



DEPARTMENT OF JUSTICE  
GENERAL COUNSEL DIVISION

December 22, 2014

Allan Arlow  
Administrative Law Judge  
Public Utility Commission of Oregon  
PO Box 1088  
Salem, OR 97308-1088

RE: UM 1481 Staff investigation of the Oregon Universal Service Fund – Joint Report

Dear ALJ Arlow,

In the Public Utility Commission of Oregon (Commission) Order No. 14-113, the Commission ordered the administrative law judge to direct the parties in Docket No. UM 1481 to jointly prepare and submit a report, no later than December 1, 2014, that addresses the status of broadband availability in rural telephone exchange service areas.

On May 5, 2014, you issued a bench request requiring the parties to provide to the Commission Staff information in their possession as it related to the bench request no later than June 6, 2014. On May 8, 2014, a clarification was added that specified “the parties should use the FCC’s Tier 4 downstream transmission rate, 3.0 Mbps to 6.0 Mbps, and all faster speeds in calculating the availability of broadband access.”

On October 27, 2014, you issued a memorandum ruling specifying that the contents of the broadband report “should be limited to rural broadband availability. Consequently, data about the market penetration or ‘take rate’ of ILEC and competitive broadband services submitted under the May 5, 2014, bench request need not be included in the report. Similarly, no data need be included with respect to basic telephony services offered by non-ILECs in rural exchanges.”

The October 27, 2014 memorandum ruling stated that the joint report should contain the following information:

A list of all OUSF-supported exchanges and, for each exchange, the following:

- a. The ILEC receiving that OUSF support;
- b. The monthly basic telephone rate for that exchange computed with the same elements as the benchmark rate;
- c. The number of residential customers and the number of business customers;

- d. The percentage of residential customers and the percentage of business customers that have broadband access available from their ILEC.;
- e. The advertised maximum and typical download speeds of broadband services offered by the ILEC;
- f. The number of residential customers and the number of business customers that have access to land-based competitive broadband services; and
- g. The number of residential customers and the number of business customers that have access to radio-based competitive broadband services.

On November 25, 2014, a ruling was issued extending the report due date to December 22, 2014. The active parties to Phase III of UM 1481 hereby submit this jointly prepared report on the status of broadband availability in rural telephone exchange service areas.

Sincerely,



Jason W. Jones  
Assistant Attorney General  
Business Activities Section

cc: Service List  
Enclosure – Joint Report  
JWJ;jwj/6112536

1 **CERTIFICATE OF SERVICE**

2 I certify that on December 22, 2014, I served the foregoing Report and Cover Letter upon  
3 the parties in this proceeding by electronic mail only as all the parties waive paper service.

4 **W**  
CHARLES L BEST (C)  
ATTORNEY AT LAW  
5 1631 NE BROADWAY #538  
PORTLAND OR 97232-1425  
6 charlesbestlaw@q.com

7 **W**  
**AT&T**  
CYNTHIA MANHEIM  
8 PO BOX 97061  
REDMOND WA 98052  
9 cm9268@att.com

10 **W**  
**AT&T SERVICES INC**  
DAVID COLLIER  
11 AREA MANAGER-REGULATORY RELATIONS  
645 E PLUMB LNM RN C-142  
12 PO BOX 11010  
RENO NV 89502  
13 david.collier@att.com

14 **W**  
**AT&T SERVICES, INC.**  
SHARON L MULLIN  
15 DIRECTOR--EXTERNAL AFFAIRS  
2003 POINT BLUFF  
16 AUSTIN TX 78746-6236  
slmullin@att.com

17 **W**  
**ATER WYNNE LLP**  
18 ARTHUR A BUTLER (C)  
601 UNION STREET, STE 1501  
19 SEATTLE WA 98101-3981  
aab@aterwynne.com

20 BRENDA S MOLNER  
601 UNION ST., STE 1501  
21 SEATTLE WA 98101  
bsm@aterwynne.com

22 **W**  
**CENTURYLINK**  
23 RON L TRULLINGER (C)  
MANAGER - OREGON REGULATORY  
24 310 SW PARK AVE 11TH FL  
PORTLAND OR 97205  
25 ron.trullinger@centurylink.com

**W**  
**CENTURYLINK, INC.**  
WILLIAM E HENDRICKS (C)  
ATTORNEY  
902 WASCO ST A0412  
HOOD RIVER OR 97031  
tre.hendricks@centurylink.com

**W**  
**CITIZENS' UTILITY BOARD OF OREGON**  
OPUC DOCKETS  
610 SW BROADWAY, STE 400  
PORTLAND OR 97205  
dockets@oregoncub.org

ROBERT JENKS  
610 SW BROADWAY, STE 400  
PORTLAND OR 97205  
bob@oregoncub.org

G. CATRIONA MCCrackEN (C)  
610 SW BROADWAY, STE 400  
PORTLAND OR 97205  
catriona@oregoncub.org

**W**  
**COMCAST BUSINESS COMMUNICATIONS LLC**  
DOUG COOLEY  
1710 SALEM INDUSTRIAL DRIVE NE  
SALEM OR 97303  
doug\_cooley@cable.comcast.com

**W**  
**COMSPAN COMMUNICATIONS INC**  
TIM SPANNRING  
278 NW GARDEN VALLEY BLVD  
ROSEBURG OR 97470  
tims@comspancomm.com

**W**  
**DAVIS WRIGHT TERMAINE LLP**  
ALAN J GALLOWAY (C)  
1300 SW FIFTH AVENUE  
PORTLAND OR 97201-5630  
alangalloway@dwt.com

**W**  
**DAVIS WRIGHT TREMAINE LLP**  
MARK P TRINCHERO (C)  
1300 SW FIFTH AVE STE 2300  
PORTLAND OR 97201-5682  
marktrnchero@dwt.com

1 **W**  
**EMBARQ COMMUNICATIONS INC**  
2 BARBARA YOUNG (C)  
902 WASCO ST - ORHRA0412  
3 HOOD RIVER OR 97031-3105  
barbara.c.young@centurylink.com

4 **W**  
**FRONTIER COMMUNICATIONS NORTHWEST**  
5 GEORGE BAKER THOMSON  
1800 41ST ST  
6 EVERETT WA 98201  
george.thomson@ftr.com

7 RENEE WILLER (C)  
20575 NW VON NEUMANN DR  
8 SUITE 150  
BEAVERTON OR 97006\_6982  
9 renee.willer@ftr.com

10 **W**  
**GVNW CONSULTING**  
11 KEN SNOW  
PO BOX 2330  
TUALATIN OR 97062  
12 ksnow@gvnw.com

13 **W**  
**GVNW CONSULTING INC**  
14 JIM RENNARD (C)  
PO BOX 2330  
TUALATIN OR 97062  
15 jrennard@gvnw.com

16 JEFFRY H SMITH (C)  
PO BOX 2330  
TUALATIN OR 97062  
17 jsmith@gvnw.com

18 **W**  
**INTEGRA TELECOM OF OREGON INC**  
19 DOUGLAS K DENNEY (C)  
18110 SE 34TH, BLDG. ONE  
VANCOUVER WA 98683-9497  
20 dkdenney@integratelecom.com

21 **W**  
**LAW OFFICE OF RICHARD A FINNIGAN**  
22 RICHARD A FINNIGAN (C)  
2112 BLACK LAKE BLVD SW  
OLYMPIA WA 98512  
23 rickfinn@localaccess.com

24 **W**  
**MCDOWELL RACKNER & GIBSON PC**  
25 ADAM LOWNEY (C)  
419 SW 11TH AVE, STE 400  
PORTLAND OR 97205  
26 adam@mcd-law.com

**W**  
**MCDOWELL RACKNER & GIBSON PC**  
LISA F RACKNER (C)  
419 SW 11TH AVE., SUITE 400  
PORTLAND OR 97205  
dockets@mcd-law.com

**W**  
**OCTA**  
MICHAEL DEWEY (C)  
1249 COMMERCIAL ST SE  
SALEM OR 97302  
mdewey@oregoncable.com

**W**  
**OREGON EXCHANGE CARRIER ASSN**  
CRAIG PHILLIPS  
1104 MAIN ST., #300  
VANCOUVER WA 98660  
cphilips@oecca.com

**W**  
**OREGON TELECOMMUNICATIONS ASSN**  
BRANT WOLF (C)  
777 13TH ST SE - STE 120  
SALEM OR 97301-4038  
bwolf@ota-telecom.org

**W**  
**PUBLIC UTILITY COMMISSION OF OREGON**  
KAY MARINOS (C)  
PO BOX 1088  
SALEM OR 97308-1088  
kay.marininos@state.or.us

ROGER WHITE (C)  
PO BOX 1088  
SALEM OR 97308-1088  
roger.white@state.or.us

**W**  
**PUC STAFF--DEPARTMENT OF JUSTICE**  
JASON W JONES (C)  
BUSINESS ACTIVITIES SECTION  
1162 COURT ST NE  
SALEM OR 97301-4096  
jason.w.jones@state.or.us

**W**  
**QWEST CORPORATION**  
CARLA BUTLER  
310 SW PARK AVE 11TH FL  
PORTLAND OR 97205-3715  
carla.butler@centurylink.com

**W**  
**TW TELECOM OF OREGON LLC**  
GREGORY DIAMOND  
223 TAYLOR AVE, STE 250  
SEATTLE WA 98109  
greg.diamond@twtelecom.com



1 **W**

**VERIZON**

2 JESUS G ROMAN  
3 2535 W. HILLCREST DR, CAM21LB  
NEWBURY PARK CA 91320  
jesus.g.roman@verizon.com

4 RICHARD B SEVERY (C)  
5 2775 MITCHELL DR, BLDG. 8-2  
WALNUT CREEK CA 94598  
richard.b.severy@verizon.com

**W**

**WARM SPRINGS TELECOMMUNICATIONS**

MARSHA SPELLMAN (C)  
10425 SW HAWTHORNE LN  
PORTLAND OR 97225  
marsha.spellman@warmspringstelecom.com

**W**

**WSTC**

ADAM HAAS (C)  
10425 SW HAWTHORNE LN  
PORTLAND OR 97225  
adam.haas@warmspringstelecom.com

7  
8 

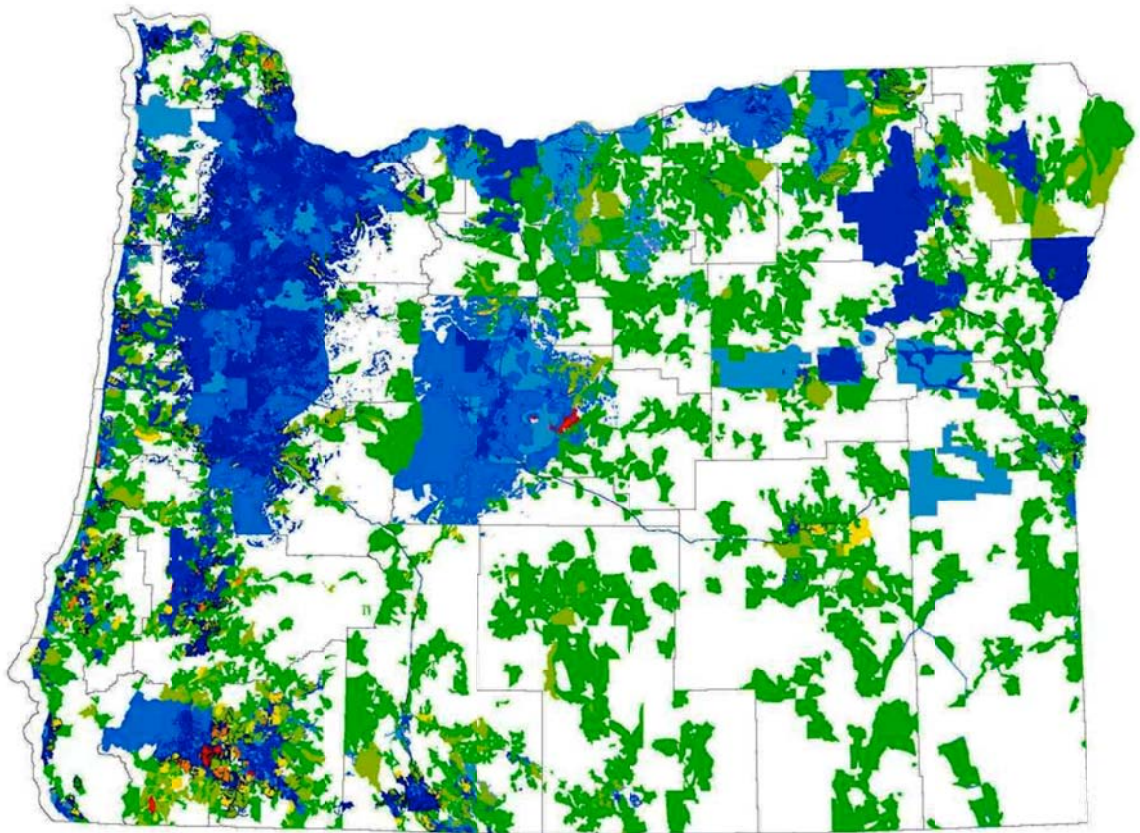
9 Neoma Lane  
10 Legal Secretary  
11 Department of Justice  
12 Business Activities Section  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26

OREGON PUBLIC UTILITY COMMISSION

## Status of Broadband Availability

---

### Rural Telephone Exchange Service Areas



**Table of Contents**

I. Executive Overview ..... 3  
     Why the study was conducted: ..... 3  
     Scope and Limitations of the Study:..... 4  
     General Conclusions: ..... 5  
 II. Introduction ..... 7  
 III. Memorandum: CONTENTS OF BROADBAND REPORT SPECIFIED.....14  
 IV. Findings with respect to specified request ..... 15  
     A. ILECs receiving OUSF support..... 15  
     B. The monthly basic telephone rate..... 17  
     C. Number of business and residential customers..... 18  
     D. Percentage of ILEC residential and business customers with broadband access available .... 18  
     E. Advertised maximum and typical download speeds offered by ILEC..... 19  
     F. Land-based competitive broadband access ..... 19  
     G. Radio-based competitive broadband access ..... 20  
 V. Outlook for Broadband..... 20  
 VI. Table of Appendices..... 23

## I. Executive Overview

### Why the study was conducted:

At the conclusion of Docket AR 577 on April 7, 2014, Order No. 14-113 directed the presiding administrative law judge to take steps as necessary to produce a report on the status and outlook of broadband availability in rural telephone exchange service areas and related issues. This report was to be done as part of UM 1481.

On May 5, 2014, a Bench Request was issued to all parties of Docket UM 1481 requiring the Incumbent Local Exchange Carriers (ILECs) and non-ILEC parties to provide the following information, respectively, by June 6, 2014:

1. The number of residential customers and the number of business customers in each exchange receiving support from the Oregon Universal Service Fund (OUSF).
2. The percentage of residential customers and the percentage of business customers in each OUSF-supported exchange that has broadband access available from their ILEC.
3. For each OUSF-supported exchange: the advertised maximum download speed and typical download speed of broadband service provided to customers.
4. For each OUSF-supported exchange: The percentage of customers with broadband access available from their ILEC that are actually broadband customers of that ILEC ("Take rate").
5. For each OUSF supported exchange: all non-ILEC providers of terrestrial-based broadband services, including, but not limited to, cable and wireless providers.
  - a. For each such provider, information as to whether it offers telephony services over those facilities.
  - b. For each such provider, whether such telephony services are offered over its own facilities or via resale of ILEC-provided facilities.
  - c. For each such provider, the market penetration of broadband services.

On October 27, 2014, a Memorandum was issued in Docket UM 1481 specifying the contents of the broadband report and what it should contain. The Memorandum specifies that the report contain a list of all OUSF-supported exchanges and, for each exchange, the following:

- a. The ILEC receiving that OUSF support;
- b. The monthly basic telephone rate for that exchange computed with the same elements as the benchmark rate;

- c. The number of residential customers and the number of business customers;
- d. The percentage of residential customers and the percentage of business customers that have broadband access available from their ILEC;
- e. The advertised maximum and typical download speeds of broadband services offered by the ILEC;
- f. The number of residential customers and the number of business customers that have access to land-based competitive broadband services; and
- g. The number of residential customers and the number of business customers that have access to radio-based competitive broadband services.

#### Scope and Limitations of the Study:

The intent of this study is to produce a report on the status and outlook of broadband availability in rural telephone exchange service areas and related issues. This objective was established by Order No. 14-113. An additional component of the report is the set of tables requested in the October 27, 2014, Memorandum and an interpretation of those tables.

After reviewing the data that was provided by the UM 1481 parties in response to the Bench Request, it was determined that the information needed to answer items f and g in the October 27, 2014, Memorandum was not available given the nature of the Bench Request.

There are three major groups providing broadband service to residential and business customers: ILECs, CLECs, and wireless companies. The ILECs were the only group asked to provide the information needed to respond to the items listed in the October 27, 2014, Memorandum. Neither the CLECs, which include cable companies, nor the wireless companies were required to provide the detailed information needed to answer items f and g. This forced the parties to go to alternative data sources in order to respond in part to those sections of the October 27, 2014, Memorandum.

In addition to what was provided as a result of the Bench Request the parties used information that was collected by the FCC in the FCC 477 report. This information was used to generate most of the maps and contains all of the wireline competitor information. Wireless competitors were excluded, because a number of the parties did not believe the information that the wireless companies provided was accurate; however, the report does contain in the appendices FCC Broadband Maps showing wireless availability by company. These are found in the map section of the appendices.<sup>1</sup> Please note that some parties disagree with the accuracy of these maps.

---

<sup>1</sup> Some parties do not believe the maps accurately reflect where the wireless companies are providing service.



### General Conclusions:

Figure 1 is a map of Oregon that shows the locations where a customer can obtain wireline broadband at speeds of 3 Mbps down and 768 Kbps up (3 Mbps service) or greater from either Incumbent Local Exchange Carriers (ILECs) or a Competitive Local Exchange Company (CLEC). These locations, colored in light blue and dark blue, overlay another map that shows occupied housing units at the census block level.<sup>2</sup>

Areas where a customer can obtain the 3 Mbps service from a wireline provider are indicated in light blue while darker shades of blue indicate areas where a customer can obtain higher speeds. The white areas on the map are unoccupied. All of the other colors (see the Occupied Housing Units key at the side of the map) indicate various densities of occupied housing units on a per square mile basis. The other colors become visible when the census tract does not have access to 3 Mbps service. These densities range from as low as one housing unit per square mile up to as high as 434 housing units per square mile.

This map shows that wireline 3 Mbps service is generally available in cities along Interstate-5, in towns along Highway 101, and in the urbanized areas surrounding Bend, Pendleton, and La Grande in eastern Oregon.<sup>3</sup> Using the Federal Office of Management and Budget's (OMB) classification system, access to 3 Mbps service appears to be concentrated in Metropolitan and Micropolitan areas, with very few Noncore areas having access to this level of service.<sup>4</sup> The exceptions, which are hard to see on the map, are the communities served by the small, independent ILEC telecommunication companies.

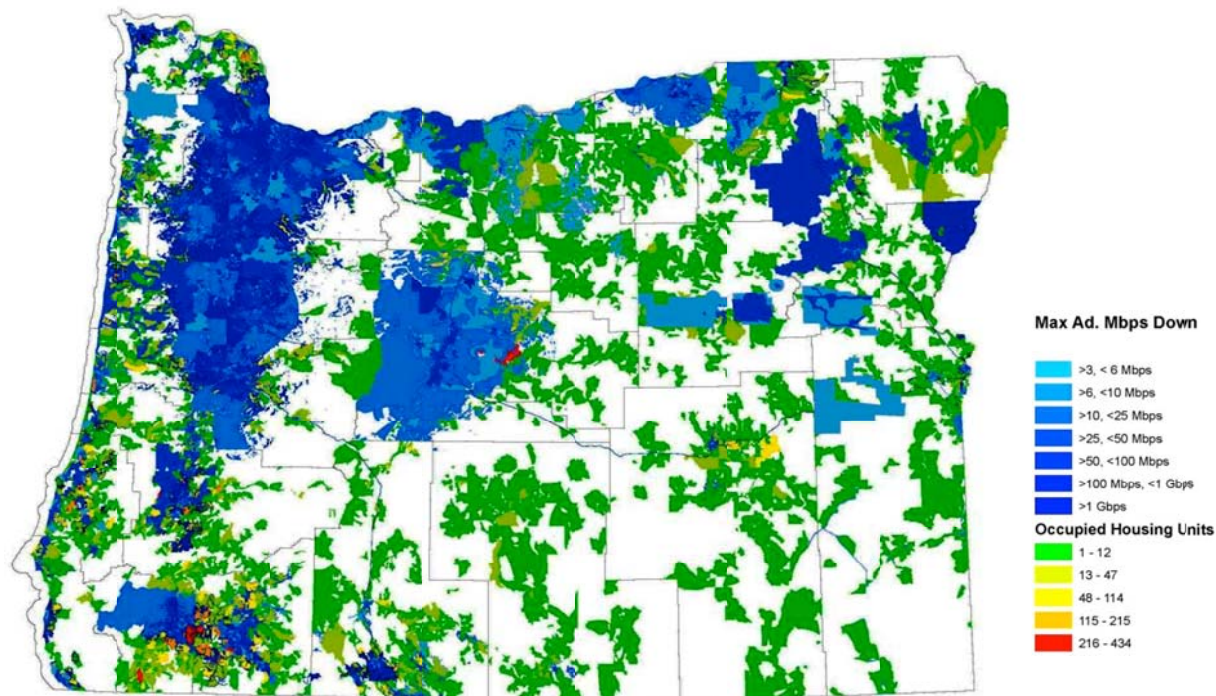
---

<sup>2</sup>U.S. Census Bureau 2010 Census

<sup>3</sup> The blue areas that we see on the map located along Interstate-5 are Portland and its bedroom communities, Salem, Albany, Corvallis, Eugene, Springfield, Medford, Grants Pass, and Roseburg.

<sup>4</sup> The OMB system, which will be discussed briefly in this paper, classifies counties into one urban group (Metropolitan), and two rural groups: Micropolitan and Noncore.

Figure 1  
Availability of Broadband access of 3 Mbps or greater service in Oregon



Less than 62 percent of the CenturyLink and Frontier customers living in OUSF supported exchanges have access to ILEC-provided 3 Mbps wireline service while 85 percent of the customers residing in the OUSF supported exchanges owned by the small, independent ILEC telecommunication companies have access to ILEC-provided 3 Mbps service.

Current federal programs are targeting the underserved and un-served rural areas. An area is defined as underserved or un-served if the customers living there do not have access to what the Federal Communications Commission (FCC) defines as minimum rate broadband: 4 Mbps down and 1 Mbps up.<sup>5</sup> The federal Connect America Fund (CAF), which was implemented for the purpose of getting broadband to every household, has not had a significant impact on Oregon so far. At the end of the first phase, Oregon had only received \$2,131,400 in support for 2,751 locations distributed across 10 counties. This works out to \$775 per location or \$200K per county on average.

In the longer-term, broadband access should continue to improve as progress towards the six goals outlined in the 2010 National Broadband Plan are assessed and updated by Congress and the FCC.<sup>6</sup>

<sup>5</sup> A recent FCC order increased this standard to 10 mbps down and 1 mbps up.

<sup>6</sup> Connecting America: The National Broadband Plan; released March 17, 2010. See, also, Section IV, below.

## II. Introduction

### **Basic Definitions:**

Several terms will be used throughout this paper such as exchange, non-rural company, and rural company, which are the building blocks for other definitions. An exchange<sup>7</sup> is a geographic area surrounding the switching office that provides local telecommunications services within that area and facilitates interconnection between long distance service providers and customers. An exchange refers only to the area surrounding an Incumbent Local Exchange Carriers (ILEC) switch. The term non-rural company refers to the set of exchanges that at one time were owned by GTE and U S West and are now owned by Frontier Northwest and Qwest Corporation dba CenturyLink QC (CenturyLink), respectively. The term rural company refers to all of the remaining companies, some of which are also owned by Frontier<sup>8</sup> or CenturyLink.<sup>9</sup> Rural companies owned by Frontier and CenturyLink will be identified as FTR rural companies and CTL rural companies respectively; all other rural companies will be identified as Rate of Return (ROR) rural companies.

