

Appendix 2
Nebraska Broadband Availability, Download and Upload Speeds, and Subscription Rates

List of Tables and Figures

Table or Figure	Page
Table 1 Percent Population with Fixed Terrestrial Broadband Available (Does not include satellite or mobile broadband) U.S., Nebraska and Surrounding States (June 2018)	2
Table 2 Percent Population with Broadband of 25/3 Available via Fiber U.S., Nebraska and Surrounding States (June 2018 Form 477 Data)	2
Table 3 Percent Population with Mobile 10/3 Broadband Mbps Available U.S., Nebraska and Neighboring States (December. 2017)	3
Figure 1 Map-Percent of Population with 25/3 Broadband Available Nebraska Counties (June 2018)	4
Figure 2 Map-Percent of Rural Population with 25/3 Broadband Available Nebraska Counties (June 2018)	5
Table 4 Percent Population with 25/3 Mbps Fixed Terrestrial Broadband Available Nebraska Counties (December 2017)	6
Table 5 Percent Population with Broadband of 25/3 via Fiber Available Nebraska Counties (June 2018)	9
Table 6 Average Fixed Upload and Download Speeds United States, Nebraska and Neighboring States (2016 and 2018)	12
Figure 3 Average Fixed Download and Upload Speeds United States, Nebraska and Neighboring States (2018)	12
Table 7 Average Mobile Upload and Download Speeds United States, Nebraska and Neighboring States (2016 and 2018)	13
Table 8 Adoption Rate for Fixed Terrestrial Services United States, Nebraska and Neighboring States (December 2017)	13

Geographic Area	% Population with Broadband	% Rural Population with Broadband	% Tribal Population with Broadband
Colorado	94.5	76.1	51.8
Iowa	91.6	79.6	70.6
Kansas	91.8	74.3	62.1
Missouri	89.0	66.0	--
Nebraska	88.7	62.5	46.3
South Dakota	90.2	78.9	67.7
Wyoming	88.6	70.6	91.38
United States	93.9	75.6	70.3

FCC Broadband Map <https://broadbandmap.fcc.gov>

Table 2
Percent Population with Broadband of 25/3 Available via Fiber
U.S., Nebraska and Surrounding States
 June 2018 Form 477 Data

Geographic Area	% Population with 25/ 3 via Fiber	% Rural Population with 25/3 via Fiber	% Tribal Population with 25/3 via Fiber
Colorado	20.3	11.4	.4
Iowa	28.4	37.5	0
Kansas	34.2	25.4	19.9
Missouri	29.9	17.0	--
Nebraska	25.2	15.5	4.5
South Dakota	31.7	45.3	40.1
Wyoming	13.3	12.7	2.4
United States	33.1	16.5	14.1

FCC Broadband Map <https://broadbandmap.fcc.gov>

Table 3
Percent Population with Mobile 10/3 Mbps Broadband Available
United States, Nebraska and Neighboring States

December 2017

Area	Mobile LTE 10/3 Mbps	Mobile LTE 10/3 Mbps Rural
United States	89.0%	69.3%
Colorado	93.3%	78.8%
Iowa	79.7%	74.3%
Kansas	97.8%	95.3%
Missouri	84.4%	66.1%
Nebraska	83.3%	56.4%
South Dakota	99.5%	97.7%
Wyoming	0.0%	0.0%

2018 FCC Communications Marketplace Report Appendix D-1 available at <https://docs.fcc.gov/public/attachments/FCC-18-181A9.pdf>

Table 4
Percent Population with 25/3 Mbps Fixed Terrestrial Broadband Available
Nebraska Counties
June 2018

