

# Broadband Investment

Daniel Holbrook, Broadband Manager

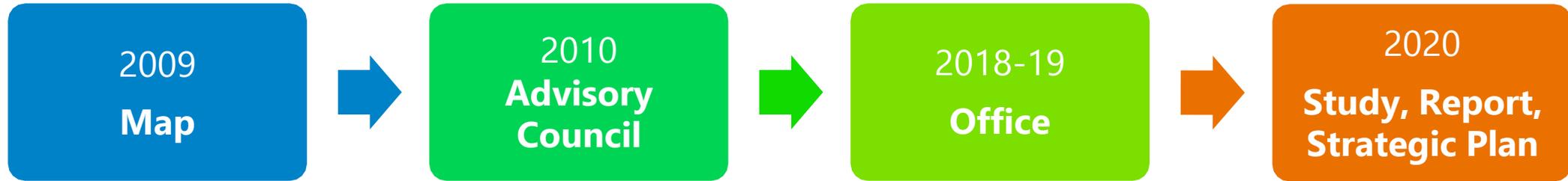
Oregon Broadband Office

April 21, 2021

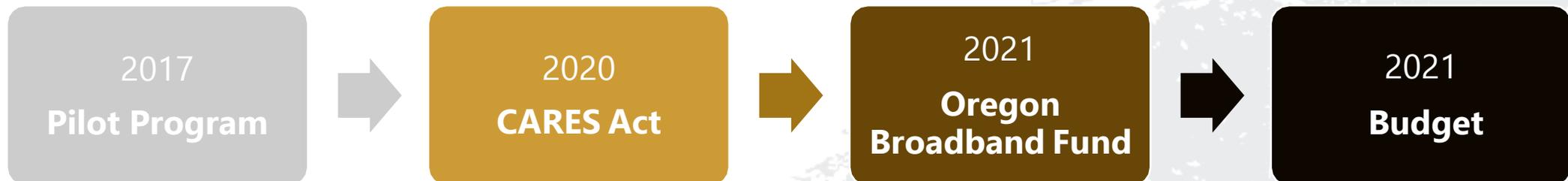


# State Engagement - Foundation

## Policy



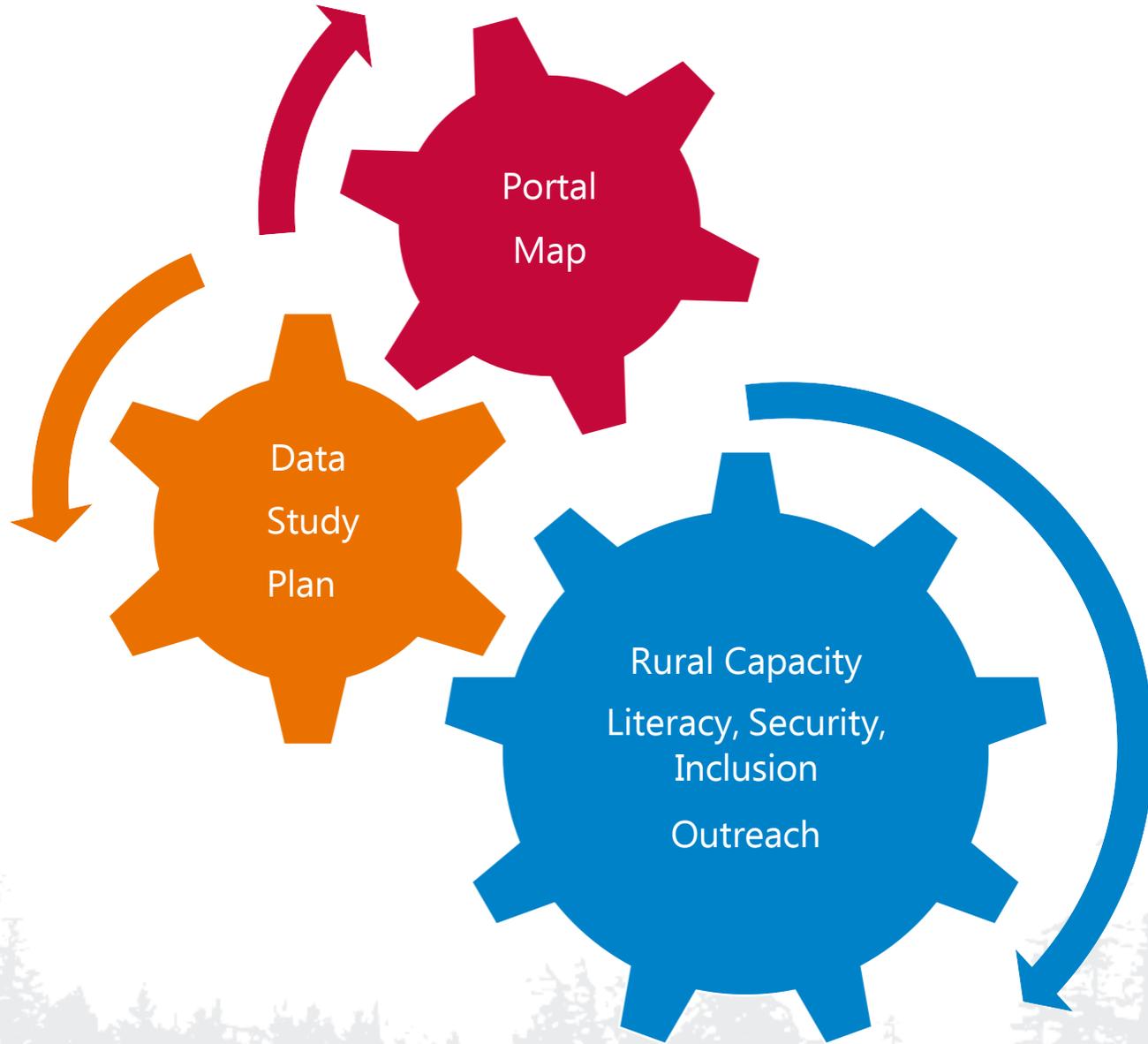
