



## Quick Facts

### Current Status

- Construction began in mid-2015 and included make ready engineering, survey and design work, and installation of fiber huts. This included ~671 government agency locations, ~62 KCTCS campuses, all state universities, and additional miscellaneous sites such as the Center for Rural Development.
- Approximately 72 telecommunications, electric and municipal utilities across the state are important partners for access to poles. KCNA has pole attachment agreements for approximately 83,000 poles needed statewide.
- KCNA partnered with seven (7) local telecom providers to construct and maintain portions of the network. These include: Brandenburg Telecom; Bluegrass Network LLC; Cincinnati Bell Telephone Company LLC; East Kentucky Network LLC; Gibson Connect LLC; MuniNet Fiber Agency; and Owensboro Municipal Utilities.
- The complexity of the project and number of entities involved impacted the aggressive construction schedule established under the initial agreement. Final project completion is forecasted for fall 2022.
- As of May 2022, ~3000 miles of fiber optic cable have been installed leaving less than 50 miles to install in western Kentucky.

### Project Overview

- KentuckyWired (KYW) network consists of more than 3,000 miles of fiber optic cable serving approximately 1,000 network sites statewide.
  - ~ KYW is the “interstate highway infrastructure system” connecting the worldwide Internet to “exit ramps” closer to a community.
  - ~ The KYW network will provide broadband services to state government agencies and public postsecondary schools, including KCTCS.
  - ~ KYW will be built based on government/post-secondary education current needs with excess capacity, which allows for future growth; provides service to other public institutions and potential wholesale use.
  - ~ KYW is “open access” meaning that cities, partners and businesses may acquire access to the network to provide last mile services directly to customers.
  - ~ KYW is not an Internet service provider and will not provide Internet service to end users such as consumers or businesses.
  - ~ Approximately 85% of the fiber is installed primarily on poles; the remaining 15% is underground.

- Construction of the network began in the Louisville-Lexington-northern Kentucky region to allow for connection to the worldwide web points of presence in Cincinnati and Louisville. Construction in the eastern Kentucky SOAR region was next followed by the rest of the state.
- KCNA's vendor OpenFiber Kentucky d/b/a Accelecom, a wholesale provider of network capacity to local providers, which means they can invest in extending their local fiber networks to its customer base. This arrangement is called open access.
- OpenFiber has sold 329 circuits to 114 customers, including healthcare in eastern Kentucky. It has 140 projects in place to connect more customers which involves 180 miles of additional lateral fibers.
- When possible, local Kentucky companies will provide construction and maintenance services.