### **Rural exchanges and how they compare to non-rural exchanges:**

The three most common federal definitions of rural are those of the: 1) Department of Commerce's Bureau of the Census,<sup>10</sup> 2) White House's Office of Management and Budget (OMB),<sup>11</sup> and 3) United States Department of Agriculture's Economic Research Service (Economic Research Service).<sup>12</sup> Using the OMB criterion, Oregon counties can be grouped into three distinct types: Metropolitan, Micropolitan, and Noncore.<sup>13</sup> The Metropolitan zone is made up of urban areas, while the Micropolitan and Noncore are considered to be rural areas. The Micropolitan counties are predominantly rural counties that include an urban area with a population of 10,000 to 49,999 plus surrounding counties that are linked through commuting ties.

---

<sup>7</sup> In this paper the term exchange, central office, and wire center will mean the same thing. Normally an exchange refers to one or more wire centers.

<sup>8</sup> Citizens Telecommunications Company of Oregon.

<sup>9</sup> CenturyTel of Oregon, Inc. d/b/a CenturyLink, CenturyTel of Eastern Oregon, Inc. d/b/a CenturyLink, and United Telephone Company of the Northwest d/b/a CenturyLink.

<sup>10</sup> <http://www.census.gov/geo/reference/urban-rural.html>.

<sup>11</sup> <http://www.whitehouse.gov/sites/default/files/omb/bulletins/2013/b13-01.pdf>.

<sup>12</sup> <http://www.ers.usda.gov/topics/rural-economy-population/rural-classifications/what-is-rural.aspx>.

<sup>13</sup> The OMB criterion was adopted as the alternative look at defining rural areas because it is county based. It is also useful in identifying areas where competitor would be likely to enter a market in otherwise rural areas.

Figure 2  
Oregon Counties by Classification

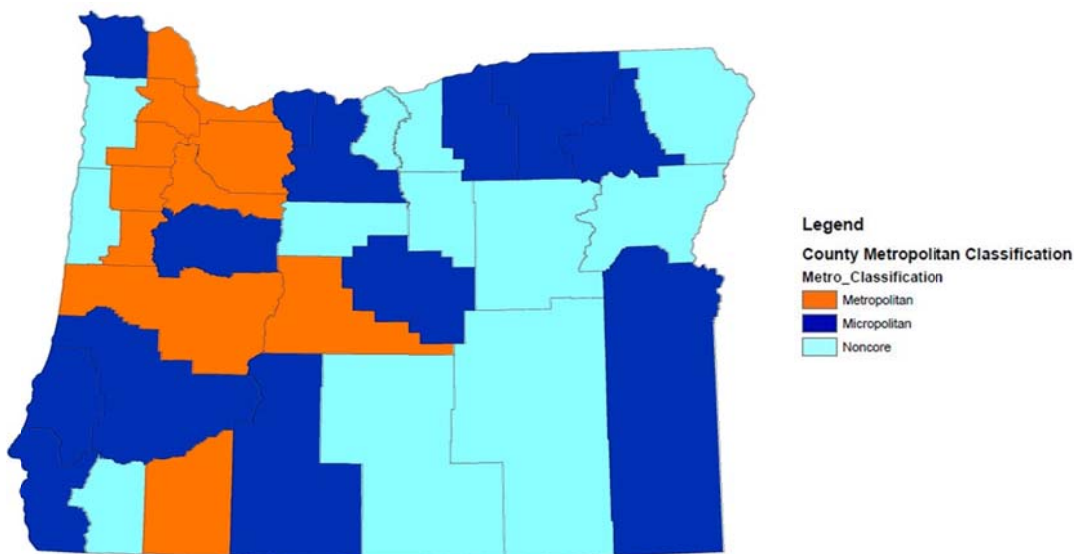


Figure 2 shows Oregon counties classified using the three types: Metropolitan, Micropolitan and Noncore. The counties in orange are the Metropolitan or urbanized areas, while the counties in dark blue and in light blue are respectively the two classes of rural areas: Micropolitan and Noncore. One might expect to find rural exchanges only in the blue areas; however, they are quite often located in orange areas as well.

While the map is suitable for identifying urban and rural areas where competitors are likely to be, it is not particularly good for identifying high-cost exchanges. Table 1 is organized by the three categories noted above and includes the OUSF supported lines, the amount of support, and the percent share each category has of lines and dollars. From this table it is clear that a significant portion of the high cost areas are located in urban counties. This suggests that the study needs to be carried out at a more granular level.

Table 1  
Distribution of Lines and Support by County Classification

CLASSIFICATION TYPE	LINES	DOLLARS	PERCENT OF LINES	PERCENT OF SUPPORT
METROPOLITAN	108,022	\$16,440,921	42%	46%
MICROPOLITAN	90,589	\$9,068,618	36%	26%
NONCORE	55,511	\$9,852,789	22%	2%
TOTAL	254,122	\$35,362,328	100%	100%

For purposes of this analysis, the Oregon rural areas will be defined as the exchanges that were originally identified as high cost for the purposes of the Oregon Universal Service Fund (OUSF). This definition includes exchanges that are located in Metropolitan counties. Examination at the exchange level allows us to identify geographic areas within any county whether classified as a Metropolitan county, a Micropolitan county, or Noncore county, that has significant rural characteristics. However, there is also a limitation in using exchanges in that it does not differentiate between the relatively higher density areas located inside a town and the surrounding areas within an exchange (often referred to as the donut and the donut hole). Typically, central offices are located in or near a central business district.

For copper-based systems traditionally employed by ILECs, a significant cost difference generally exists in providing service to an area within 12,000 feet of the central office (Base area) and in providing service to areas outside 12,000 feet of the central office (Non-Base area). Within the Base area, speeds up to 6 Mbps can be achieved over a normal copper loop without any additional outside plant cost. For loops serving the Non-Base area, the outside plant cost jumps substantially because additional hardware, such as a Digital Loop Carrier (DLC), needs to be added to make the loop capable of handling higher speed transmissions. Both the loops serving the Base area and the loops serving the Non-Base areas require additional electronics to achieve broadband speeds.

The Base area is typically the first place where ILECs will deploy broadband services since it does not normally require it to upgrade its loop facilities. Later in this analysis, when there is data showing relatively low percentages of customers with access to broadband in an exchange, it generally means the service is being offered primarily in the Base area.

- **What is meant by broadband?**

At a high level, a wireline telecommunication networks can be broken into three distinct parts: interoffice facilities that connect central offices, the central office where switching takes place, and the network running from the central office to the customer. The network running from the central office to the customer is called the local loop. This paper will only examine the local loop portion of the network and its ability to handle broadband transmissions with a minimum 3 Mbps service.



There are three types of wireline networks that will be considered: Fiber, Digital Subscriber Loop (DSL), and Cable Modem. Fixed Wireless was originally proposed to be included, but the supporting information related to Fixed Wireless appears to be unreliable.<sup>14</sup> These three categories represent different ways of provisioning a local loop for a customer.<sup>15</sup> A typical fiber network has fiber optic cable running from the central office all the way to the customer's premise. A DSL loop, outside the Base area, is typically offered with a mix of fiber and copper with fiber extending to a loop concentration point, such as a DLC, and twisted-pair copper extending from the DLC to the customer's premises. Cable Modem is also a copper based technology; however, instead of using twisted-pair copper wire it uses coaxial cable. Coaxial cable is currently capable of much higher transmission speeds over longer distances than twisted-pair, copper loops. However, it should be noted that advances in the use of twisted-pair copper loops are being made.

The transmission standard used in this report is the same standard used by the FCC when creating nationwide broadband maps. FCC data will be incorporated as well as the information received from the companies in response to the Bench Request.

- **What is meant by broadband availability?**

---

<sup>14</sup> The data showed over 90 percent of the housing units in the Portland area had access to broadband over fixed wireless. To have this kind of coverage, a fixed wireless provider at the minimum would have to get access to every cell tower in Portland as well as spectrum it could use, which is highly unlikely.

<sup>15</sup> Mobile wireless service, which is not provisioned with a landline, has a large and growing share of the telecommunications service market in Oregon. Page 37 of the August 2014 "Oregon Broadband Adoption" report, which is based on a survey of Oregonians, shows 38 percent of households with only a cell phones, 53 percent with both a cell phone and a landline, and only 9 percent with just a landline.

In 53 percent of the cases, cell phones function as a supplement to landline service rather than a replacement for it. This creates the first of several problems in incorporating wireless data. Since we are trying to develop a count of how many occupied housing units have access to broadband in a given area, the number of different ways the occupied housing unit has access to broadband is not important.

Another problem that we have to deal with is the quality of the available wireless data, which several parties felt was poor. This was an item of disagreement among parties, with OCTA, AT&T and Verizon making a recommendation that wireless service be added to the study and the other parties rejecting the proposal. The parties making the recommendation believe the absence of such an analysis in the Report results in an inaccurate portrayal of the availability of broadband services in rural areas of Oregon. The other parties, including staff, believe that introducing wireless services will obfuscate the study results. One of the major providers shows they are providing service everywhere, including empty desert area in south eastern Oregon. Maps showing where each wireless company serves can be found in the appendices.

The FCC in its Form 477 report<sup>16</sup> defines broadband availability in terms of existing customers and the speeds that could be provided to them in a relatively short period over the existing local loop. Essentially, a customer has access to broadband if they can contact their service provider, request broadband service, and have it operational within normal service provisioning times. Network variations that would prevent such access are local loop facilities that are incapable of handling the desired broadband speed or lack of space for the required electronic equipment at the switch location, or other software related issues.

- **Differentiating between residential and business customers.**

Single-line customers are typically classified for telecommunications service as either business or residential, even though there is generally no difference in the way the service is provisioned. There can be, however, significant differences in the way the service is used between the two classes of service. Business customers are typically closer to the center of a community and the central office so they are generally served by shorter loops than residential customers. This makes it more likely that business customers will have access to broadband services.

Several companies were unable to provide broadband information on a business-residential basis because broadband service is not tracked by customer class in many cases. Rather than use just the companies that responded with business and residential class data, the study incorporates all data submitted by all companies and combines business and residential lines. Since there is no real difference in the way the loops are provisioned, the single value gives a good estimate for both business and residential broadband access. Accordingly, the available data is not segregated into residential and business broadband customers.

- **Data available for the Analysis**

This study draws on three sources of information: company responses to the Bench Request, FCC Broadband Maps,<sup>17</sup> and census data. The last two sources supplement the exchange-specific data provided by the companies that were required to respond to the Bench Request. CLECs were not required to provide any information about how many customers they serve by exchange or what number of those customers had access to 3Mbps service.

---

<sup>16</sup> <http://transition.fcc.gov/Forms/Form477/477inst.pdf>.

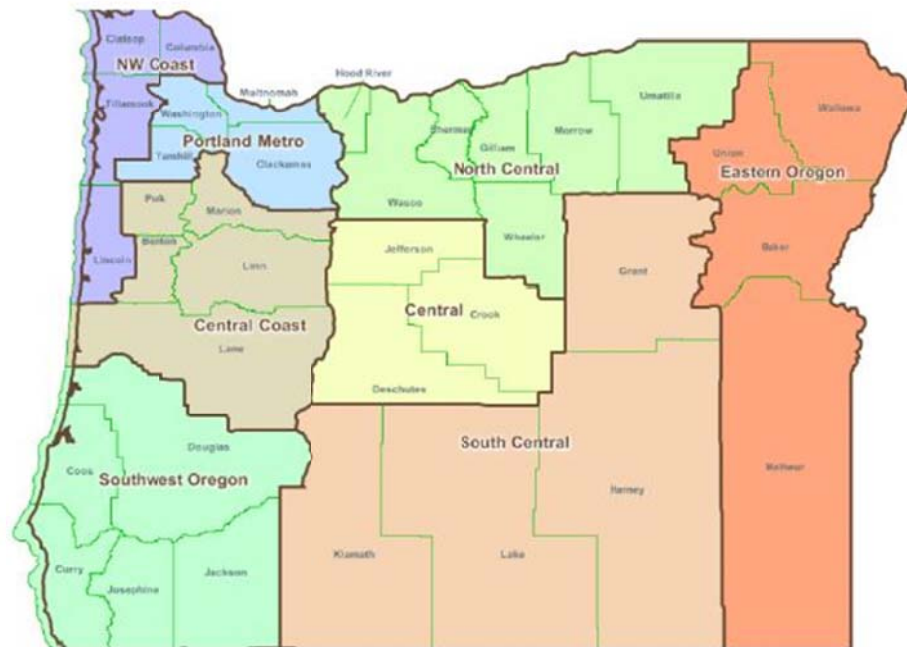
<sup>17</sup> <http://www.fcc.gov/maps/section-706-fixed-broadband-deployment-map>.

The FCC Broadband Maps are developed at the census block level and provide numerical summaries at the county level that show the percent of the population that has access to broadband, as well as the percent of the households that could get service by means of fiber, coaxial cable, DSL, or fixed wireless.<sup>18</sup> The census data at the census tract level is rolled up to provide occupied housing units at the exchange level. This is used as a proxy for total residential customers.

- **Information Derived from the FCC Broadband Maps.**

One set of geographic regions used in this study was chosen to be consistent with the regions used in the Oregon Broadband Adoption study.<sup>19</sup> The eight regions range in size from a low of 80,000 people to a high of 1.8 million people. Figure 3 shows the eight regions that are used to summarize the data. The counties associated with each region are found in Table 2.

Figure 3  
Map of Oregon by Region



<sup>18</sup> The FCC Broadband Maps also contain data regarding availability of broadband services from wireless providers.

<sup>19</sup> <http://www.oregon.gov/broadband/Pages/index.aspx>.

Table 2  
Oregon Counties by Region

<b>Central</b>	<b>Central Coast</b>	<b>Northwest Coast</b>	<b>North Central</b>	<b>Portland Metro</b>	<b>South Central</b>	<b>Southwest</b>	<b>Eastern</b>
Crook	Benton	Clatsop	Gilliam	Clackamas	Grant	Coos	Baker
Deschutes	Lane	Columbia	Hood River	Multnomah	Harney	Curry	Malheur
Jefferson	Linn	Lincoln	Morrow	Washington	Klamath	Douglas	Union
	Marion	Tillamook	Sherman	Yamhill	Lake	Jackson	Wallowa
	Polk		Umatilla			Josephine	
			Wasco				
			Wheeler				

Table 3 uses the eight regions to summarize the county-level data extracted from the FCC Broadband Maps.<sup>20</sup> This table shows the region name, region population, percent of the population in the region that has access to broadband, per capita income, and the average percent of housing units that have access to broadband by three different technologies: Fiber, DSL and Cable.

Two facts stand out in Table 3: the high percentage of Oregon's population that has access to broadband and the two regions that have substantially lower percentages. The Eastern and South Central regions are more than 15 percentage points below the next lowest region. One driver of the difference appears to be the population density.

Table 3  
Availability of Broadband by Region

<b>Region</b>	<b>Population</b>	<b>Population with Broadband Access</b>	<b>Median Income</b>	<b>Fiber</b>	<b>Cable</b>	<b>DSL</b>
Central	206,686	98%	\$26,495	22.1%	87.2%	80.6%
Central Coast	958,951	99%	\$23,245	6.8%	77.9%	92.8%
Eastern	80,721	70%	\$20,105	1.9%	29.2%	89.4%
North Central	140,628	93%	\$21,117	24.1%	65.0%	67.1%
Northwest Coast	157,972	91%	\$24,427	8.7%	99.2%	94.8%
Portland Metro	1,767,480	100%	\$29,727	70.2%	87.2%	95.8%
South Central	89,539	76%	\$22,021	1.8%	55.4%	34.6%
Southwest	484,888	92%	\$22,873	18.0%	84.2%	70.7%

<sup>20</sup> <http://www.fcc.gov/maps/section-706-fixed-broadband-deployment-map>

Some information loss and data distortion is recognized in the process of rolling up the county results into regions. On average the Eastern, North Central, and South Central regions show the presence of cable modem service; however, this does not hold true for a number of the counties that make up those regions. Table 4 shows seven counties within those regions that do not have cable modem service. Three counties in the Eastern region and four counties in the North Central region do not have cable modem service.

Table 4  
Counties Where There is No Cable Presence

Region	County	Population	Housing Units	Percent of Population with Access to Broadband	Per Capita Income	Fiber	Cable	DSL
Eastern	Baker	16095	8,777	65%	\$21,683	6%	0%	52%
Eastern	Malheur	31705	11561	57%	\$16,335	0%	0%	60%
Eastern	Wallowa	6996	4055	81%	\$23,023	0%	0%	73%
North Central	Gilliam	1874	1140	75%	\$25,559	0%	0%	42%
North Central	Wheeler	1042	885	0%	\$20,598	0%	0%	0%
South Central	Grant	7439	4278	35%	\$22,041	3%	0%	31%
South Central	Harney	7403	3778	67%	\$20,849	1%	0%	65%

**III. Memorandum: CONTENTS OF BROADBAND REPORT SPECIFIED**

The Memorandum issued October 27, 2014 specifies that the report shall contain a list of all OUSF-supported exchanges and, for each exchange, the following:

- a. The ILEC receiving that OUSF support;
- b. The monthly basic telephone rate for that exchange computed with the same elements as the benchmark rate;
- c. The number of residential customers and the number of business customers;
- d. The percentage of residential customers and the percentage of business customers that have broadband access available from their ILEC;
- e. The advertised maximum and typical download speeds of broadband services offered by the ILEC;
- f. The number of residential customers and the number of business customers that have access to land-based competitive broadband services; and
- g. The number of residential customers and the number of business customers that have access to radio-based competitive broadband services.



**IV. Findings with respect to specified request**

**A. ILECs receiving OUSF support**

Appendix A contains a list of all of the ILEC companies' exchanges that receive support from the OUSF. The amount of support received was established by two distinct modeling processes. For the areas served by the non-rural companies, support was based on a one-time run of a national level model sponsored by the FCC. Support for the rural companies was calculated once every three years based on information obtained from company income statements and balance sheets filed with the Commission and jurisdictional separation reports.

Figure 4 shows the exchanges receiving support from the OUSF. White areas designate where there are no exchanges, light blue areas where there are exchanges not receiving support, and dark blue where there are exchanges receiving support. The map also contains the region boundaries.

Figure 4  
Oregon OUSF Supported ILECs

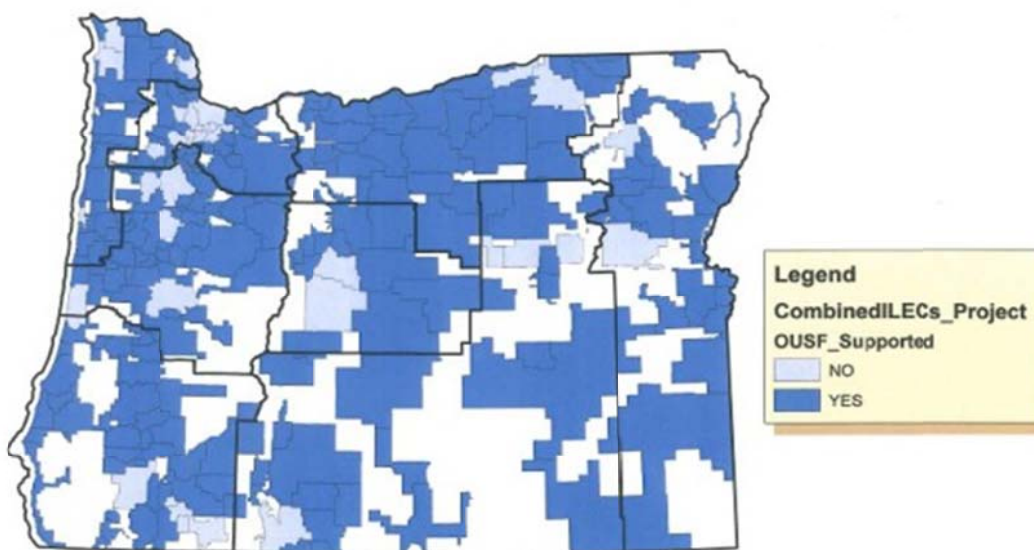


Table 5 shows the distribution of support by rural exchanges across the eight state regions and the support amounts directed to the Rate-of-Return rural and non-rural companies within each region. The annual support in the table is what the companies receive for serving the region; it is not the amount that they spend in the region. Neither the ROR rural companies nor the non-rural companies have an obligation to invest the money that they receive from the OUSF in the high cost exchanges. However, given that ROR rural companies generally serve only one or two exchanges and generally only in the State of Oregon, investment in those exchanges logically follows for those companies. In any event, the Phase III Stipulation, currently pending before the Commission, changes this aspect of OUSF funding by including commitments from ILECs to invest the money that they receive from the OUSF in high cost exchanges.

Table 5  
Distribution of Supported Exchanges by Regions

Region	Company Classification	Non-Rural			Rural		
		Exchanges	OUSF Support (Annual)	Lines	Exchanges	OUSF Support (Annual)	Lines
Central Coast	CTL & FTR				6	\$1,095,750	15,663
	Non Rural	19	\$5,217,756	27,488			
	ROR				14	\$2,308,716	13,589
Central Oregon	CTL & FTR				2	\$40,826	605
	Non Rural	8	\$3,113,620	13,273			
	ROR				1	\$478,194	650
Eastern Oregon	CTL & FTR				3	\$27,585	384
	Non Rural	14	\$3,620,831	15,309			
	ROR				12	\$1,800,855	2,534
North Central	CTL & FTR				25	\$951,028	17,202
	Non Rural	4	\$824,227	4,971			
	ROR				5	\$366,097	1,241
Northwest Coast	CTL & FTR				15	\$1,084,673	19,892
	Non Rural	8	\$2,171,008	9,130			
	ROR				6	\$1,342,283	8,654
Portland Metro	CTL & FTR				4	\$157,244	2,857
	Non Rural	12	\$2,182,634	13,545			
	ROR				11	\$2,476,861	24,114
South Central	CTL & FTR				19	\$841,472	11,827
SW Oregon					21	\$1,048,733	19,032
	Non Rural	18	\$3,715,169	28,958			
	ROR				8	\$496,769	3,204
Grand Total		83	\$20,845,244	112,674	152	\$14,517,084	141,448

**B. The monthly basic telephone rate**

The monthly basic telephone rate for that exchange computed with the same elements as the benchmark rate. The \$21.00 benchmark (the Benchmark) used in the calculation of support for the non-rural companies and for the ROR rural companies was derived from runs of the FCC model used to calculate central office specific costs for the two non-rural companies. The Benchmark is the weighted average monthly economic cost for the two non-rural companies. The economic cost consists of the loop cost and a portion of the switch cost. The per-line switch cost was taken from a graph that plotted per-line switch investment against lines.

Table 6 provides a summary of how residential single-line and business single-line rates compared to the Benchmark.<sup>21</sup> The values show how much a rate is above or below the Benchmark. A negative value indicates that the rate is below the Benchmark while a positive value indicates that the rate is above the Benchmark. This comparison was done for non-rural, CTL and FTR rural, and ROR rural companies. The table shows median, high, and low values.

Table 6  
A Comparison of Residential and Business Rates to the OUSF Benchmark

	Business			Residential		
	median	high	low	median	high	low
Non-Rural	\$6.75	\$10.20	\$1.00	(\$8.31)	(\$6.20)	(\$8.41)
CTL & FTR Rural	\$3.16	\$6.25	(\$0.69)	(\$7.45)	(\$7.45)	(\$4.45)
ROR Rural	(\$2.00)	\$13.47	(\$10.50)	(\$6.25)	\$6.00	(\$12.00)

Both the median residential and the median business rate are below the \$21 Benchmark for ROR rural companies. However, with the coming changes to the urban rate floor concept adopted by the FCC, this will probably change. The median rates for the non-rural and CTL and FTR rural companies are mixed: the median business rates are higher than the benchmark while the median residential rates are below the benchmark. It should be noted that the Benchmark does not include mandatory EAS rates paid by consumers, which can have a marked effect on what the consumer pays for telecommunications service. It is also important to note that these rates are for voice service only, and do not reflect the pricing of broadband service.

---

<sup>21</sup> Appendix B contains a list of single-line residential and business rates for each ILEC company by wire center and how much each rate is above or below the Benchmark rate that was used to determine the level of support that each exchange received. This Benchmark along with the federal loop and switch support that the companies receive was used to reduce the loop revenue requirement when calculating the amount of support needed.

