Dave Heineman
Governor

STATE OF NEBRASKA

OFFICE OF THE CHIEF INFORMATION OFFICER
Brenda L. Decker
Chief Information Officer
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July 15, 2013

The Office of the CIO is prepared to announce the 2013-14 Network Nebraska-Education fees and also update you on a number of exciting developments relative to the statewide education network.

I am pleased to report that seven new K-12 entities and one new independent college will be joining Network Nebraska during summer 2013. The public K-12 entities will eligible this fall to begin earning distance education incentives from the Education Innovation Fund. A Participant Report Summary appears at the end of this memo as we pass the sixth anniversary of the statewide network consortium known as Network Nebraska-Education.

The Network Nebraska Advisory Group (NNAG) is now in its fourth year of existence—comprised of 8 individuals from K-12 and 8 from higher education. These members normally meet about six times per year and indirectly represent the interests of all 261 education entities presently on the K-20 network. Their job is to provide strategic vision and operational recommendations to the Office of the Chief Information Officer as we manage and grow the network. (NNAG website) If you would be interested in serving on the NNAG, you may contact co-chairs John Stritt, jstritt@esu10.org if you are with K-12, or Debbie Schroeder, schroederd@unk.edu, if you are with higher education.

We have over 50 WAN circuit changes scheduled for implementation during summer 2013. The UNCSN project team is working with providers and education staff to make sure the conversion goes smoothly.

Several changes happened with statewide Internet access, effective 7/1/2013. Network Nebraska-Education bandwidth with Unite Private Networks increased by 118%. The unit price for 2013-14 decreased by 2% (to $2.50/Mbps/month). For the second year in a row, the Office of the CIO has assumed the E-rate filing on the eligible portion of the statewide Internet purchase and will be billing the eligible entities the post-E-rate amounts.

The Network Nebraska-Education backbone increased in bandwidth from 1.7Gbps to 2.0Gbps. The annual cost will decrease by 15% for 2013-14 due to the reduction in aggregation circuit costs in Omaha which have become the financial responsibility of a WAN provider. Consequently, entities will see a decrease (7% or 12%) in their monthly Interregional Transport fees.

The Office of the CIO is excited to announce the addition of two new services, enterprise Intrusion Prevention Services (IPS) using Fortinet devices, and Commercial Peering Service (CPS) through Internet2. IPS will help increase network security and CPS will provide a faster Internet peering pathway to such entities as Microsoft, Apple, Google, and other companies to augment Network Nebraska's normal commodity Internet option.

The Participation Fee budget for 2013-14 includes a line item called "Network Upgrade Project" which will be used to help pay for a share of a University of Nebraska dark fiber project, which will provide increased capacity in the Lincoln-to-Grand Island transport segment before the 2014-15 year. There will also be some one-time upfront equipment costs to establish the CPS pathway to Internet2 in Kansas City. Consequently, there will be a modest (6%) increase in Participation Fees for 2013-14.

The NNAG recommended that the OCIO videoconferencing bridge services be maintained at 12 simultaneous multi-point connections for administrative videoconferencing by any Network Nebraska member. More details about how to use this service are available from your ESU distance education coordinator or college technology officer.

The Network Nebraska Advisory Group, the OCIO financial solutions team, and the Collaborative Aggregation Partnership (CAP) have been reviewing the network revenue and expenses for 2013-14 and are prepared to announce the 2013-14 rates, which will take effect with the August 2013 billing:

Performance Year	Network Nebraska **Participation Fee**	Number of Entities
2013-14	**$215.83/month/entity**	**261 entities**
2012-13	$203.48/month/entity	253 entities
2011-12	$190.21/month/entity	244 entities
2010-11	$195.13/month/entity	226 entities
2009-10	$192.47/month/entity	232 entities
2008-09	$197.80/month/entity	182 entities
2007-08	$200.00/month/entity	94 entities

