WELCOME TO OUR OPEN HOUSE

SPRECHER-PITNEY 138 KV TRANSMISSION PROJECT

We're here to share detailed information about an upcoming transmission line project in Lancaster County.

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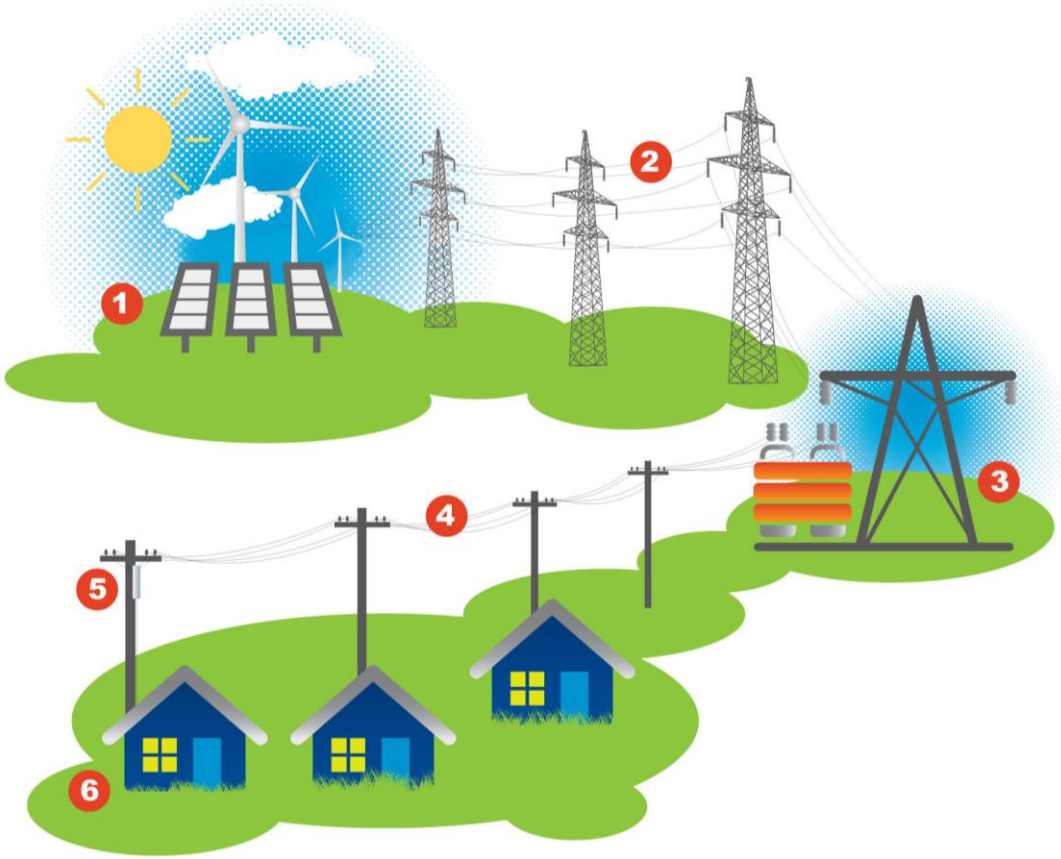
TRANSMISSION: HOW IT WORKS

Just like a highway system, transmission lines are responsible for moving electricity safely and quickly 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.



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Transmission has a wide range of benefits.

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PROMOTES AFFORDABILITY

By connecting consumers to a wider range of energy sources and competitive pricing, transmission helps keep energy affordable.

DRIVES ECONOMIC DEVELOPMENT

Advanced manufacturing, technology and other energy-intensive business operations demand large amounts of reliable electricity that only transmission can deliver.

ENSURES RELIABILITY

Transmission enhances reliability by providing multiple pathways for electricity, helping grid operators get power to where it's needed most.

STRENGTHENS NATIONAL SECURITY

A strong transmission system is essential to national security, as it strengthens our ability to withstand the increasing amount and severity of weather, physical and cyber threats.

ENABLES A CLEANER ENERGY FUTURE

Renewable energy sources are often developed in remote areas. Transmission plays a vital role in connecting these sources with local communities.

