

LYNNVILLE, ELKTON AND MINOR HILL, TN

# Community Hotspots

PES Energize (Pulaski Electric System) is connecting residents to high-speed internet by installing strategically placed Wi-Fi hotspots in rural Giles County communities.

BUDGET

\$12K

\$8K  
TVA Connected  
Communities

\$4K  
Proposed  
Match

## Background



### Rural Need

COVID-19 brought the need for equitable access to electronic resources in Giles County to the forefront.

#### THE OPPORTUNITY

### Community-Centered Hotspots

With the support of local governments, PES Energize is creating a wide range of Wi-Fi coverage and connection points for rural residents.

#### TECHNOLOGY

8

Wi-Fi hotspots installed in accessible locations.

3

communities across the county receiving hotspots.

## Scope



### Strengthen the Fiber Footprint

of PES Energize to small rural communities.

#### THE GOAL

### Improved Quality of Life

Through a free, fast, reliable internet service, Giles County residents gain access to essential services such as online education, work and telehealth.



### Mesh Technology

connects Wi-Fi hotspots to each other and fiber optic point-to-point connections for unified management.

#### DETAILS

Permanent installation

Future Growth positioning



## Performance

### Key Performance Indicators

- Completion of each stage of the process
- Customer satisfaction
- Public Wi-Fi user sessions

## The Value

### Reduced Digital Divide

Reliable, quality hotspots provide transformative internet access to hundreds of residents.

### Case Use Study

Other groups and businesses can use the lessons learned in planning and design to create their own Wi-Fi access points.

## Key Partners

### PROJECT LEAD

PES Energize

### ADDITIONAL PARTNERS

Tennessee Valley Authority



## Timeline



Learn more about this pilot project

### Secure Outside Contractor

An outside contractor, assisted by PES Energize administrative staff, implements the project.

### Plan and Configure

The PES administrative staff build project plan, oversee contractor work and design the system and network parameters.

### Install Infrastructure

Contractor installs devices and gets network online. Once installed, maintenance costs for services and support remain low.

### Secure Ongoing Funding

Pulaski Electric System will budget for and cover the costs for equipment, service and ongoing support for the lifetime of the public Wi-Fi system.