Performance Year	Network Nebraska **Interregional Transport Fee**	Number of Entities
2013-14	**$17.38/month/K-12 entity ($ 53.80/month/college)**	**261 entities**
2012-13	$18.67/month/K-12 entity ($ 61.28/month/college)	253 entities
2011-12	$31.69/month/K-12 entity ($101.09/month/college)	244 entities
2010-11	$36.45/month/K-12 entity ($115.78/month/college)	226 entities
2009-10	$34.48/month/K-12 entity ($ 92.72/month/college)	232 entities
2008-09	$34.21/month/K-12 entity ($ 93.35/month/college)	182 entities
2007-08	$ 0.00/month/K-12 entity [no backbone in service]	94 entities

Performance Year	Network Nebraska **Internet Access Unit Charge**	Number of Entities
2013-14	**$.7750/Mbps/month for K-12 ($2.50/Mbps/month for colleges)**	**15 entities**
2013-14	$.07/Mbps/month surcharge for K-12 and colleges for 3Gbps CPS	15 entities

We want to congratulate these groups on working together to keep the network costs to a manageable level for the members of Network Nebraska.

As CIO for the State of Nebraska, I am very proud to be associated with this public-private, federated project. Due to the cooperative spirit of Nebraska education entities, we have found a way to work together, share costs, and grow this network to serve over 300,000 Nebraska students. By aggregating Internet demand, we have leveraged one of the lowest unit prices for Internet access in the entire country. We are one of only a small number of education networks completely funded by the participants. In these tough economic times, we all have been able to continue to make advancements in data management technology that improve the security and reliability of the overall network. For this, I commend and thank all of you.

If you have questions or comments about the contents of this memorandum, please contact me at brenda.decker@nebraska.gov or you can reach me at 402-471-3717.

Sincerely,

Brenda L. Decker
Chief Information Officer
State of Nebraska

Attachments

Comprehensive Listing of Network Nebraska—Education Services and Benefits (7/2/2013)

Student Learning Opportunities
- Statewide Clearinghouse and Videoconferencing Scheduling Software (i.e. Renovo)
- High quality exchange of Nebraska K-12 and college video distance learning classes
- High bandwidth Internet2 access to over 50,000 education partners and content providers
- Internet2 programming and virtual museum trips from across the U.S./world
- Host to the new ESUCC/NDE statewide learning object repository
- Participant in the 2013-14 Internet2 InCommon national pilot project for federated identity services

Connectivity/Transport
- Intranet Ethernet connectivity to all 262 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. (state contract purchase)
- 3Gbps Internet2 Commercial Peering Service (NEW for 2013-14) and routing to over 60,000 companies
- Limited co-location rack space at Grand Island, Lincoln, Omaha core locations on a space available basis
- Core router and core infrastructure cost avoidance through the University of Nebraska partnership
- Shared services for up to 12 simultaneous videoconferencing ports over the OCIO MCU bridges
- Development of an outstate dark fiber backbone project partnered with UNCSN (NEW for 2013-14)

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
- Fortinet enterprise Intrusion Prevention Service (NEW for 2013-14)
- 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 (NEW for 2013-14)
- 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) Membership for Internet2
- Establishing the yearly eligibility list for LB1208 Distance Education Incentive Dollars and Equipment Reimbursements
- 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) development and support
- Staff support for the Network Nebraska-Education Advisory Group
- Informational presentations about Network Nebraska, upon request

Network Nebraska—Education Participant Report (Part 1- PUBLIC Entities) July 1, 2013

Neb. Rev. Stat. 86-5,100 (excerpt) Network Nebraska; development and maintenance; access; Chief Information Officer; duties; cost; report.

The Chief Information Officer shall provide access* to each school district, each educational service unit, each community college, each state college, and the University of Nebraska at the earliest feasible date and no later than July 1, 2012. Access may be provided through educational service units or other aggregation points. Participation in Network Nebraska shall not be required for any educational entity.

*Note   "Access" was defined by the Chief Information Officer as the ability to connect via Ethernet to one of the Network Nebraska—Education core aggregation points.