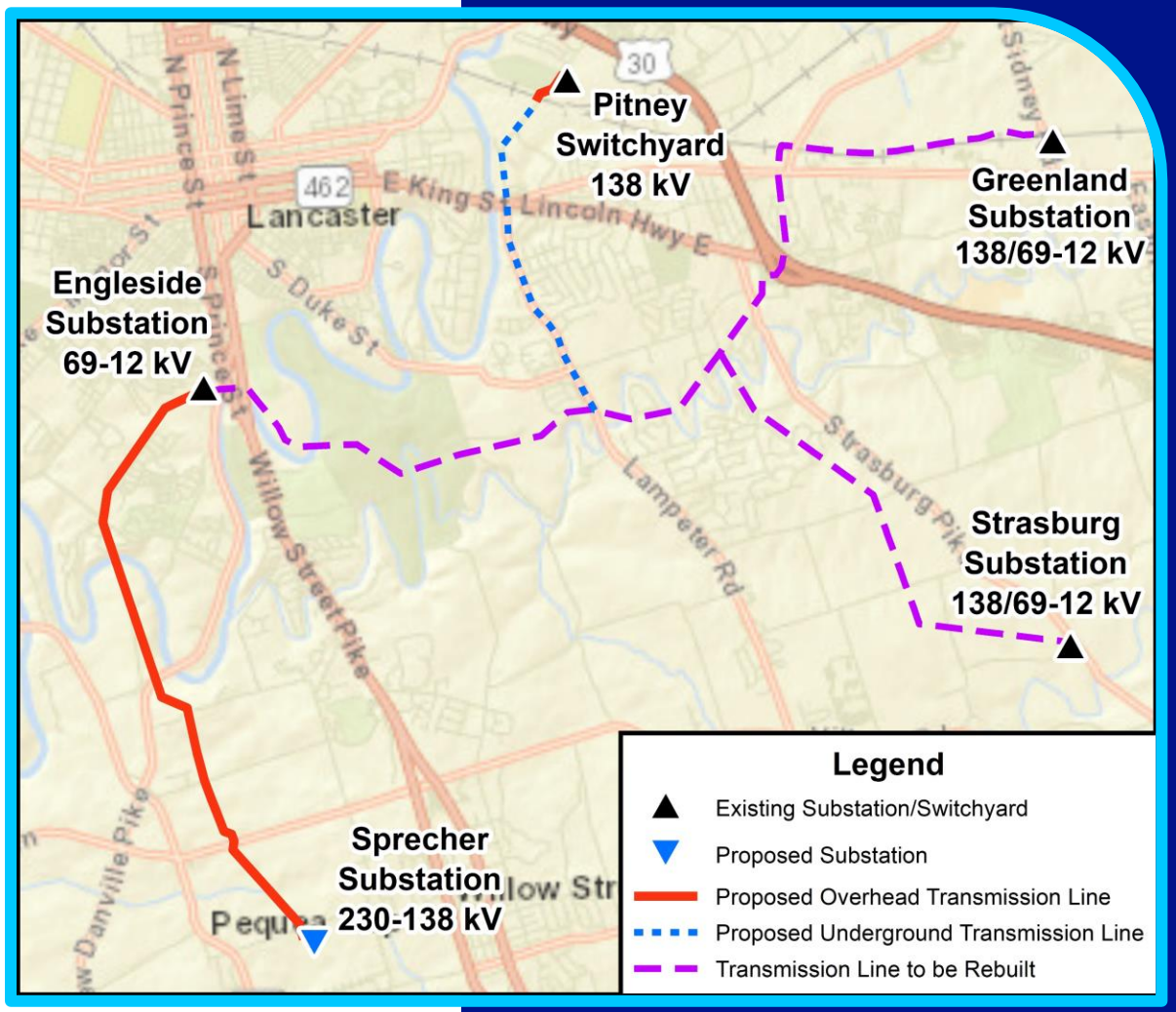
EFFICIENTLY DELIVERS ELECTRICITY

The transmission system allows electricity to travel over long distances from where it's generated to places like cities and towns where it's needed the most.

SCAN HERE TO LEARN MORE.

PROJECT OVERVIEW

- We're building a new 138 kV transmission line from the proposed Sprecher Substation to the Pitney Switchyard within aboveground and underground right-of-ways (ROW). Additionally, we are rebuilding existing 69 kV transmission lines to 138 kV between the existing Greenland, Strasburg, and Engleside Substations.
- Approximately 4 miles of aboveground transmission line will be constructed within existing PPL easements.
- Approximately 2.1 miles of underground transmission line will be constructed within a public road ROW.
- Approximately 10 miles of overhead transmission line will be rebuilt within existing PPL ROW.
- Approximately 0.3 miles of overhead transmission line will be constructed within new 100-foot-wide ROW.



