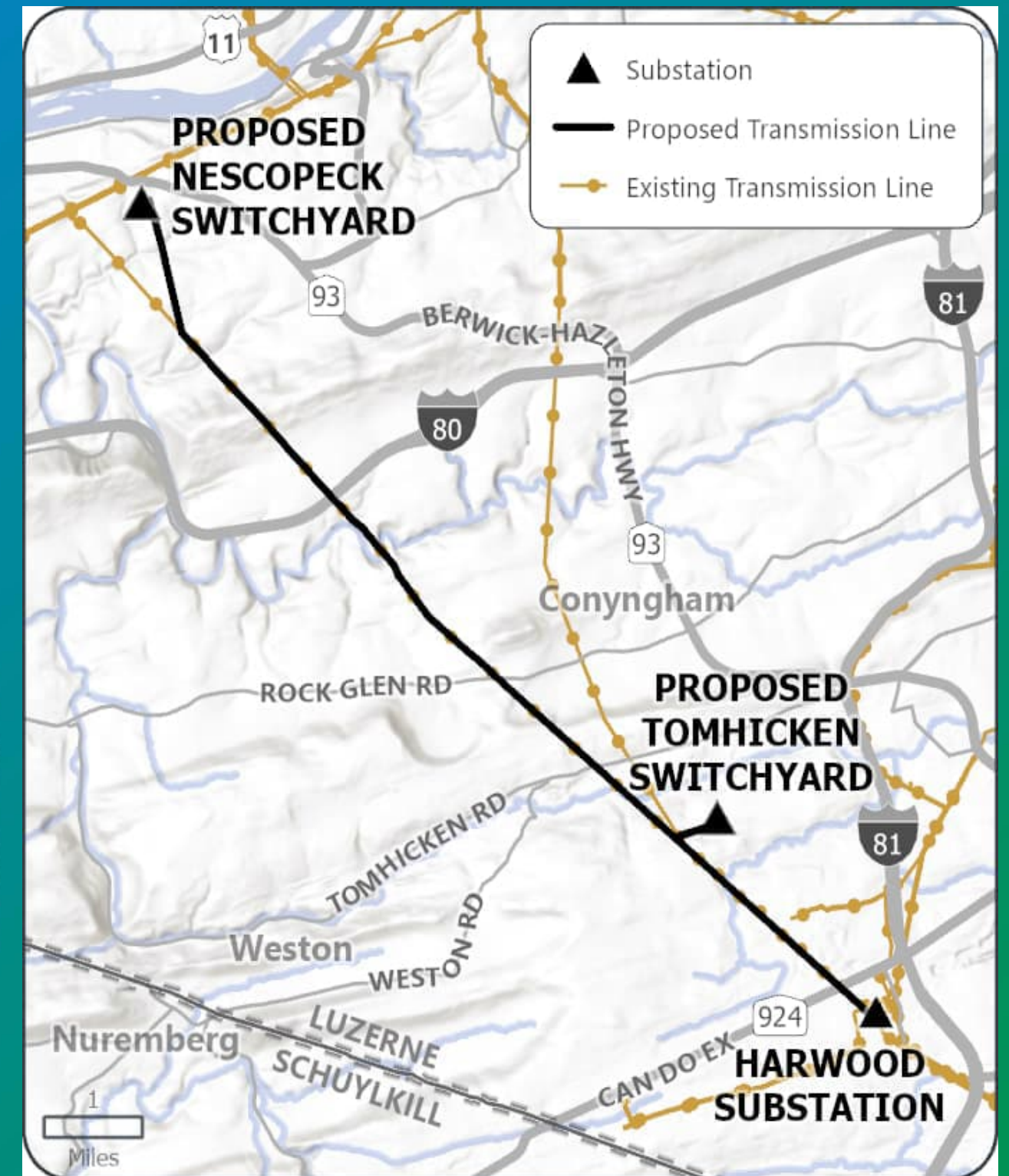
- Multiple new customers have requested electric service to power their proposed site.
- To provide reliable power to multiple new customers, PPL Electric will construct a new double circuit 500 kV transmission line from the new PPL Electric Nescopeck switchyard and extend it to the new PPL Electric Tomhicken switchyard and existing PPL Harwood substation.
- The proposed project will allow PPL Electric to meet the growing demand for power in the region while enhancing reliability and resilience for all customers in this region.

Project Overview

We're building a new 500 kV transmission line from the new Nescopeck switchyard to the new Tomhicken switchyard and the existing Harwood substation.

The project will utilize an existing ROW corridor that is being expanded to accommodate the new line.

The proposed transmission line will be designed and built for 500 kV operation but will initially operate at 230 kV until increasing load growth in the area necessitates its operation at 500 kV.