SUMMARY: Network Nebraska—Education PUBLIC K-20 Participants, as of 7/1/2013:
224 of 252* public school districts (*unified districts as separate entities) **(89%)**
16 of 17 Educational Service Units **(94%)**
8 of 8 community colleges (including 2 tribal colleges) **(100%)**
3 of 3 state colleges **(100%)**
1 of 1 University of Nebraska **(100%)**

Network Nebraska—Education Participant Report (Part 2- NON-PUBLIC Entities) July 1, 2013

Neb. Rev. Stat. 86-5,100 (excerpt) Network Nebraska; development and maintenance; access; Chief Information Officer; duties; cost; report.

*The network shall consist of contractual arrangements with providers to meet the demand of state agencies, local governments, **and educational entities** as defined in section 79-1201.01.*

Neb. Rev.Stat. 79-1201.01 (excerpt) Terms, defined.
*3) **Educational entity** means a school district, a private, denominational, or parochial school, an educational service unit, a community college, a state college, the University of Nebraska, or a nonprofit private postsecondary educational institution;*

SUMMARY: Network Nebraska—Education NON-PUBLIC K-20 Participants, as of 7/1/2013:
6 of 213 private, denominational or parochial schools **(3%)**
7 of 14 nonprofit private postsecondary educational institutions **(50%)**

Appendices available upon request from the Office of the CIO, 402-471-7969, tom.rolfes@nebraska.gov :
Appendix A—PUBLIC K-12 Entity Participant List (districts and ESUs)
Appendix B—PUBLIC Higher Education Entity Participant List
Appendix C—PUBLIC K-12 Non-Participant List (districts and ESUs)
Appendix D—PUBLIC Higher Education Non-Participant list

Appendix E—NON-PUBLIC K-12 Participant List
Appendix F—NON-PUBLIC Higher Education Participant List
Appendix G—NON-PUBLIC K-12 Non-Participant list
Appendix H—NON-PUBLIC Higher Education Non-Participant list

Network Nebraska Participation Fee FY2013-14

Date of Last Revision: June 20, 2013 VERSION A: Add Statewide Fortinet and Internet2 Commercial Peering Services