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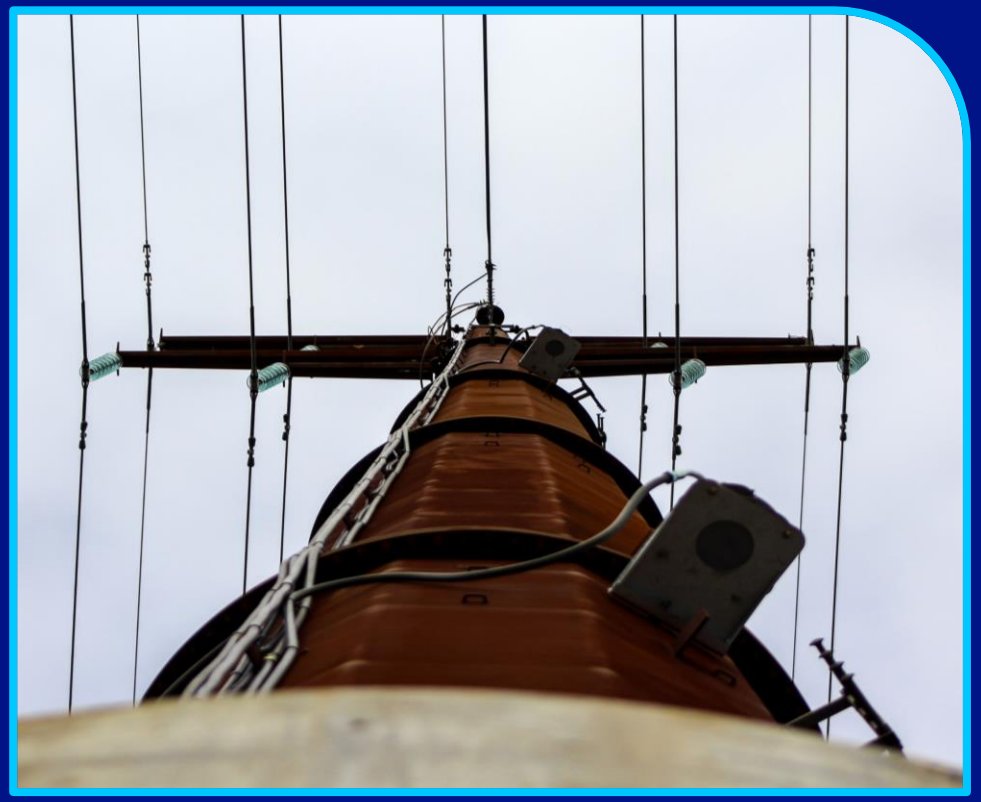

PROJECT NEED

The new substations and transmission line will support new customer connections and strengthen reliability across the region. By upgrading equipment and adding new power pathways, we are reducing outage risks and ensuring dependable service for all customers.

It's important to note that the transmission grid is a system of pathways that move electricity from where it is generated to where there is demand for power. In that respect, the Sprecher-Pitney project, along with other transmission lines, play a supporting role in the flow of power to the regions where demand for electricity is growing.

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Siting and Route Selection

- Conduct studies within the project area to obtain data and make informed decisions.
- Engage stakeholders to share project information and receive feedback about the project.
- Incorporate stakeholder feedback into the alternatives analysis and selection of the preferred alternative route.
- Submit application to Pennsylvania Public Utility Commission (PUC) for constructing the 138 kV transmission lines.

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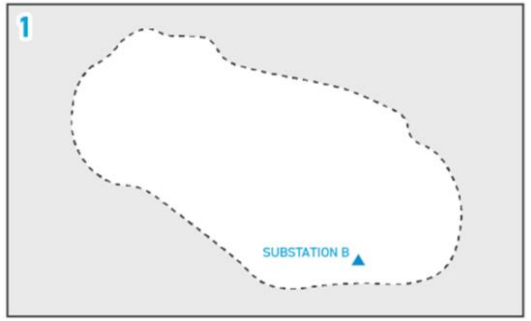
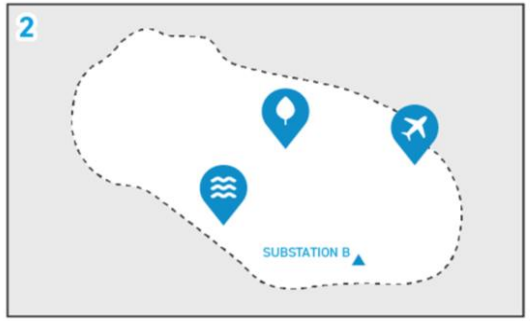
UNDERSTANDING THE SITING PROCESS

