

**Appendix 7**

**Broadband Coverage in ILEC Territories by Any Provider – Area (Square Miles) and Households (HH) as of June 2018**

<b>Carrier</b>	<b>Total Area of Rural Census Blocks</b>	<b>Total Rural HH in Census Blocks</b>	<b>Area Covered by 25/3</b>	<b>HH covered by 25/3</b>	<b>HH not covered by 25/3</b>	<b>% Area - 25/3</b>	<b>% HH - 25/3</b>
Windstream	10,062	28,206	2,374	10,875	17,331	24%	39%
Centurylink - UTC of the West and Qwest/Centurylink	23,757	46,377	9,315	31,383	14,994	39%	68%
Great Plains Comm.	17,187	11,417	3,850	2,486	8,931	22%	22%
Frontier (Citizens)	5,337	9,271	925	3,889	5,382	17%	42%
Nebraska Central Tel. Co. <sup>2</sup>	4,091	3,431	366	266	3,165	9%	8%
Consolidated Companies	11,098	2,907	4,262	821	2,086	38%	28%
American Broadband	2,256	4,112	1,067	2,215	1,897	47%	54%
Hamilton Telephone Company <sup>1</sup>	658	1,417	65	129	1,288	10%	9%
ATC Comm. (Arapahoe)	1,351	897	241	150	747	18%	17%
Pierce Tel. Co., Inc.	355	864	83	265	599	23%	31%
Dalton/Elsie Telephone Co.	2,092	724	479	184	540	23%	25%
Diller Tel. Co. (Diode Comm.)	300	467	5	7	460	2%	1%
Cozad Telephone Company	254	494	13	43	451	5%	9%
Hershey Cooperative Tel. Co.	346	462	28	119	343	8%	26%
Hooper Tel. Co. (WesTel Systems)	211	553	119	296	257	56%	54%
BW Telecom (Benkelman/Hartman/Wauneta)	1,614	644	927	432	212	57%	67%
K&M Telephone Co.	1,053	396	568	217	179	54%	55%
Northeast Nebraska Tel. Co. (including Clarks)	3,546	3,935	3,362	3,835	100	95%	97%
Sodtown Tel. Co.	79	94	1	0	94	1%	0%
Glenwood Network Services	980	483	699	430	53	71%	89%
Cambridge Tel. Co.	459	274	309	222	52	67%	81%
Glenwood Tel. Mem. Corp.	1,083	1,215	1,067	1,192	23	99%	98%
Three River Tel. Co.	1,749	589	1,692	581	8	97%	99%
Southeast Nebraska Tel. Co.	419	703	407	696	7	97%	99%
Henderson Cooperative Tel. Co.	121	250	117	244	6	97%	98%
Hemingford Cooperative Tel. Co. (Mobius)	1,092	361	1,052	356	5	96%	99%
Stanton Telecom, Inc.	202	350	199	346	4	99%	99%
Plainview Telephone	225	306	222	303	3	99%	99%
Hartington Telecomm. Co., Inc.	204	440	202	439	1	99%	100%
<b>Total</b>	<b>92,181</b>	<b>121,639</b>	<b>34,015</b>	<b>62,421</b>	<b>59,218</b>	<b>37%</b>	<b>51%</b>
<sup>1</sup> In their comments filed September 16, 2019, Hamilton indicated that 100% of their residents have access to 25/3 Mbps speeds							
<sup>2</sup> In their comments filed September 17, 2019, Nebraska Central indicated that they can provide 25/3 Mbps service to 1,584 of 4,374 rural households in their territory							

## Notes and Methodology

- Broadband coverage data reported in this table was derived from FCC Form 477 data. The most recent version available at the time the table was compiled reflected deployments as of June 30, 2018. FCC Form 477 data is reported on a census block level, and involves self-reported information from carriers.
- Household information was derived from 2010 US Census data.
- The table analyzes the extent to which 25 Mbps download/ 3 Mbps upload speeds have been deployed within an incumbent local exchange carrier's (ILEC's) rural, incumbent territory, by **any** FCC Form 477-reporting carrier, including fixed wireless providers.
- For this analysis, census blocks that overlap into multiple ILEC territories were included in both (or all, if a block covered more than 2 companies) companies' data. This is a clear source of error, and in some cases, may lead to overstating the availability of broadband. This issue highlights one of the limitations of using census block-level data; a more complete analysis of the limitations of FCC Form 477 data is included in the report from the Data Subcommittee.
- This appendix was developed as part of the NUSF Subcommittee report. As such, the definition of rural used for this analysis is the definition developed by the PSC for the NUSF. Census blocks from the 2010 US Census were considered rural if:
  - o Block had fewer than 20 households and less than 42 households per square mile
  - o Block was not classified as within a city or village
  - o Block was not within census-designated city limits
- Methodology:
  - o 1. For each ILEC company, all 2010 census blocks that were completely or partially within the exchange boundaries of the company were selected.
  - o 2. All census blocks classified as urban were removed from the analysis
  - o 3. The number of households and the overall area of the remaining census blocks were input as the total rural area and households in Appendix 7
  - o 4. Form 477 data from June 30, 2018 was used to select from each of those areas only those blocks where **any** carrier had reported deployment of services that were 25/3 Mbps down/up or greater. The number of households and total area of those remaining blocks were summed and included in Appendix 7.