Cost Recovery Period

B	Units	# of Payments Per Year	Price	Cost	Life Cycle	Annualized Cost	FY2013 Subtotals	J
master lease interest rate						2.0%		
Equipment:								
Router -- Grand Island (Year 2 of 5)	0.85	1	$ 126,727	$107,718	5	$22,657	$22,657	NU
Router -- Lincoln (Year 2 of 5)	0.00	1	$ 157,059	$0	5	$0	$0	NU
Router -- Omaha UNMC (Year 2 of 5)	0.80	1	$ 104,515	$83,612	5	$17,586	$17,586	NU
Router -- Omaha 1623 Farnam (Year 2 of 5)	0.85	1	$ 121,208	$103,027	5	$21,670	$21,670	NU
Router -- Omaha UNO/PKI (Year 2 of 5)	0.85	1	$ 99,749	$84,787	5	$17,834	$17,834	NU
Router -- Scottsbluff (Year 2 of 5)	0.50	1	$ 30,628	$15,314	5	$3,221	$3,221	NU
Procera Traffic Shaper - OMA/1623 Farnam (Year 2 of 5)	1	1	$ 51,370	$51,370	5	$10,805	$10,805	NU
Procera Traffic Shaper - LNK (Year 1 of 5)	1	1	$ 89,795	$89,795	5	$18,887	$18,887	NU
Procera Traffic Shaper - LNK 4 GB 07/01/2013 Addl. Bandwidth Upgrade	4	1	$ 5,865	$23,460	1	$23,460	$23,460	NU
Fortinet FG-800C, Includes 1st year maintenance	4	1	$ 8,700	$34,800	5	$7,320	$7,320	NU
Fortinet FA-1000C, Includes 1st year maintenance	1	1	$ 6,900	$6,900	5	$1,451	$1,451	NU
Juniper 4-port 10g Interface card for connectivity	8	1	$ 900	$7,200	1	$7,200	$7,200	NU
10G Optics for connectivity to Juniper	8	1	$ 768	$6,144	1	$6,144	$6,144	NU
10G Optics for connectivity to FG-800Cs	8	1	$ 295	$2,360	1	$2,360	$2,360	NU
1000Base-LX Gigabit Ethernet Optic Module	10	1	$ 333	$3,333	1	$3,333	$3,333	NU
Network Upgrade Project	1	1	$ 13,570	$13,570	1	$13,570	$13,570	NU
MCU -- Shared Service (12 ports @ $372/year)	12	1	$ 372	$4,464	1	$4,464	$4,464	OCIO
Subtotal							$181,961	
Equipment Maintenance:								
Router Maintenance -- Grand Island (Year 2 of 4)	0.85	1	$ 13,367	$11,362	1	$11,362	$11,362	NU
Router Maintenance -- Lincoln (Year 2 of 4)	0.00	1	$ 14,335	$0	1	$0	$0	NU
Router Maintenance -- Omaha UNMC (Year 2 of 4)	0.80	1	$ 11,444	$9,156	1	$9,156	$9,156	NU
Router Maintenance -- Omaha 1623 Farnam (Year 2 of 4)	0.85	1	$ 12,456	$10,588	1	$10,588	$10,588	NU
Router Maintenance -- Omaha UNO/PKI (Year 2 of 4)	0.85	1	$ 13,621	$11,578	1	$11,578	$11,578	NU
Router Maintenance -- Scottsbluff (Year 2 of 4)	0.50	1	$ 9,442	$4,721	1	$4,721	$4,721	NU
Packet Shaper Maintenance - UNO/1623 Farnam	1.00	1	$ 9,245	$9,245	1	$9,245		NU
Packet Shaper Maintenance Update 2 GB 12/21/2012 Addl. - UNO/1623 Farnam	1.00	1	$ 978	$978	1	$978		NU
Packet Shaper Maintenance 9 GB Total 07/01/2013 - UNO/1623 Farnam (PL-87	1.00	1	$ 17,110	$17,110	1	$17,110	$17,110	NU
Packet Reporter Maintenance - Lincoln, NH PL-1200 Reporter	1.00	1	$ 1,990	$1,990	1	$1,990		NU
Fortinet FG-800C Maintenance 2nd year (2014-15) forward	4.00	1	$ 2,700	$10,800	1	$10,800		NU
Fortinet FA-1000C Maintenance 2nd year (2014-15) forward	1.00	1	$ 2,000	$2,000	1	$2,000		NU
Probe Maintenance - Lincoln	0.4	1	$ 11,785	$4,714	1	$4,714	$4,714	NU
Probe Maintenance - Lincoln	0.3	1	$ 4,121	$1,236	1	$1,236	$1,236	NU
Probe Maintenance - UNO/PKI	0.3	1	$ 7,084	$2,125	1	$2,125	$2,125	NU
Proximity Maintenance for CP Access System (5 cameras)	0.5	1	$ 83	$42	1	$42	$42	NU
Lifesize Passport Codec Maintenance (Year 3 of 3)	1	1	$ 820	$820	3	$282	$282	NU
Semi-annual service on Generator at CP	0.5	1	$ 795	$398	1	$398	$398	NU
Subtotal							$73,310	
