

APPENDIX – Lincoln County Assessment

TABLE 1 The following table is from Section 1 – Module 1: Community Priorities (page 6)

Internet Use	WA	US
Percent of adults using the internet for audio	22.4%	20.2%
Percent of adults using the internet for e-commerce	31.9%	27.2%
Percent of adults using the internet for education or training	8.7%	7.9%
Percent of adults using the internet for email	38.4%	35.9%
Percent of adults using the internet for financial applications	29.2%	25.6%
Percent of adults using the internet for IOT	3.4%	2.7%
Percent of adults using the internet for job search	10.6%	10.1%
Percent of adults using the internet for medical communications	16.4%	10.7%
Percent of adults using the internet for medical information	22.7%	19.3%
Percent of adults using the internet for medical monitoring	3.1%	2.3%
Percent of adults using the internet for maps and GPS	30.7%	27.9%
Percent of adults using the internet for social media	30.1%	26.9%
Percent of adults using the internet for teleconferencing	17.6%	14%
Percent of adults using the internet for telework	9.1%	8.7%
Percent of adults using the internet for messaging	34.3%	33.3%
Percent of adults using the internet for video	28.5%	25.5%
Percent of adults using the internet for browsing	38.2%	35.4%

Source: U.S. Census Digital Nation Supplement to Current Population Survey with additional Internet questions – July 2015.

TABLE 2 The following table is from Section 2 – Module 1: Residential ISPs by Speed Tier (page 14)

Service Provider	Advertised Download/Upload Speeds
Telephone and Data Systems, Inc.	Under 4/1
VSAT Systems, LLC	Under 4/1
ViaSat, Inc.	4/1
CenturyLink, Inc.	10/1
dishNET Holding, L.L.C.	10/1
Hughes Network Systems	10/1
Odessa Office Equipment	25/3
StarTouch Broadband	25/3
Wired or Wireless, Inc.	25/3

Source: [Form 477 data](#), submitted to the Federal Communications Commission by Internet Service Providers – June, 2016 data.

Providers submit data on census blocks served, technology type, and advertised upload and download speeds. Based on FCC reporting requirements, a block is considered served if the provider offers service to at least one household in that block. For this table, we group the offered speeds into the following tiers:

- **Less than 4/1** – Services with advertised maximum speeds of less than 4 Mbps download or 1 Mbps upload
- **4/1** -Services with advertised maximum speeds of at least 4 Mbps download and 1 Mbps upload, but less than 10 Mbps download and 1 Mbps upload
- **10/3** – Services with advertised maximum speeds of at least 10 Mbps download and 1 Mbps upload, but less than 25 Mbps download and 3 Mbps upload
- **25/3** – Services with advertised maximum speeds of at least 25 Mbps upload and 3 Mbps download, but less than 100 Mbps download and 10 Mbps upload
- **10/10** – Services with advertised speeds of at least 10 Mbps download and upload symmetrical, but less than 100 Mbps download and 10 Mbps upload
- **100/10** – Services with advertised speed of at least 100 Mbps download and 10 Mbps upload

TABLE 3 The following table is from Section 2 – Module 1: Residential ISPs by Technology (page 14)

Provider	Technology	Blocks served
CenturyLink, Inc.	aDSL	927
dishNET Holding, L.L.C.	Satellite	54
Hughes Network Systems	Satellite	3046
Odessa Office Equipment	Fixed Wireless	2309
StarTouch Broadband	Fixed Wireless	3126
Telephone and Data Systems, Inc.	Fixed Wireless	654
ViaSat, Inc.	Satellite	3126
VSAT Systems, LLC	Satellite	3046
Wired or Wireless, Inc.	Fixed Wireless	2273

Source: Form 477 data, submitted to the Federal Communications Commission by Internet Service Providers – June 2016.

Many areas of the country have one or two satellite providers that serve all census blocks. ‘Blocks served’ indicates that service is available in a specific census block; it does not indicate that service is available in the entire block.

TABLE 4 The following table is from Section 2 – Module 1: Business ISPs by Speed Tier (page 14)

Provider Name	Contracted Speed (up/down)
CenturyLink, Inc.	Under 4/1
General Communication, Inc.	Under 4/1
Integra Telecom Holdings, Inc.	Under 4/1
VSAT Systems, LLC	Under 4/1
XO Holdings, Inc.	Under 4/1
Hughes Network Systems	10/1
Odessa Office Equipment	25/3
Wired or Wireless, Inc.	25/3

Northwest Open Access Network	100/10
StarTouch Broadband	100/10

Source: [Form 477 data](#), submitted to the Federal Communications Commission by Internet Service Providers – June, 2016.