Siting Process

- Conduct detailed evaluation of project areas (environmentally sensitive areas, populated areas, waterways, wetlands, etc.)
- Perform alternative route analysis.
- Select the preferred route for the location of the new switchyard and the 500 kV transmission line to minimize impacts to the built and natural environments.
- Submit Siting Application to the Pennsylvania Public Utility Commission (PUC) for the new transmission line for the Commission's review and approval.



Route Selection

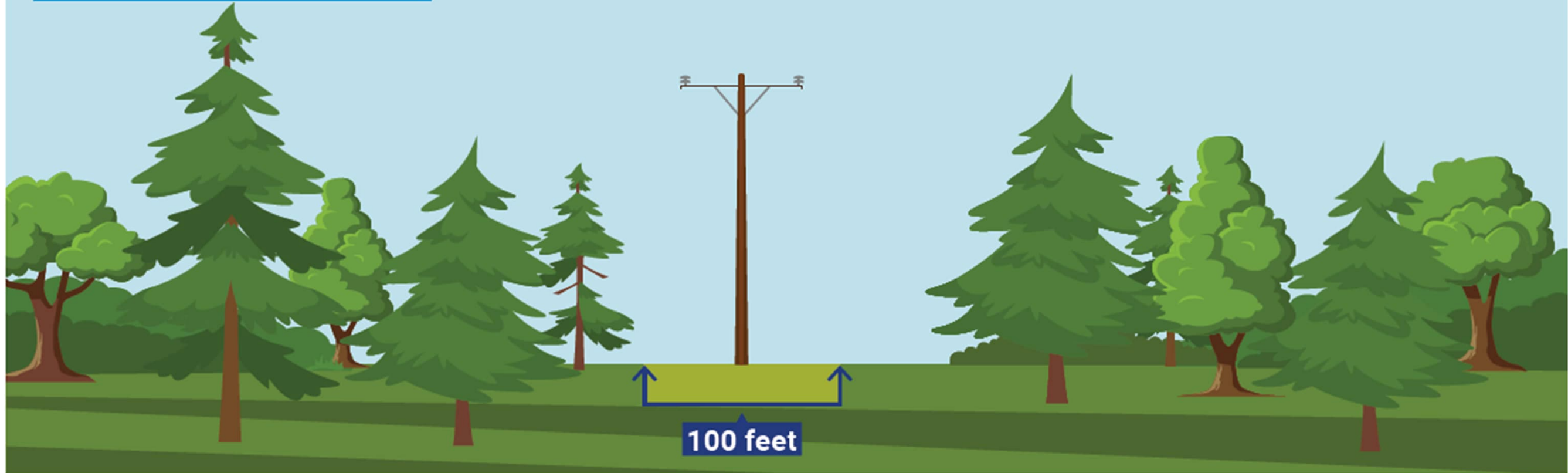
- The route was selected based on a comprehensive evaluation of the project need and the study area.
- Constructing the new 500 kV transmission line within an existing transmission corridor has the least cumulative impact to the built and natural environments.
- Any alternative location for the line would be through undeveloped areas and would have substantially more cumulative impact than the selected route which utilizes a corridor that previously contained a transmission line.