**C. Number of business and residential customers**

Appendix C contains a list of exchanges with the estimated number of customers using wireline services. The estimate was developed using the number of occupied housing units as a proxy for the total number of customers. For the reason discussed in the “Differentiating between residential and business customers” section of the Introduction, business customer counts were not included as a separate item in this analysis.

**D. Percentage of ILEC residential and business customers with broadband access available**

Appendix D contains the full list of exchanges that receive OUSF support and, where available, the percent of residential lines and single-party business lines that have access to 3 Mbps broadband service from the ILEC. In several cases, ILECs stated that they were not able to identify their broadband customers as business and residence.<sup>22</sup> The information received from the ILECs on a total customer basis is summarized in Table 7. There are three categories of companies that are identified in this table: the non-rural companies, the rural companies owned by CenturyLink and Frontier, and the ROR rural companies. This table shows that, 63 percent of the customers in an average non-rural company exchange receiving OUSF support have access to ILEC broadband service. In an average ROR rural company exchange receiving OUSF support 85 percent of the customers have access to ILEC broadband.

Table 7  
Percent of ILEC Customers with Access to ILEC Broadband

Average Percentages	
Non-Rural	63%
CTL & FTR Rural	57%
ROR Rural	85%

The high percentage of ROR rural customers that have access to 3 Mbps service or greater demonstrates that the ROR rural companies have been deploying networks capable of providing broadband service in the high cost areas. Some of this deployment by the ROR rural companies may have been facilitated by OUSF funds, which are intended in part to keep voice services affordable and these networks

---

<sup>22</sup> In the case of the Rate-of-Return rural companies, the two reasons given were that Broadband services were handled by a separate subsidiary and broadband service is not tracked by class, since class of service is a telecommunications concept, not a broadband service concept. Frontier did not provide a reason why they were unable to identify which class of customer was receiving broadband services.

may be able to accomplish just that. In addition, by deploying networks capable of providing broadband services, the companies are in most cases able to generate additional revenues from the broadband services. These additional revenues generally pay for the incremental cost of going from a voice-only network to a broadband network. The incremental revenues may also cover some of the cost of the network that is common to both voice-only and broadband. Without the incremental revenues from broadband services, the revenues from voice services would have had to cover almost the entire cost of the network. However, the costs of providing broadband service are not included in the study and it is not clear whether broadband services are profitable or not when provided in high cost areas.

**E. Advertised maximum and typical download speeds offered by ILEC**

Appendix F contains a table that shows by exchange the advertised maximum broadband speed. This information has been summarized in Table 8 for the rural and non-rural companies. The values for each category are median values.

Table 8  
Maximum Advertised Speeds and Typical Speeds

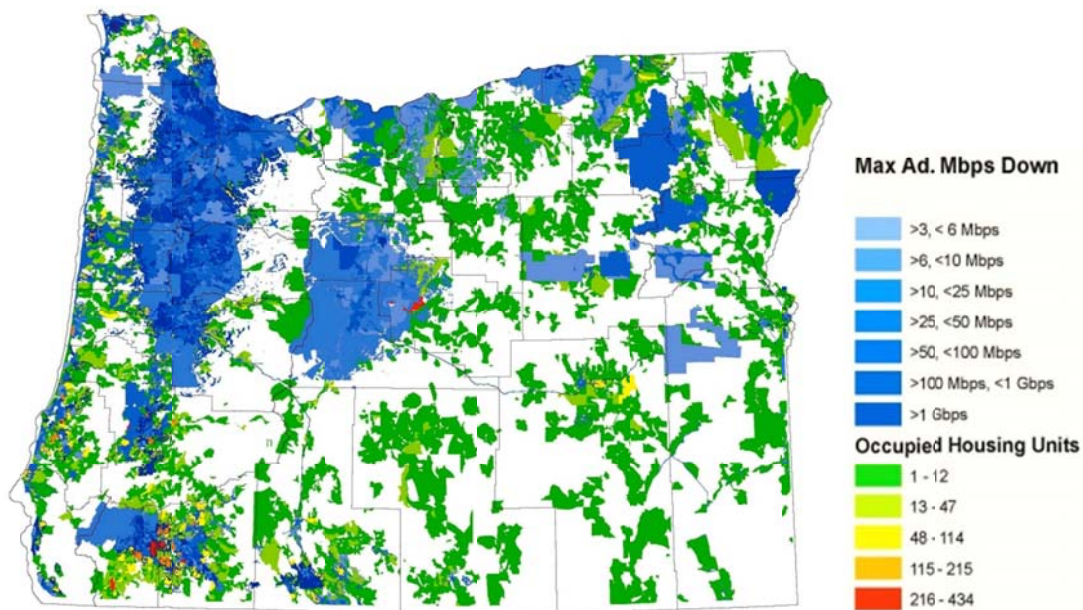
	Advertised Rate	Typical Rate
Non-Rural	24 Mbps	6 Mbps
CTL & FTR rural	10 Mbps	10 Mbps
ROR Rural	10 Mbps	6 Mbps

**F. Land-based competitive broadband access**

The CLEC companies were not directed to provide the information needed to answer this request and as a result they did not to provide it. In order to partially respond to this request, FCC mapping data was used to generate the following map (Figure 5) of Oregon showing where wireline competitors are providing 3 Mbps to their customers.



Figure 5  
Areas Where Competitors are Providing 3 Mbps Service



The light and dark blue areas are ones where competitors are presently providing service at 3 Mbps or greater; the darker the shade of blue the higher the speed. White areas are unoccupied areas. All other colors indicate occupied areas, with green indicating the lowest density and red indicating the highest density of housing units per square mile. This map shows that competitors are operating primarily in the Metropolitan zone along the I-5 corridor and the Micropolitan zones in both Western and Eastern Oregon.

#### G. Radio-based competitive broadband access

There is insufficient data to respond because data from radio-based companies was not provided, nor was the existing data from other sources viewed to be reliable.

#### V. Outlook for Broadband

For the near term, the deployment of broadband to underserved and unserved areas will be directed by the actions of Congress. In early 2009, Congress directed the FCC to develop a National Broadband Plan to ensure every American has access to broadband capability. In

its National Broadband Plan,<sup>23</sup> the FCC recommended that the country adopt and track the following six goals over the next decade.<sup>24</sup>

- Goal No. 1: At least 100 million U.S. homes should have affordable access to actual download speeds of at least 100 megabits per second and actual upload speeds of at least 50 megabits per second.
- Goal No. 2: The United States should lead the world in mobile innovation, with the fastest and most extensive wireless networks of any nation.
- Goal No. 3: Every American should have affordable access to robust broadband service, and the means and skills to subscribe if they so choose.
- Goal No. 4: Every American community should have affordable access to at least 1 gigabit per second broadband service to anchor institutions such as schools, hospitals and government buildings.
- Goal No. 5: To ensure the safety of the American people, every first responder should have access to a nationwide, wireless, interoperable broadband public safety network.
- Goal No. 6: To ensure that America leads in the clean energy economy, every American should be able to use broadband to track and manage their real-time energy consumption.

The FCC took implementation action with its USF/ICC Transformation Order<sup>25</sup> (Transformation Order), by initiating a shift of Federal Universal Service Funds (FUSF) from basic landline telephone service towards the universal availability of broadband. While freezing support for existing high-cost support mechanisms, the FCC established an umbrella program – the Connect America Fund (CAF) - to oversee the disbursement of FUSF to broadband networks in rural areas. The CAF replaced the High Cost Fund program for the Price Cap companies<sup>26</sup> by establishing two phases for immediate broadband deployment in rural areas (Phase I) and for forward-looking expansion (Phase II) to begin in 2012. The CAF Phase I for Oregon includes support for 2,751 locations in 10 counties with funding of \$2,131,400.<sup>27</sup> The CAF Phase I support of approximately \$775 per location compares to an Oregon remote area loop cost that ranges from \$4,000 to \$5,500,

---

<sup>23</sup> Connecting America: The National Broadband Plan; released March 17, 2010.

<sup>24</sup> Connecting America: The National Broadband Plan; released March 17, 2010, page XIV.

<sup>25</sup> FCC 11-161, Report and Order and Further Notice of Proposed Rulemaking; aka, *USF/ICC Transformation NPRM*; released November 18, 2011.

<sup>26</sup> The High Cost fund still exists for the Rate-of-Return rural companies. For those companies the existing CAF is and Access and Reciprocal Compensation replacement fund. The broadband elements of the CAF for Rate-of-Return rural companies have not yet been worked out.

<sup>27</sup> <http://www.fcc.gov/maps/connect-america-fund-caf-phase-i>.

suggesting that near-term results may fall short of objectives. The CAF Phase II funding review should conclude by the end of 2014. The Transformation Order states that Phase II disbursements will continue through 2017.

When completed, the CAF program will provide end-users in supported rural areas with fixed broadband at or above the Commission's broadband speed benchmark of 4 Mbps downstream and 1 Mbps upstream.<sup>28</sup> Broadband connections that meet this speed threshold will provide subscribers in rural and high cost areas with the ability to use critical broadband applications in a manner reasonably comparable to broadband subscribers in urban areas. Longer-term, broadband access should continue to improve as progress towards the six goals outlined in the National Broadband Plan are assessed and updated by Congress and the FCC. A more detailed discussion is found in Appendices.

---

<sup>28</sup> A recent FCC order increased this standard to 10 mbps down and 1 mbps up.

## VI. Table of Appendices

Appendix A – OUSF support	24
Appendix B – Residential and Business rates	30
Appendix C – Number of customers	34
Appendix D – Broadband accessible lines	40
Appendix E – Maximum advertised download and typical speeds	46
Appendix F – Impact of FCC Programs	72
Appendix G – Maps	78

OUSF Supported Exchanges		Company Type		
Region	Exchange	CTL &FTR	Non-rural	ROR
Central Coast	Alesea, Lobster Valley			\$81,161
	Aumsville		\$65,266	
	Aurora	\$146,090		
	Bellfountain, Horton, Triangle Lake			\$124,646
	Blodgett, Harlan, Summit			\$51,228
	Blue River		\$370,783	
	Brownsville	\$73,192		
	Corvallis		\$126,004	
	Cottage Grove		\$849,067	
	Creswell	\$196,847		
	Detroit		\$262,483	
	Falls City		\$82,229	
	Gervais			\$105,904
	Halsey			\$65,328
	Indep.-Monmouth		\$40,087	
	Jefferson		\$91,399	
	Junct'n C.-Harrisburg		\$231,607	
	Leaburg		\$329,509	
	Lebanon	\$453,792		
	Lowell		\$325,680	
	Lyons			\$183,671
	Mapleton		\$371,386	
	Marcola		\$466,678	
	Mill City		\$220,033	
	Monroe			\$278,787
	Mt. Angel			\$290,353
	Oakridge		\$617,251	
	Philomath			\$398,957
	Shedd	\$14,418		
	Silverton		\$294,054	
St. Paul			\$142,042	
Stayton			\$586,638	
Sweet Home	\$211,411			
Turner		\$22,542		
Veneta		\$451,699	\$0	
Central Oregon	Bend		\$409,344	
	Camp Sherman		\$903,587	
	Culver		\$177,070	
	La Pine		\$321,180	
	Madras		\$150,071	
	Paulina	\$9,783		
	Prineville		\$405,838	
	Silver Lake	\$31,042		
	Sisters		\$268,337	
	Warm Springs		\$478,194	\$478,194

OUSF Supported Exchanges		Company Type		
Region	Exchange	CTL &FTR	Non-rural	ROR
Eastern Oregon	Adrian			\$50,698
	Baker-Sumpter		\$7,847	
	Cove		\$147,391	
	Durkey	\$4,414		
	Elgin		\$308,840	
	Enterprise		\$83,975	
	Flora-Troy			\$31,236
	Granite			\$353,512
	Haines			\$20,444
	Halfway			\$353,512
	Harper			\$21,147
	Huntington	\$9,489		
	Imbler		\$248,826	
	Jordan Valley			\$233,478
	Joseph		\$1,814,736	
	Juntura			\$8,338
	Lostine		\$269,370	
	Med.Springs			\$3,532
	North Powder	\$13,682		
	Nyssa		\$59,739	
	Ontario		\$203,872	
	Oregon Slope		\$12,538	
	Ox Bow			\$368,336
Richland			\$285,912	
Ridgeview			\$70,710	
Union		\$183,359		
Vale		\$55,841		
Wallowa		\$224,498		

OUSF Supported Exchanges		Company Type		
Region	Exchange	CTL &FTR	Non-rural	ROR
North Central	Arlington	\$19,102		
	Athena-Weston		\$409,369	
	Boardman	\$94,966		
	Cascade Locks	\$23,839		
	Condon			\$84,985
	Dufur			\$39,021
	Echo	\$20,744		
	Fossil	\$28,026		
	Grass Valley	\$7,913		
	Helix			\$239,442
	Heppner	\$66,498		
	Hood River	\$167,882		
	Ione	\$19,420		
	Lexington	\$13,167		
	Maupin	\$19,420		
	Milton-Freewater		\$179,029	
	Mitchell	\$18,831		
	Moro	\$13,810		
	Mosier	\$18,799		
	Mt. Hood Valley			\$2,649
	Odell	\$44,201		
	Parkdale	\$32,306		
	Pilot Rock	\$50,904		
	Pine Grove	\$8,533		
	Rufus	\$8,366		
	Spray	\$12,873		
	Stanfield		\$79,932	
	The Dalles	\$196,106		
	Tygh Valley	\$8,533		
	Ukiah	\$11,034		
Umatilla		\$155,897		
Wamic	\$29,424			
Wasco	\$16,330			



OUSF Supported Exchanges		Company Type		
Region	Exchange	CTL &FTR	Non-rural	ROR
Northwest Coast	Bay City	\$13,558		
	Beaver	\$19,757		
	Blodgett, Harlan, Summit			\$10,275
	Cannon Beach		\$355,273	
	Chitwood			\$39,762
	Clatskanie		\$313,122	
	Cloverdale	\$44,050		
	Depoe Bay	\$55,906		
	Garibaldi	\$22,327		
	Gleneden Beach	\$95,481		
	Grand Ronde	\$18,396		
	Jewell	\$38,766		
	Knappa	\$84,962		
	Lincoln City	\$188,143		
	Nehalem			\$414,512
	Pacific City	\$39,413		
	Rainier		\$376,256	
	Rockaway	\$39,715		
	Scappoose	\$185,960		
	Siletz		\$499,208	
	South Beach			\$150,111
	Tillamook	\$204,624		
	Toledo		\$95,485	
Vernonia		\$249,414		
Waldport, Tidewater			\$535,814	
Warrenton		\$16,885		
Westport		\$265,365		
Willamina	\$33,617			
Yachats			\$191,809	

OUSF Supported Exchanges		Company Type		
Region	Exchange	CTL &FTR	Non-rural	ROR
Portland Metro	Amity		\$101,478	
	Beaver Creek			\$254,372
	Burlington		\$161,445	
	Canby			\$592,606
	Carlton	\$27,518		
	Charbonneau	\$24,422		
	Colton			\$39,734
	Corbett			\$85,579
	Dayton		\$95,594	
	Estacada\Eagle Creek\ Ripplebrook			\$292,124
	Forest Grove		\$527,377	
	Government Camp	\$37,516		
	Grand Island		\$91,287	
	Gresham		\$322,247	
	Molalla			\$585,848
	Monitor			\$429,468
	North Plains		\$282,597	
	Redland			\$197,131
Scholls		\$231,431		
Sheridan	\$67,788			
Yamhill		\$369,178		
South Central	Bly	\$10,593		
	Bonanza	\$56,494		
	Burns	\$177,647		
	Chemult	\$8,092		
	Chiloquin	\$85,992		
	Crater Lake	\$5,242		
	Fort Klamath	\$4,487		
	Gilchrist	\$49,212		
	Harney	\$37,442		
	John Day	\$113,944		
	Lakeview	\$137,851		
	Long Creek	\$16,698		
	Malin	\$29,424		
	Merrill	\$41,488		
	Monument	\$18,022		
	Paisley	\$14,050		
	Rocky Point	\$5,811		
	Seneca	\$9,489		
Sprague River	\$19,493			

OUSF Supported Exchanges		Company Type		
Region	Exchange	CTL &FTR	Non-rural	ROR
SW Oregon	Azalea	\$18,856		
	Bandon		\$263,253	\$263,253
	Brookings		\$41,933	
	Butte Falls	\$14,666		
	Camas Valley	\$9,931		
	Canyonville	\$38,474		
	Cave Junction	\$143,355		
	Coos Bay		\$29,522	
	Coquille		\$37,395	\$37,395
	Days Creek	\$28,636		
	Diamond Lake	\$2,268		
	Drane	\$54,802		
	Elkton\Ash Valley\Scottsburg			\$41,092
	Fish Lake	\$6,350		
	Glendale	\$35,195		
	Glide	\$88,346		
	Gold Beach		\$544,104	
	Gold Hill		\$229,450	
	Jacksonville		\$477,901	
	Lakeside		\$89,082	
	Langlois		\$265,148	
	Murphy		\$156,658	
	Myrtle Creek	\$110,971		
	Myrtle Point		\$143,870	\$143,870
	North Umpqua	\$5,591		
	Oakland-Sutherlin		\$5,255	\$5,255
	O'Brien	\$17,275		
	Port Orford		\$209,429	
	Powers		\$258,900	
	Prospect	\$20,966		
	Provolt		\$668,586	
	Reedsport		\$5,260	\$5,260
	Riddle	\$26,235		
	Rogue River		\$288,779	
Roseburg		\$644	\$644	
Selma	\$39,528			
Shady Cove	\$94,147			
White City	\$234,713			
Wolf Creek	\$10,541			
Yoncalla	\$47,888			

Residential and Business Rates		CTL & FTR		Non Rural		ROR	
Region	Exchange	Residential	Business	Residential	Business	Residential	Business
Central Coast	Alea, Lobster Valley					\$30.00	\$32.00
	Aumsville			\$14.34	\$28.75		
	Aurora	\$12.48	\$20.31				
	Bellfountain, Horton, Triangle Lake					\$30.00	\$32.00
	Blodgett, Harlan, Summit					\$15.00	\$16.00
	Blue River			\$14.80	\$30.50		
	Brownsville	\$12.48	\$20.31				
	Corvallis			\$12.80	\$26.00		
	Cottage Grove			\$27.60	\$57.00		
	Creswell	\$12.48	\$20.31				
	Detroit			\$14.34	\$32.95		
	Falls City			\$13.80	\$28.50		
	Gervais					\$17.95	\$22.00
	Halsey					\$16.50	\$22.50
	Indep.-Monmouth			\$12.80	\$26.00		
	Jefferson			\$13.80	\$28.50		
	Junct'n C.-Harrisburg			\$13.80	\$28.50		
	Leaburg			\$14.80	\$30.50		
	Lebanon	\$12.48	\$20.31				
	Lowell			\$13.80	\$28.50		
	Lyons					\$13.95	\$17.95
	Mapleton			\$14.80	\$30.50		
	Marcola			\$14.80	\$30.50		
	Mill City			\$14.34	\$28.75		
	Monroe					\$11.69	\$16.99
	Mt. Angel					\$9.00	\$15.20
Oakridge			\$14.80	\$30.50			
Philomath					\$15.00	\$16.00	
Shedd	\$12.48	\$20.31					
Silverton			\$14.34	\$28.75			
St. Paul					\$10.50	\$10.50	
Stayton					\$11.60	\$14.02	
Sweet Home	\$12.48	\$20.31					
Turner			\$14.34	\$28.75			
Veneta			\$13.80	\$26.00	\$13.80	\$26.00	
Central Oregon	Bend			\$12.80	\$26.00		
	Camp Sherman			\$14.80	\$30.50		
	Culver			\$13.80	\$28.50		
	La Pine			\$13.80	\$28.50		
	Madras			\$13.80	\$28.50		
	Paulina	\$12.48	\$20.31				
	Prineville			\$13.80	\$28.50		
	Silver Lake	\$16.55	\$27.25				
	Sisters			\$13.80	\$26.00		
Warm Springs			\$13.80	\$28.50	\$13.80	\$28.50	

Residential and Business Rates		CTL & FTR		Non Rural		ROR	
Region	Exchange	Residential	Business	Residential	Business	Residential	Business
Eastern Oregon	Adrian					\$11.65	\$23.35
	Baker-Sumpter			\$12.80	\$26.00		
	Cove			\$14.34	\$32.95		
	Durkey	\$12.48	\$20.31				
	Elgin			\$14.34	\$32.95		
	Enterprise			\$14.34	\$28.75		
	Flora-Troy					\$14.75	\$16.65
	Granite					\$14.75	\$19.00
	Haines					\$18.99	\$34.47
	Halfway					\$14.75	\$19.00
	Harper					\$14.35	\$19.00
	Huntington	\$12.48	\$20.31				
	Imbler			\$14.34	\$32.95		
	Jordan Valley					\$13.65	\$26.35
	Joseph			\$14.34	\$32.95		
	Juntura					\$14.35	\$19.00
	Lostine			\$14.34	\$32.95		
	Med.Springs					\$18.99	\$34.47
	North Powder	\$12.48	\$20.31				
	Nyssa			\$13.80	\$29.84		
	Ontario			\$12.80	\$30.19		
	Oregon Slope			\$13.80	\$26.00		
Ox Bow					\$14.75	\$19.00	
Richland					\$14.00	\$16.95	
Ridgeview					\$18.65	\$31.35	
Union				\$14.34	\$32.95		
Vale				\$13.80	\$28.50		
Wallowa				\$14.34	\$32.95		
North Central	Arlington	\$13.43	\$24.00				
	Athena-Weston			\$14.80	\$30.50		
	Boardman	\$12.48	\$20.31				
	Cascade Locks	\$13.43	\$24.00				
	Condon					\$16.55	\$25.55
	Dufur					\$12.45	\$17.40
	Echo	\$12.48	\$20.31				
	Fossil	\$12.48	\$20.31				
	Grass Valley	\$13.43	\$24.00				
	Helix					\$29.60	\$35.20
	Heppner	\$12.48	\$20.31				
	Hood River	\$13.43	\$24.00				
	Ione	\$12.48	\$20.31				
	Lexington	\$12.48	\$20.31				
	Maupin	\$12.48	\$20.31				
	Milton-Freewater			\$13.80	\$28.50		
	Mitchell	\$12.48	\$20.31				
	Moro	\$13.43	\$24.00				
	Mosier	\$13.43	\$24.00				
	Mt. Hood Valley					\$18.99	\$34.47
	Odell	\$13.43	\$24.00				
	Parkdale	\$13.43	\$24.00				
	Pilot Rock	\$12.48	\$20.31				
	Pine Grove	\$12.48	\$20.31				
	Rufus	\$13.43	\$24.00				
	Spray	\$12.48	\$20.31				
	Stanfield			\$13.80	\$30.50		
	The Dalles	\$13.43	\$24.00				
	Tygh Valley	\$12.48	\$20.31				
	Ukiah	\$12.48	\$20.31				
	Umatilla			\$13.80	\$30.54		
	Wamic	\$12.48	\$20.31				
Wasco	\$13.43	\$24.00					

Residential and Business Rates		CTL & FTR		Non Rural		ROR	
Region	Exchange	Residential	Business	Residential	Business	Residential	Business
Northwest Coast	Bay City	\$13.43	\$24.00				
	Beaver	\$13.43	\$24.00				
	Blodgett, Harlan, Summit					\$15.00	\$16.00
	Cannon Beach			\$13.80	\$28.50		
	Chitwood					\$15.00	\$16.00
	Clatskanie			\$14.34	\$28.75		
	Cloverdale	\$13.43	\$24.00				
	Depoe Bay	\$12.48	\$20.31				
	Garibaldi	\$13.43	\$24.00				
	Gleneden Beach	\$12.48	\$20.31				
	Grand Ronde	\$13.43	\$24.00				
	Jewell	\$12.48	\$20.31				
	Knappa	\$12.48	\$20.31				
	Lincoln City	\$13.43	\$24.00				
	Nehalem					\$14.80	\$16.80
	Pacific City	\$13.43	\$24.00				
	Rainier			\$13.80	\$26.00		
	Rockaway	\$13.43	\$24.00				
	Scappoose	\$12.48	\$20.31				
	Siletz			\$14.80	\$28.50		
South Beach					\$15.00	\$16.00	
Tillamook	\$13.43	\$24.00					
Toledo			\$13.80	\$28.50			
Vernonia			\$14.34	\$28.75			
Waldport, Tidewater					\$15.00	\$16.00	
Warrenton			\$12.80	\$30.50			
Westport			\$14.80	\$26.00			
Willamina	\$13.43	\$24.00					
Yachats					\$15.00	\$16.00	
Portland Metro	Amity			\$14.34	\$28.75		
	Beaver Creek					\$27.00	\$27.75
	Burlington			\$13.80	\$28.50		
	Canby					\$25.60	\$39.20
	Carlton	\$13.43	\$24.00				
	Charbonneau	\$12.48	\$20.31				
	Colton					\$16.50	\$28.40
	Corbett					\$18.99	\$34.47
	Dayton			\$14.34	\$28.75		
	Estacada\Eagle Creek\Ripplebrook					\$56.97	\$103.41
	Forest Grove (NOT SUPPORTED)			\$25.18	\$44.00		
	Government Camp	\$12.48	\$20.31				
	Grand Island			\$12.59	\$27.00		
	Gresham (NOT SUPPORTED)			\$37.77	\$71.00		
	Molalla					\$14.95	\$19.95
	Monitor					\$14.05	\$17.20
	North Plains			\$13.80	\$28.50		
Redland					\$18.89	\$29.05	
Scholls			\$14.34	\$28.75			
Sheridan	\$13.43	\$24.00					
Yamhill			\$14.34	\$32.95			