## Funding



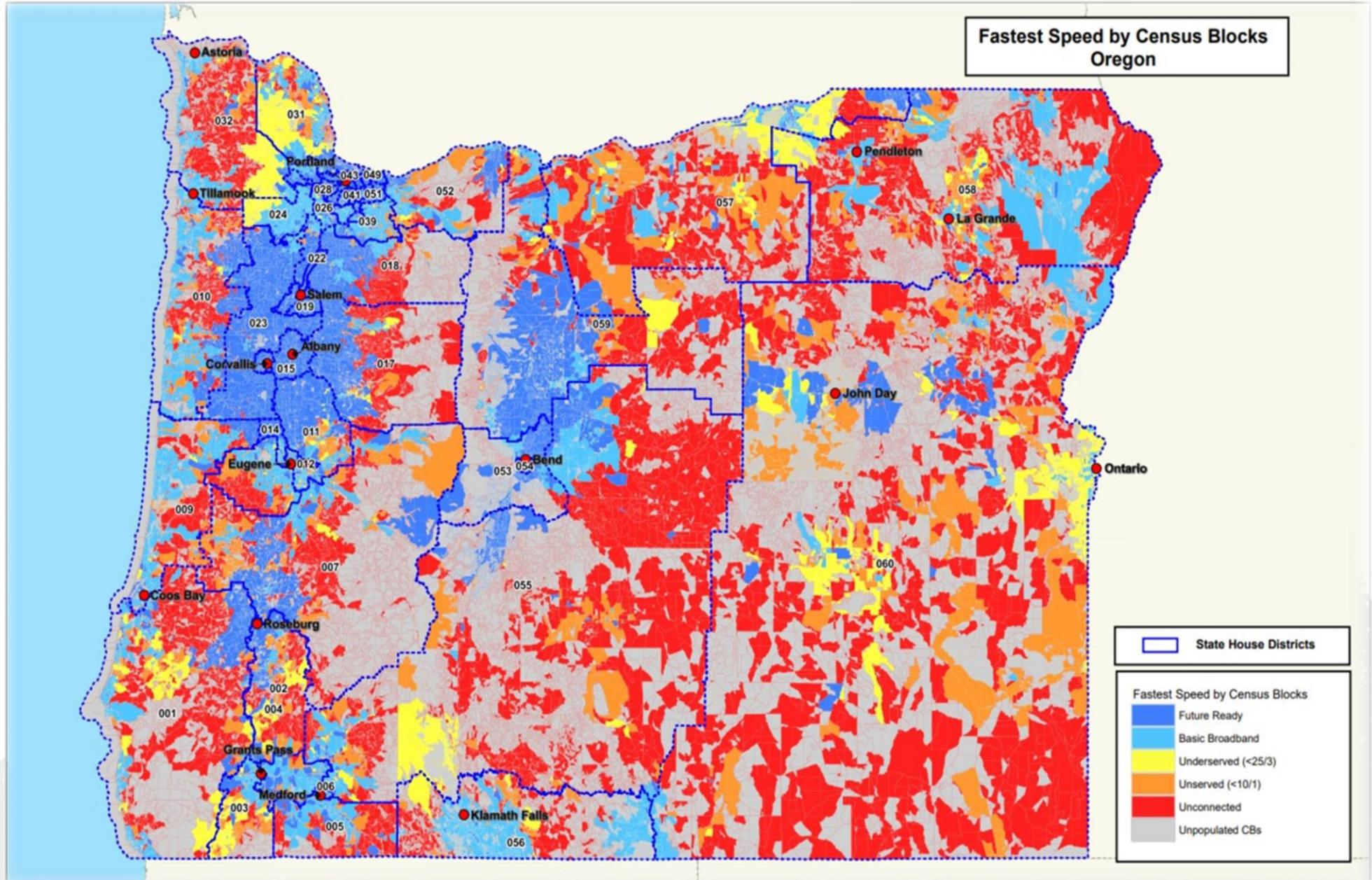
# Broadband Strategy

## Requirement:

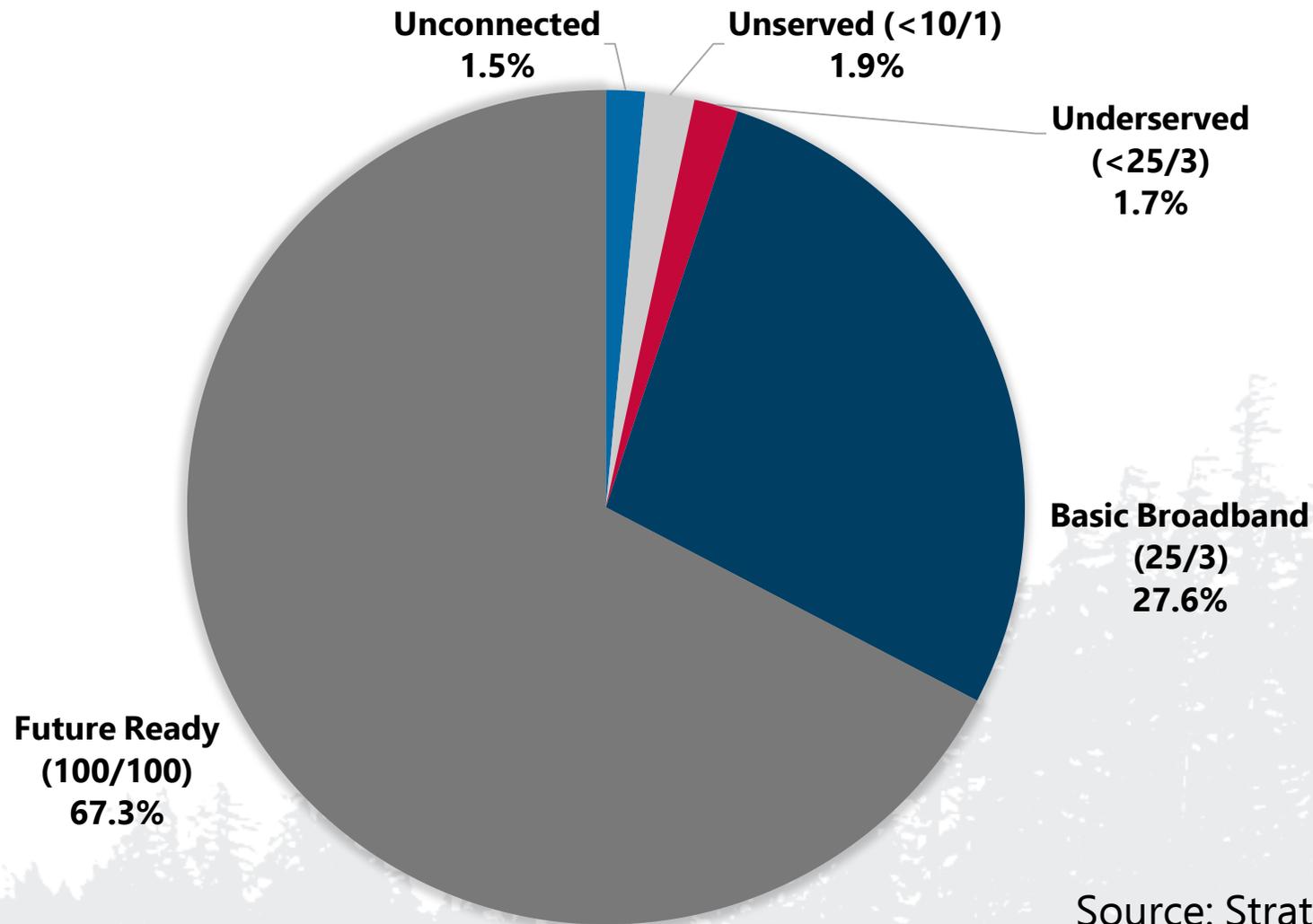
Office expansion to accomplish strategy