Software								
Dorado RedCell Purchase (Year 4 of 5)	0.5	1	$ 81,000	$40,500	5	$8,518	$8,518	NU
iWatch System & install to monitor College Park generator	0.5	1	$ 7,332	$3,666	1	$3,666	$3,666	NU
Access Control System Software Upgrade & License	0.5	1	$ 5,407	$2,704	1	$2,704	$2,704	NU
Subtotal							$14,888	
Software Maintenance:								
Ngenious Mgr Maintenance	0.5	1	$ 7,820	$3,910	1	$3,910	$3,910	NU
Stat Seeker Maintenance	0.5	1	$ 5,150	$2,575	1	$2,575	$2,575	NU
Dorado RedCell Maintenance	0.5	1	$ 15,000	$7,500	1	$7,500	$7,500	NU
RedHat Enterprise Linux Software Maintenance	0.5	1	$ 813	$407	1	$407	$407	NU
i.Support Licenses	0.25	1	$ 3,300	$825	1	$825	$825	NU
Keyscan Software K-web for CP	0.5	1	$ 365	$183	1	$183	$183	NU
College Park Camera Software Licensing	0.5	1	$ 99	$50	1	$50	$50	NU
Subtotal							$15,449	
Staff Support -- University of Nebraska								
UNCSN Support Team	1	1	$ 200,000	$200,000	1	$200,000	$200,000	NU
Network Engineer/Team Lead								
Network Engineers (Est. FTE of 2.0)								
Network Operators (24/7)								
Administrative Assistant								
Accountant								
Training	1	1	$ 1,875	$1,875	1	$1,875	$1,875	NU
Travel FY2013	1	1	$ 7,500	$7,500	1	$7,500	$7,500	NU
Subtotal							$209,375	
Staff Support -- Office of the CIO (Network Services)								
Network Services Team (including benefits)	0.05	12	$ 6,230	$3,738	1	$3,738	$3,738	OCIO
Travel/Videoconferencing	1	1	$ 500	$500	1	$500	$500	OCIO
Subtotal							$4,238	
Staff Support -- Nebraska Dept of Ed (E-rate Services)								
State E-rate Coordinator	1	4	$ 4,500	$18,000	1	$18,000	$18,000	NDE
Travel	1	1	$ 500	$500	1	$500	$500	NDE
Subtotal							$18,500	
Other:								
SEGP	1	1	$ 36,000	$36,000	1	$36,000	$36,000	NU
I2 Connectivity 3000Mbps	1	1	$ 20,000	$20,000	1	$20,000	$20,000	NU
Expand wiring closet at G.I. (Year 5 of 5)	0.5	1	$ 15,422	$7,711	5	$1,622	$1,622	NU
VM Servers to run DNS and LDAP Directory Services	2	1	$ 250	$500	1	$500	$500	NU
Traffic Testing Equipment for core aggregation points	5	1	$ 1,700	$8,500	1	$8,500	$8,500	NU
RFC2544 Test Equip- VeEx MX100e Handheld Ethernet Test Set	1	1	$ 5,170	$5,170	1	$5,170	$5,170	NU
Replacement of cabling for Network Nebraska portion of core upgrade	0.67	1	$ 1,043	$699	1	$699	$699	NU
Network Nebraska Toll-Free Number	1	1	$ 433	$433	1	$433	$433	NU
Proximity access system (Year 5 of 5)	0.5	1	$ 11,164	$5,582	5	$1,174	$1,174	NU
Automatic Notification System (WARN)	1	1	$ 600	$600	1	$600	$600	NU
Website Redesign - estimated 50 hours	50	1	$ 50	$2,500	1	$2,500	$2,500	OCIO
Omaha Server Room Expansion (Year 4 of 5)	1	1	$ 20,000	$20,000	5	$4,207	$4,207	NU
Install of additional electric sub-panel at College Park	0.5	1	$ 1,195	$598	1	$598	$598	NU
Subtotal							$82,002	
Sub Total						$624,736	$599,723	
Indirect Cost Allocation (Interregional Transport Fee)	7%	1	$168,487	$11,794	1	$11,794	$11,794	
Indirect Cost Allocation (Internet Access)	7%	1	$321,000	$22,470	1	$22,470	$22,470	
Indirect Cost Allocation (Participation Fee)	7%	1	$599,723	$41,981	1	$41,981	$41,981	
Subtotal							$76,245	
Total						$700,981	$675,968	
Projected Units of Sale						261		
Annual Cost Per Unit						$ 2,589.91		
Monthly Cost Per Unit	12 months					$ 215.83		
Total Projected Revenue						$ 675,968		