Residential and Business Rates		CTL & FTR		Non Rural		ROR	
Region	Exchange	Residential	Business	Residential	Business	Residential	Business
South Central	Bly	\$12.48	\$20.31				
	Bonanza	\$12.48	\$20.31				
	Burns	\$12.48	\$20.31				
	Chemult	\$12.48	\$20.31				
	Chiloquin	\$12.48	\$20.31				
	Crater Lake	\$13.43	\$24.00				
	Fort Klamath	\$12.48	\$20.31				
	Gilchrist	\$12.48	\$20.31				
	Harney	\$12.48	\$20.31				
	John Day	\$12.48	\$20.31				
	Lakeview	\$12.48	\$20.31				
	Long Creek	\$12.48	\$20.31				
	Malin	\$12.48	\$20.31				
	Merrill	\$12.48	\$20.31				
	Monument	\$12.48	\$20.31				
	Paisley	\$12.48	\$20.31				
	Rocky Point	\$12.48	\$20.31				
Seneca	\$12.48	\$20.31					
Sprague River	\$12.48	\$20.31					
SW Oregon	Azalea	\$14.67	\$26.32				
	Bandon			\$14.34	\$28.75	\$12.59	\$27.00
	Brookings			\$14.34	\$28.75		
	Butte Falls	\$13.43	\$24.00				
	Camas Valley	\$12.48	\$20.31				
	Canyonville	\$14.67	\$26.32				
	Cave Junction	\$14.67	\$26.32				
	Coos Bay			\$14.34	\$28.75		
	Coquille			\$14.34	\$28.75	\$12.59	\$27.00
	Days Creek	\$14.67	\$26.32				
	Diamond Lake	\$13.43	\$24.00				
	Drane	\$12.48	\$20.31				
	Elkton\Ash Valley\Scottsburg					\$37.98	\$68.94
	Fish Lake	\$13.43	\$24.00				
	Glendale	\$14.67	\$26.32				
	Glide	\$12.48	\$20.31				
	Gold Beach			\$14.34	\$28.75		
	Gold Hill			\$13.80	\$28.50		
	Jacksonville			\$13.80	\$28.50		
	Lakeside			\$14.34	\$28.75		
	Langlois			\$14.34	\$32.95		
	Murphy			\$14.34	\$28.75		
	Myrtle Creek	\$14.67	\$26.32				
	Myrtle Point			\$14.34	\$28.75	\$12.59	\$27.00
	North Umpqua	\$12.48	\$20.31				
	Oakland-Sutherlin			\$13.80	\$28.50	\$13.80	\$28.50
	O'Brien	\$14.67	\$26.32				
	Port Orford			\$14.34	\$28.75		
	Powers			\$14.34	\$32.95		
	Prospect	\$13.43	\$24.00				
	Provolt			\$14.34	\$32.95		
	Reedsport			\$14.34	\$28.75	\$12.59	\$27.00
Riddle	\$14.67	\$26.32					
Rogue River			\$13.80	\$26.00			
Roseburg			\$12.80	\$26.00	\$12.80	\$26.00	
Selma	\$14.67	\$26.32					
Shady Cove	\$13.43	\$24.00					
White City	\$13.43	\$24.00					
Wolf Creek	\$14.67	\$26.32					
Yoncalla	\$12.48	\$20.31					



OUSF Supported Exchanges - Number of Lines		Company Type		
Region	Exchange	CTL & FTR	Non Rural	ROR
Central Coast	Alea, Lobster Valley			562
	Aumsville		790	
	Aurora	2,118		
	Bellfountain, Horton, Triangle Lake			828
	Blodgett, Harlan, Summit			351
	Blue River			639
	Brownsville	1,051		
	Corvallis			807
	Cottage Grove			5,594
	Creswell	2,949		
	Detroit			253
	Falls City			319
	Gervais			611
	Halsey			415
	Indep.-Monmouth			2,040
	Jefferson			994
	Junct'n C.-Harrisburg			3,037
	Leaburg			788
	Lebanon	6,373		
	Lowell			985
	Lyons			838
	Mapleton			476
	Marcola			778
	Mill City			646
	Monroe			793
	Mt. Angel			1,271
	Oakridge			1,320
	Philomath			2,759
	Shedd	199		
	Silverton			3,865
	St. Paul			548
	Stayton			4,613
Sweet Home	2,973			
Turner			744	
Veneta			3,413	
				0

OUSF Supported Exchanges - Number of Lines		Company Type		
Region	Exchange	CTL & FTR	Non Rural	ROR
Central Oregon	Bend		2,394	
	Camp Sherman		790	
	Culver		532	
	La Pine		2,489	
	Madras		1,940	
	Paulina	149		
	Prineville		3,632	
	Silver Lake	456		
	Sisters		1,182	
	Warm Springs		314	650
Eastern Oregon	Adrian			76
	Baker-Sumpter		3,822	
	Cove		343	
	Durkey	65		
	Elgin		689	
	Enterprise		1,031	
	Flora-Troy			100
	Granite			310
	Haines			300
	Halfway			310
	Harper			140
	Huntington	141		
	Imbler		355	
	Jordan Valley			350
	Joseph		1,144	
	Juntura			47
	Lostine		189	
	Med.Springs			46
	North Powder	178		
	Nyssa		1,214	
	Ontario		4,197	
	Oregon Slope		255	
	Ox Bow			323
	Richland			426
Ridgeview			106	
Union		511		
Vale		1,127		
Wallowa		432		

OUSF Supported Exchanges - Number of Lines		Company Type		
Region	Exchange	CTL & FTR	Non Rural	ROR
North Central	Arlington	405		
	Athena-Weston		961	
	Boardman	1,307		
	Cascade Locks	480		
	Condon			614
	Dufur			366
	Echo	305		
	Fossil	368		
	Grass Valley	165		
	Helix			214
	Heppner	914		
	Hood River	3,542		
	Ione	273		
	Lexington	181		
	Maupin	273		
	Milton-Freewater			1,999
	Mitchell	269		
	Moro	289		
	Mosier	404		
	Mt. Hood Valley			47
	Odell	937		
	Parkdale	658		
	Pilot Rock	702		
	Pine Grove	120		
	Rufus	179		
	Spray	185		
	Stanfield			328
	The Dalles	4,228		
	Tygh Valley	124		
	Ukiah	154		
Umatilla			1,683	
Wamic	408			
Wasco	332			

OUSF Supported Exchanges - Number of Lines		Company Type		
Region	Exchange	CTL & FTR	Non Rural	ROR
Northwest Coast	Bay City	305		
	Beaver	411		
	Blodgett, Harlan, Summit			69
	Cannon Beach		1,265	
	Chitwood			260
	Clatskanie		1,255	
	Cloverdale	947		
	Depoe Bay	849		
	Garibaldi	469		
	Gleneden Beach	1,370		
	Grand Ronde	378		
	Jewell	532		
	Knappa	1,156		
	Lincoln City	4,106		
	Nehalem			2,345
	Pacific City	828		
	Rainier		2,031	
	Rockaway	821		
	Scappoose	2,585		
	Siletz		932	
	South Beach			1,034
	Tillamook	4,410		
	Toledo		886	
	Vernonia		1,034	
Waldport, Tidewater			3,635	
Warrenton		1,487		
Westport		240		
Willamina	725			
Yachats			1,311	

OUSF Supported Exchanges - Number of Lines		Company Type		
Region	Exchange	CTL & FTR	Non Rural	ROR
Portland Metro	Amity		689	
	Beaver Creek			2,660
	Burlington		787	
	Canby			8,360
	Carlton	567		
	Charbonneau	360		
	Colton			927
	Corbett			1,285
	Dayton		893	
	Estacada\Eagle Creek\Ripplebrook			4,315
	Forest Grove		1,802	
	Government Camp	517		
	Grand Island		321	
	Gresham		5,313	
	Molalla			3,737
	Monitor			501
	North Plains		1,392	
	Redland			2,329
Scholls			1,435	
Sheridan	1,413			
Yamhill			913	
South Central	Bly	155		
	Bonanza	809		
	Burns	2,437		
	Chemult	123		
	Chiloquin	1,236		
	Crater Lake	89		
	Fort Klamath	63		
	Gilchrist	684		
	Harney	524		
	John Day	1,555		
	Lakeview	1,976		
	Long Creek	241		
	Malin	395		
	Merrill	587		
	Monument	249		
	Paisley	202		
	Rocky Point	84		
	Seneca	135		
Sprague River	283			

OUSF Supported Exchanges - Number of Lines		Company Type		
Region	Exchange	CTL & FTR	Non Rural	ROR
SW Oregon	Azalea	336		
	Bandon		1,838	1,629
	Brookings		3,323	
	Butte Falls	305		
	Camas Valley	147		
	Canyonville	708		
	Cave Junction	2,541		
	Coos Bay		4,130	
	Coquille		1,509	405
	Days Creek	485		
	Diamond Lake	47		
	Drane	771		
	Elkton\Ash Valley\Scottsburg			607
	Fish Lake	130		
	Glendale	626		
	Glide	1,208		
	Gold Beach		1,737	
	Gold Hill		1,028	
	Jacksonville		1,598	
	Lakeside		545	
	Langlois		311	
	Murphy		568	
	Myrtle Creek	2,059		
	Myrtle Point		1,148	432
	North Umpqua	81		
	Oakland-Sutherlin		2,596	30
	O'Brien	298		
	Port Orford		713	
	Powers		289	
	Prospect	412		
	Provolt		1,331	
	Reedsport		1,251	95
	Riddle	497		
Rogue River		2,321		
Roseburg		2,722	6	
Selma	691			
Shady Cove	1,891			
White City	4,932			
Wolf Creek	195			
Yoncalla	672			

OUSF Supported Exchanges - Broadband Accessible Lines			Company Classification					
Region	Exchange	Co Name	CTL & FTR		Non Rural		ROR	
			Average (%) Broadband Accessible	Broadband Accessible Lines	Average (%) Broadband Accessible	Broadband Accessible Lines	Average (%) Broadband Accessible	Broadband Accessible Lines
Central Coast	Alesea, Lobster Valley	Pioneer					100%	562
	Aumsville	Frontier			69%	537		
	Aurora	CenturyTel of Eastern Oregon	89%	1,342				
	Bellfountain, Horton, Triangle Lake	Pioneer					100%	828
	Blodgett, Harlan, Summit	Pioneer					100%	351
	Blue River	Qwest			25%	150		
	Brownsville	CenturyTel of Eastern Oregon	69%	669				
	Corvallis	Qwest			28%	233		
	Cottage Grove	Qwest			65%	4,066		
	Creswell	CenturyTel of Eastern Oregon	82%	2,012				
	Detroit	Frontier			50%	128		
	Falls City	Qwest			92%	343		
	Gervais	Gervais					100%	506
	Halsey	Roome					80%	219
	Indep.-Monmouth	Qwest			65%	1,606		
	Jefferson	Qwest			78%	1,112		
	Junct'n C.-Harrisburg	Qwest			0%	0		
	Leaburg	Qwest			66%	566		
	Lebanon	CenturyTel of Eastern Oregon	82%	4,505				
	Lowell	Qwest			51%	605		
	Lyons	Peoples					100%	834
	Mapleton	Qwest			44%	212		
	Marcola	Qwest			55%	446		
	Mill City	Frontier			40%	254		
	Monroe	Monroe					100%	793
	Mt. Angel	Mt. Angel					100%	1,496
	Oakridge	Qwest			68%	1,060		
	Philomath	Pioneer					100%	2,759
	Shedd	CenturyTel of Oregon	0%	0				
	Silverton	Frontier			83%	3,148		
St. Paul	St. Paul					100%	397	
Stayton	Stayton					100%	4,612	
Sweet Home	CenturyTel of Eastern Oregon	85%	2,252					
Turner	Frontier			34%	249			
Veneta	Comspan					50%	2,048	
		Qwest			50%	2,048		
Central Coast Total			68%	10,780	54%	16,764	95%	15,405



OUSF Supported Exchanges - Broadband Accessible Lines			Company Classification					
			CTL & FTR		Non Rural		ROR	
Region	Exchange	Co Name	Average (%) Broadband Accessible	Broadband Accessible Lines	Average (%) Broadband Accessible	Broadband Accessible Lines	Average (%) Broadband Accessible	Broadband Accessible Lines
Central Oregon	Bend	Qwest						
	Camp Sherman	Qwest			27%	213		
	Culver	Qwest			59%	376		
	La Pine	Qwest			58%	1,663		
	Madras	Qwest			61%	1,248		
	Paulina	CenturyTel of Oregon	0%	0				
	Prineville	Qwest			54%	2,107		
	Silver Lake	CenturyTel of Oregon	0%	0				
	Sisters	Qwest			57%	679		
	Warm Springs	Qwest			88%	276		
Central Oregon Total			0%	0	58%	6,563	88%	276
Eastern Oregon	Adrian	Oregon-Idaho					100%	76
	Baker-Sumpter	Qwest			85%	3,397		
	Cove	Frontier			66%	223		
	Durkey	CenturyTel of Oregon	64%	27				
	Elgin	Frontier			82%	554		
	Enterprise	Frontier			44%	443		
	Flora-Troy	Asotin - DBA TDS					3%	3
	Granite	Pine					100%	82
	Haines	Cascades Utilities, Inc.					100%	300
	Halfway	Pine					100%	704
	Harper	Oregon-Tel					0%	0
	Huntington	CenturyTel of Oregon	82%	113				
	Imbler	Frontier			69%	239		
	Jordan Valley	Oregon-Idaho					95%	339
	Joseph	Frontier			27%	519		
	Juntura	Oregon-Tel					0%	0
	Lostine	Frontier			85%	160		
	Med.Springs	Cascades Utilities, Inc.					100%	46
	North Powder	CenturyTel of Oregon	77%	105				
	Nyssa	Qwest			53%	694		
	Ontario	Qwest			86%	3,260		
	Oregon Slope	Qwest			0%	0		
	Ox Bow	Pine					100%	0
Richland	Eagle Telephone Co.					98%	416	
Ridgeview	Oregon-Idaho					98%	101	
Union	Frontier			63%	318			
Vale	Qwest			54%	643			
Wallowa	Frontier			52%	223			
Eastern Oregon Total			74%	246	57%	10,673	75%	2,067

OUSF Supported Exchanges - Broadband Accessible Lines			Company Classification					
			CTL & FTR		Non Rural		ROR	
Region	Exchange	Co Name	Average (%) Broadband Accessible	Broadband Accessible Lines	Average (%) Broadband Accessible	Broadband Accessible Lines	Average (%) Broadband Accessible	Broadband Accessible Lines
North Central	Arlington	United	37%	140				
	Athena-Weston	Qwest			64%	685		
	Boardman	CenturyTel of Oregon	91%	830				
	Cascade Locks	United	100%	373				
	Condon	Home - DBA TDS					77%	473
	Dufur	North-State					97%	371
	Echo	CenturyTel of Oregon	64%	166				
	Fossil	CenturyTel of Oregon	0%	0				
	Grass Valley	United	59%	87				
	Helix	Helix					44%	92
	Heppner	CenturyTel of Oregon	73%	517				
	Hood River	United	99%	2,582				
	Ione	CenturyTel of Oregon	0%	0				
	Lexington	CenturyTel of Oregon	69%	122				
	Maupin	CenturyTel of Oregon	85%	197				
	Milton-Freewater	Qwest			75%	1,367		
	Mitchell	CenturyTel of Oregon	0%	0				
	Moro	United	92%	191				
	Mosier	United	85%	293				
	Mt. Hood Valley	Cascades Utilities, Inc.					98%	46
	Odell	United	81%	629				
	Parkdale	United	74%	428				
	Pilot Rock	CenturyTel of Oregon	58%	169				
	Pine Grove	CenturyTel of Oregon	0%	0				
	Rufus	United	98%	104				
	Spray	CenturyTel of Oregon	0%	0				
	Stanfield	Qwest			90%	380		
	The Dalles	United	81%	2,368				
Tygh Valley	CenturyTel of Oregon	0%	0					
Ukiah	CenturyTel of Oregon	0%	0					
Umatilla	Qwest			77%	1,666			
Wamic	CenturyTel of Oregon	24%	83					
Wasco	United	81%	190					
North Central Total			54%	9,469	77%	4,097	72%	981

OUSF Supported Exchanges - Broadband Accessible Lines			Company Classification					
Region	Exchange	Co Name	CTL & FTR		Non Rural		ROR	
			Average (%) Broadband Accessible	Broadband Accessible Lines	Average (%) Broadband Accessible	Broadband Accessible Lines	Average (%) Broadband Accessible	Broadband Accessible Lines
Northwest Coast	Bay City	United	99%	252				
	Beaver	United	78%	299				
	Blodgett, Harlan, Summit	Pioneer					100%	69
	Cannon Beach	Qwest			66%	731		
	Chitwood	Pioneer					100%	260
	Clatskanie	Frontier			23%	281		
	Cloverdale	United	76%	617				
	Depoe Bay	CenturyTel of Eastern Oregon	86%	577				
	Garibaldi	United	68%	256				
	Gleneden Beach	CenturyTel of Eastern Oregon	92%	1,121				
	Grand Ronde	United	79%	250				
	Jewell	CenturyTel of Oregon	53%	248				
	Knappa	CenturyTel of Eastern Oregon	90%	973				
	Lincoln City	United	83%	2,554				
	Nehalem	Nehalem					100%	2,239
	Pacific City	United	87%	601				
	Rainier	Qwest			62%	1,340		
	Rockaway	United	100%	729				
	Scappoose	CenturyTel of Eastern Oregon	95%	2,144				
	Siletz	Qwest			71%	671		
	South Beach	Pioneer					100%	1,034
	Tillamook	United	72%	2,372				
	Toledo	Qwest			56%	508		
Vernonia	Frontier			75%	765			
Waldport, Tidewater	Pioneer					100%	3,635	
Warrenton	Qwest			79%	1,099			
Westport	Qwest			88%	211			
Willamina	United	58%	350					
Yachats	Pioneer					100%	1,311	
Northwest Coast Total			81%	13,343	65%	5,606	100%	8,548

OUSF Supported Exchanges - Broadband Accessible Lines			Company Classification					
			CTL & FTR		Non Rural		ROR	
Region	Exchange	Co Name	Average (%) Broadband Accessible	Broadband Accessible Lines	Average (%) Broadband Accessible	Broadband Accessible Lines	Average (%) Broadband Accessible	Broadband Accessible Lines
Portland Metro	Amity	Frontier			81%	544		
	Beaver Creek	Beaver Creek Cooperative					60%	1,473
	Burlington	Qwest			25%	203		
	Canby	Canby					100%	8,360
	Carlton	United	56%	271				
	Charbonneau	CenturyTel of Eastern Oregon	100%	309				
	Colton	Colton Telephone Co.					100%	889
	Corbett	Cascades Utilities, Inc.					100%	1,285
	Dayton	Frontier			100%	867		
	Estacada\Eagle Creek\ Ripplebrook	Cascades Utilities, Inc.					99%	6,967
	Forest Grove	Frontier			82%	1,509		
	Government Camp	CenturyTel of Oregon	99%	412				
	Grand Island	Frontier			90%	285		
	Gresham	Frontier			96%	6,906		
	Molalla	Molalla					100%	3,137
	Monitor	Monitor					100%	510
	North Plains	Qwest			33%	450		
Redland	Clear Creek Mutual Telephone Co.					100%	2,526	
Scholls	Frontier			56%	796			
Sheridan	United	72%	890					
Yamhill	Frontier			71%	635			
Portland Metro Total			82%	1,882	76%	12,195	95%	25,147
South Central	Bly	CenturyTel of Oregon	67%	101				
	Bonanza	CenturyTel of Oregon	20%	141				
	Burns	CenturyTel of Oregon	93%	1,739				
	Chemult	CenturyTel of Oregon	0%	0				
	Chiloquin	CenturyTel of Oregon	38%	360				
	Crater Lake	United	0%	0				
	Fort Klamath	CenturyTel of Oregon	0%	0				
	Gilchrist	CenturyTel of Oregon	61%	338				
	Harney	CenturyTel of Oregon	0%	0				
	John Day	CenturyTel of Oregon	80%	943				
	Lakeview	CenturyTel of Oregon	64%	913				
	Long Creek	CenturyTel of Oregon	0%	0				
	Malin	CenturyTel of Oregon	68%	251				
	Merrill	CenturyTel of Oregon	83%	379				
	Monument	CenturyTel of Oregon	0%	0				
	Paisley	CenturyTel of Oregon	0%	0				
	Rocky Point	CenturyTel of Oregon	0%	0				
Seneca	CenturyTel of Oregon	0%	0					
Sprague River	CenturyTel of Oregon	0%	0					
South Central Total			30%	5,166				

OUSF Supported Exchanges - Broadband Accessible Lines			Company Classification					
			CTL & FTR		Non Rural		ROR	
Region	Exchange	Co Name	Average (%) Broadband Accessible	Broadband Accessible Lines	Average (%) Broadband Accessible	Broadband Accessible Lines	Average (%) Broadband Accessible	Broadband Accessible Lines
SW Oregon	Azalea	Citizens Telecom of Oregon	51%	171				
	Bandon	Comspan					85%	1,549
		Frontier			85%	1,549		
	Brookings	Frontier			97%	3,160		
	Butte Falls	United	76%	196				
	Camas Valley	CenturyTel of Oregon	0%	0				
	Canyonville	Citizens Telecom of Oregon	72%	564				
	Cave Junction	Citizens Telecom of Oregon	84%	2,179				
	Coos Bay	Frontier			75%	3,047		
	Coquille	Comspan					100%	1,481
		Frontier			100%	1,481		
	Days Creek	Citizens Telecom of Oregon	54%	281				
	Diamond Lake	United	0%	0				
	Drane	CenturyTel of Oregon	91%	606				
	Elkton\Ash Valley\Scottsburg	Cascades Utilities, Inc.					100%	63
	Fish Lake	United	51%	57				
	Glendale	Citizens Telecom of Oregon	76%	527				
	Glide	CenturyTel of Oregon	73%	781				
	Gold Beach	Frontier			48%	808		
	Gold Hill	Qwest			31%	377		
	Jacksonville	Qwest			48%	723		
	Lakeside	Frontier			59%	318		
	Langlois	Frontier			75%	224		
	Murphy	Frontier			58%	161		
	Myrtle Creek	Citizens Telecom of Oregon	71%	1,549				
	Myrtle Point	Comspan					63%	717
		Frontier			63%	717		
	North Umpqua	CenturyTel of Oregon	0%	0				
	Oakland-Sutherlin	Comspan					59%	1,666
		Qwest			59%	1,666		
	O'Brien	Citizens Telecom of Oregon	84%	260				
	Port Orford	Frontier			61%	429		
Powers	Frontier			88%	253			
Prospect	United	83%	304					
Provolt	Frontier			17%	222			
Reedsport	Comspan					76%	928	
	Frontier			76%	928			
Riddle	Citizens Telecom of Oregon	91%	511					
Rogue River	Qwest			32%	792			
Roseburg	Comspan					49%	1,334	
	Qwest			49%	1,334			
Selma	Citizens Telecom of Oregon	100%	689					
Shady Cove	United	97%	1,681					
White City	United	81%	3,103					
Wolf Creek	Citizens Telecom of Oregon	99%	203					
Yoncalla	CenturyTel of Eastern Oregon	53%	316					
SW Oregon Total			66%	13,976	62%	18,189	76%	7,738
Grand Total			58%	54,861	62%	74,087	86%	60,162