# Digital Divide



# Percent of Population by Speed Block

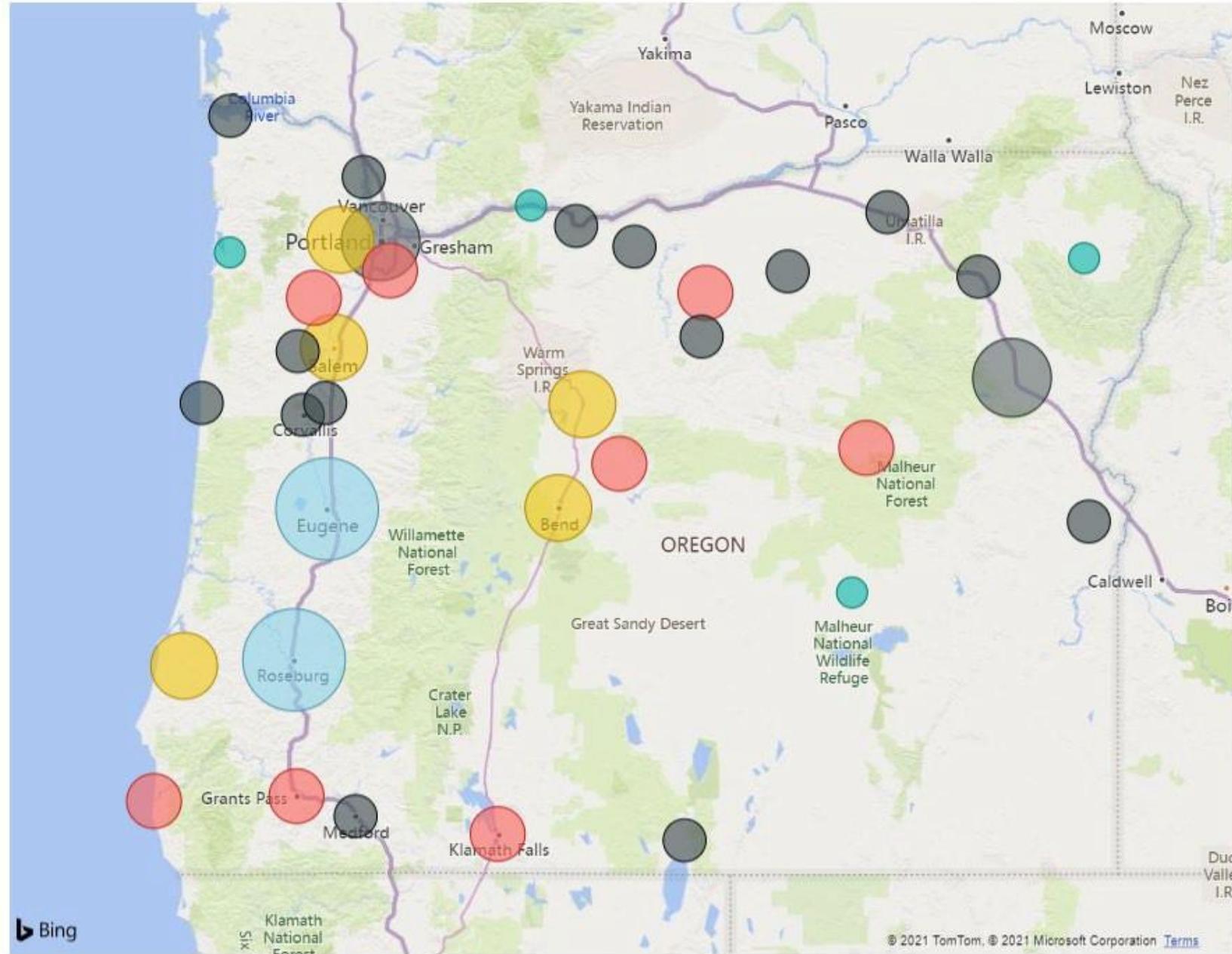


# 2021 Request for Information

