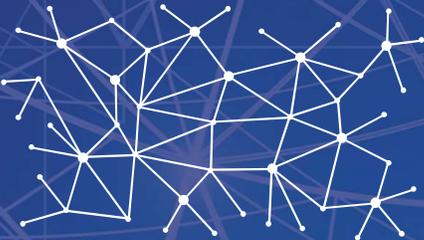**What's the difference between Network Nebraska-Education and getting Internet directly from an Internet Service Provider (ISP)?**

Network Nebraska-Education employs a dynamic, intelligent routing protocol that enables data to reach its destination via the fastest, most efficient routing possible (e.g. Intranet backbone, Internet2 SEGP, Internet2 Commercial Peering Service, commodity Internet).

With an ISP, there is only one pathway and that is the commodity Internet which is susceptible to congestion, and depending on the ISPs involved, may include multiple out-of-state "hops" to reach another in-state destination, which is not very efficient.

What does our Network Nebraska-Education Participation Fee pay for?

Network Nebraska-Education Participation Fee payments cover all the non-E-rate eligible costs of running the statewide network, from routers and traffic shaping to software maintenance, technical support, E-rate support, and facility upgrades.

Network Nebraska—Education Services and Benefits

Student Learning Opportunities

Connectivity/Transport

Network Management/Monitoring

Administrative/E-rate

24x7 Technical Support
1-888-NET-NEBR (638-6327)

networknebraska.ne.gov
NNinfo@nebraska.gov

NETWORK
N E B R A S K A

Our Vision

Reliable, affordable, high bandwidth connections to all Nebraska education partners
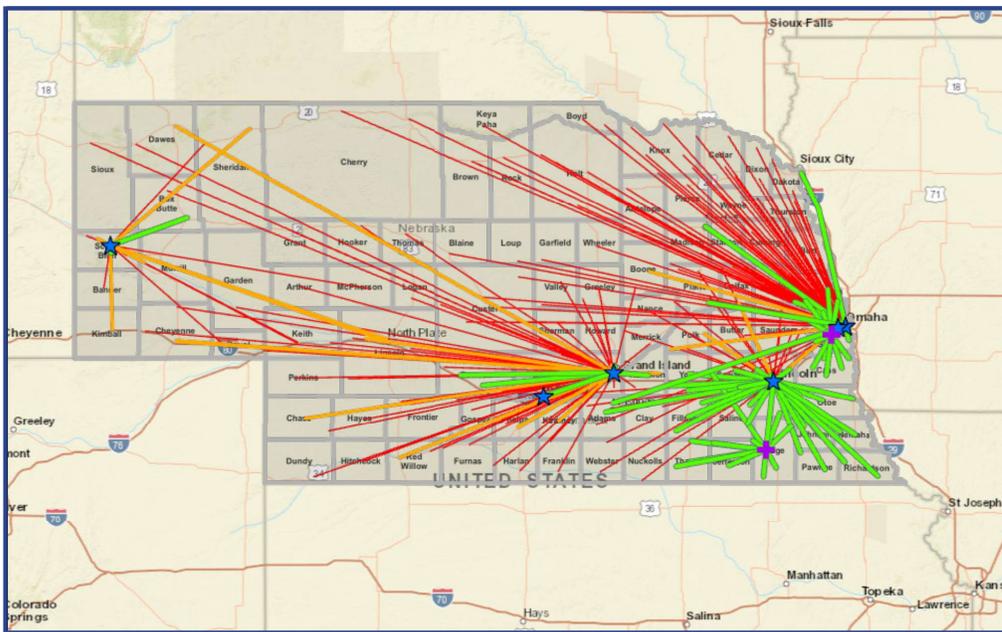
NETWORK NEBRASKA

What We Are

Network Nebraska-Education is a partnership of entities from K-12 and higher education, public and private, which aggregate their purchases to provide a high-speed backbone, statewide Internet access, network management, equipment co-location, procurement services, E-rate filing, and technical support. It currently has over 290 member entities that self-fund the network through a monthly Participation Fee and Interregional Transport Fee.

Network Nebraska-Education members number over 290 entities total, including:

- 99.6% of K-12 public school districts
- 100% of Educational Service Units
- 100% of the University of Nebraska
- 100% of state colleges
- 100% of community and tribal colleges
- 54% of private higher education
- 20% of private K-12 schools
- 2% of public libraries

10/26/2020, 11:22:40 AM
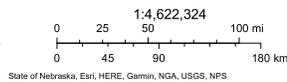Network Nebraska Education Circuits - Capacity
— Less than 300 Mbps
— 301 to 999 Mbps
— Greater than 1000 Mbs
Fiber_Access_Points
★ Access Connection Points
✚ ESU Hubs (ESU 3 and 5)
County

1:4,622,324
0   25   50   100 mi
0   45   90   180 km
State of Nebraska, Esri, HERE, Garmin, NGA, USGS, NPS
Web AppBuilder for ArcGIS
Esri, HERE, Garmin, NGA, USGS, NPS | State of Nebraska |

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5 Network Nebraska's Internet Access and Peering through five upstream providers

Internet2 Commercial Peering Service and prioritized routing to over 60,000 companies including Microsoft, Apple, & Google.

Statewide Testing prioritized routing to NWEA, DRC, and ACT

Fortinet enterprise Intrusion Prevention Service

Distributed Denial of Service (DDoS) event mitigation and scrubbing

Noction intelligent routing platform

Consolidated E-rate filing and Invoice processing with all Nebraska contractors (opt-in)

Contractual and legal enforcement of State RFP contracts for Ethernet circuits

Network Nebraska's Zoom Pro Licensing ($4.50 per user/year vs. $150 per user/year regularly)