(US)NUA
US Networking User Association



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Research and Education "Middle Mile" in New England and Vermont

neren
Northeast Research & Education Network

- New England centric non-profit network operator since 2002.
- We connect the state networks in New England to each other, Boston, New York and national/international networks.
- We convene people to work on common challenges.

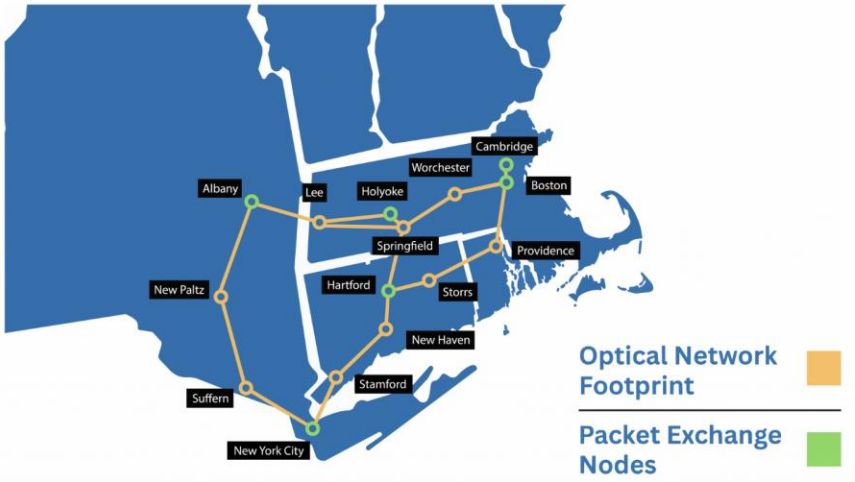


Big science, research and campuses require abundant bandwidth, flexible provisioning and end to end telemetry to partners.

Example NEREN Services may look familiar:

- Backhaul to ISPs /IXPs (waves and spectrum)
- Cloud Connect via Internet2 Insight Console (Layer 2 and 3 Packet)
- On demand Science Networks (Layer 2 and 3 Packet)
- Data to Compute (MGHPCC)
- Research facilitation (L8+)

Network Operated Directly by NEREN

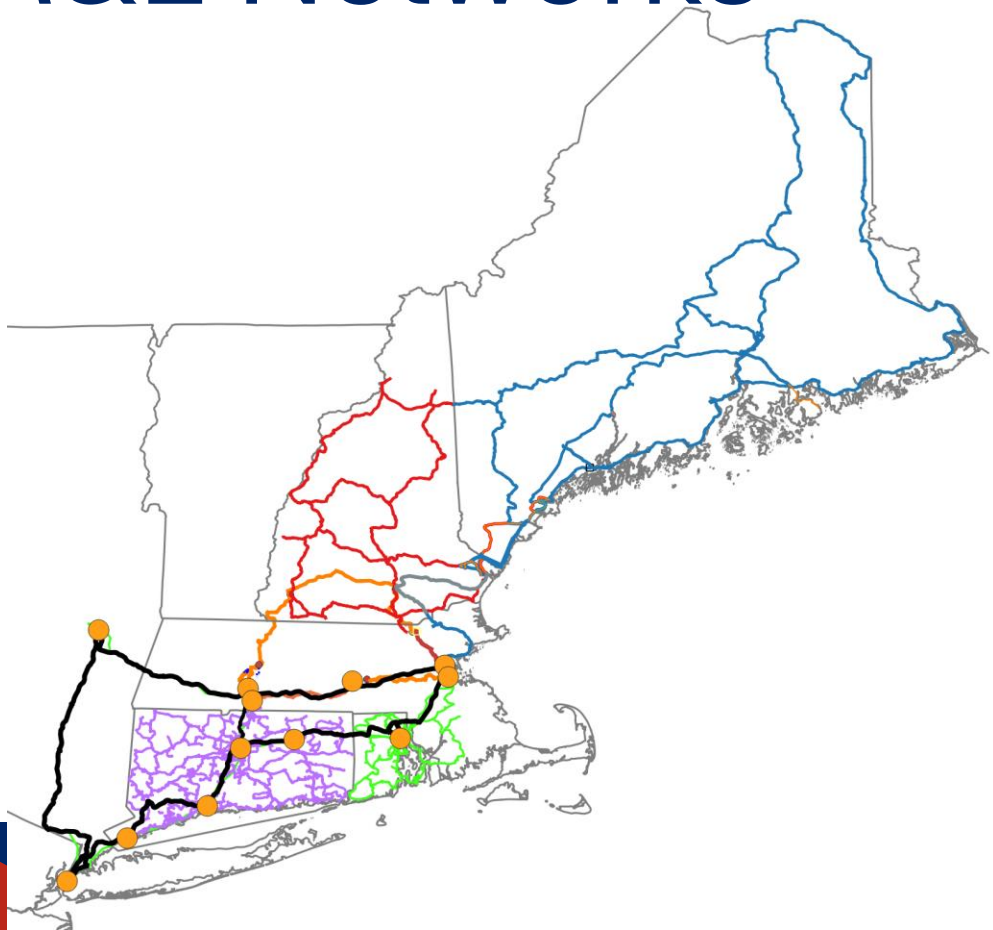


R&E Networks operate slightly differently:

- Fixed fees for unlimited capacity
- ”User” provisioning
- Telemetry, ticket and data sharing

New England R&E Networks

- Connecticut Education Network (UConn & State Dept of IT)
- IBEAM-NH (UNH System)
- NetworkMaine (Umaine)
- OSHEAN – RI (Non-Profit)
- UMASSnet (UMass) & MBI (State)



Discussion:

Are there middle mile opportunities in Vermont that NEREN could collaborate with?