

## **Comprehensive Listing of Network Nebraska—Education Services and Benefits (7/1/2016)**

### **Student Learning Opportunities**

- Statewide Clearinghouse and Videoconferencing Scheduling Software ([www.nvis.esucc.org](http://www.nvis.esucc.org))
- High quality exchange of Nebraska K-12 and college video distance learning classes
- High bandwidth Internet2 access to over 90,000 education partners and content providers
- Internet2 programming and virtual museum trips from across the U.S./world
- Transport for the ESUCC/NDE statewide learning object repository and other applications
- Participant in the Internet2 InCommon national pilot project for federated identity services
- New State contract pricing for Zoom videoconferencing

### **Connectivity/Transport**

- Intranet Ethernet connectivity to all 291 Network Nebraska participants and Nebraska Dept of Ed
- Interregional (high bandwidth backbone) Transport between Grand Island, Lincoln, Omaha, and Scottsbluff
- Access to commodity Internet1 service with one of the lowest rates in the U.S.
- 3Gbps Internet2 Commercial Peering Service and prioritized routing to over 60,000 companies
- 20Gbps InterExchange Routing out of Omaha
- Co-location rack space at Lincoln core location as a subscription service
- Core router and core infrastructure cost avoidance through the University of Nebraska partnership
- Increased backbone transport through UNCSN dark fiber projects
- Dynamic provisioning of statewide Internet access

### **Network Management/Monitoring**

- 24/7 network monitoring and call center
- Toll-free Network Nebraska number, 1-888-NET-NEBR (638-6327)
- Automated Notification System services
- Network abuse and nefarious activity monitoring, including DDoS prevention for 2016-17
- Fortinet enterprise Intrusion Prevention Service
- Bandwidth measuring and assistance
- Level 1 network troubleshooting and support on Network Nebraska-Education backbone, core network devices and State Contract and University of Nebraska contracts for Internet access
- Level 2 network troubleshooting and support on wide area networking and other participant routing and DNS issues
- Level 2 video/scheduling troubleshooting and support
- Traffic shaping of Network Nebraska Internet bandwidth at Omaha and Lincoln
- Onsite and/or remote technician assistance, upon request

### **Administrative/E-rate**

- RFP development and State Master Contract negotiations
- E-rate filing on the K-12 eligible portion of the Interregional Transport and statewide Internet
- Sponsored Education Group Participation (SEGP 8 6 8&\$1) Membership for Internet2
- Management of the statewide purchase contracts for statewide scheduling, WAN services, Internet access, Cisco equipment, and videoconferencing equipment.
- E-rate archiving of bid documents, invoices, correspondence
- Continual Management of Consortium Letters of Agency to maintain E-rate eligibility
- OCIO Financial Solutions Services for budget development and vendor service orders
- State Billing services for Network Nebraska Participation Fee and Interregional Transport
- Network Nebraska website ([www.networknebraska.net](http://www.networknebraska.net)) development and support