

# Broadband in Oregon

Joseph Franell, Chair  
Oregon Broadband Advisory Council  
December 13, 2018



# Broadband as Essential Service

*“Like electricity a century ago, broadband is a foundation for economic growth, job creation, global competitiveness and a better way of life. It is enabling entire new industries and unlocking vast new possibilities for existing ones. It is changing how we educate children, deliver healthcare, manage energy, ensure public safety, engage government, and access, organize and disseminate knowledge.”*

*-The National Broadband Plan*

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# Broadband as Meta-Infrastructure

Broadband telecommunications may be viewed as a meta-infrastructure, an infrastructure that adds to and enhances other infrastructure.

- Power grids
- Transportation systems
- Water and wastewater systems
- The emerging Internet of Things

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# Oregon Public Policy

- “...it is the goal of this state to promote access to broadband services for all Oregonians in order to improve the economy in Oregon, improve the quality of life in Oregon communities and reduce the economic gap between Oregon communities that have access to broadband digital applications and services and those that do not...” [ORS 759.016(1)]
- “It is the policy of the State of Oregon to promote, facilitate and encourage activities, projects and businesses that improve Oregon’s Internet Protocol network infrastructure, performance and connectivity to the Internet backbone network and World Wide Web for the benefit of Oregon’s commercial, educational, governmental and individual users.” (SJR 19 (2007))

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# Oregon Broadband Advisory Council

## Council Mission:

- Encourage coordination and collaboration between organizations and economic sectors
- Leverage the development and utilization of broadband for education, workforce development and telehealth
- Promote broadband utilization by citizens and communities.

[www.broadband-oregon.org](http://www.broadband-oregon.org)

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# Oregon Broadband Advisory Council

The council members are community leaders appointed by the Governor and representing a broad range of sectors and interests

Cities

Jeremy Pietzold (City of Sandy)

Counties

David Yamamoto (Tillamook County)

Service Providers

W. Holmes, J. Franell, one vacancy

Tribes

Lonny Macy

Educators

Anne Carloss

Economic Development

Dave Sabala

Public Safety

Major Tom Worthy

Healthcare

Dr. Miles Ellenby

Office of the State CIO

Melody Riley-Ralphs

Public Utility Commission

Commissioner Stephen Bloom

Also

State House of Representatives

Representative Pam Marsh

State Senate

Vacant

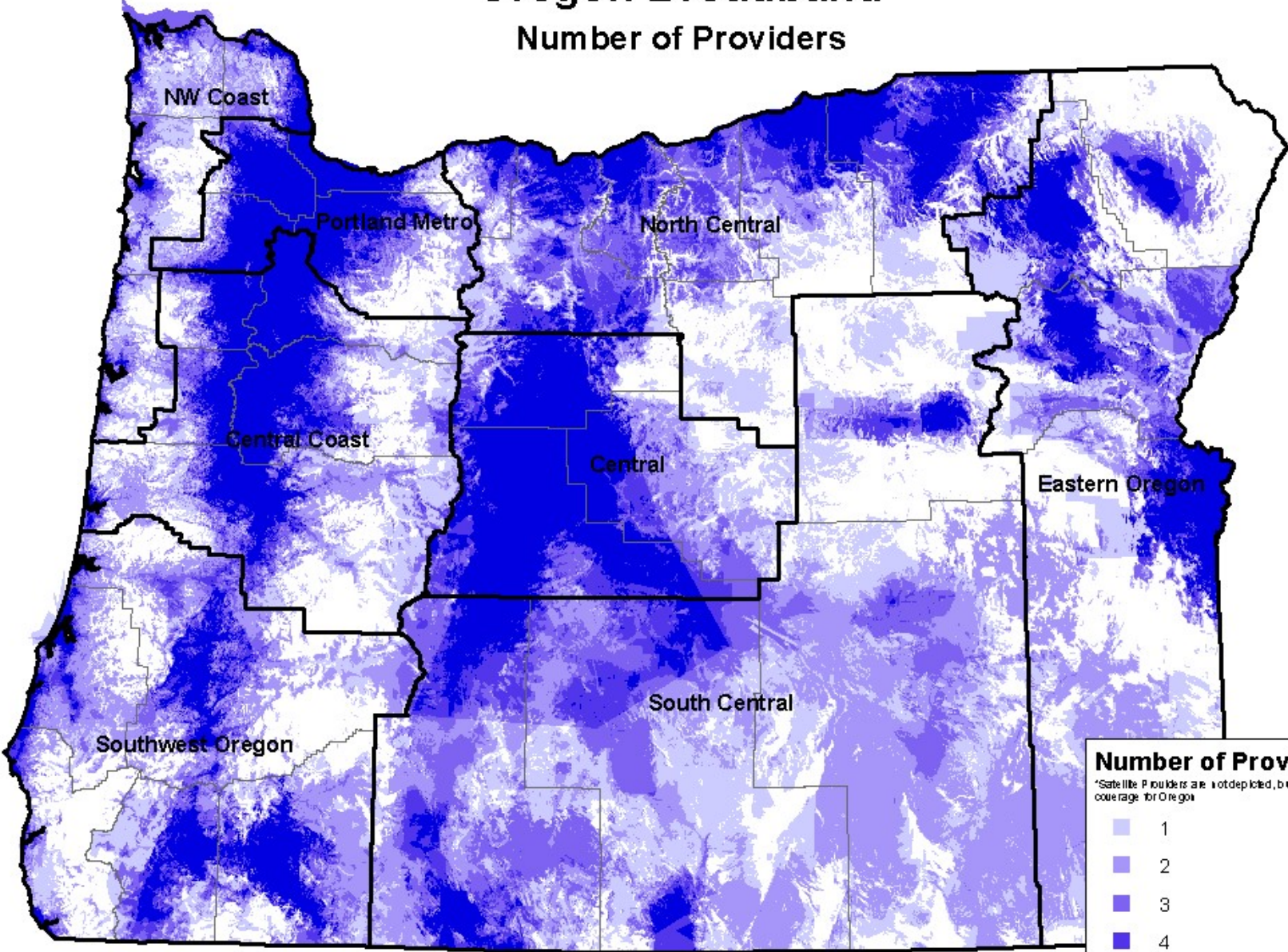
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# Oregon Broadband