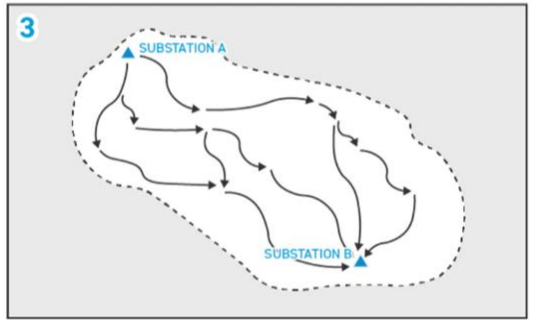
We implement a comprehensive siting process that takes land use, the environment, public input and engineering guidelines into account to develop a transmission line. The information below illustrates each stage of the process.



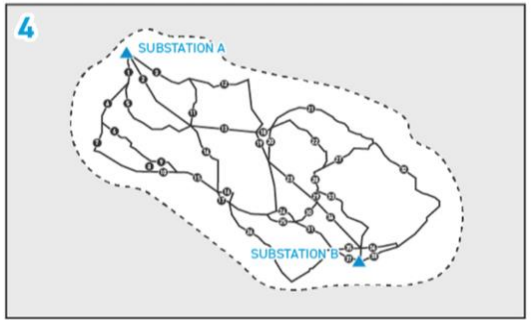
1. Study Area: Develop a study area for the project that incorporates both end points of the power line and the area between.



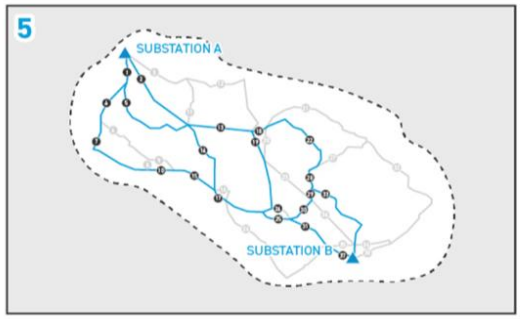
2. Information Gathering: Data is gathered for the defined study area including environmental, land use, historic and cultural resources, existing infrastructure and sensitive areas.



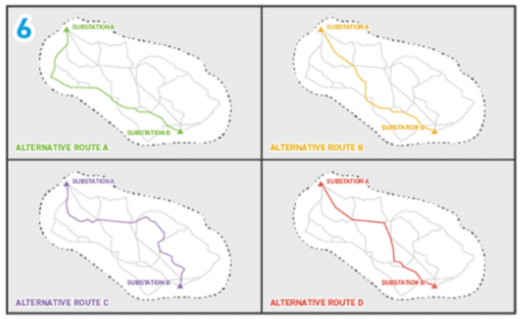
3. Conceptual Routes: The routing team uses data gathered to develop conceptual routes adhering to a series of general routing and technical guidelines.



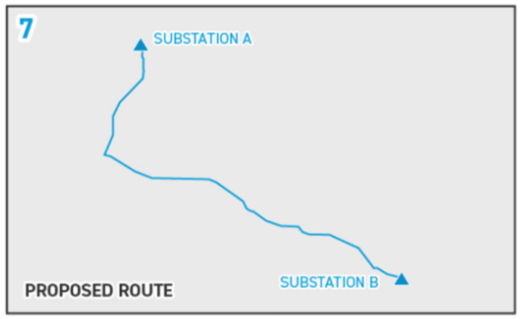
4. Study Segments: Study Segments are derived from conceptual routes. Study segments are formed between two common points of intersection. Together, the collection of study segments is referred to as the study segment network.



5. Refined Study Segments: As more information is gathered, the study segments are refined. Some study segments are eliminated or modified, leaving the refined study segments for further consideration.



6. Alternative Routes: After public input is gathered, study segments are further refined and evaluated. The most suitable segments are selected and assembled into alternative route options.



7. Proposed Route: Alternative routes are assessed, and a proposed route is chosen. The proposed route minimizes impact to the community and environment, while considering cost, line length, and design requirements.