Area	All	Rural	Tribal
Adams, NE	93.0	70.3	--
Antelope, NE	61.7	61.7	--
Arthur, NE	75.1	75.1	--
Banner, NE	11.6	11.6	--
Blaine, NE	35.3	35.3	--
Boone, NE	54.5	54.5	--
Box Butte, NE	97.0	88.4	--
Boyd, NE	99.2	99.2	--
Brown, NE	80.2	80.2	--
Buffalo, NE	85.5	64.9	--
Burt, NE	76.3	76.3	100.0
Butler, NE	83.1	75.0	--
Cass, NE	80.8	73.9	--
Cedar, NE	68.1	68.1	--
Chase, NE	84.7	84.7	--
Cherry, NE	61.7	29.0	--
Cheyenne, NE	85.3	62.3	--
Clay, NE	63.2	63.2	--
Colfax, NE	87.8	79.7	--
Cuming, NE	64.6	47.9	1.5
Custer, NE	43.0	17.6	--
Dakota, NE	90.0	74.7	--
Dawes, NE	80.7	71.9	--
Dawson, NE	82.3	34.8	--
Deuel, NE	0.3	0.3	--
Dixon, NE	86.0	86.0	88.0
Dodge, NE	92.7	74.2	--
Douglas, NE	97.9	74.8	--
Dundy, NE	78.6	78.6	--
Fillmore, NE	59.7	59.7	--
Franklin, NE	48.0	48.0	--
Frontier, NE	11.6	11.6	--
Furnas, NE	25.3	25.3	--
Gage, NE	73.6	43.7	--

Area	All	Rural	Tribal
Garden, NE	84.9	84.9	--
Garfield, NE	0.6	0.6	--
Gosper, NE	13.0	13.0	--
Grant, NE	25.4	25.4	--
Greeley, NE	18.7	18.7	--
Hall, NE	94.6	67.9	--
Hamilton, NE	17.8	28.4	--
Harlan, NE	2.6	2.6	--
Hayes, NE	19.0	19.0	--
Hitchcock, NE	33.9	33.9	--
Holt, NE	64.3	45.8	--
Hooker, NE	21.1	21.1	--
Howard, NE	50.8	50.8	--
Jefferson, NE	64.2	29.1	--
Johnson, NE	49.0	49.0	--
Kearney, NE	84.3	71.8	--
Keith, NE	80.4	58.2	--
Keya Paha, NE	96.9	96.9	--
Kimball, NE	91.2	91.2	--
Knox, NE	62.8	62.8	42.0
Lancaster, NE	95.3	59.3	--
Lincoln, NE	86.2	54.8	--
Logan, NE	43.2	43.2	--
Loup, NE	3.3	3.3	--
Madison, NE	89.2	65.5	--
McPherson, NE	43.3	43.3	--
Merrick, NE	81.8	78.9	--
Morrill, NE	80.3	80.3	--
Nance, NE	50.8	50.8	--
Nemaha, NE	73.9	50.7	--
Nuckolls, NE	61.0	61.0	--
Otoe, NE	81.0	65.9	--
Pawnee, NE	54.5	54.5	--
Perkins, NE	57.7	57.7	--
Phelps, NE	81.3	56.3	--
Pierce, NE	72.4	72.4	--
Platte, NE	86.3	58.0	--
Polk, NE	82.0	82.0	--

Area	All	Rural	Tribal
Red Willow, NE	82.8	48.8	--
Richardson, NE	92.1	84.7	100.0
Rock, NE	78.8	78.8	--
Saline, NE	86.8	74.8	--
Sarpy, NE	94.8	80.8	--
Saunders, NE	78.7	68.2	--
Scotts Bluff, NE	98.5	95.0	--
Seward, NE	86.0	77.4	--
Sheridan, NE	61.3	61.3	100.0
Sherman, NE	43.3	43.3	--
Sioux, NE	76.6	76.6	--
Stanton, NE	81.4	79.4	--
Thayer, NE	66.8	66.8	--
Thomas, NE	32.7	32.7	--
Thurston, NE	46.7	46.7	46.7
Valley, NE	51.8	51.8	--
Washington, NE	84.0	74.3	--
Wayne, NE	72.8	45.6	--
Webster, NE	85.8	85.8	--
Wheeler, NE	52.0	52.0	--
York, NE	88.0	74.0	--

FCC Broadband Map <https://broadbandmap.fcc.gov>

Table 5
Percent Population with Broadband of 25/3 via Fiber Available
Nebraska Counties
June 2018