NOTE: Major cost considerations for FY 2013-2014 are highlighted in yellow.
NOTE: Changes to amounts given are reflected by red

	A	B	C	D	E	F	G
1	**Network Nebraska Interregional Transport Fee FY 2013-14**					**Cost Recovery Period**	
2							
3	Date of Last Revision: May 15, 2013	Units	# of Payments Per Year	Price	Cost	Life Cycle	Annualized Cost
4							
5	master lease interest rate						**2.0%**
6							
7	**Hardware:**						
8					$0	1	$0
9							
10	**Software:**						
11					$0	1	$0
12							
13	**Labor Costs:**						
14					$0	1	$0
15							
16	**Backbone Transport Circuit Costs (See Footnote)**						
17	Lincoln to Grand Island, 2000Mbps NebraskaLink	1	12	$4,050.00	$48,600.00	1	$ 48,600.00
18	Grand Island to Omaha, 2000Mbps NebraskaLink	1	12	$2,500.00	$30,000.00	1	$ 30,000.00
19	Grand Island to Scottsbluff, 2000Mbps NebraskaLink	1	12	$2,285.00	$27,420.00	1	$ 27,420.00
20	Scottsbluff to Omaha, 2000Mbps NebraskaLink	1	12	$2,500.00	$30,000.00	1	$ 30,000.00
21	Lincoln to Omaha, 2000Mbps State Disaster Recovery Fiber	1	12	$0.00	$0.00	1	$ -
22							
23							
24							
25	**Routing & Aggregation Circuits (See Footnote)**						
26	Omaha, 300Mbps (CenturyLink QMOE)	1	12	$0.00	$0.00	1	$ -
27	Grand Island, 400 Mbps (Charter Business)	1	12	$2,705.62	$32,467.44	1	$ 32,467.44
28							
29	**Other:**						
30							
31							
32	**Total**						**$168,487.44**
33							
34	**Projected Units of Sale**						261
35							
36	**Annual Cost Per Unit (Pre Erate)**						$645.55
37	**Monthly Cost Per Unit (Pre Erate)**						$ 53.80
38	**Net Monthly Cost Per K-12 Unit (Post Erate)**						$ 17.38
39	**Footnote**						
40	Network Costs include NUSF						
41							
42							
43	**FY 2013 E-RATE CALCULATIONS**				Total Units	K-12 Units	H.E. Units
44					261	242	19
45	**Form 471 Certification Results**		3/15/2013	**Cost Recovery Formula**	**Annual**	**Monthly**	**Total**
46	**Total Funding Year pre-cost allocation amount**		$168,487.44	Higher Ed Contributions	$ 645.55	**$ 53.80**	**$ 12,265.37**
47	Total Annual Cost Allocation for Higher Education		$11,909.58				
48	Total Funding Year pre-discount amount		$156,577.86				
49	Total Funding Commitment Request (69%)		**$108,038.72**	E-rate		$ 37.20	**$108,038.72**
50				K-12 (post erate)		**$ 17.38**	$ 48,183.35
51	Total Budgeted Amount allocated to resources not eligible for Erate		$539,136.00	K-12 Contributions			**$156,222.07**
52	Total amount necessary for the applicant to pay the non-discount share		$539,136.00	**TOTAL**			**$168,487.44**
53							
54	**INTERREGIONAL TRANSPORT FEE, 2007-PRESENT**						
55					Total		
56	**Performance Year**		**K-12 Monthly**	**Higher Education Monthly**	**# entities**	**Comments**	
57	2007-08		$ -	$ -	94	(No backbone in service)	
58	2008-09		$ 34.21	$ 93.35	182	(State RFP 1752)	
59	2009-10		$ 34.48	$ 92.72	232		
60	2010-11		$ 36.45	$ 115.78	226	(1 entity, 1 fee structure)	
61	2011-12		$ 31.69	$ 101.09	246		
62	2012-13		$ 18.67	$ 61.28	252	(State RFPs 3827, 3886)	
63	2013-14		$ 17.38	$ 53.80	261		

Statewide Internet Contract Purchases, Contract 51026(04)