## Number of Providers

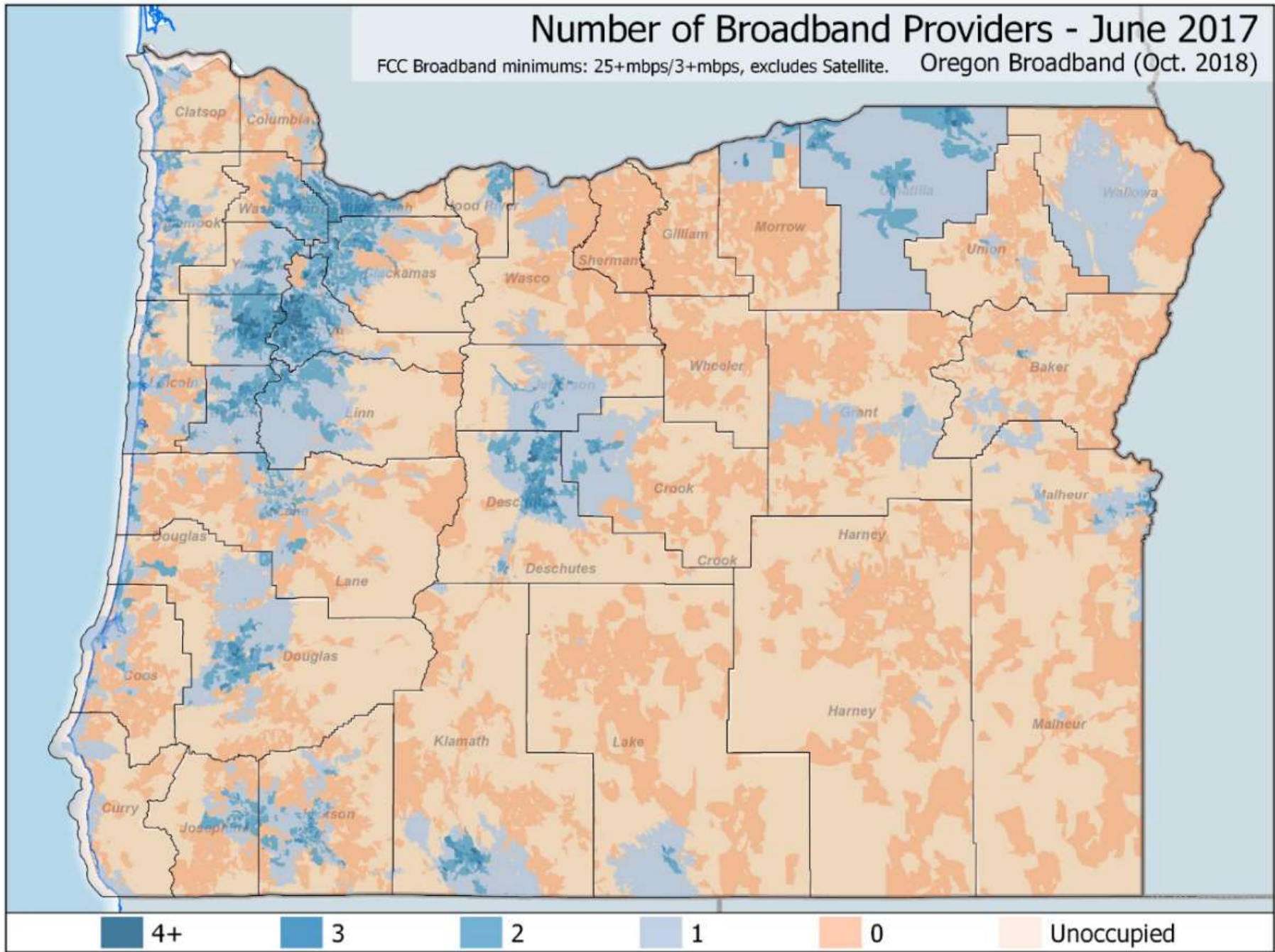


**Number of Providers**  
\*Satellite Providers are not depicted, but claim 100% coverage for Oregon

Lightest Blue	1
Light Blue	2
Medium-Light Blue	3
Medium Blue	4
Darkest Blue	>=5

# Number of Broadband Providers - June 2017

FCC Broadband minimums: 25+mbps/3+mbps, excludes Satellite. Oregon Broadband (Oct. 2018)



Broadband availability data: FCC Form 477, June 2017 version 1 (<https://www.fcc.gov/general/broadband-deployment-data-fcc-form-477>)  
2010 US Census blocks (<https://www.census.gov/geo/maps-data/data/tiger-data.html>)

[www.oregon.gov/broadband](http://www.oregon.gov/broadband)



# Oregon Broadband Advisory Council Report

The council is charged with reporting to the Legislative Assembly on the affordability and accessibility of broadband technology in all areas of the state and on the extent of broadband technology use in healthcare, energy management, education, and government.

The 2018 report also presents information on the role of broadband in local, regional and state economies, economic development, public policy issues, and key broadband related challenges and opportunities and facing the state.

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# OBAC Key Challenges and Opportunities

Oregon's broadband public policy needs to be focused on the future, more aggressive, more financially supportive, more specific, and have a sense of urgency. Key challenges include

Digital Inclusion

Agriculture

Cyber Security

Local Community Broadband Planning

Education

Leveraging Federal Funding Programs

Public Safety

Network Interconnectivity

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# OBAC Recommendations

- Create an Oregon Broadband Office
- Provide State Funding
- Repurpose the Oregon Universal Service Fund
- Support low adoption populations
- Promote broadband infrastructure deployment
- Require that broadband infrastructure components such as conduit be included for all state funded infrastructure programs
- Remain technology neutral