Right of Way

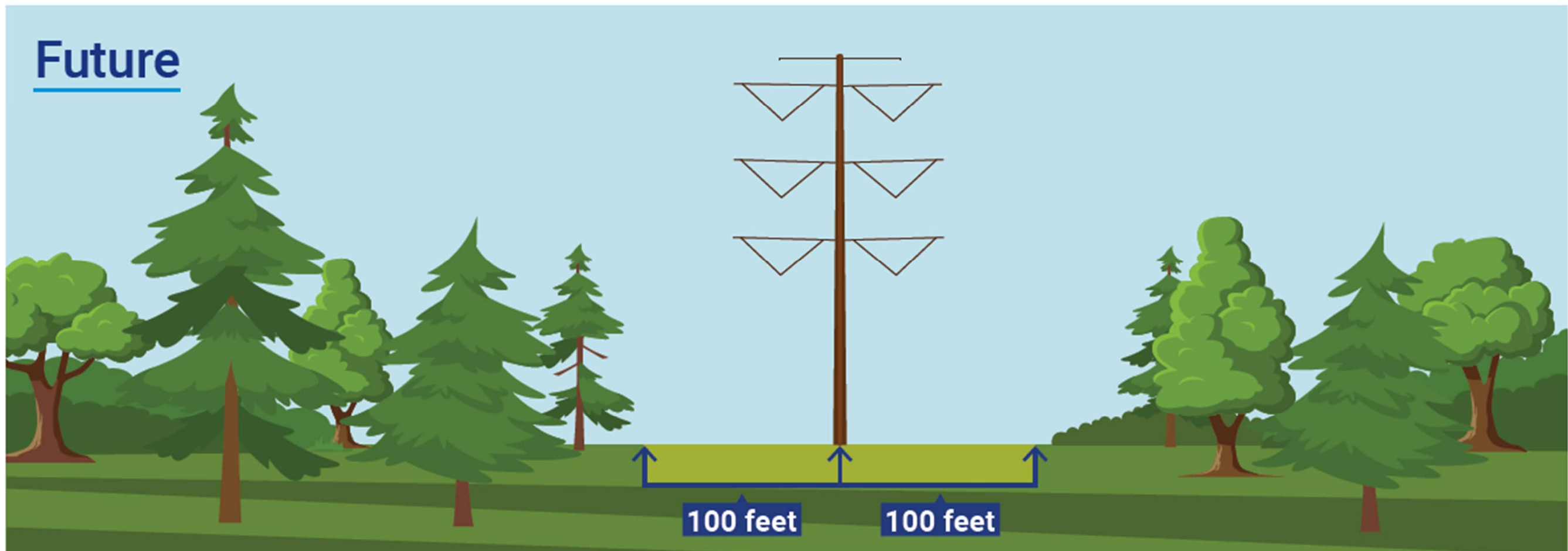
- Easements give PPL Electric the right to access, construct, maintain and rebuild transmission lines while the landowner retains ownership of the property.
- To accommodate the 500 kV transmission line, PPL Electric will use an existing 100-foot-wide right-of-way corridor that is being expanded to 200-feet.
- PPL Electric is working with property owners to purchase these rights.
- We will negotiate in good faith and compensate at fair market value when acquiring these rights.

Sugarloaf Project

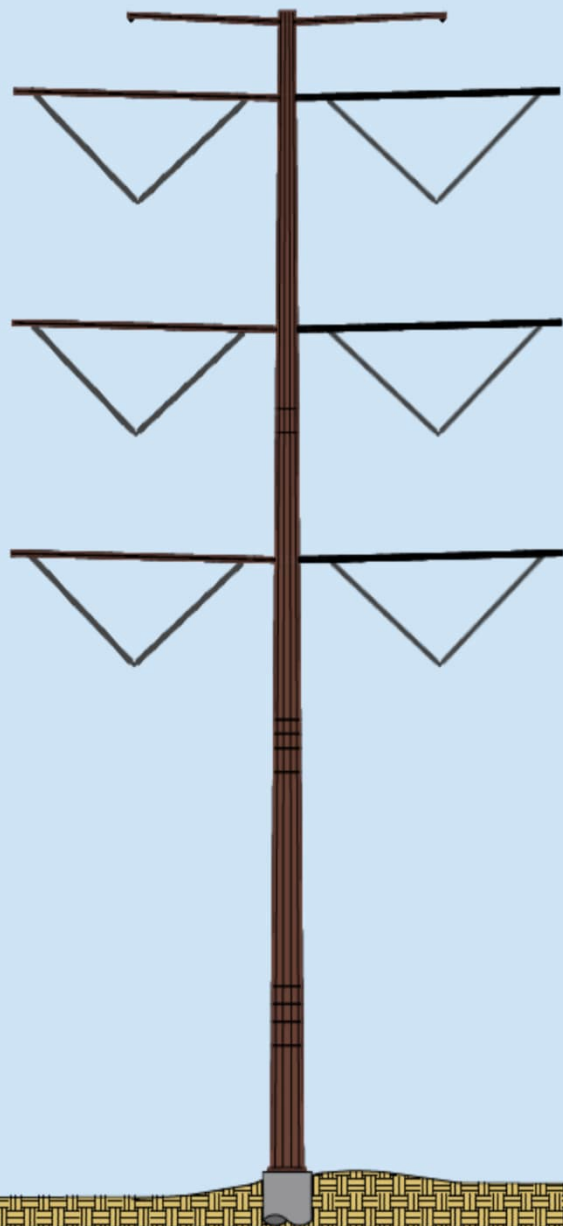
Previous (~2022)



Future



Engineering



- The proposed transmission line will be designed and built for 500 kV operation but will initially operate at 230 kV until increasing load growth in the area necessitates its operation at 500 kV.
- The new poles supporting the 500 kV transmission line will be between 100 to 240-feet tall with an average height of approximately 200-feet.
- The 500 kV poles will weather with a dark-brown protective coating and are designed to be stronger and more weather-resistant.

Environmental & Permitting Process

Our Commitment

We will work hard to minimize impacts to the natural environment and reduce and control erosion and sedimentation during construction.

We work cooperatively with regulatory agencies, obtain all required permits and meet all the environmental requirements of our permits.