Education Entity	Date Received by OCIO	Billed Entity Number	Premise Address	City	NN Aggregation Point	2013-14 Quantity (Mbps)	2013-14 Unit Cost ($/Mbps/month)	2013-14 Monthly Invoice Cost	2013-14 Annual Invoice Cost	2013-14 CPS Unit Cost ($/Mbps/month)	2013-14 Monthly Invoice Cost	2013-14 Annual Invoice Cost
Educational Service Unit 02 (NNNC)	1/25/2013	138244	2320 N. Colorado	Fremont	Omaha	1860	$ 0.7750	$ 1,441.50	$ 17,298.00	$ 0.0700	$ 130.20	$ 1,562.40
Educational Service Unit 05 (SNDLC)	1/8/2013	138331	900 W. Court Street	Beatrice	Omaha	600	$ 0.7750	$ 465.00	$ 5,580.00	$ 0.0700	$ 42.00	$ 504.00
Educational Service Unit 09	1/24/2013	138852	1117 E. South Street	Hastings	G.I.	600	$ 0.7750	$ 465.00	$ 5,580.00	$ 0.0700	$ 42.00	$ 504.00
Educational Service Unit 10 (GNENC)	1/25/2013	138783	76 Plaza Boulevard	Kearney	G.I.	1500	$ 0.7750	$ 1,162.50	$ 13,950.00	$ 0.0700	$ 105.00	$ 1,260.00
Grand Island Public Library	1/24/2013	138719	211 N. Washington Street	Grand Island	G.I.	40	$ 0.7750	$ 31.00	$ 372.00	$ 0.0700	$ 2.80	$ 33.60
Grand Island Public Schools	2/1/2013	138718	123 S. Webb Road	Grand Island	G.I.	500	$ 0.7750	$ 387.50	$ 4,650.00	$ 0.0700	$ 35.00	$ 420.00
Kearney Public Schools	1/29/2013	138779	310 W. 24th Street	Kearney	G.I.	300	$ 0.7750	$ 232.50	$ 2,790.00	$ 0.0700	$ 21.00	$ 252.00
Lexington Public Schools	1/23/2013	138789	300 S. Washington	Lexington	G.I.	300	$ 0.7750	$ 232.50	$ 2,790.00	$ 0.0700	$ 21.00	$ 252.00
Lincoln Public Schools (ESU 18)	1/9/2013	138458	5901 O Street	Lincoln	Lincoln	1000	$ 0.7750	$ 775.00	$ 9,300.00	$ 0.0700	$ 70.00	$ 840.00
McCook Public Schools	2/1/2013	138925	700 W. 7th Street	McCook	G.I.	100	$ 0.7750	$ 77.50	$ 930.00	$ 0.0700	$ 7.00	$ 84.00
North Platte Public Schools	1/22/2013	138971	301 W. F Street	North Platte	G.I.	200	$ 0.7750	$ 155.00	$ 1,860.00	$ 0.0700	$ 14.00	$ 168.00
Omaha Public Schools	2/8/2013	138320	3215 Cuming Street	Omaha	Omaha	1000	$ 0.7750	$ 775.00	$ 9,300.00	$ 0.0700	$ 70.00	$ 840.00
					TOTAL	8000		$ 6,200.00	$ 74,400.00		$ 560.00	$ 6,720.00
					Aggregation- Omaha	5500						
Unite Private Networks	SPIN	143029868			Aggregation- Lincoln	2500						
					Aggregation- Grand Island							
Stuart Howerter	State Contract #51026(04)				TOTAL	8000	$ 2.5000	$ 20,000.00	$ 240,000.00			
stuart.howerter@upnllc.com	$2.80/Mbps if 2000Mbps or greater											
402-802-9750 (office)	$2.75/Mbps if 2500Mbps or greater		**Cost Allocation**			Mbps	Unit Cost	Total Monthly	Annual			
402-617-3544 (mobile)	$2.70/Mbps if 3000Mbps or greater					K-12	$0.7750	$ 6,200.00	$ 74,400.00			
4201 Southgate Blvd	$2.65/Mbps if 3500Mbps or greater		(projected)			E-rate	$1.7250	$ 13,800.00	$ 165,600.00			
Lincoln, NE 68506	$2.60/Mbps if 4000Mbps or greater					H.E./other	$2.5000	$ -	$ -			
	$2.55/Mbps if 4500Mbps or greater					Total	8000	$ 20,000.00	$ 240,000.00			
	$2.50/Mbps if 5000Mbps or greater											
http://das.nebraska.gov/materiel/purchasing/contracts/pdfs/51026(o4)awd.pdf												