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# Oregon Broadband Advisory Council Local Broadband Champions report

The council is charged with reporting to the Legislative Assembly on options for a local broadband champion program to foster and support local broadband champions as directed by 2018 Oregon Law Chapter 51 SECTION 1 (2) / HB 4023 (2018)

The report presents a survey of strategies and programs to foster and support the development of local broadband champions, the Oregon local champion experience, and makes recommendations for a local broadband champion pilot program.

[www.broadband-oregon.org](http://www.broadband-oregon.org)

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# Local Broadband Champion

According to the directing statute, “local broadband champion” means a local government official, elected official, educator, business, organization, resident, community leader or other person that advocates for local broadband infrastructure improvements in the person’s community.

[www.broadband-oregon.org](http://www.broadband-oregon.org)

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# OBAC Recommendations

- Create and fund a *Local Broadband Champion Pilot Program* to foster and support broadband champions
- Organize and launch a broadband outreach promotional campaign
- Create an Oregon Broadband Champions Network
- Create a Broadband Community of Interest Directory

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# OBAC Recommendations

- Promote and provide training and consulting for local and regional communities to begin formal broadband planning
- Promote the development of public-private partnerships
- Establish channels of communication and promote collaboration among broadband service providers and local users.
- Promote inclusion of broadband advocacy in the job descriptions of economic development officials.

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# Thank You !

## Oregon Broadband Advisory Council

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