Providers submit data on census blocks served, technology type, and advertised upload and download speeds. Based on FCC reporting requirements, a block is considered served if the provider offers service to at least one business in that block. For this table, we group the offered speeds into the following tiers:

- **Less than 4/1** – Services with advertised maximum speeds of less than 4 Mbps download or 1 Mbps upload
- **4/1** -Services with contracted maximum speeds of at least 4 Mbps download and 1 Mbps upload, but less than 10 Mbps download and 1 Mbps upload
- **10/3** – Services with contracted maximum speeds of at least 10 Mbps download and 1 Mbps upload, but less than 25 Mbps download and 3 Mbps upload
- **25/3** – Services with contracted maximum speeds of at least 25 Mbps upload and 3 Mbps download, but less than 100 Mbps download and 10 Mbps upload
- **10/10** – Services with contracted speeds of at least 10 Mbps download and upload symmetrical, but less than 100 Mbps download and 10 Mbps upload
- **100/10** – Services with contracted speed of at least 100 Mbps download and 10 Mbps upload

Business ISPs serving your area by technology

TABLE 5 The following table is from Section 2 – Module 1: Business ISPs by Technology (page 6)

Provider	Technology	Blocks served
CenturyLink, Inc.	aDSL	927
General Communication, Inc.	Satellite	3046
Hughes Network Systems	Satellite	3046
Integra Telecom Holdings, Inc.	Other	2
Northwest Open Access Network	Fiber	4
Odessa Office Equipment	Fixed Wireless	2309
StarTouch Broadband	Fixed Wireless	3126
VSAT Systems, LLC	Satellite	3046
Wired or Wireless, Inc.	Fixed Wireless	2273
XO Holdings, Inc.	Other	2

Source: Form 477 data, submitted to the Federal Communications Commission by Internet Service Providers – June 2016.

Many areas of the country have one or two satellite providers that serve all census blocks. ‘Blocks served’ indicates that service is available in a specific census block; it does not indicate that service is available in the entire block.

TABLE 6 The following table is from Section 2 – Module 1: Residential Service Priorities (page 15)

Most Important Aspect for Home Internet Service	WA	US
Internet service speed	24.3%	28.8%
Reliability of Internet service	41.1%	37.6%
Affordability	28%	26.2%
Customer service or technical support	1.5%	1.8%
Mobility or ability to use service outside the home	1%	1.8%
Monthly data limits	0.9%	1.5%
Some other factor	3.3%	2.3%

Source: U.S. Census Digital Nation Supplement to Current Population Survey with additional Internet questions – July 2015.

Digital Nation data is statistically valid at the state and national level. You can look at neighboring states or trends over time using the [NTIA Digital Nation Data Explorer](#).

TABLE 7 The following table is from Section 2 – Module 3: Residential Providers (page 21)

Provider	Technology	Blocks served
CenturyLink, Inc.	aDSL	927
dishNET Holding, L.L.C.	Satellite	54
Hughes Network Systems	Satellite	3046
Odessa Office Equipment	Fixed Wireless	2309
StarTouch Broadband	Fixed Wireless	3126
Telephone and Data Systems, Inc.	Fixed Wireless	654
ViaSat, Inc.	Satellite	3126

VSAT Systems, LLC	Satellite	3046
Wired or Wireless, Inc.	Fixed Wireless	2273

Source: Form 477 data, submitted to the Federal Communications Commission by Internet Service Providers – June, 2016.

'Blocks served' indicates that service is available in a specific census block; it does not indicate that service is available in the entire block.

TABLE 8 The following table is from Section 2 – Module 3: Business Providers (page 21)

Provider	Technology	Blocks served
CenturyLink, Inc.	aDSL	927
General Communication, Inc.	Satellite	3046
Hughes Network Systems	Satellite	3046
Integra Telecom Holdings, Inc.	Other	2
Northwest Open Access Network	Fiber	4
Odessa Office Equipment	Fixed Wireless	2309
StarTouch Broadband	Fixed Wireless	3126
VSAT Systems, LLC	Satellite	3046
Wired or Wireless, Inc.	Fixed Wireless	2273
XO Holdings, Inc.	Other	2

Source: Form 477 data, submitted to the Federal Communications Commission by Internet Service Providers – June, 2016.

'Blocks served' indicates that service is available in a specific census block; it does not indicate that service is available in the entire block.

