

Rural Broadband Program Highlights

Dominion Energy Virginia's Rural Broadband Program is a system-wide initiative to equip our infrastructure with fiber optic cable that assists Internet Service Providers (ISPs) with providing broadband access to rural areas in Virginia.

Improved Connectivity

- Remote work, telehealth, and homework at your fingertips

Economic Development

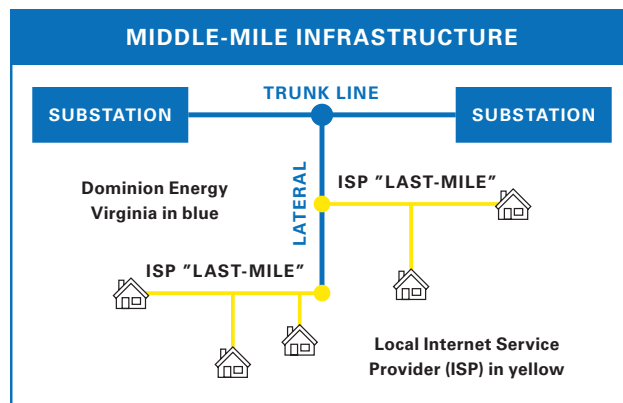
- Broadband access in rural areas energizes business, increases home value, and attracts residents

Minimal Impact to Property

- In most cases, fiber optic cable will be strung on our poles in existing rights of way
- Property restoration is a priority. Our crews will restore your property to its original shape or better

Our "Middle-Mile" Goal

The "middle-mile" is the mainline or trunk line fiber that provides broadband access into rural areas previously impractical to reach. The "last-mile" is installed by local ISPs.



Learn more Online



Scan this QR code with your mobile device to visit our project website at DominionEnergy.com/RuralBroadband

Or email us at RuralBroadband@dominionenergy.com.

Contact our Partners



888-217-7827 | allpointsbroadband.com



434-636-2274 | empowermec.net



833-473-3591 | fireflyva.com



804-834-2424 | ruralband.coop

Rural Broadband ProgramSM



Everyone deserves access.

Moving forward to bridge the digital divide across Virginia.



Rural Broadband Program Stages



Evaluation

Dominion Energy works with the local jurisdiction and Internet Service Providers (ISPs) to determine which areas are eligible for broadband expansion. Existing overhead distribution facilities and service areas are evaluated.



Scoping

Dominion Energy employees will be in your area evaluating existing overhead facilities and creating route maps for fiber optic cable. Field notes will be taken to evaluate existing overhead distribution structures.



Design

A company employee or contracted representative will visit a designated area, take field notes and pole measurements, and begin designing the required fiber facilities.



Easements

Dominion Energy will work with property owners if a supplemental communications easement is required.



Installation

In most cases, crews will simply install fiber optic cables along existing overhead power lines. In rare circumstances, outages may be needed. In these cases, customers will be notified at least two days in advance.



Completion

Once Dominion Energy's middle-mile fiber installations are complete, ISPs will begin the construction of last mile service. If any property restoration is needed, it will be completed in a timely manner. Your property is our priority.

Installation Process

Construction

Contracted construction crews will replace or upgrade pre-identified Dominion Energy poles to ensure they are suitable for the attachment of fiber optic cable.



Framing

Crews will attach temporary fiber pulling equipment, as well as permanent fiber attachment equipment where needed.

Hanging blocks and mid span blocks, attached to existing wire and poles, allow for the smooth pulling and support of fiber optic cable from one pole to another. Permanent hardware, including dead ends, tangents, and coil brackets will also be added in this step.



An authorized Dominion Energy contractor installs permanent fiber attachment hardware.

Pulling Fiber

Fiber will be pulled through the temporary attachment hardware. During this step, additional fiber must be included at coil brackets throughout the pole route to facilitate future restoration work.

Depending on the terrain and situation, fiber will be pulled through hanging blocks by hand, with a vehicle, or by using a cable pulling device. Cable trailers with cable reels are used to manage the fiber.



ISP Access Point Installation

Once Dominion Energy's middle-mile fiber optic cable is installed, the ISPs will begin the installation of last-mile service to customer's homes. At pre-specified locations, or access points, the ISP will connect to Dominion Energy's fiber network.



The fiber optic cable is the lowest line on this span.