

The Quilt



The Quilt is a national coalition of non-profit research and education networks dedicated to advancing innovation, fostering collaboration, and supporting the development and use of purpose-built infrastructure that empowers education, research, and public service institutions across the United States.



IMPACT OF RESEARCH AND EDUCATION NETWORKS (RENS)

High-Performance Connectivity and Data Transfer

- Provide high-capacity, high-performance, secure, and reliable network infrastructure essential for transferring large volumes of research and academic data while protecting users' valuable data assets and discoveries.
- Enable teachers, students, and public service healthcare to work together regardless of location, supporting remote teaching, distance learning, and telehealth efforts.

Enabling Collaboration and Innovation

- Drive innovation through powerful partnerships facilitated amongst academic, research, governmental, and commercial partners at local, state, and national level.

Supporting Advanced Research and Education

- Power research and innovation by facilitating the use of high-tech instruments, high-performance computing, and AI which require the transfer and analysis of massive datasets.

Economic, Social, and Strategic Benefits

- Close the digital divide by providing advanced network services to anchor institutions in geographically remote or underserved areas.
- Offer economies of scale, reducing the cost of high-bandwidth internet access, services, and applications for member institutions.
- Attract skilled researchers and support national research agendas to contribute to economic growth, competitiveness, and a highly skilled workforce.

Broader Community Impact

- Facilitate and expand access to educational resources at all education levels.
- Accelerate technology and knowledge sharing along with consultancy services to benefit research and industry.