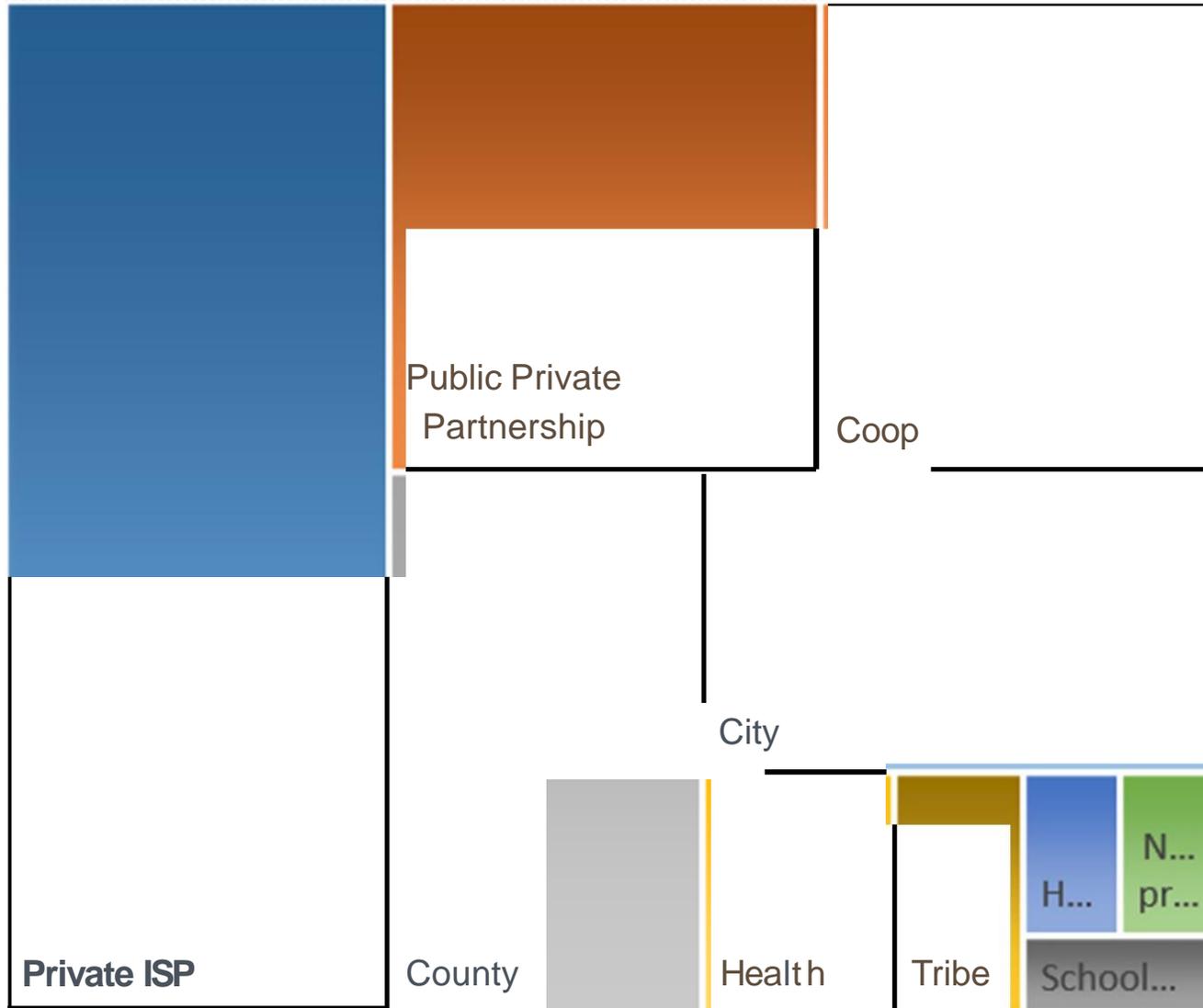
- Total Projects: 78
- Total Cost: \$501M
- Total Grants Needed: \$345M
- Technical Assistance Requested: 32