OUSF Supported Exchanges - Maximum Advertised Download Speed / Typical Speeds				Max Download	Typical Download	Typical Upload
REGION	EXCHANGE	CLLI	TRANSMISSION TECHNOLOGY			
Central	Camp Sherman	BLBT	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
			Cable Modem DOCSIS 3.0	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
			Symmetric xDSL	50 Mbps < Rate < 100 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable
	Culver	CLVR	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	768 kbps < Rate < 1.5 Mbps
				25 Mbps < Rate < 50 Mbps	25 Mbps < Rate < 50 Mbps	10 Mbps < Rate < 25 Mbps
			Cable Modem (other)	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	1.5 Mbps < Rate < 3 Mbps
				10 Mbps < Rate < 25 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps
			Cable Modem DOCSIS 3.0	50 Mbps < Rate < 100 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Optical Carrier/Fiber to End User	25 Mbps < Rate < 50 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps
				100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
			Other Copper wire	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps
			Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps
			LaPine	LAPI	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps
	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps				200 kbps < Rate < 768 kbps
	Cable Modem (other)	3 Mbps < Rate < 6 Mbps			3 Mbps < Rate < 6 Mbps	1.5 Mbps < Rate < 3 Mbps
	Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps			100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
	Other Copper wire	6 Mbps < Rate < 10 Mbps			Data Unavailable	1.5 Mbps < Rate < 3 Mbps
		10 Mbps < Rate < 25 Mbps			Data Unavailable	1.5 Mbps < Rate < 3 Mbps
	Symmetric xDSL	6 Mbps < Rate < 10 Mbps			Data Unavailable	Data Unavailable
		10 Mbps < Rate < 25 Mbps			3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps
	Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps		
		3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps		
	Madras	MDRS	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	768 kbps < Rate < 1.5 Mbps
			Cable Modem (other)	10 Mbps < Rate < 25 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps
			Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
			Other Copper wire	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps
	Paulina	PALN	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps

OUSF Supported Exchanges - Maximum Advertised Download Speed / Typical Speeds				Max Download	Typical Download	Typical Upload		
REGION	EXCHANGE	CLLI	TRANSMISSION TECHNOLOGY					
Central	Prineville	PRVL	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps		
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps		
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	768 kbps < Rate < 1.5 Mbps		
				25 Mbps < Rate < 50 Mbps	25 Mbps < Rate < 50 Mbps	10 Mbps < Rate < 25 Mbps		
			Cable Modem (other)	10 Mbps < Rate < 25 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps		
			Optical Carrier/Fiber to End User	1Gbps < Rate	1Gbps < Rate	1Gbps < Rate		
				100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps		
			Other Copper wire	6 Mbps < Rate < 10 Mbps	Data Unavailable	1.5 Mbps < Rate < 3 Mbps		
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps		
			Symmetric xDSL	6 Mbps < Rate < 10 Mbps	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps		
				10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps		
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps		
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	1.5 Mbps < Rate < 3 Mbps		
			Silver Lake	SLLK	Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
	Terrestrial Fixed	6 Mbps < Rate < 10 Mbps			6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps		
	Sisters	SSTR	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps		
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps		
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	768 kbps < Rate < 1.5 Mbps		
				25 Mbps < Rate < 50 Mbps	25 Mbps < Rate < 50 Mbps	3 Mbps < Rate < 6 Mbps		
			Cable Modem DOCSIS 3.0	50 Mbps < Rate < 100 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps		
			Optical Carrier/Fiber to End User	1Gbps < Rate	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps		
				25 Mbps < Rate < 50 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps		
			Other Copper wire	6 Mbps < Rate < 10 Mbps	Data Unavailable	1.5 Mbps < Rate < 3 Mbps		
				10 Mbps < Rate < 25 Mbps	Data Unavailable	1.5 Mbps < Rate < 3 Mbps		
			Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable		
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps		
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps		
			Thorn A	CLVR	Optical Carrier/Fiber to End User	25 Mbps < Rate < 50 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps
					Other Copper wire	6 Mbps < Rate < 10 Mbps	Data Unavailable	1.5 Mbps < Rate < 3 Mbps
	10 Mbps < Rate < 25 Mbps	Data Unavailable				1.5 Mbps < Rate < 3 Mbps		
	Symmetric xDSL	6 Mbps < Rate < 10 Mbps			Data Unavailable	Data Unavailable		
	Thorn B	CLVR	Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps		
			Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable		
	Three Rivers	CLVR	Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps		
			Asymmetric xDSL	25 Mbps < Rate < 50 Mbps	25 Mbps < Rate < 50 Mbps	3 Mbps < Rate < 6 Mbps		
			Optical Carrier/Fiber to End User	25 Mbps < Rate < 50 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps		
			Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable		
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps		
	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps		1.5 Mbps < Rate < 3 Mbps				



OUSF Supported Exchanges - Maximum Advertised Download Speed / Typical Speeds				Max Download	Typical Download	Typical Upload		
REGION	EXCHANGE	CLLI	TRANSMISSION TECHNOLOGY					
Central Coast	Alsea	ALSE	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps		
			Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable		
			Terrestrial Fixed	50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps 6 Mbps < Rate < 10 Mbps		
	Aumsville Turner	AMVL	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps		
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps		
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps		
			Cable Modem (other)	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps		
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable		
			Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps		
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps 50 Mbps < Rate < 100 Mbps	Data Unavailable 6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps 6 Mbps < Rate < 10 Mbps		
	Aurora	AURR	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps 768 kbps < Rate < 1.5 Mbps		
				3 Mbps < Rate < 6 Mbps	Data Unavailable	200 kbps < Rate < 768 kbps		
				10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable		
			Cable Modem (other)	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps		
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable		
			Optical Carrier/Fiber to End User	10 Mbps < Rate < 25 Mbps 100 Mbps < Rate < 1Gbps	6 Mbps < Rate < 10 Mbps 100 Mbps < Rate < 1Gbps	3 Mbps < Rate < 6 Mbps 100 Mbps < Rate < 1Gbps		
			Other Copper wire	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps		
			Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable		
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps 10 Mbps < Rate < 25 Mbps 50 Mbps < Rate < 100 Mbps	Data Unavailable Data Unavailable 6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps Data Unavailable 6 Mbps < Rate < 10 Mbps		
			Bellfountain	BLFN	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps
						10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps
	Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps			Data Unavailable	Data Unavailable		
	Symmetric xDSL	6 Mbps < Rate < 10 Mbps			Data Unavailable	Data Unavailable		
	Terrestrial Fixed	10 Mbps < Rate < 25 Mbps 50 Mbps < Rate < 100 Mbps			6 Mbps < Rate < 10 Mbps 6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps 1.5 Mbps < Rate < 3 Mbps 6 Mbps < Rate < 10 Mbps		
	Blodgett	BLDG	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps		
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable		
			Terrestrial Fixed	50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps 6 Mbps < Rate < 10 Mbps		
	Blue River	BLRV	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps		
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps		
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps		
				25 Mbps < Rate < 50 Mbps	25 Mbps < Rate < 50 Mbps	10 Mbps < Rate < 25 Mbps		
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable		
			Other Copper wire	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps		
			Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable		
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps 50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps 6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps 6 Mbps < Rate < 10 Mbps		

OUSF Supported Exchanges - Maximum Advertised Download Speed / Typical Speeds				Max Download	Typical Download	Typical Upload
REGION	EXCHANGE	CLLI	TRANSMISSION TECHNOLOGY			
Central Coast	Brownsville	BWVL	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	Data Unavailable	1.5 Mbps < Rate < 3 Mbps
				10 Mbps < Rate < 25 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
	50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps		1.5 Mbps < Rate < 3 Mbps 6 Mbps < Rate < 10 Mbps		
	Cottage Grove	CTGV	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable
			Other Copper wire	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps
			Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable
	Terrestrial Fixed	10 Mbps < Rate < 25 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps		
		50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps		
		Creswell	CRWL	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps
	3 Mbps < Rate < 6 Mbps				3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps
	10 Mbps < Rate < 25 Mbps				10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
	Cable Modem DOCSIS 3.0			100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable
	Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable		
	Terrestrial Fixed	10 Mbps < Rate < 25 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps		
		50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps		
		Detroit	DTRT	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps
	Cable Modem DOCSIS 3.0				100 Mbps < Rate < 1Gbps	Data Unavailable
	Symmetric xDSL			6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable
	Terrestrial Fixed			6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps
		50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps		
	Falls City	FLCY	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	768 kbps < Rate < 1.5 Mbps
Cable Modem (other)			10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps	
Other Copper wire			10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	
Symmetric xDSL			6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable	
Terrestrial Fixed	50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps 6 Mbps < Rate < 10 Mbps			

OUSF Supported Exchanges - Maximum Advertised Download Speed / Typical Speeds			Max Download	Typical Download	Typical Upload	
REGION	EXCHANGE	CLLI	TRANSMISSION TECHNOLOGY			
Central Coast	Gervais	GRVS	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable
				10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				25 Mbps < Rate < 50 Mbps	10 Mbps < Rate < 25 Mbps	768 kbps < Rate < 1.5 Mbps
			Cable Modem (other)	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	768 kbps < Rate < 1.5 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps
			Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable
				6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
				10 Mbps < Rate < 25 Mbps	6 Mbps < Rate < 10 Mbps	3 Mbps < Rate < 6 Mbps
			Symmetric xDSL	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
				6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable
				6 Mbps < Rate < 10 Mbps	Data Unavailable	768 kbps < Rate < 1.5 Mbps
			Terrestrial Fixed	10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable
				50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps
					6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps
	Grand Rhonde	GRRN	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Cable Modem (other)	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	Data Unavailable	768 kbps < Rate < 1.5 Mbps
				50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps
	Halsey	HLSY	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable
			Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
				6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable
			Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable
				6 Mbps < Rate < 10 Mbps	Data Unavailable	1.5 Mbps < Rate < 3 Mbps
				10 Mbps < Rate < 25 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
			Terrestrial Fixed	50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps
		6 Mbps < Rate < 10 Mbps		6 Mbps < Rate < 10 Mbps		
		6 Mbps < Rate < 10 Mbps		6 Mbps < Rate < 10 Mbps		
	Harrisburg	JNCY	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	768 kbps < Rate < 1.5 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable
			Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
				6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable
			Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable
				6 Mbps < Rate < 10 Mbps	Data Unavailable	1.5 Mbps < Rate < 3 Mbps
				10 Mbps < Rate < 25 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
			Terrestrial Fixed	50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps
				6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	
				6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	
Horton	BLFN	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps	
		Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable	
		Terrestrial Fixed	50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps	
		6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps			

OUSF Supported Exchanges - Maximum Advertised Download Speed / Typical Speeds				Max Download	Typical Download	Typical Upload
REGION	EXCHANGE	CLLI	TRANSMISSION TECHNOLOGY			
Central Coast	Independence	INDP	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps
			Cable Modem (other)	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable
			Optical Carrier/Fiber to End User	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps
				100 Mbps < Rate < 1Gbps	6 Mbps < Rate < 10 Mbps	3 Mbps < Rate < 6 Mbps
			Other Copper wire	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps
			Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	Data Unavailable	1.5 Mbps < Rate < 3 Mbps
						768 kbps < Rate < 1.5 Mbps
				50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps
						6 Mbps < Rate < 10 Mbps
			Jefferson	JFSN	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps
	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps				200 kbps < Rate < 768 kbps
	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps				768 kbps < Rate < 1.5 Mbps
	25 Mbps < Rate < 50 Mbps	25 Mbps < Rate < 50 Mbps				10 Mbps < Rate < 25 Mbps
	Cable Modem (other)	10 Mbps < Rate < 25 Mbps			10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
	Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps			Data Unavailable	Data Unavailable
	Optical Carrier/Fiber to End User	10 Mbps < Rate < 25 Mbps			Data Unavailable	Data Unavailable
		100 Mbps < Rate < 1Gbps			100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
	Other Copper wire	6 Mbps < Rate < 10 Mbps			6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps
	Symmetric xDSL	6 Mbps < Rate < 10 Mbps			Data Unavailable	Data Unavailable
	Terrestrial Fixed	6 Mbps < Rate < 10 Mbps			Data Unavailable	1.5 Mbps < Rate < 3 Mbps
						768 kbps < Rate < 1.5 Mbps
		50 Mbps < Rate < 100 Mbps			6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps
						6 Mbps < Rate < 10 Mbps
	Junction City	JNCY	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	768 kbps < Rate < 1.5 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable
			Other Copper wire	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps
			Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	Data Unavailable	1.5 Mbps < Rate < 3 Mbps
10 Mbps < Rate < 25 Mbps				6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps	
50 Mbps < Rate < 100 Mbps				6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps	
					6 Mbps < Rate < 10 Mbps	
Leaburg	LEBG	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps	
			3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps	
			25 Mbps < Rate < 50 Mbps	25 Mbps < Rate < 50 Mbps	10 Mbps < Rate < 25 Mbps	
		Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable	
		Terrestrial Fixed	50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	

OUSF Supported Exchanges - Maximum Advertised Download Speed / Typical Speeds				Max Download	Typical Download	Typical Upload
REGION	EXCHANGE	CLLI	TRANSMISSION TECHNOLOGY			
Central Coast	Lebanon	LBNN	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
				25 Mbps < Rate < 50 Mbps	25 Mbps < Rate < 50 Mbps	10 Mbps < Rate < 25 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable
			Optical Carrier/Fiber to End User	1Gbps < Rate	1Gbps < Rate	1Gbps < Rate
				10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	Data Unavailable	1.5 Mbps < Rate < 3 Mbps
				10 Mbps < Rate < 25 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
				50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps
			6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	
			Lobster Valley	ALSE	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps
	Lowell	LWLL	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	768 kbps < Rate < 1.5 Mbps
				25 Mbps < Rate < 50 Mbps	25 Mbps < Rate < 50 Mbps	3 Mbps < Rate < 6 Mbps
			Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
			Other Copper wire	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps
			Terrestrial Fixed	10 Mbps < Rate < 25 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
				50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps
	Lyons	LYNS	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
				25 Mbps < Rate < 50 Mbps	25 Mbps < Rate < 50 Mbps	10 Mbps < Rate < 25 Mbps
			Cable Modem (other)	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Optical Carrier/Fiber to End User	10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable
				25 Mbps < Rate < 50 Mbps	25 Mbps < Rate < 50 Mbps	3 Mbps < Rate < 6 Mbps
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	Data Unavailable	1.5 Mbps < Rate < 3 Mbps
				50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps
	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps			
	Mapleton	MPTN	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps
			Other Copper wire	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps
				50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps
	Marcola	MRCL	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	768 kbps < Rate < 1.5 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable
			Other Copper wire	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	Data Unavailable	1.5 Mbps < Rate < 3 Mbps
				10 Mbps < Rate < 25 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
50 Mbps < Rate < 100 Mbps				6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps	
6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps				
Mill City	MLCY	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
			10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	768 kbps < Rate < 1.5 Mbps	
		Cable Modem (other)	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
		Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	Data Unavailable	1.5 Mbps < Rate < 3 Mbps	
			50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	

OUSF Supported Exchanges - Maximum Advertised Download Speed / Typical Speeds			Max Download	Typical Download	Typical Upload			
REGION	EXCHANGE	CLLI	TRANSMISSION TECHNOLOGY					
Central Coast	Monroe	MONR	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps		
				10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps		
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable		
			Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable		
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	Data Unavailable	1.5 Mbps < Rate < 3 Mbps		
				10 Mbps < Rate < 25 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps		
				50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps		
						6 Mbps < Rate < 10 Mbps		
			Mt Angel	MTAN	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
						3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable
	10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps				768 kbps < Rate < 1.5 Mbps		
		10 Mbps < Rate < 25 Mbps				1.5 Mbps < Rate < 3 Mbps		
	Cable Modem (other)	10 Mbps < Rate < 25 Mbps			10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps		
	Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps			Data Unavailable	Data Unavailable		
	Optical Carrier/Fiber to End User	6 Mbps < Rate < 10 Mbps			6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps		
	Other Copper wire	10 Mbps < Rate < 25 Mbps			10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps		
	Terrestrial Fixed	6 Mbps < Rate < 10 Mbps			Data Unavailable	768 kbps < Rate < 1.5 Mbps		
		50 Mbps < Rate < 100 Mbps			6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps		
			6 Mbps < Rate < 10 Mbps					
	Oakridge	OKRG	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps		
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps		
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	768 kbps < Rate < 1.5 Mbps		
			Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps		
			Other Copper wire	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps		
			Terrestrial Fixed	50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps		
	Philomath	PHLM	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps		
				10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps		
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable		
			Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable		
			Terrestrial Fixed	10 Mbps < Rate < 25 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps		
				50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps		
			6 Mbps < Rate < 10 Mbps					
	Shedd	SHDD	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps		
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps		
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps		
				25 Mbps < Rate < 50 Mbps	25 Mbps < Rate < 50 Mbps	10 Mbps < Rate < 25 Mbps		
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable		
			Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps		
			Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable		
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	Data Unavailable	1.5 Mbps < Rate < 3 Mbps		
				10 Mbps < Rate < 25 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps		
				50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps		
		6 Mbps < Rate < 10 Mbps						

OUSF Supported Exchanges - Maximum Advertised Download Speed / Typical Speeds				Max Download	Typical Download	Typical Upload		
REGION	EXCHANGE	CLLI	TRANSMISSION TECHNOLOGY					
Central Coast	Silverton	SLTN	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps		
				3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable		
				10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps		
						10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
			Cable Modem (other)		10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
			Cable Modem DOCSIS 3.0		100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable	
			Optical Carrier/Fiber to End User		6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	
					100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	
			Symmetric xDSL		6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable	
			Terrestrial Fixed		6 Mbps < Rate < 10 Mbps	Data Unavailable	1.5 Mbps < Rate < 3 Mbps	768 kbps < Rate < 1.5 Mbps
		50 Mbps < Rate < 100 Mbps		6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps	6 Mbps < Rate < 10 Mbps		
	St Paul	STPL	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps		
				3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable		
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps		
			Cable Modem DOCSIS 3.0		100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable	
Symmetric xDSL				6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable		
Terrestrial Fixed				6 Mbps < Rate < 10 Mbps	Data Unavailable	768 kbps < Rate < 1.5 Mbps		
		10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable				
		50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps	6 Mbps < Rate < 10 Mbps			
Stayton	STTN	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps			
			10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps			
			25 Mbps < Rate < 50 Mbps	25 Mbps < Rate < 50 Mbps	10 Mbps < Rate < 25 Mbps			
		Cable Modem (other)		10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps		
		Optical Carrier/Fiber to End User		10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable		
				25 Mbps < Rate < 50 Mbps	25 Mbps < Rate < 50 Mbps	3 Mbps < Rate < 6 Mbps		
				100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps		
		Other Copper wire		25 Mbps < Rate < 50 Mbps	25 Mbps < Rate < 50 Mbps	25 Mbps < Rate < 50 Mbps		
		Terrestrial Fixed		6 Mbps < Rate < 10 Mbps	Data Unavailable	1.5 Mbps < Rate < 3 Mbps		
	50 Mbps < Rate < 100 Mbps		6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps	6 Mbps < Rate < 10 Mbps			
Sweet Home	SWTH	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps			
			3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps			
			10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps			
		Cable Modem DOCSIS 3.0		100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable		
		Terrestrial Fixed		6 Mbps < Rate < 10 Mbps	Data Unavailable	1.5 Mbps < Rate < 3 Mbps		
				10 Mbps < Rate < 25 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps		
		50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps	6 Mbps < Rate < 10 Mbps			
Triangle Lake	BLFN	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps			
		Terrestrial Fixed	50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps			

OUSF Supported Exchanges - Maximum Advertised Download Speed / Typical Speeds				Max Download	Typical Download	Typical Upload
REGION	EXCHANGE	CLLI	TRANSMISSION TECHNOLOGY			
Central Coast	Veneta	VENT	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	768 kbps < Rate < 1.5 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable
			Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable
			Terrestrial Fixed	10 Mbps < Rate < 25 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
			50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps	6 Mbps < Rate < 10 Mbps
Eastern	Adrian	ADRN	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable
	Baker City	BAKR	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Optical Carrier/Fiber to End User	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps
			Other Copper wire	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps
	Cove	COVE	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
				Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps
	Durkee	DURK	Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
	Elgin	ELGN	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
				Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
	Enterprise	ENTR	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
	Flora Troy	FLTY	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable
	Granite A	GRAN	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
	Haines	HANS	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
				Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
	Halfway A	HLWY	Optical Carrier/Fiber to End User	25 Mbps < Rate < 50 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps
	Harper	HRPR	Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
				Symmetric xDSL	3 Mbps < Rate < 6 Mbps	Data Unavailable
	Huntington	HNTN	Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
	Imbler	IMBL	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
				Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
	Jordan Valley	JRVY	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable
				3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable
				Optical Carrier/Fiber to End User	6 Mbps < Rate < 10 Mbps	Data Unavailable
	Joseph	JSPH	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
	Juntura	JNTR	Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
				Symmetric xDSL	3 Mbps < Rate < 6 Mbps	Data Unavailable
Lostine	LOST	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
North Powder	NPWR	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
			Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
Nyssa	NYSS	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable	
				6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps	
			3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable	
				3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
		Cable Modem DOCSIS 3.0	50 Mbps < Rate < 100 Mbps	50 Mbps < Rate < 100 Mbps	1.5 Mbps < Rate < 3 Mbps	



OUSF Supported Exchanges - Maximum Advertised Download Speed / Typical Speeds				Max Download	Typical Download	Typical Upload		
REGION	EXCHANGE	CLLI	TRANSMISSION TECHNOLOGY					
Eastern	Ontario	ONTR	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps		
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps		
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	768 kbps < Rate < 1.5 Mbps		
			Cable Modem DOCSIS 3.0	50 Mbps < Rate < 100 Mbps	50 Mbps < Rate < 100 Mbps	1.5 Mbps < Rate < 3 Mbps		
			Optical Carrier/Fiber to End User	1Gbps < Rate	1Gbps < Rate	1Gbps < Rate		
	Oregon Slope	ORSL	Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps		
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps		
	Richland	RCLD	Optical Carrier/Fiber to End User	50 Mbps < Rate < 100 Mbps	50 Mbps < Rate < 100 Mbps	1.5 Mbps < Rate < 3 Mbps		
				100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps		
	Ridgeview	RDVW	Asymmetric xDSL	25 Mbps < Rate < 50 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps		
				6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable		
	Starkey	PLRK	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable		
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps		
	Sumpter	BAKR	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps		
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps		
	Union	UNIN	Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps		
				Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps		
	Vale	VALE	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps		
				50 Mbps < Rate < 100 Mbps	50 Mbps < Rate < 100 Mbps	1.5 Mbps < Rate < 3 Mbps		
				Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	
Wallowa	WLLW	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps			
North Central	Arlington	ARTN	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps		
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps		
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps		
			Optical Carrier/Fiber to End User	1Gbps < Rate	1Gbps < Rate	1Gbps < Rate		
				100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps		
			Other Copper wire	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps		
				Terrestrial Fixed	3 Mbps < Rate < 6 Mbps	Data Unavailable	200 kbps < Rate < 768 kbps Data Unavailable	
			Athena Weston	ATHN	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
						3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps
						10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	200 kbps < Rate < 768 kbps
	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps				1.5 Mbps < Rate < 3 Mbps		
	768 kbps < Rate < 1.5 Mbps	768 kbps < Rate < 1.5 Mbps				768 kbps < Rate < 1.5 Mbps		
	Cable Modem DOCSIS 3.0	25 Mbps < Rate < 50 Mbps			25 Mbps < Rate < 50 Mbps	10 Mbps < Rate < 25 Mbps		
	Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps			50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps		
	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps			100 Mbps < Rate < 1Gbps			
	Terrestrial Fixed	6 Mbps < Rate < 10 Mbps			6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps		
	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps			3 Mbps < Rate < 6 Mbps			
	Boardman	BDMN	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps		
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps		
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps		
Optical Carrier/Fiber to End User			1Gbps < Rate	1Gbps < Rate	1Gbps < Rate			
100 Mbps < Rate < 1Gbps			100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps				
Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps					