The transmission line construction process will minimize the impacts to environmentally and culturally sensitive resources to the extent practical, including:



*Threatened, endangered
or rare species and
natural communities*



*Wetlands, streams
and regulated
floodplains*



*Historical and
archaeological
resources*

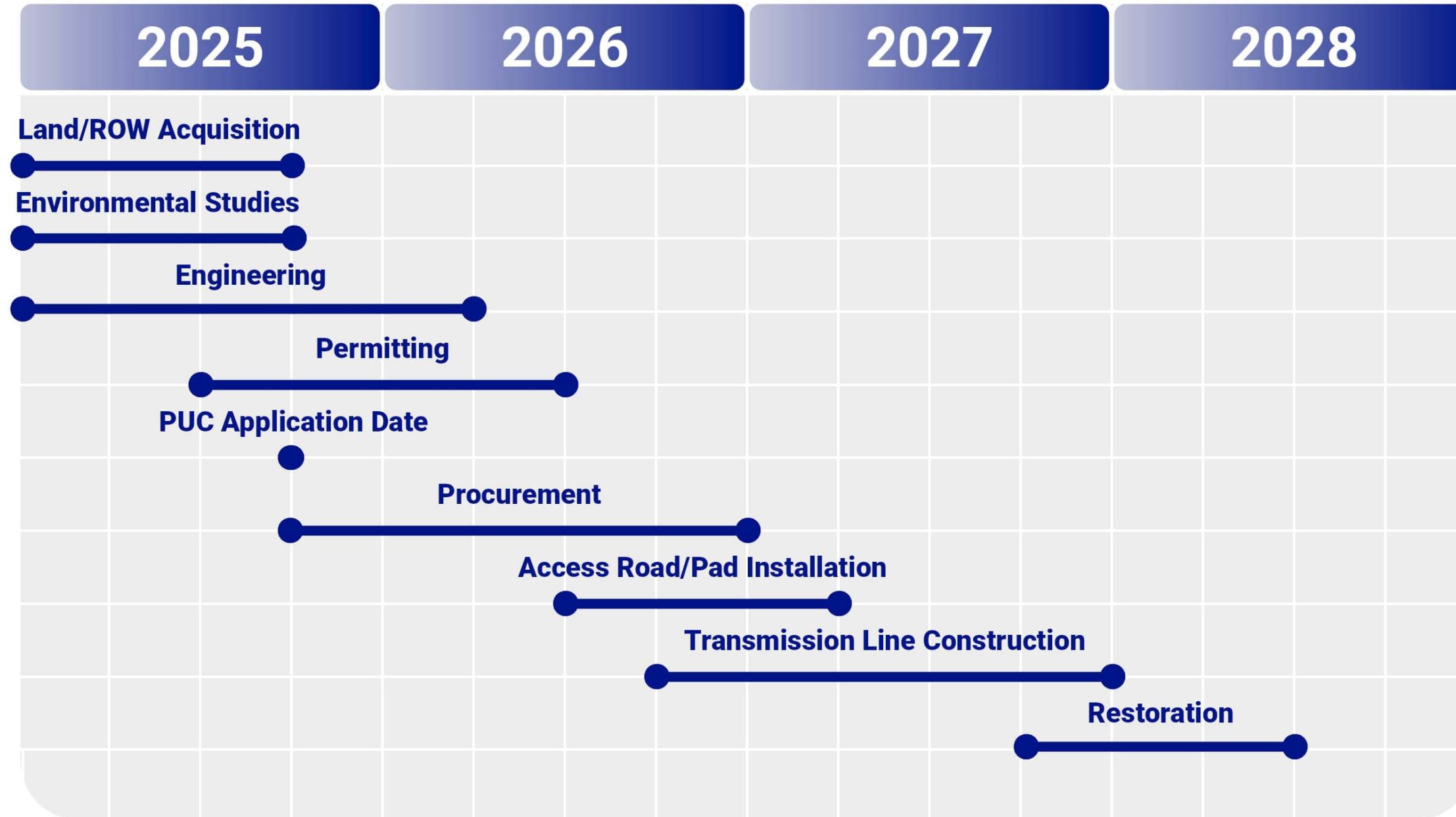
*PPL Electric will
work with
landowners to
reduce potential
inconveniences
during
construction*

Construction Activities

Construction will begin after PUC / regulatory approvals and permits have been acquired and will include the following steps:

- Material delivery and staging.
- Installing erosion and sedimentation controls.
- Installing access roads to the work areas.
- Drilling holes, installing foundations and erecting the new poles.
- Installing the conductor and overhead wires.
- Restoring any disturbed areas.

Project Timeline



- Project timeline is preliminary and subject to change
- PPL Electric will post schedule updates on its project specific website, <https://sugarloafproject.com/>