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RIGHT-OF-WAY

- Easements, or right-of-way, give PPL Electric the right to construct, maintain, operate, rebuild, and access transmission lines while the landowner retains ownership of their property.
- A majority of this line will not require new right-of-way.
- New overhead and underground lines will be located primarily within existing PPL easements and public road right-of-way.
- A short section of 0.3 miles of new overhead lines south of the Pitney Switchyard will use new 100-foot-wide right-of-way easements.
- We will work directly with affected property owners. PPL is dedicated to negotiating in good faith and providing fair market compensation.

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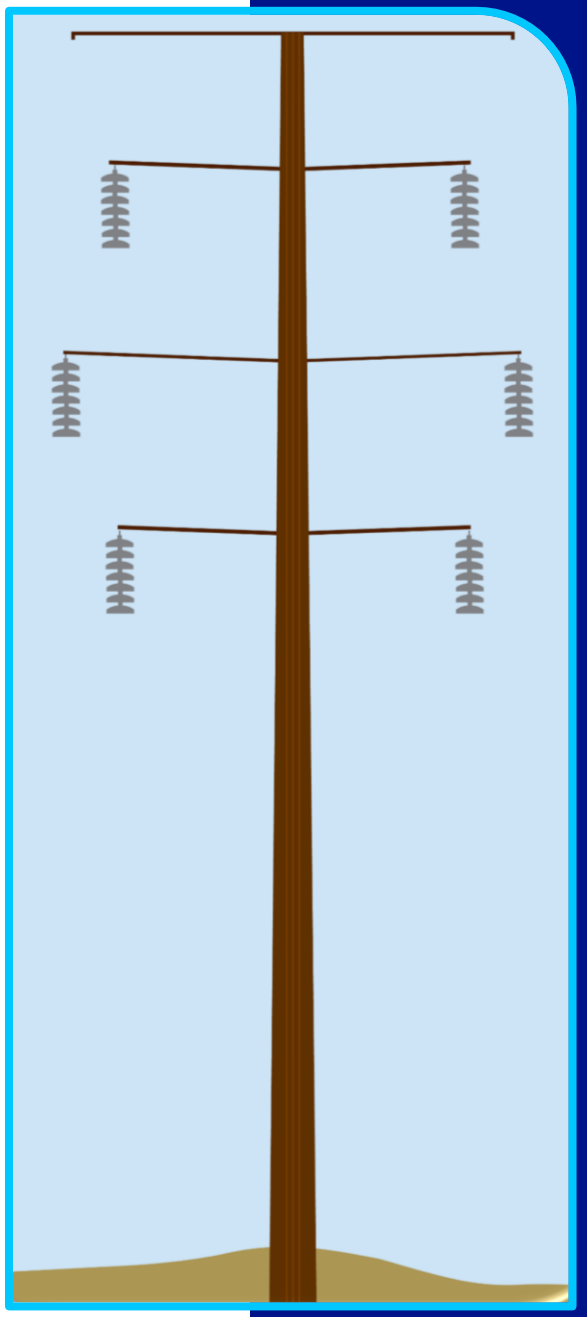
ENGINEERING

- The proposed transmission lines will be designed and built for 138 kV operation.
- Based on preliminary engineering, the 138 kV monopole structures will range in height from approximately 80 to 100 feet. Actual pole heights will be determined during final engineering.
- Monopole structures will weather with a dark-brown protective coating and are designed to be stronger and more weather-resistant.
- The underground portion of the project will be located in public road right-of-way and will therefore not be visible to the public other than occasional manholes used for maintenance access.



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ENVIRONMENTAL & PERMITTING PROCESS

OUR COMMITMENT

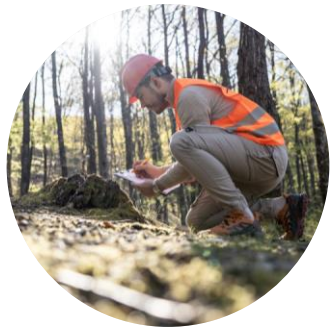
We will work hard to minimize impacts to the natural environment and reduce and control erosion and sedimentation during construction.

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 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 archeological resources.

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CONSTRUCTION ACTIVITIES

OUR COMMITMENT

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

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

- Material delivery and staging.
- Vegetation trimming and clearing.
- Installing erosion and sedimentation controls.
- Adding access roads to work areas.
- Preparing sites for new infrastructure.
- Digging holes, installing foundations and building the new poles.
- Installing overhead wires.
- Trenching for underground cables.
- Restoring any disturbed areas.