OUSF Supported Exchanges - Maximum Advertised Download Speed / Typical Speeds				Max Download	Typical Download	Typical Upload	
REGION	EXCHANGE	CLLI	TRANSMISSION TECHNOLOGY				
North Central	Cascade Locks	CSLC	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps	
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps	
			Optical Carrier/Fiber to End User	50 Mbps < Rate < 100 Mbps	Data Unavailable	Data Unavailable	
				Terrestrial Fixed	3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable
					50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps
	Condon	CNDN		Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable
					3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable
					10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable
				Terrestrial Fixed	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps
	Dufur	DUFU		Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps
				Optical Carrier/Fiber to End User	10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable
					3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable
				Terrestrial Fixed	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps
	Echo	ECHO		Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
					3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
					10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
				Cable Modem (other)	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps
				Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps
				Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
				Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps
	Fossil	FOSL		Terrestrial Fixed	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps
	Grass Valley	GRVY		Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
					10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
				Terrestrial Fixed	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps
	Helix	HELX		Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps
				Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps
	Heppner	HPNR		Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
					3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
					10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
				Optical Carrier/Fiber to End User	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps
				Terrestrial Fixed	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps
	Hood River	HDRV		Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
					3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
					10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
				Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps
Optical Carrier/Fiber to End User				100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	
				50 Mbps < Rate < 100 Mbps	Data Unavailable	Data Unavailable	
Other Copper wire				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	
Terrestrial Fixed	3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable				
				3 Mbps < Rate < 6 Mbps	1.5 Mbps < Rate < 3 Mbps	200 kbps < Rate < 768 kbps	
Ione	IONE		Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
			Terrestrial Fixed	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	
Lexington	LXTN		Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps	
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	

OUSF Supported Exchanges - Maximum Advertised Download Speed / Typical Speeds				Max Download	Typical Download	Typical Upload	
REGION	EXCHANGE	CLLI	TRANSMISSION TECHNOLOGY				
North Central	Maupin	MAUP	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
			Optical Carrier/Fiber to End User	10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable	
			100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps		
			Terrestrial Fixed	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	
	Milton Freewater	MLTN	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps	
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	768 kbps < Rate < 1.5 Mbps	
				Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps
				Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
				Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps
	Mitchell	MTCH	Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps	
	Moro	MORO	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps	
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
				Terrestrial Fixed	3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable
					3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	
					3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	
	Mosier	MOSR	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps	
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
				Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps
				Optical Carrier/Fiber to End User	10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable
				Terrestrial Fixed	3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable
					3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
					3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
	Odell	ODLL	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps	
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
				Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps
				Terrestrial Fixed	3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable
					3 Mbps < Rate < 6 Mbps	1.5 Mbps < Rate < 3 Mbps	
					3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
	Parkdale	PRDL	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps	
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
				Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps
				Terrestrial Fixed	3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable
					3 Mbps < Rate < 6 Mbps	1.5 Mbps < Rate < 3 Mbps	
					3 Mbps < Rate < 6 Mbps	1.5 Mbps < Rate < 3 Mbps	
	Pilot Rock	PLRK	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps	
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
Cable Modem (other)				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps	
Terrestrial Fixed				6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps		
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps		
Pine Grove	PNGV	Optical Carrier/Fiber to End User	1Gbps < Rate	1Gbps < Rate	1Gbps < Rate		
			10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable		
			100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps		
Rockaway	RKWY	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps		
			3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps		
			10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps		
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps	

OUSF Supported Exchanges - Maximum Advertised Download Speed / Typical Speeds				Max Download	Typical Download	Typical Upload	
REGION	EXCHANGE	CLLI	TRANSMISSION TECHNOLOGY				
North Central	Rufus	RUF5	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps	
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
			Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	
			Terrestrial Fixed	3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable	
					3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	3 Mbps < Rate < 6 Mbps
	Spray	SPRY	Terrestrial Fixed	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	
	Stanfield	STFD	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps	
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps	
			Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps	
	The Dalles	THDL	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps	
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
				25 Mbps < Rate < 50 Mbps	25 Mbps < Rate < 50 Mbps	3 Mbps < Rate < 6 Mbps	
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps	
			Optical Carrier/Fiber to End User	1Gbps < Rate	1Gbps < Rate	1Gbps < Rate	
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	
				10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable	
				25 Mbps < Rate < 50 Mbps	25 Mbps < Rate < 50 Mbps	25 Mbps < Rate < 50 Mbps	
				100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	
				50 Mbps < Rate < 100 Mbps	Data Unavailable	Data Unavailable	
				Other Copper wire	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps
				Terrestrial Fixed	3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable
				3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	3 Mbps < Rate < 6 Mbps	
	Tygh Valley	TYVY	Optical Carrier/Fiber to End User	10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable	
	Ukiah	UKIH	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
	Umatilla	UMTL	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps	
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	768 kbps < Rate < 1.5 Mbps	
				25 Mbps < Rate < 50 Mbps	25 Mbps < Rate < 50 Mbps	10 Mbps < Rate < 25 Mbps	
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps	
			Optical Carrier/Fiber to End User	1Gbps < Rate	1Gbps < Rate	1Gbps < Rate	
			Terrestrial Fixed	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps	
	Wamic	WAMC	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
			Optical Carrier/Fiber to End User	10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable	
	Wasco	WASC	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps	
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
			Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	
Terrestrial Fixed			3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable		
			3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	3 Mbps < Rate < 6 Mbps		

OUSF Supported Exchanges - Maximum Advertised Download Speed / Typical Speeds				Max Download	Typical Download	Typical Upload
REGION	EXCHANGE	CLLI	TRANSMISSION TECHNOLOGY			
Northwest Coast	Bay City	BYCY	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps
	Beaver	BEVR	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps
			Optical Carrier/Fiber to End User	1Gbps < Rate	1Gbps < Rate	1Gbps < Rate
	Cannon Beach	CNBH	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	768 kbps < Rate < 1.5 Mbps
			Cable Modem (other)	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps
	Chitwood	CHWD	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps
	Clatskanie	CLTS	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			25 Mbps < Rate < 50 Mbps	25 Mbps < Rate < 50 Mbps	10 Mbps < Rate < 25 Mbps	
	Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps		
	Cloverdale	CODL	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps
			Optical Carrier/Fiber to End User	1Gbps < Rate	1Gbps < Rate	1Gbps < Rate
	Depoe Bay	DPBY	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
				Cable Modem (other)	10 Mbps < Rate < 25 Mbps	6 Mbps < Rate < 10 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps
	Garibaldi	GRBL	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps
	Gleneden	GLNN	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Cable Modem (other)	10 Mbps < Rate < 25 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
	Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps		
	Harlan	BLDG	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps
			Terrestrial Fixed	50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps 6 Mbps < Rate < 10 Mbps
	Jewell	JEWL	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps
	Terrestrial Fixed	50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps		

OUSF Supported Exchanges - Maximum Advertised Download Speed / Typical Speeds				Max Download	Typical Download	Typical Upload	
REGION	EXCHANGE	CLLI	TRANSMISSION TECHNOLOGY				
Northwest Coast	Knappa	KNPP	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps	
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
	Lincoln City	LNCY	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable	
				3 Mbps < Rate < 6 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps	
				10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable	
				10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
				10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable	
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
				Cable Modem (other)	10 Mbps < Rate < 25 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
				Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps
				Optical Carrier/Fiber to End User	1Gbps < Rate	1Gbps < Rate	1Gbps < Rate
				Symmetric xDSL	3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable
	Nehalem	NHLM	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
				Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps
				Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable
	Pacific City	PCCY	Asymmetric xDSL	50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	
				6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps	
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
	Rainier	RANR	Asymmetric xDSL	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps	
				1Gbps < Rate	1Gbps < Rate	1Gbps < Rate	
				6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps	
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
	Scappoose	SCPP	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	768 kbps < Rate < 1.5 Mbps	
				25 Mbps < Rate < 50 Mbps	25 Mbps < Rate < 50 Mbps	10 Mbps < Rate < 25 Mbps	
				100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable	
				6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps	
	Siletz	SLTZ	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
				10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps	
				10 Mbps < Rate < 25 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps	
				100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps	
				6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps	
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	
				Other Copper wire	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps

OUSF Supported Exchanges - Maximum Advertised Download Speed / Typical Speeds				Max Download	Typical Download	Typical Upload	
REGION	EXCHANGE	CLLI	TRANSMISSION TECHNOLOGY				
Northwest Coast	South Beach	SBCH	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable	
				3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable	
				10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable	
			Cable Modem (other)	10 Mbps < Rate < 25 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps	
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps	
			Optical Carrier/Fiber to End User	1Gbps < Rate	1Gbps < Rate	1Gbps < Rate	
			Symmetric xDSL	3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable	
				10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable	
	Summit	BLDG	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps	
				Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable
				Terrestrial Fixed	50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps 6 Mbps < Rate < 10 Mbps
	Tidewater	WLPT	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps	
				Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps
				Terrestrial Fixed	50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps
	Tillamook	TLMK	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable	
					6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps	
				3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable	
				3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps		
			10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable		
				10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps		
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps	
			Optical Carrier/Fiber to End User	1Gbps < Rate	1Gbps < Rate	1Gbps < Rate	
			Other Copper wire	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	
			Symmetric xDSL	3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable	
				10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable	
				25 Mbps < Rate < 50 Mbps	Data Unavailable	Data Unavailable	
	Toledo	TOLD	Asymmetric xDSL	50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	
				6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps	
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
			10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps		
				10 Mbps < Rate < 25 Mbps	768 kbps < Rate < 1.5 Mbps		
	Vernonia	VRNN	Asymmetric xDSL	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps	
				Optical Carrier/Fiber to End User	1Gbps < Rate	1Gbps < Rate	
				6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps	
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable	
			Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable	
	Waldport	WLPT	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps	
				50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	
			Cable Modem (other)	10 Mbps < Rate < 25 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps	
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps	
Optical Carrier/Fiber to End User			1Gbps < Rate	1Gbps < Rate	1Gbps < Rate		

OUSF Supported Exchanges - Maximum Advertised Download Speed / Typical Speeds				Max Download	Typical Download	Typical Upload			
REGION	EXCHANGE	CLLI	TRANSMISSION TECHNOLOGY						
Northwest Coast	Warrenton	WRTN	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable 6 Mbps < Rate < 10 Mbps	Data Unavailable 768 kbps < Rate < 1.5 Mbps			
				3 Mbps < Rate < 6 Mbps	Data Unavailable 3 Mbps < Rate < 6 Mbps	Data Unavailable 200 kbps < Rate < 768 kbps			
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	768 kbps < Rate < 1.5 Mbps			
				25 Mbps < Rate < 50 Mbps	25 Mbps < Rate < 50 Mbps	10 Mbps < Rate < 25 Mbps			
			Cable Modem (other)	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps			
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps			
			Other Copper wire	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps			
	Westport	WSPT	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable			
				6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps			
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps			
	Yachats	YCHT	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps			
				Cable Modem (other)	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps		
				Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps		
				Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps		
				50 Mbps < Rate < 100 Mbps	50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps			
Portland Metro	Amity	AMTY	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps			
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps			
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable			
			Optical Carrier/Fiber to End User	50 Mbps < Rate < 100 Mbps	Data Unavailable	Data Unavailable			
			Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable			
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	Data Unavailable	768 kbps < Rate < 1.5 Mbps			
			50 Mbps < Rate < 100 Mbps	50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps			
	Beaver Creek	BVCK	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps			
				3 Mbps < Rate < 6 Mbps	Data Unavailable 3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps 768 kbps < Rate < 1.5 Mbps			
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	768 kbps < Rate < 1.5 Mbps			
				25 Mbps < Rate < 50 Mbps	Data Unavailable 25 Mbps < Rate < 50 Mbps	Data Unavailable 10 Mbps < Rate < 25 Mbps			
				Cable Modem (other)	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable		
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps			
				Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable		
				Terrestrial Fixed	50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps		
				Burlington	BURL	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
							3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps						
	25 Mbps < Rate < 50 Mbps	Data Unavailable	Data Unavailable						
	Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable			Data Unavailable			
Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps						
Other Copper wire	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps						
50 Mbps < Rate < 100 Mbps	50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps						



OUSF Supported Exchanges - Maximum Advertised Download Speed / Typical Speeds				Max Download	Typical Download	Typical Upload
REGION	EXCHANGE	CLLI	TRANSMISSION TECHNOLOGY			
Portland Metro	Canby	CNBY	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
				3 Mbps < Rate < 6 Mbps	Data Unavailable	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
				25 Mbps < Rate < 50 Mbps	Data Unavailable	Data Unavailable
			Cable Modem (other)	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable
			Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
			50 Mbps < Rate < 100 Mbps	50 Mbps < Rate < 100 Mbps	10 Mbps < Rate < 25 Mbps	
			Other Copper wire	10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable
			Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable
	Terrestrial Fixed	50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps		
	Carlton	CRTO	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable
			Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	Data Unavailable	768 kbps < Rate < 1.5 Mbps
	Charbonneau	CHBU	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable
			Other Copper wire	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	Data Unavailable	768 kbps < Rate < 1.5 Mbps
	Clear Creek	RDLD	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps
				6 Mbps < Rate < 10 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps
				10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable
				25 Mbps < Rate < 50 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			50 Mbps < Rate < 100 Mbps	Data Unavailable	Data Unavailable	
			Cable Modem (other)	6 Mbps < Rate < 10 Mbps	25 Mbps < Rate < 50 Mbps	10 Mbps < Rate < 25 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable
			Optical Carrier/Fiber to End User	50 Mbps < Rate < 100 Mbps	Data Unavailable	Data Unavailable
			Other Copper wire	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps
	Colton	COTN	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
				3 Mbps < Rate < 6 Mbps	Data Unavailable	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps
			Cable Modem (other)	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Terrestrial Fixed	50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps

OUSF Supported Exchanges - Maximum Advertised Download Speed / Typical Speeds				Max Download	Typical Download	Typical Upload
REGION	EXCHANGE	CLLI	TRANSMISSION TECHNOLOGY			
Portland Metro	Corbett	CRBT	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable
				10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable
				25 Mbps < Rate < 50 Mbps	Data Unavailable	Data Unavailable
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable
			Optical Carrier/Fiber to End User	50 Mbps < Rate < 100 Mbps	Data Unavailable	Data Unavailable
			Other Copper wire	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps
			Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable
			Terrestrial Fixed	3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable
				50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps
	Dayton	DYTN	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable
			Optical Carrier/Fiber to End User	50 Mbps < Rate < 100 Mbps	Data Unavailable	Data Unavailable
			Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	Data Unavailable	768 kbps < Rate < 1.5 Mbps
	50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps		1.5 Mbps < Rate < 3 Mbps 6 Mbps < Rate < 10 Mbps		
	Estacada A	ESCD	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
				3 Mbps < Rate < 6 Mbps	Data Unavailable	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	Data Unavailable	200 kbps < Rate < 768 kbps
			Cable Modem (other)	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable
				100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
			Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
			Other Copper wire	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps
				Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable
50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps				
Government Camp	GVCM	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps	
			3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
			10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
		Cable Modem (other)	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
		Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	
		Terrestrial Fixed	50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	
Grand Island	GDIS	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
		Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable	
		Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable	
		Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	Data Unavailable	768 kbps < Rate < 1.5 Mbps	
			10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable	
		50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps 6 Mbps < Rate < 10 Mbps		

OUSF Supported Exchanges - Maximum Advertised Download Speed / Typical Speeds				Max Download	Typical Download	Typical Upload
REGION	EXCHANGE	CLLI	TRANSMISSION TECHNOLOGY			
Portland Metro	Hoodland	HDL D	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Cable Modem (other)	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
			Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable
		Terrestrial Fixed	50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	
	Molalla	MLL L	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
				3 Mbps < Rate < 6 Mbps	Data Unavailable	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Cable Modem (other)	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Optical Carrier/Fiber to End User	25 Mbps < Rate < 50 Mbps	25 Mbps < Rate < 50 Mbps	6 Mbps < Rate < 10 Mbps
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	Data Unavailable	768 kbps < Rate < 1.5 Mbps
				50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps
						6 Mbps < Rate < 10 Mbps
	Monitor	MNTR	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
				3 Mbps < Rate < 6 Mbps	Data Unavailable	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps
			Cable Modem (other)	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Optical Carrier/Fiber to End User	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
			Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	Data Unavailable	768 kbps < Rate < 1.5 Mbps
				50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps
				6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps	
	Needy	NEDY	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
				3 Mbps < Rate < 6 Mbps	Data Unavailable	200 kbps < Rate < 768 kbps
					3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
			Cable Modem (other)	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable
			Optical Carrier/Fiber to End User	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
				25 Mbps < Rate < 50 Mbps	25 Mbps < Rate < 50 Mbps	6 Mbps < Rate < 10 Mbps
				50 Mbps < Rate < 100 Mbps	50 Mbps < Rate < 100 Mbps	10 Mbps < Rate < 25 Mbps
			Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	Data Unavailable	768 kbps < Rate < 1.5 Mbps
				50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps
				6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps	
	North Plains	NPLN	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
				25 Mbps < Rate < 50 Mbps	Data Unavailable	Data Unavailable
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable
			Optical Carrier/Fiber to End User	50 Mbps < Rate < 100 Mbps	Data Unavailable	Data Unavailable
			Other Copper wire	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps
			25 Mbps < Rate < 50 Mbps	Data Unavailable	Data Unavailable	
Symmetric xDSL			6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable	
Terrestrial Fixed			6 Mbps < Rate < 10 Mbps	Data Unavailable	768 kbps < Rate < 1.5 Mbps	
			10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable	
	50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps			

OUSF Supported Exchanges - Maximum Advertised Download Speed / Typical Speeds				Max Download	Typical Download	Typical Upload			
REGION	EXCHANGE	CLLI	TRANSMISSION TECHNOLOGY						
Portland Metro	Sandy	SNDY	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps			
				10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable			
					10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps			
				Cable Modem (other)	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps		
				Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable		
				Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps		
				Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable		
				Terrestrial Fixed	3 Mbps < Rate < 6 Mbps	Data Unavailable	200 kbps < Rate < 768 kbps		
					10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps	1.5 Mbps < Rate < 3 Mbps		
					50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps		
				Scholls	SCHL	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
							10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable
			10 Mbps < Rate < 25 Mbps				1.5 Mbps < Rate < 3 Mbps		
			25 Mbps < Rate < 50 Mbps			Data Unavailable	Data Unavailable		
		Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps			Data Unavailable	Data Unavailable		
		Optical Carrier/Fiber to End User	50 Mbps < Rate < 100 Mbps			Data Unavailable	Data Unavailable		
		Other Copper wire	3 Mbps < Rate < 6 Mbps			3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps		
			10 Mbps < Rate < 25 Mbps			10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps		
		Symmetric xDSL	6 Mbps < Rate < 10 Mbps			Data Unavailable	Data Unavailable		
		Terrestrial Fixed	6 Mbps < Rate < 10 Mbps			Data Unavailable	768 kbps < Rate < 1.5 Mbps		
			10 Mbps < Rate < 25 Mbps			Data Unavailable	Data Unavailable		
			50 Mbps < Rate < 100 Mbps			6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps		
		Sheridan	SHRD	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps		
					3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps		
					10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps		
				Cable Modem (other)	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps		
				Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable		
				Other Copper wire	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps		
				Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable		
				Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	Data Unavailable	768 kbps < Rate < 1.5 Mbps		
					50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	1.5 Mbps < Rate < 3 Mbps		
						6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps		
				Willamina	WLMN	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
							3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
		10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps				1.5 Mbps < Rate < 3 Mbps		
		Cable Modem (other)	10 Mbps < Rate < 25 Mbps			10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps		
	Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	Data Unavailable			768 kbps < Rate < 1.5 Mbps			
		50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps			1.5 Mbps < Rate < 3 Mbps			
	Yamhill	YMHL	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps			
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps			
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps			
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	Data Unavailable	Data Unavailable			
			Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable			
			Terrestrial Fixed	6 Mbps < Rate < 10 Mbps	Data Unavailable	768 kbps < Rate < 1.5 Mbps			
				10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable			
		50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps					

OUSF Supported Exchanges - Maximum Advertised Download Speed / Typical Speeds				Max Download	Typical Download	Typical Upload
REGION	EXCHANGE	CLLI	TRANSMISSION TECHNOLOGY			
South Central	Bly	BLY	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
	Bonanza	BNNZ	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
	Burns	BRNS	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Optical Carrier/Fiber to End User	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps
				100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
	Chemult	CHML	Optical Carrier/Fiber to End User	50 Mbps < Rate < 100 Mbps	50 Mbps < Rate < 100 Mbps	50 Mbps < Rate < 100 Mbps
	Chiloquin	CHLQ	Asymmetric xDSL	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
				6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
	Gilchrist	GLCH	Optical Carrier/Fiber to End User	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
				100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
	John Day	JHDY	Asymmetric xDSL	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
				6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
			Optical Carrier/Fiber to End User	3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
	Lakeview	LKVW	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
	Long Creek	LGCK	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps
				Cable Modem (other)	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps
	Malin	MALN	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable
	Merrill	MRRL	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps
			Optical Carrier/Fiber to End User	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
	North Harney	HRNY	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Optical Carrier/Fiber to End User	1Gbps < Rate	1Gbps < Rate	1Gbps < Rate
	Sprague River	SRRV	Asymmetric xDSL	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps	100 Mbps < Rate < 1Gbps
Symmetric xDSL				3 Mbps < Rate < 6 Mbps	Data Unavailable	Data Unavailable
Southwest	Bandon	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
			10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
			10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
		Cable Modem (other)	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps	
		Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps	
		Optical Carrier/Fiber to End User	1Gbps < Rate	1Gbps < Rate	1Gbps < Rate	
			10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable	

OUSF Supported Exchanges - Maximum Advertised Download Speed / Typical Speeds				Max Download	Typical Download	Typical Upload
REGION	EXCHANGE	CLLI	TRANSMISSION TECHNOLOGY			
Southwest	Brookings	BKNG	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Cable Modem (other)	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps
	Butte Falls	BTFL	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
	Camas Valley	CMVY	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps
				10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable
			Optical Carrier/Fiber to End User	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps
	Canyonville	CNVL	Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps
	Coos Bay North Bend	CSBY	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps
			Optical Carrier/Fiber to End User	1Gbps < Rate	Data Unavailable	Data Unavailable
				6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps
				10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable
				50 Mbps < Rate < 100 Mbps	50 Mbps < Rate < 100 Mbps	50 Mbps < Rate < 100 Mbps
	Coquille	CQLL	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps
			Optical Carrier/Fiber to End User	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps
	Drain	DRAN	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Optical Carrier/Fiber to End User	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps
			Terrestrial Fixed	10 Mbps < Rate < 25 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps
	Elkton	EKTN	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable
					10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Optical Carrier/Fiber to End User	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps
			Other Copper wire	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps
	Fish Lake	FSLK	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable
	Glide	GLID	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	768 kbps < Rate < 1.5 Mbps
			Optical Carrier/Fiber to End User	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps
	Gold Beach	GLBH	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps
			Cable Modem (other)	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps
	Gold Hill	GLHL	Other Copper wire	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps
			Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps
			10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	768 kbps < Rate < 1.5 Mbps	
		Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps	
		Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable	