Area	All	Urban	Rural	Tribal
Adams, NE	70.2	77.4	46.9	--
Antelope, NE	18.1	--	18.1	--
Arthur, NE	75.1	--	75.1	--
Banner, NE	0.0	--	0.0	--
Blaine, NE	33.8	--	33.8	--
Boone, NE	1.9	--	1.9	--
Box Butte, NE	87.5	91.8	75.1	--
Boyd, NE	99.2	--	99.2	--
Brown, NE	26.2	--	26.2	--
Buffalo, NE	9.8	12.9	4.2	--
Burt, NE	19.5	--	19.5	100.0
Butler, NE	8.3	0.0	12.3	--
Cass, NE	13.9	0.0	19.0	--
Cedar, NE	42.2	--	42.2	--
Chase, NE	18.8	--	18.8	--
Cherry, NE	12.0	0.0	22.3	--
Cheyenne, NE	0.1	0.1	0.0	--
Clay, NE	4.3	--	4.3	--
Colfax, NE	0.0	0.0	0.0	--
Cuming, NE	11.8	35.3	0.0	0.0
Custer, NE	1.3	0.0	1.9	--
Dakota, NE	33.6	33.1	35.5	--
Dawes, NE	16.4	0.0	40.3	--
Dawson, NE	35.3	46.5	5.4	--
Deuel, NE	0.0	--	0.0	--
Dixon, NE	44.9	--	44.9	0.0
Dodge, NE	14.1	11.2	22.4	--
Douglas, NE	31.6	32.0	14.5	--
Dundy, NE	78.5	--	78.5	--
Fillmore, NE	4.1	--	4.1	--
Franklin, NE	34.8	--	34.8	--
Frontier, NE	11.2	--	11.2	--
Furnas, NE	25.3	--	25.3	--
Gage, NE	0.1	0.0	0.1	--

Area	All	Rural	Tribal	Area
Garden, NE	2.5	--	2.5	--
Garfield, NE	0.0	--	0.0	--
Gosper, NE	0.0	--	0.0	--
Grant, NE	22.8	--	22.8	--
Greeley, NE	0.0	--	0.0	--
Hall, NE	1.5	1.7	0.6	--
Hamilton, NE	11.0	6.4	15.3	--
Harlan, NE	0.5	--	0.5	--
Hayes, NE	15.9	--	15.9	--
Hitchcock, NE	33.7	--	33.7	--
Holt, NE	29.6	36.3	26.1	--
Hooker, NE	20.0	--	20.0	--
Howard, NE	0.1	--	0.1	--
Jefferson, NE	0.0	0.0	0.0	--
Johnson, NE	0.0	--	0.0	--
Kearney, NE	35.3	55.4	19.1	--
Keith, NE	66.6	98.8	30.0	--
Keya Paha, NE	96.9	--	96.9	--
Kimball, NE	0.0	--	0.0	--
Knox, NE	11.9	--	11.9	0.3
Lancaster, NE	27.0	29.0	10.7	--
Lincoln, NE	78.5	96.6	37.5	--
Logan, NE	0.3	--	0.3	--
Loup, NE	3.3	--	3.3	--
Madison, NE	2.8	1.7	5.3	--
McPherson, NE	22.9	--	22.9	--
Merrick, NE	10.3	0.0	17.1	--
Morrill, NE	28.2	--	28.2	--
Nance, NE	0.6	--	0.6	--
Nemaha, NE	48.5	99.1	3.2	--
Nuckolls, NE	35.3	--	35.3	--
Otoe, NE	54.7	99.4	19.3	--
Pawnee, NE	4.2	--	4.2	--
Perkins, NE	0.2	--	0.2	--
Phelps, NE	20.4	16.0	26.5	--
Pierce, NE	29.1	--	29.1	--
Platte, NE	1.5	2.1	0.2	--
Polk, NE	1.1	--	1.1	--

