

TVA INNOVATION & RESEARCH

Connected Communities Pilot Winners



We are Excited to Announce the Call for Pilot Winners

Nine project teams will receive TVA funding to use data and technology-driven innovations to offer improved services to their community's people and businesses. The pilots will run for about two years, with TVA partner organizations contributing 30% of total project costs.

PILOT FOCUS AREAS

- Economic Empowerment
- Equitable Access to Services
- Energy & Environmental Justice

SELECTED PILOT WINNERS MAP





Economic Empowerment

Economic Solutions Through Solar Innovation

The Cheatham County School District will construct a 50kW solar array with a Tesla Powerwall backup system and develop a solar tech training program for high school students to be prepared for careers in solar.

Total Project: \$270K

Base Camp Coding Academy

Base Camp Coding Academy will expand their program to create a more diverse student profile and scale the pipeline for under-advantaged youth in Mississippi to access careers in software development.

Total Project: \$380K

Building the Future of East Tennessee's Workforce

To encourage STEM careers, East Tennessee PBS will work with the University of Tennessee to create a series of short videos and related education materials, covering skilled labor and STEM-field career opportunities for K-12 students to be viewed on public television, online and in the classroom.

Total Project: \$573K



Equitable Access to Services

Connectivity & Health in Orchard Knob

The Enterprise Center and Parkridge Medical Center will expand broadband access, walkable public wireless internet, telehealth services, digital literacy training and a digital resource hub to support the low-income and diverse community of Orchard Knob.

Total Project: \$870K

Tech Upgrades at City of Knoxville Recreation Centers

By adding WiFi, computers, laptops, tablets, smart TVs and digital training to 15 Parks and Recreation facilities, the City of Knoxville will benefit low- and middle-income individuals who do not have internet access at home.

Total Project: \$100K

Providing WiFi Access & Education to New Affordable Housing Projects

SmartMark and Murfreesboro Housing Authority (MHA) will revitalize four MHA properties with wireless infrastructure and digital training to alleviate the burden of the cost of internet service for low-income residents and reduce the digital divide.

Total Project: \$850K



Equitable Access to Services *continued*

ACTNow

Columbus Light and Water will work with Columbus Housing Authority to provide residents digital literacy training, connection to internet services and the tools needed to engage in digital spaces.

Total Project: \$262K

Community Hotspots

Pulaski Electric System Energize will provide access to unserved and underserved residents in three Giles County rural communities through the installation of high-speed internet at public locations.

Total Project: \$12K



Energy & Environmental Justice

Alerting Elders to Air Quality Health Risks

Three3 and Socially Equal Energy Efficient Development will install indoor and outdoor air quality monitoring sensors in low-income homes to improve the resiliency of elders to indoor and outdoor risks.

Total Project: \$985K

Explore Our Previous Pilot Projects

Home Energy Management System Control Platform & Mobile App

The Home Energy Management System Platform will be developed as a free, open-source platform and mobile app connecting the local power company electricity distribution system with residential customers through smarter home energy controls.

Total Project: \$750K
Location: Tennessee Valley

BrightRidge & Johnson City Smart Poles

This pilot will evaluate the combination of smart lighting and sensor technologies to support business case development around energy savings, public safety, park management, community experience and satisfaction and reduced maintenance.

Total Project: \$500K+
Location: Johnson City, TN