OUSF Supported Exchanges - Maximum Advertised Download Speed / Typical Speeds				Max Download	Typical Download	Typical Upload			
REGION	EXCHANGE	CLLI	TRANSMISSION TECHNOLOGY						
Southwest	Jacksonville	JCVL	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps			
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps			
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	768 kbps < Rate < 1.5 Mbps			
				25 Mbps < Rate < 50 Mbps	25 Mbps < Rate < 50 Mbps	10 Mbps < Rate < 25 Mbps			
			Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps			
			Other Copper wire	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps			
				Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable		
		Lakeside	LKSD	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps		
	10 Mbps < Rate < 25 Mbps				10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps			
	Cable Modem DOCSIS 3.0			100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps			
		Langlois	LNGL	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps		
	Cable Modem (other)				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps		
	Optical Carrier/Fiber to End User			10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable			
		Murphy Provolt	MRPH	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps		
	10 Mbps < Rate < 25 Mbps				10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps			
	Cable Modem DOCSIS 3.0			100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps			
	Symmetric xDSL			6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable			
		Myrtle Creek	MYCK	Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps		
		Myrtle Point	MYPN	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps		
	10 Mbps < Rate < 25 Mbps				10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps			
	Cable Modem DOCSIS 3.0			100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps			
	Optical Carrier/Fiber to End User			10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable			
		Oakland Sutherland	STHR	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps		
	3 Mbps < Rate < 6 Mbps				3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps			
	10 Mbps < Rate < 25 Mbps				Data Unavailable	Data Unavailable			
						Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps
						Optical Carrier/Fiber to End User	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps
						Other Copper wire	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps
						Terrestrial Fixed	50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps
		Port Orford	PTOR	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps		
					Cable Modem (other)	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	3 Mbps < Rate < 6 Mbps	
		Powers	PWRS	Asymmetric xDSL	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps		
		Prospect	PRSP	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps		
						3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
						10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
		Reedsport	RDPT	Asymmetric xDSL	3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps		
	10 Mbps < Rate < 25 Mbps				10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps			
	Cable Modem DOCSIS 3.0			100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps			
	Optical Carrier/Fiber to End User			1Gbps < Rate	1Gbps < Rate	768 kbps < Rate < 1.5 Mbps			
						10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable	
				Other Copper wire	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps		
		Riddle	RDDL	Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps		
				Other Copper wire	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps		
	Rouge River	RGRV	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps			
3 Mbps < Rate < 6 Mbps				3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps				
10 Mbps < Rate < 25 Mbps			10 Mbps < Rate < 25 Mbps	768 kbps < Rate < 1.5 Mbps					
Cable Modem DOCSIS 3.0			100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps				
			Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable			

OUSF Supported Exchanges - Maximum Advertised Download Speed / Typical Speeds				Max Download	Typical Download	Typical Upload	
REGION	EXCHANGE	CLLI	TRANSMISSION TECHNOLOGY				
Southwest	Scottsburg	EKTN	Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps	
			Terrestrial Fixed	50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	
	Selma	SELM	Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps	
	Shady Cove	SHCV	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps	
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
	White City	WHCY	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps	
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
				25 Mbps < Rate < 50 Mbps	25 Mbps < Rate < 50 Mbps	10 Mbps < Rate < 25 Mbps	
				Cable Modem DOCSIS 3.0	100 Mbps < Rate < 1Gbps	50 Mbps < Rate < 100 Mbps	3 Mbps < Rate < 6 Mbps
	Wolf Creek	WLCK	Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable	
				Asymmetric xDSL	25 Mbps < Rate < 50 Mbps	25 Mbps < Rate < 50 Mbps	3 Mbps < Rate < 6 Mbps
	Yoncalla	YNCL	Asymmetric xDSL	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps	200 kbps < Rate < 768 kbps	
				3 Mbps < Rate < 6 Mbps	3 Mbps < Rate < 6 Mbps	200 kbps < Rate < 768 kbps	
				10 Mbps < Rate < 25 Mbps	Data Unavailable	Data Unavailable	
				10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	1.5 Mbps < Rate < 3 Mbps	
				Optical Carrier/Fiber to End User	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps	10 Mbps < Rate < 25 Mbps
				Symmetric xDSL	6 Mbps < Rate < 10 Mbps	Data Unavailable	Data Unavailable
			Terrestrial Fixed	10 Mbps < Rate < 25 Mbps	6 Mbps < Rate < 10 Mbps	768 kbps < Rate < 1.5 Mbps	
			50 Mbps < Rate < 100 Mbps	6 Mbps < Rate < 10 Mbps	6 Mbps < Rate < 10 Mbps		



## Possible impact of FCC Programs to Fund Broadband

In February 2010, the FCC published its National Broadband Plan<sup>1</sup>. The plan included national purposes for use of broadband infrastructure and services in:

- Innovation and investment (job creation)
- Advancing consumer welfare (healthcare)
- Community development (economic opportunity)
- Energy independence and efficiency (environment)
- Education and worker training
- Public safety and homeland security (cyber security)
- Civic participation (government performance)

The plan included a Notice of Proposed Rulemaking (NPR) covering issues such as:

- Universal Service Reform
- Intercarrier Compensation Reform
- Spectrum Allocations
- Rights of Way
- Tower Sighting
- Technology Neutral
- Broadband Adoption and Competition

The document set the stage for the development of the FCC's November 2011 Transformational Order<sup>2</sup> which "comprehensively reforms and modernizes the universal service and inter-carrier compensation systems to ensure that robust, affordable voice and broadband service, both fixed and mobile, are available to Americans throughout the nation."

The federal universal service system was introduced by Congress in 1996. The Universal service principles are:

(1) Quality and rates

Quality services should be available at just, reasonable, and affordable rates.

(2) Access to advanced services

Access to advanced telecommunications and information services should be provided in all regions of the Nation.

(3) Access in rural and high cost areas

Consumers in all regions of the Nation, including low-income consumers and those in rural, insular, and high cost areas, should have access to telecommunications and information services, including interexchange services

---

<sup>1</sup> *Connecting America: The National Broadband Plan*; released March 17, 2010;

<sup>2</sup> FCC 11-161, Report and Order and Further Notice of Proposed Rulemaking; a.k.a, *USF/ICC Transformation NPRM*; released November 18, 2011

and advanced telecommunications and information services, that are reasonably comparable to those services provided in urban areas and that are available at rates that are reasonably comparable to rates charged for similar services in urban areas.

(4) Equitable and nondiscriminatory contributions

All providers of telecommunications services should make an equitable and nondiscriminatory contribution to the preservation and advancement of universal service.

(5) Specific and predictable support mechanisms

There should be specific, predictable and sufficient Federal and State mechanisms to preserve and advance universal service.

(6) Access to advanced telecommunications services for schools, health care, and libraries

Elementary and secondary schools and classrooms, health care providers, and libraries should have access to advanced telecommunications services as described in subsection (h) of this section.

(7) Additional principles

Such other principles as the Joint Board and the Commission determine are necessary and appropriate for the protection of the public interest, convenience, and necessity and are consistent with this chapter.

Thus, the Universal Service Fund has been financially supporting telecommunications that serve consumers, businesses, and institutions since its inception through four distinct programs:

- High-Cost  
Support to local service providers in high-cost rural & insular areas to keep rates affordable
- Low-Income  
Discounts on monthly service and installation charges for low-income consumers
- Schools & Libraries  
Discounts to eligible schools & libraries for telecom services and internet access
- Rural Health Care  
Discounts to rural health care providers for telecom services and monthly internet charges

**Federal Universal Service Fund (FUSF) – disbursed in 2013 \$8.3 billion nationally; \$104.9 million for Oregon**

First created to ensure ubiquitous and affordable voice service, the fund's purpose has expanded to ensure internet access (broadband) is universally available in the United States.

- A. **High Cost Fund – Approved disbursements calendar year 2013 \$4.2 billion nationally; \$74.6 million for Oregon:** provides monetary support to select providers of voice service and broadband access. According to a Universal Service Administrative Company (USAC) report recipients in Oregon received \$1.079 billion since 1998.

<u>Oregon Provider</u>	<u>1<sup>st</sup> Q 2014</u>	<u>Year 2013</u>
Incumbent Local Exchange Carriers	\$15 million	\$61.2 million
<i>Price Cap (Frozen support)</i>	<i>\$5 million</i>	<i>\$21 million</i>
<i>Rate of Return</i>	<i>\$10 million</i>	<i>\$40.2 million</i>
Wireless Service Providers	<u>\$2.8 million</u>	<u>\$13.3 million</u>
Total Oregon High-cost Fund 1 <sup>st</sup> Qtr. 2014	\$17.8 million	\$74.5 million

- B. **LifeLine (Low Income) – Approved disbursements calendar year 2013 \$1.8 billion nationally; \$8.8 million for Oregon:** provides support to Eligible Telecommunications Carriers (ETCs) that offer discounts on telecommunications services to eligible consumers.

<u>Oregon Eligible Telecommunications Carriers</u>	<u>4th Q 2013</u>
Incumbent Local Exchange Carriers	\$425,583
<i>Price Cap</i>	<i>\$403,116</i>
<i>Rate of Return</i>	<i>\$22,467</i>
Wireless/Other Service Providers (13)	<u>\$388,213</u>
Total Oregon Low Income Fund 4th Qtr. 2013	\$813,796

- C. **Schools and Libraries – Approved disbursements calendar year 2013 \$2.2 billion nationally; \$16.9 million in Oregon:** commonly known as the E-rate Program, provides support to eligible schools and libraries for reduced rates for telecommunications, telecommunications services, Internet access, and eligible products along with repair and upkeep of eligible products.

\$2.54 million had been committed to 52 Oregon schools in 46 different cities as of 3<sup>rd</sup> quarter 2013.

Schools submit applications for funding of certain telecommunications and internet costs. USAC issues funding decisions and funding level commitments. It also reviews and pays provider invoices for the services being funded.

- D. **Rural Health Care – Approved disbursements calendar year 2013 \$157 million nationally; \$4.5 million for Oregon:** provides support to eligible health care providers for reduced rates for telecommunications services and broadband access.

\$56,672 had been committed to 11 Oregon health care providers in 10 different cities as of 3<sup>rd</sup> quarter 2013.

Health Care Providers submit applications for funding of certain telecommunications and internet costs. USAC issues funding decisions and funding level commitments. It also reviews and pays provider invoices for the services being funded.

**E. Connect America Fund<sup>3</sup> (CAF)**

CAF replaces High Cost Program support with a frozen level of support for price cap carriers, with additional Connect America Fund resources available to support fixed location broadband expansion. Provides support to carriers in two phases.

- I. **CAF Phase I** (began in 2012) provided immediate funding for fixed broadband to unserved areas. The funding – known as incremental support – is available in addition to frozen support. Incremental support is distributed to Price Cap Carriers (PPC) using forward-looking cost estimates based on wire center and census block. The goal is to have 100% coverage of PCC service areas with broadband available within a few years.
  - a. Round 1 funding offered PCCs \$775/subscriber to provide broadband service to subscribers who are currently “unserved” by fixed internet access with speeds of at least 768k down and 200k up. The ILEC has three years to complete build out. It cannot get CAF for areas it had earlier planned to build out anyway, or had committed to build out to as part of a merger commitment.
    - i. The PPC determined how many unserved new customers it wanted to serve for the one-time \$775 payment. The fund was capped at \$300M nationally.
    - ii. PPCs accepting Phase I incremental support were required to deploy broadband to unserved locations and offer:
      - Actual speeds of at least 4 megabits per second (Mbps) downstream and 1 Mbps upstream
      - Latency suitable for real-time applications and services such as Voice over Internet Protocol (VoIP)
      - Monthly usage capacity reasonably comparable to that of residential fixed-location broadband offerings in urban areas.

---

<sup>3</sup> FCC 11-161, Report and Order and Further Notice of Proposed Rulemaking; a.k.a, *USF/ICC Transformation NPRM*; released November 18, 2011

- b. Round 2 (began in 2013) offered PCCs \$775/subscriber to provide broadband service to subscribers who are currently “unserved” and \$550/subscriber to provide broadband service to locations shown as “unserved” by fixed internet access with speeds of at least 3 mbps down and 768 kbps up.

According to the FCC’s website, Oregon PCCs, CenturyLink including Qwest and Frontier including Citizens, are receiving \$2,131,000 to deploy broadband to 2,751 locations in 522 census blocks in 10 counties. Also according to this website there are 68,106 locations in Oregon unserved with fixed broadband at 3 mbps down and 768 kbps up. However we find that a total of 101,985 ILEC customers in Oregon are not served with 3 Mbps or greater broadband availability from the information received from ALJ Arlow’s bench request.

- II. **CAF Phase II** funding review will not be concluded until mid to late November 2014. I will have some financial stats on this that will be provided later. As with CAF Phase I, Phase II offers financial support to PC carriers to build out broadband to areas unserved by fixed internet access with speeds of at least 10 mbps down and 1 mbps up. The support is based on cost model data and the number of locations to be served, but the exact process that will be used has not been finalized.

**F. Rural Broadband Experiments – Annual funding of \$100 million nationally; \$19.6 million is attached to 42,600 eligible locations in Oregon (pending).**

This FCC program is designed to fund experiments only in Price Cap areas focusing on bringing robust, scalable broadband networks to residential and small business locations in rural communities that are not served by an unsubsidized competitor that offers voice and Internet access delivering at least 3 Mbps downstream/768 kbps upstream. The program will fund 10 year projects in both high-cost and extremely high-cost areas.

Eligible areas for funding are those census blocks with a cost per location exceeding the Connect America Phase II funding threshold (\$52.50), but below the extremely high-cost threshold (\$207.81). Funded entities must commit to serving all PC locations not just those eligible for funding.

Three separate categories: \$75 million for projects meeting very high performance standards; \$15 million for projects meeting specified minimum performance standards that exceed our current standards; and \$10 million for projects dedicated to serving extremely high-cost locations.

- The very high performance standards projects must propose to deploy a network capable of delivering 100 Mbps downstream/25 Mbps upstream, while offering at least one service plan that provides 25 Mbps downstream/5 Mbps upstream to all locations within the selected census blocks.

- Projects to exceed current standards would offer at least one service plan that provides 10 Mbps downstream/1 Mbps upstream to all locations within the selected census blocks. This service plan also must offer at least a 100 GB usage allowance, no more than 100 ms of latency, and meet the reasonable comparability benchmarks for the pricing of voice and broadband.
- Projects that propose to serve extremely high-cost census blocks must offer services delivering 10 Mbps downstream/1 Mbps upstream, with 100 GB of usage and a price that meets the reasonable comparability benchmarks. Projects seeking funding in this category must propose to serve all the locations within the extremely high-cost block or blocks on which the applicant bids

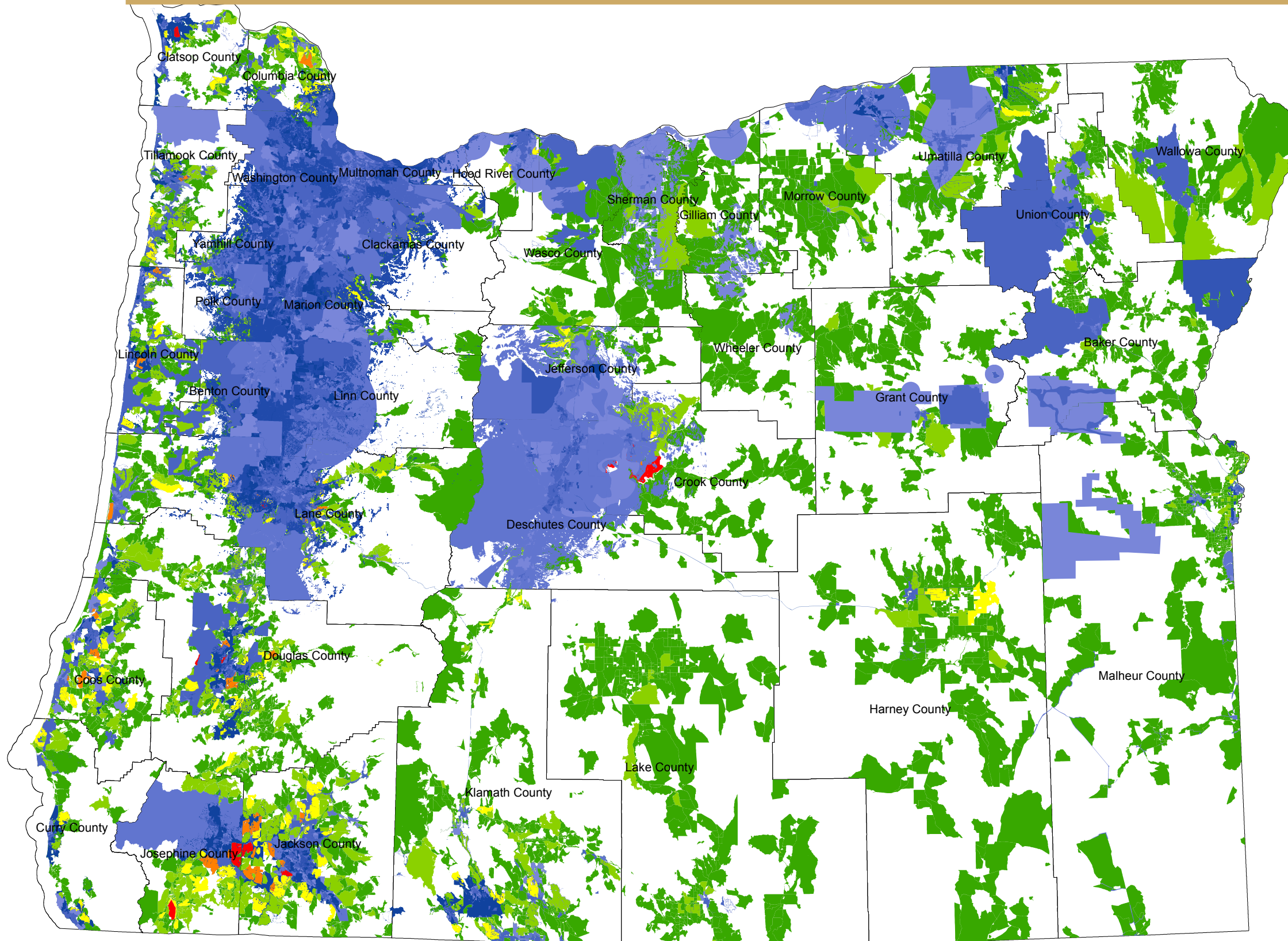
Funded entities may include competitive local exchange carriers, electric utilities, fixed and mobile wireless providers, WISPs, State and regional authorities, Tribal governments, and partnerships.

The application filing window for rural broadband experiments was October 23-November 7 of 2014.

**G. Proposed Broadband Funding Mechanism for Rate-of-Return Incumbents:**

The FCC has proposed implementing a broadband funding program designed to financially support ROR ILECs in extending broadband service where it is cost-effective to do so by distributing support based on forward-looking costs while remaining within the existing ROR budget and ensuring that double recovery does not occur by removing the costs associated with the provision of broadband Internet access service from the regulated rate base.

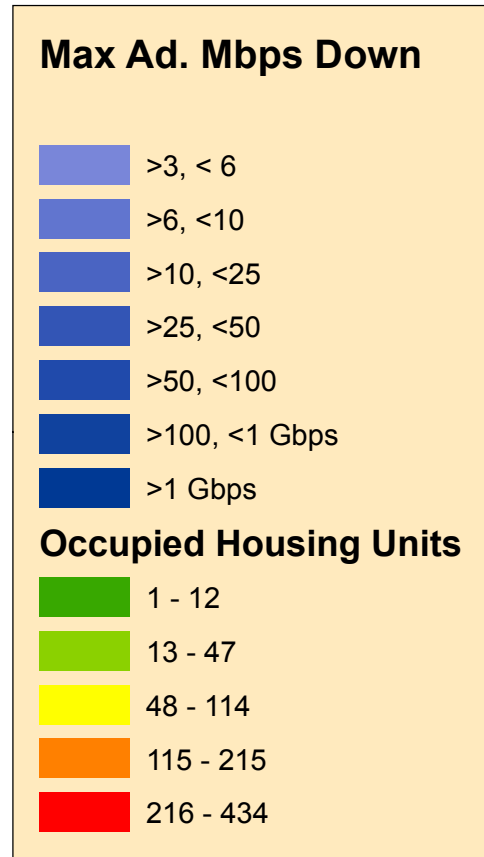
# Census Block Level Terrestrial Fixed ILEC and Competitors 3 Mbps or greater - National Broadband Map Data As Of 12/31/2013 Over Occupied Housing Density Heat Map - 2010 Census Data



**Explanatory Note**

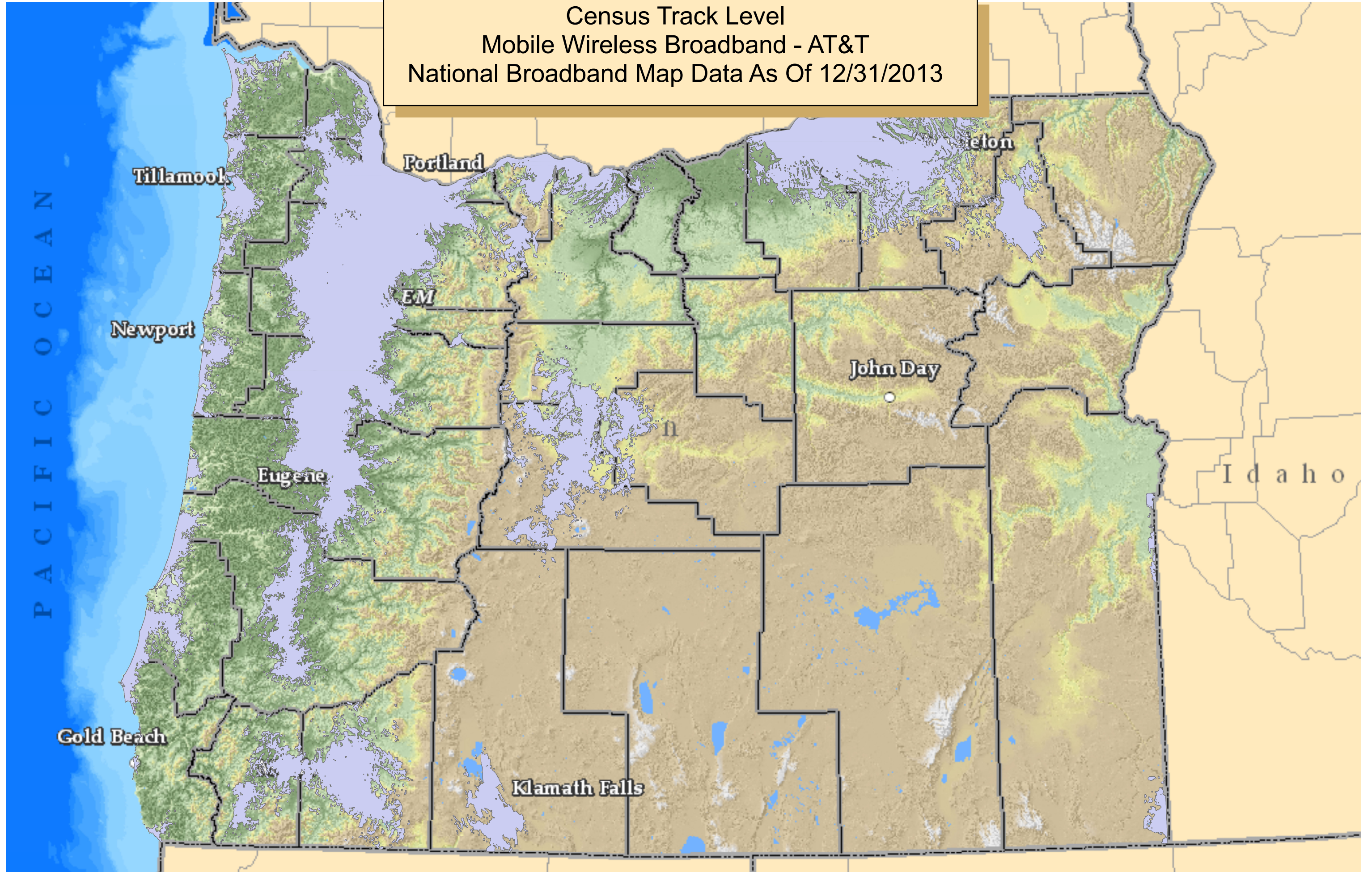
This map shows census blocks where BB is available at speeds greater than or equal to 3 Mbps. The data portrayed is the result of multiple layers of data from several providers. The data producing the topmost layer is the only layer visible. So while the Legend indicates different speeds of service it would be incorrect to conclude that the speed of the topmost layer is the only speed available to the census blocks. The portrayed census blocks receive 3 Mbps or higher BB from one or more providers.