TABLE 9 The following table is from Section 3 – Module 1: Adult Internet Use, Any Location (page 27)

Use of Internet (People ages 15 or older)	WA	US
Percent of adults using the Internet somewhere	81%	76.3%
Percent of adults using the Internet at home	74.7%	70.4%
Percent of adults using the Internet at work	35.9%	32.9%
Percent of adults using the Internet at a third place	56.2%	47.5%
Percent of adults using the Internet at work	35.9%	32.9%
Percent of adults using the Internet at a third place	56.2%	47.5%

TABLE 10 The following table is from Section 3 – Module 1: Student Internet Use, Any Location (page 27)

Use of Internet (Pre-school and school age children, at home and school)	WA	US
Percent of school-age children using the Internet at school	49.3%	49%
Percent of school-age children using the Internet at home	67.8%	60%
Percent of pre-school children using the Internet at home	46.4%	40.7%
Percent of pre-school children using the Internet at school	8.3%	17%

Source: U.S. Census Digital Nation Supplement to Current Population Survey with additional Internet questions – July 2015.

The above table shows *where* people use the Internet. Use the [NTIA Digital Nation Data Explorer](#) to explore how these measures have changed over time or to look at how the figures vary in specific demographics such as sex, age, income, education, race and ethnicity, or geography. Digital Nation data is statistically valid at the state and national level.

TABLE 11 The following table is from Section 3 – Module 1: Home Adoption Barriers (page 28)

Barriers to Home Broadband Adoption	WA	US
Barrier: Too expensive (percent)	40.4%	39.5%
Barrier: Not needed or interested (percent)	37.8%	35.8%
Barrier: No or inadequate computer (percent)	14.3%	13.3%
Barrier: Can use elsewhere (percent)	5.7%	6.9%
Barrier: Not available in area (percent)	5.8%	3.6%

Barrier: Privacy or security concerns (percent)	0%	2.3%
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Source: U.S. Census Digital Nation Supplement to Current Population Survey with additional Internet questions – July 2015.

This table shows the barriers generally cited for not having broadband at home. Use the NTIA Digital Nation Data Explorer to explore how these measures have changed over time or to look at how the figures vary in specific demographics such as sex, age, income, education, race and ethnicity, or geography. Digital Nation data is statistically valid at the state and national level.

TABLE 12 The following table is from Section 3 – Module 1: Non-Users (page 28)

People Not Using the Internet	WA	US
Percent of adults not using the Internet somewhere	19%	23.7%
Percent of adults not using the Internet at home	25.3%	29.6%
People 15 or over with HS degree or less who do not use the Internet	30.8%	38.5%
People 15 or over with a disability who do not use the Internet	30.5%	35.2%
People 65 or older who do not use the Internet	35.8%	43.8%

Source: U.S. Census Digital Nation Supplement to Current Population Survey with additional Internet questions – July, 2015.

This table shows which demographic groups in your community are not using use the Internet. Use the NTIA Digital Nation Data Explorer to explore how these measures have changed over time or to look at how the figures vary in specific demographics such as sex, age, income, education, race and ethnicity, or geography. Digital Nation data is statistically valid at the state and national level.

TABLE 13 The following table is from Section 3 – Module 1: Non-Subscribing Households (page 28)

Households that Don't Subscribe to the Internet	WA	US
Households not using the Internet	593,679	33,426,581
Households with income less than \$25K with no Internet at home	8.3%	12%
Households outside metropolitan area without Internet at home	4.2%	5%
School-age children not using the Internet at home (percent)	32.2%	40%

Source: U.S. Census Digital Nation Supplement to Current Population Survey with additional Internet questions – July 2015.

This table shows variations in home broadband adoption based on household-level demographics. Use the NTIA Digital Nation Data Explorer to explore how these measures have changed over time or to look

at how the figures vary according to income level and other demographics. Digital Nation data is statistically valid at the state and national level.

TABLE 14 The following table is from Section 3 – Module 4: Device Ownership (page 32)

Device ownership by household	WA	US
Percent of households having a mobile phone	83.1%	81.5%
Percent of households having a laptop	60.9%	57.6%
Percent of households having a desktop	48.2%	43.7%
Percent of households having a tablet	42.5%	38.4%
Percent of households having a tv box	38.6%	31.3%
Percent of households having a wearable	3.4%	2.4%

Source: U.S. Census Digital Nation Supplement to Current Population Survey with additional Internet questions – July, 2015.

This table shows the type of Internet-enabled devices that Americans have in their homes. Use the NTIA Digital Nation Data Explorer to explore how these measures have changed over time or to look at how the figures vary in specific demographics such as sex, age, income, education, race and ethnicity, or geography. Digital Nation data is statistically valid at the state and national level.