

# The Missouri Research and Education Network (MOREnet)

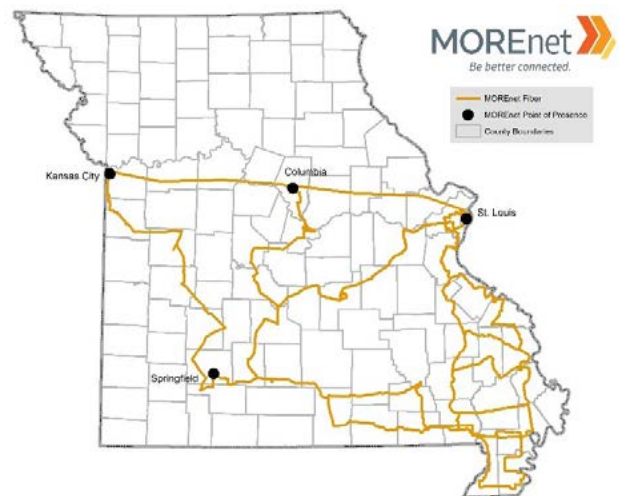
Organized as a membership consortium, the Missouri Research and Education Network (MOREnet) serves more than 700 Missouri organizations including higher education institutions, K-12 schools, public libraries, health care facilities, state government, and other public sector entities. Established in 1991, MOREnet operates as a department within the University of Missouri System.

In addition to managing and maintaining a robust and secure fiber network infrastructure, MOREnet provides its members with technical services including cybersecurity, network consulting, technical support, videoconferencing, training, and hosted and managed applications, as well as access to a number of online resources. As a non-profit technology partner with nearly 30 years of regional networking and information technology experience, MOREnet ensures consistent quality and cost-effective solutions for its member organizations throughout the state.

## About the network

MOREnet has federal, state, and member funding to build and maintain Missouri's research and education network. In partnership with private telecom providers, MOREnet has acquired access to more than 3,600 route miles of fiber through Indefeasible-Right-of-Use (IRU) agreements. As one of the country's premier research and education networks, its statewide core fiber network supports 100 Gigabits per second (Gbps) with a total capacity to offer 8.8 Terabits per second (Tbps). In addition, MOREnet connects members to Internet2, the nation's largest and fastest, coast-to-coast advanced research and education network.

Within the state of Missouri, MOREnet manages and monitors more than 650 circuits connecting individual member sites with bandwidth ranging from 1.5 Mbps to 100 Gbps, totaling nearly 140 Gbps of aggregate last-mile capacity. Networked applications have become mission-critical to its members and the world at large. Keeping this in mind, MOREnet maintains direct relationships with providers, monitors all member connections, and often is aware of network problems and already working on the solution before the member contact becomes aware of any issue.



## Helping Missouri

MOREnet has kept pace with the networking and information technology needs of its Missouri members over the years. At one time, state funds ensured comparably priced, quality connectivity for all public higher education institutions regardless of their geographic location or actual costs. This was extremely beneficial, as higher education institutions in rural areas often face limited bandwidth options and generally pay significantly higher rates.

As new cost-effective opportunities emerge to address its members increasing demand for additional bandwidth, MOREnet seeks public-private partnerships with fiber providers to build out to its member sites using long-term fiber contracts. Once on the statewide fiber network infrastructure, member organizations and their users benefit from significant bandwidth increases via one-time, incremental increases rather than recurring increases in bandwidth charges. MOREnet is proud to operate the state's research and education network and is committed to reducing costs and implementing new, enhanced services for all member organizations to ensure Missouri's citizens are better connected.