The housing unit density heat map of census blocks underneath the BB speed layer is provided to show housing density where BB 3 Mbps or higher is not available. Due to technical limitations the portrayed data does not indicate all households in the census blocks are able to get BB at any speed; only that it is



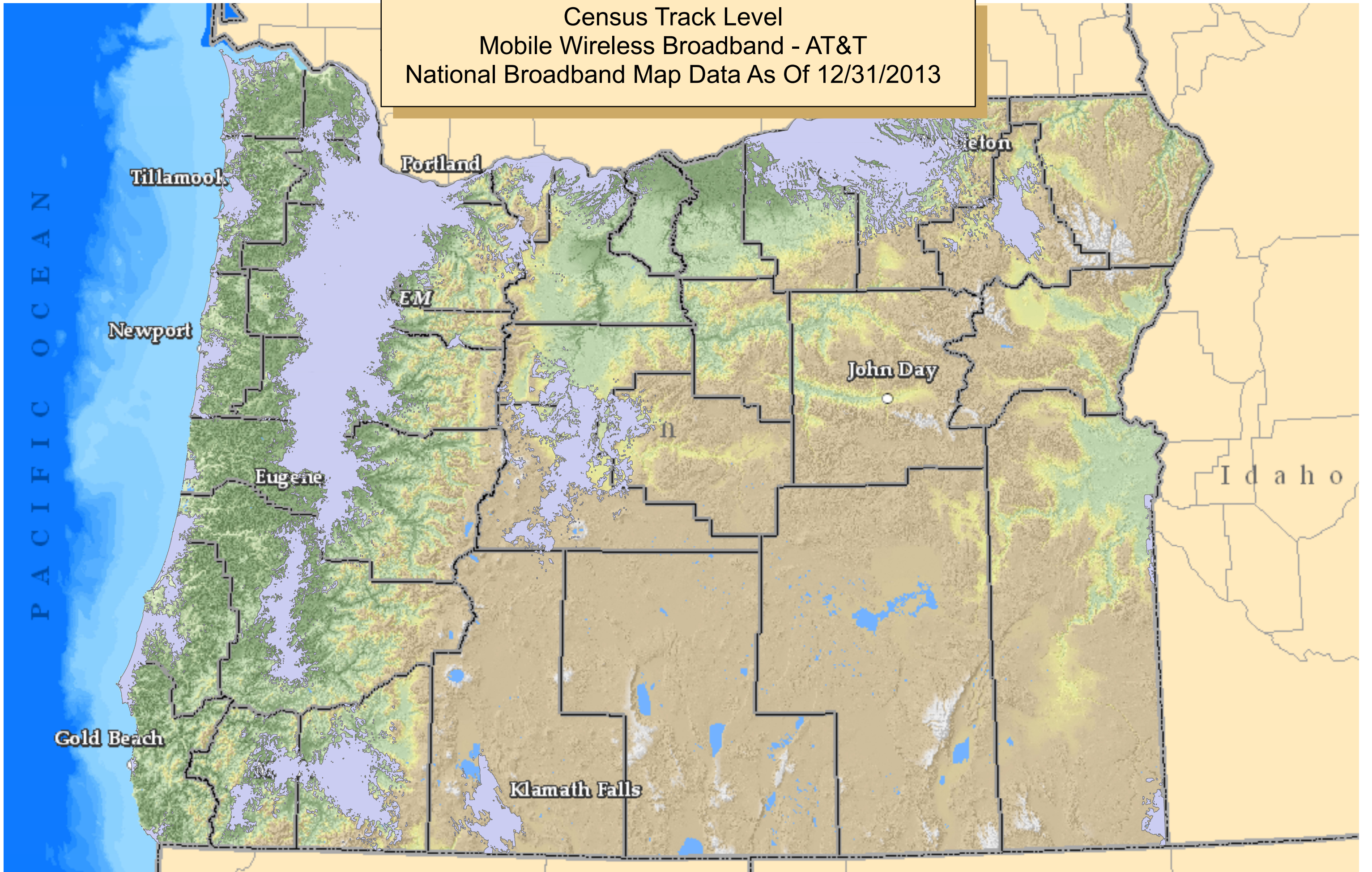


Census Tract Level  
Mobile Wireless Broadband - AT&T  
National Broadband Map Data As Of 12/31/2013



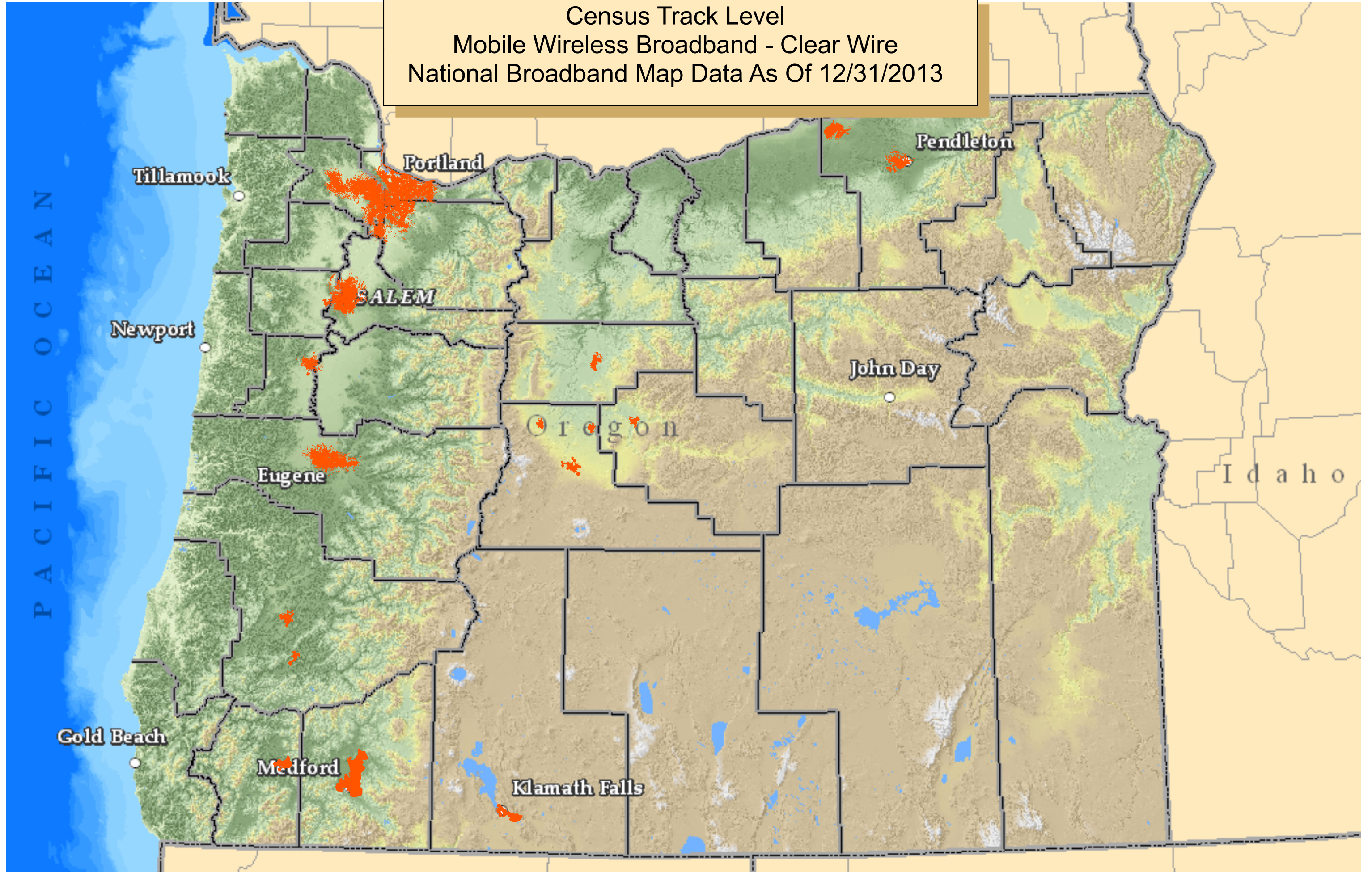


Census Tract Level  
Mobile Wireless Broadband - AT&T  
National Broadband Map Data As Of 12/31/2013



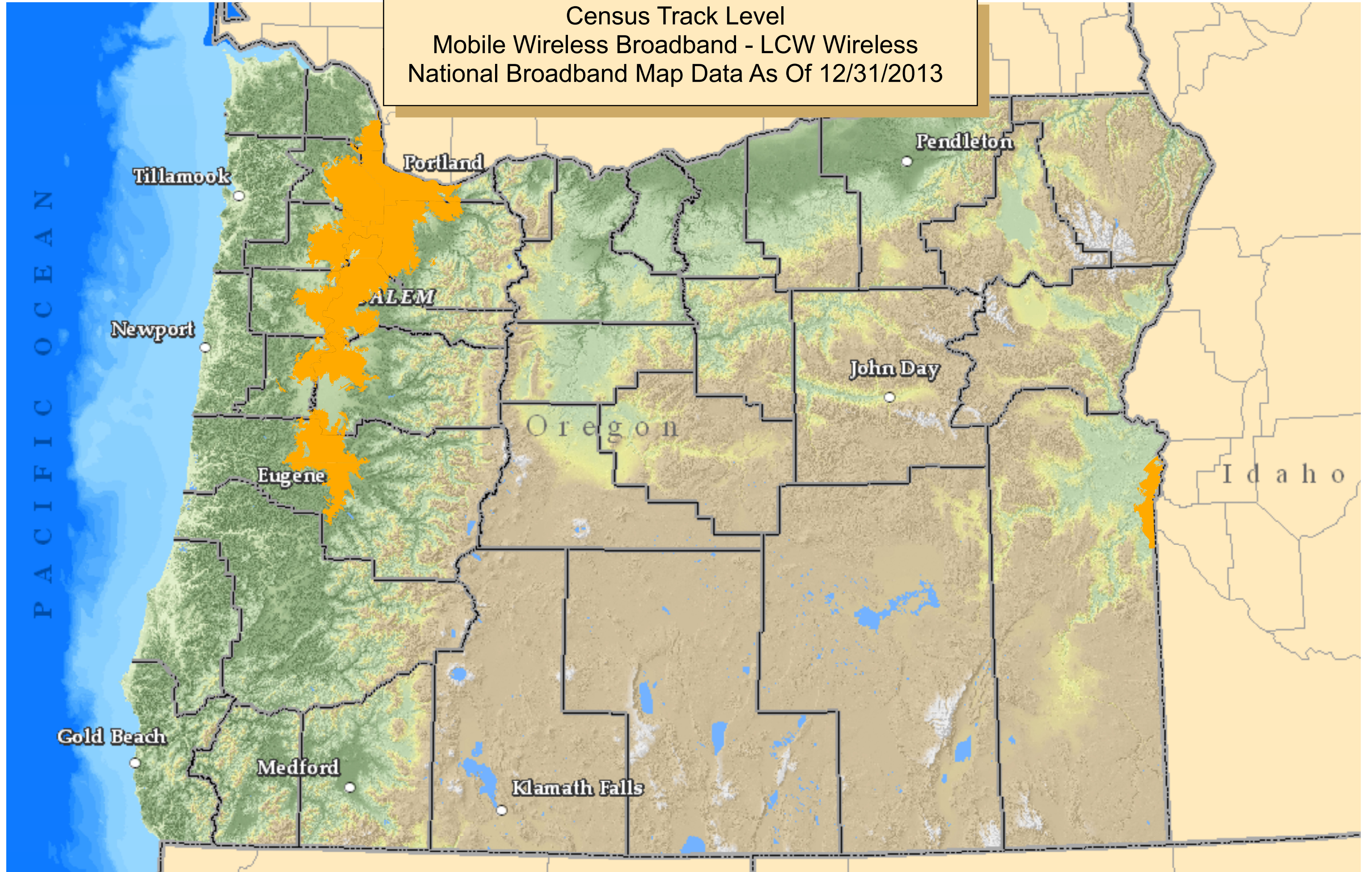


Census Tract Level  
Mobile Wireless Broadband - Clear Wire  
National Broadband Map Data As Of 12/31/2013



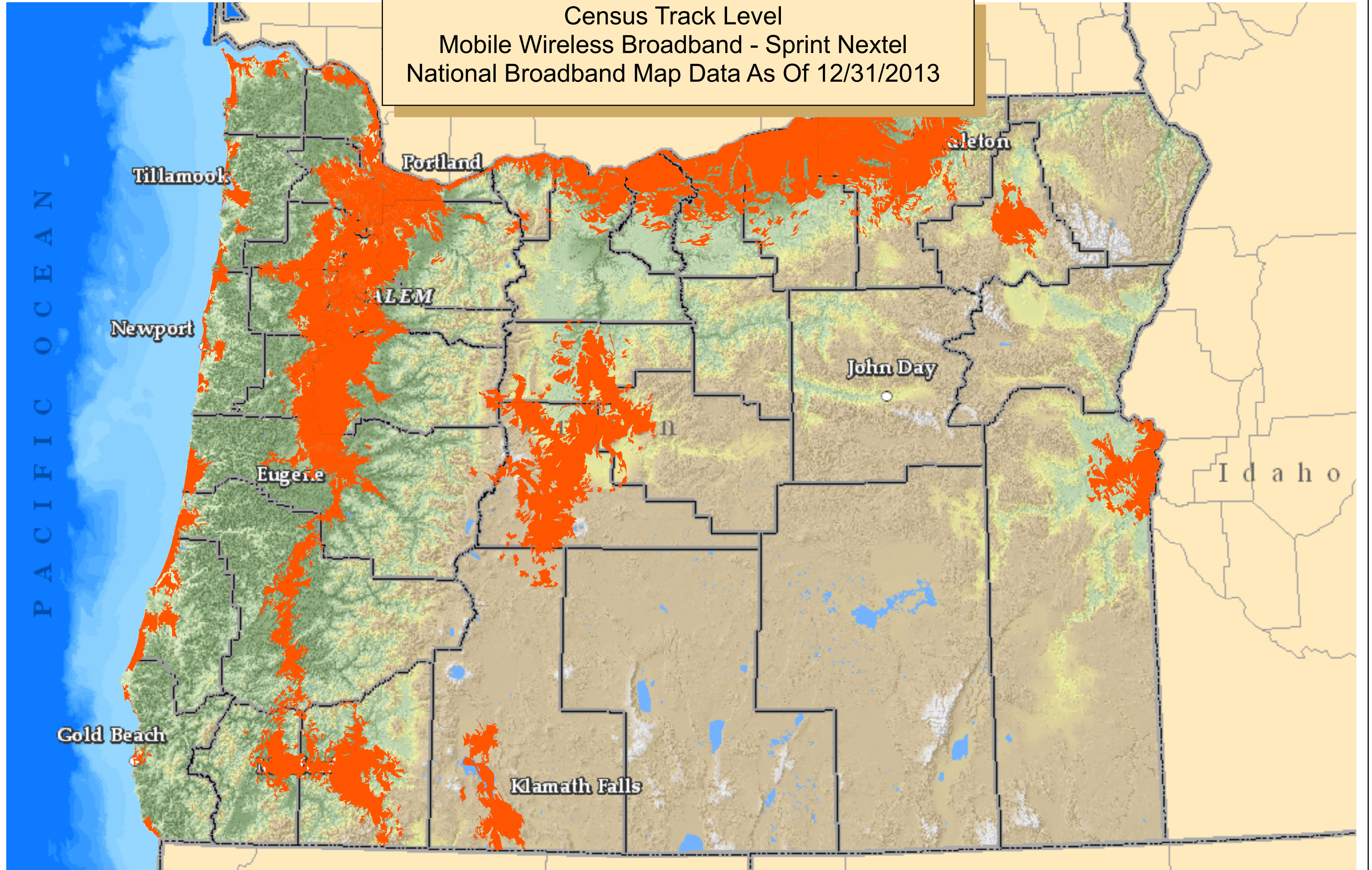


Census Tract Level  
Mobile Wireless Broadband - LCW Wireless  
National Broadband Map Data As Of 12/31/2013



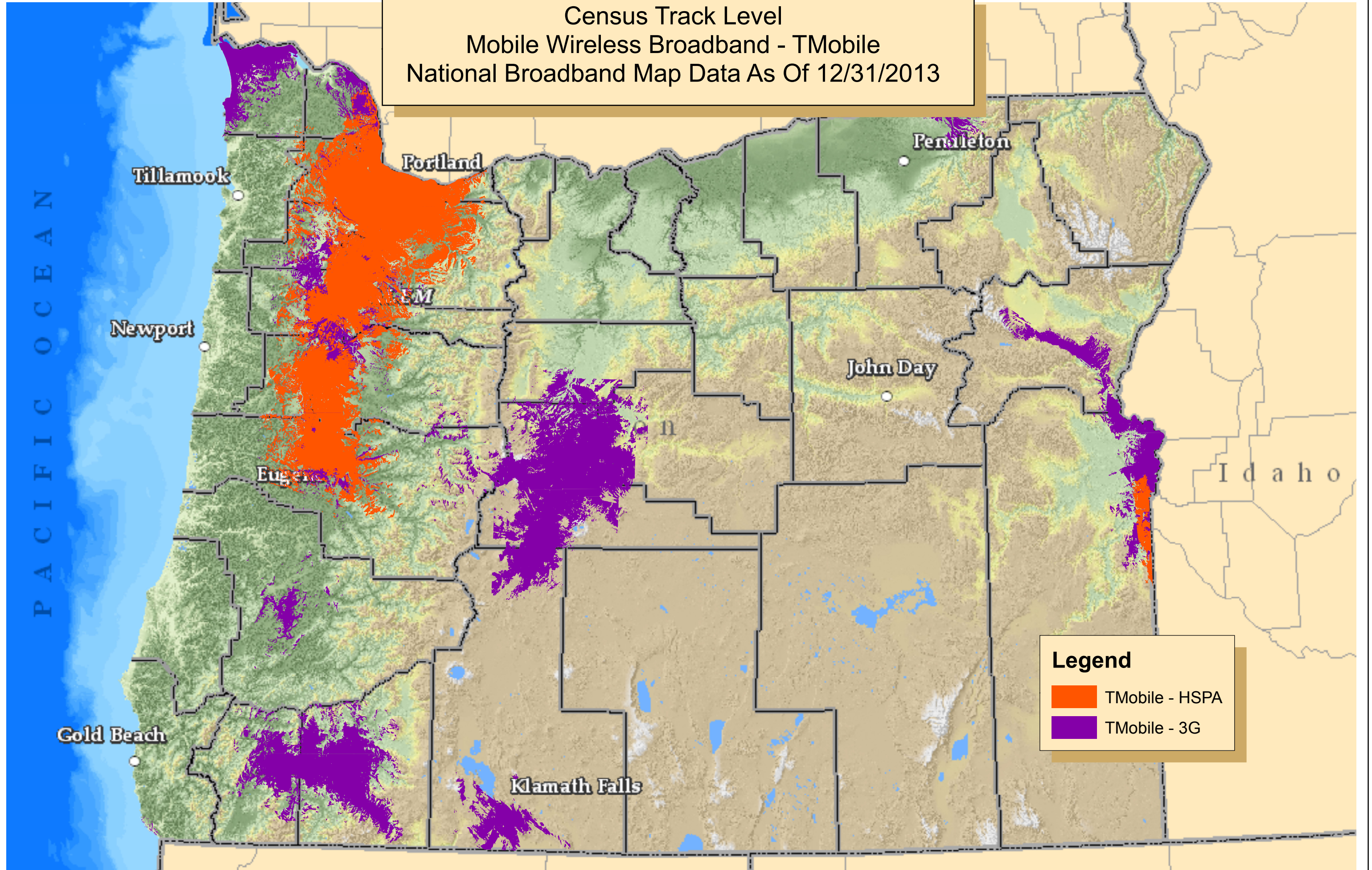


Census Tract Level  
Mobile Wireless Broadband - Sprint Nextel  
National Broadband Map Data As Of 12/31/2013





Census Tract Level  
Mobile Wireless Broadband - TMobile  
National Broadband Map Data As Of 12/31/2013

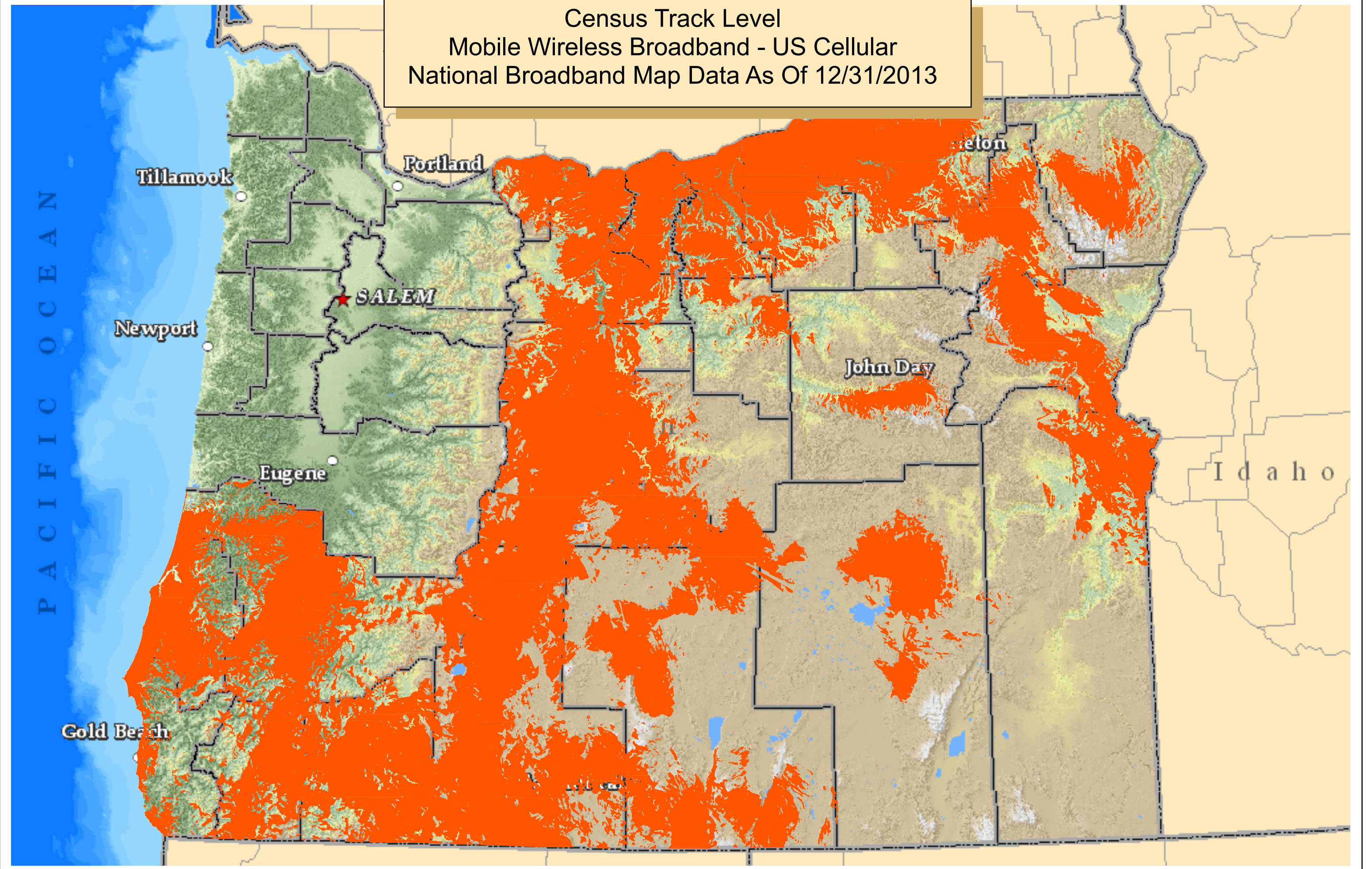


**Legend**

- Orange square: TMobile - HSPA
- Purple square: TMobile - 3G



Census Tract Level  
Mobile Wireless Broadband - US Cellular  
National Broadband Map Data As Of 12/31/2013





Census Tract Level  
Mobile Wireless Broadband - Verizon Wireless  
National Broadband Map Data As Of 12/31/2013