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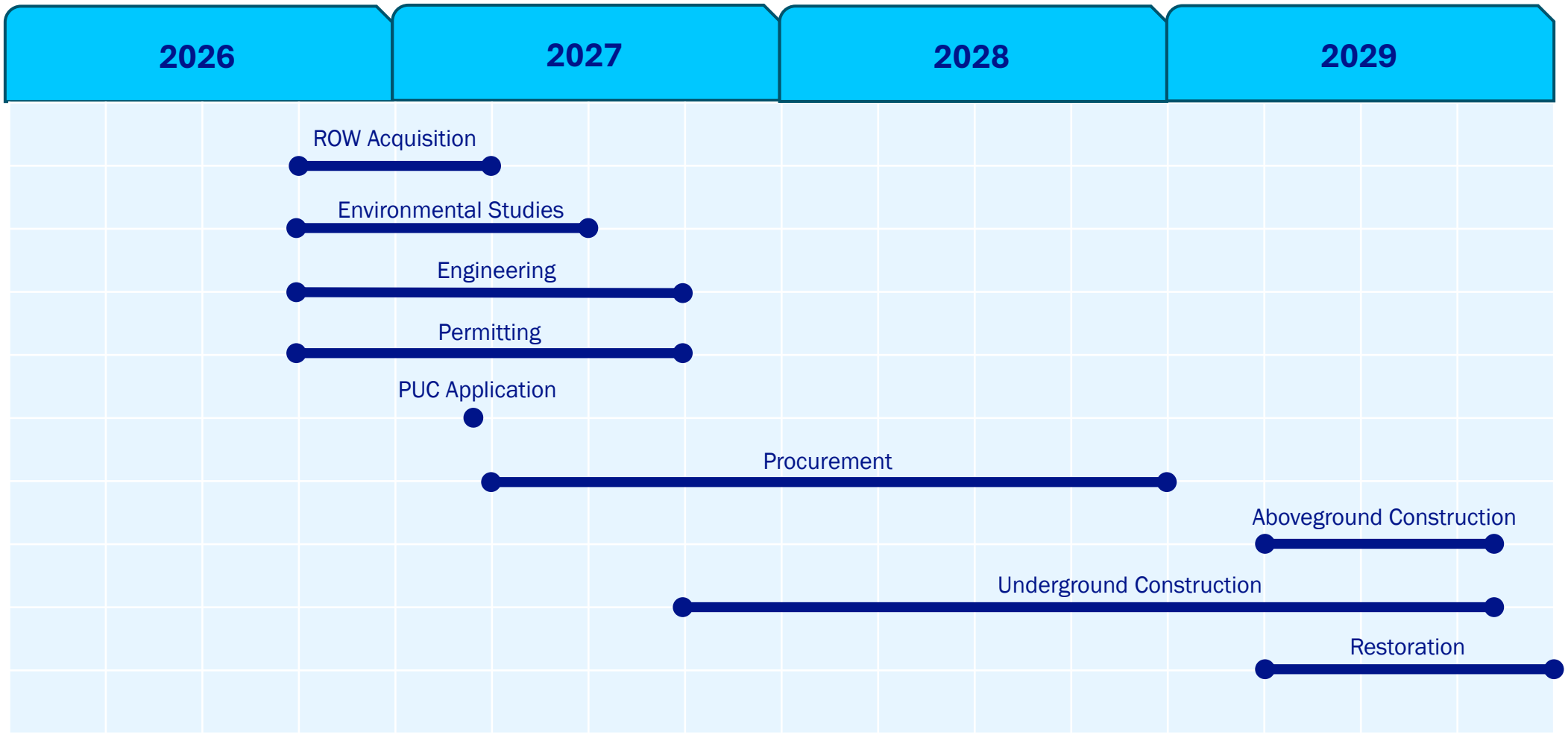
PROJECT TIMELINE FOR SPRECHER-PITNEY



**Project timeline is based on our current information. The schedule is subject to change as the project progresses.*

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HOW CAN I STAY INFORMED?

VISIT OUR WEBSITE

Visit the dedicated project webpage on our website.

www.PPLSprecherProject.com

SEND US AN EMAIL

Send questions, comments and feedback via email to:

SprecherProject@pplweb.com

Thank You!

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