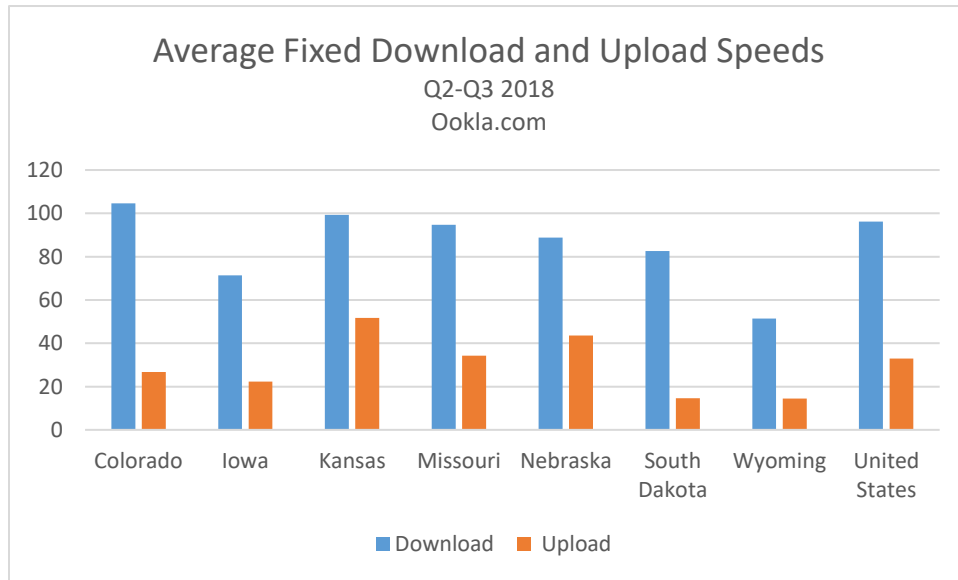
Area	All	Rural	Tribal	Area
Red Willow, NE	7.2	0.3	22.0	--
Richardson, NE	79.5	100.0	60.3	100.0
Rock, NE	9.6	--	9.6	--
Saline, NE	0.0	0.0	0.0	--
Sarpy, NE	15.4	15.8	10.7	--
Saunders, NE	13.2	0.0	19.7	--
Scotts Bluff, NE	72.1	98.0	13.7	--
Seward, NE	6.6	4.7	7.9	--
Sheridan, NE	6.7	--	6.7	100.0
Sherman, NE	0.0	--	0.0	--
Sioux, NE	9.2	--	9.2	--
Stanton, NE	42.6	0.0	56.3	--
Thayer, NE	0.0	--	0.0	--
Thomas, NE	31.6	--	31.6	--
Thurston, NE	3.1	--	3.1	3.1
Valley, NE	0.0	--	0.0	--
Washington, NE	5.0	5.7	4.7	--
Wayne, NE	10.5	0.0	20.9	--
Webster, NE	49.2	--	49.2	--
Wheeler, NE	52.0	--	52.0	--
York, NE	10.1	0.0	22.1	--

Table 6
Average Fixed Upload and Download Speeds
United States, Nebraska and Neighboring States
2016 and 2018

Area	2016 Download	2018 Download	2016 Upload	2018 Upload
Colorado	53.23	104.63	17.02	26.79
Iowa	35.84	71.39	10.27	22.34
Kansas	81.67	99.34	54.07	51.68
Missouri	62.10	94.64	27.78	34.33
Nebraska	34.21	88.74	11.26	43.57
South Dakota	45.05	82.65	10.96	14.54
Wyoming	32.19	51.34	10.37	14.44
United States	54.97	96.25	18.88	32.88

2016 and 2018 Ookla speed test reports available at <https://www.speedtest.net/reports/united-states/2016/>;
<https://www.speedtest.net/reports/united-states/2018/fixed/>.

Figure 3
Average Fixed Download and Upload Speeds
United States, Nebraska and Neighboring States
2018



2018 Ookla Speed Tests available at <https://www.speedtest.net/reports/united-states/2018/fixed/>.

Table 7
Average Mobile Upload and Download Speeds
United States, Nebraska and Neighboring States
2016 and 2018

Area	2016 Download	2018 Download	2016 Upload	2018 Upload
Colorado	13.31	26.44	5.67	7.01
Iowa	18.55	19.56	7.45	8.33
Kansas	19.14	29.56	6.33	7.94
Missouri	18.17	27.99	6.37	7.87
Nebraska	16.83	20.84	6.75	7.72
South Dakota	20.59	24.73	8.05	10.33
Wyoming	9.47	14.28	3.18	4.77
United States	19.61	27.33	7.94	8.63

2016 and 2018 Ookla speed test reports available at <https://www.speedtest.net/reports/united-states/2016/>;
<https://www.speedtest.net/reports/united-states/2018/mobile/>

Table 8
Adoption Rate for Fixed Terrestrial Services
United States, Nebraska and Neighboring States
December 2017

Area	Adoption Rate at least 25 Mbps Down	Adoption Rate at Least 100 Mbps Down
Colorado	67.8%	28.1%
Iowa	46.3%	17.2%
Kansas	46.1%	27.3%
Missouri	47.0%	19.9%
Nebraska	51.2%	29.4%
South Dakota	64.4%	8.8%
Wyoming	55.3%	11.3%
United States	59.8%	29.4%

2018 FCC Communications Marketplace Report, Appendix D-8 available at <https://docs.fcc.gov/public/attachments/FCC-18-181A9.pdf>