RFI Projects\_2 by County/St and RFI Projects\_2

RFI Projects\_2 1 2 3 4 5 7



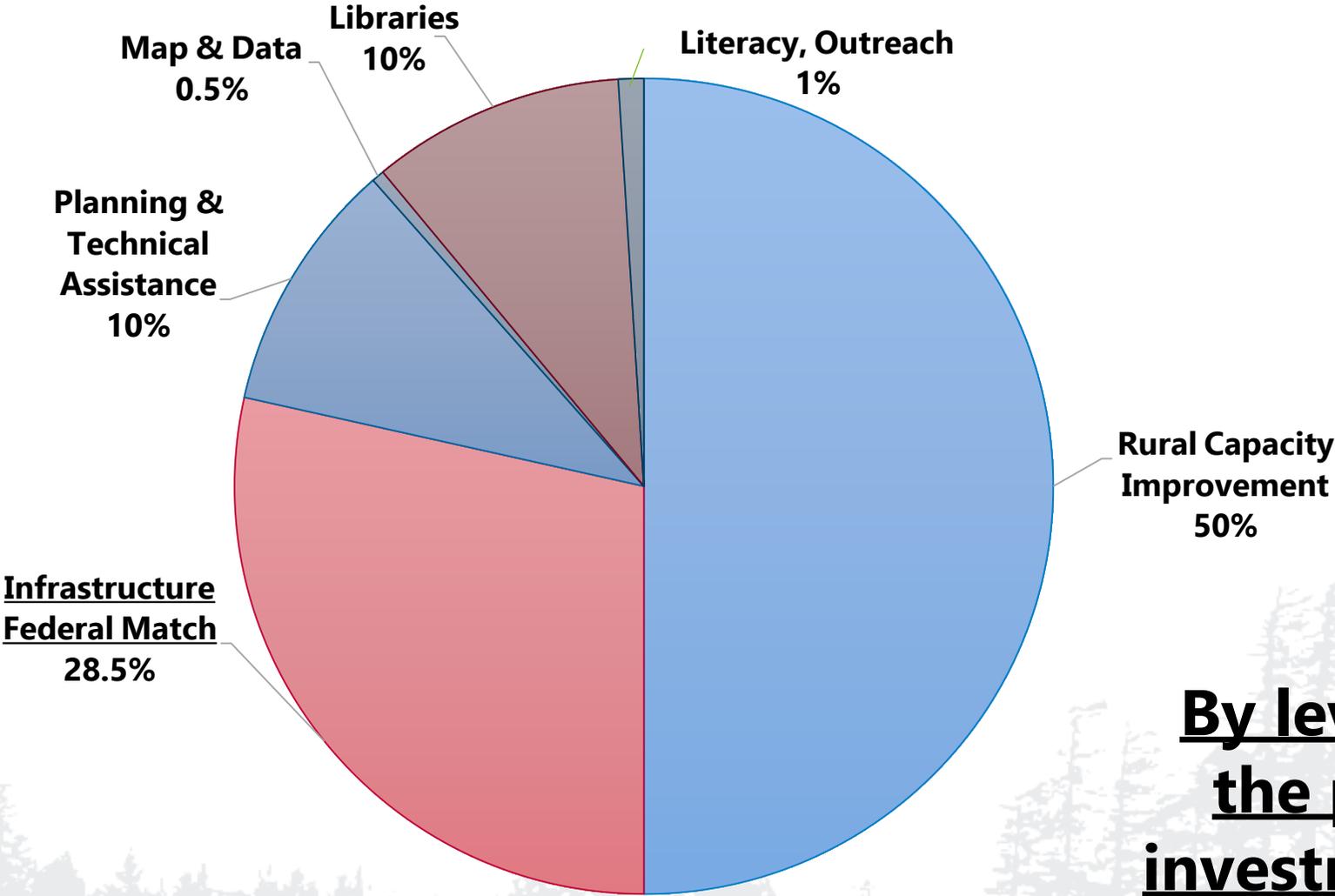
# Projects by Organization Type



- City
- Coop
- County
- Health
- Hospital
- Non-profit
- Private ISP
- Public Private Partnership
- School District
- Tribe

# Investment Strategy

**Budget: \$100M**



**By leveraging Federal funds, the potential impact of this investment could be \$185.5M**

# Application Approach

## Connect:

- **Businesses**
- **Community Anchors**
- **Governments**
- **Homes**
- **Hospitals**
- **Libraries**
- **Schools**

## Quick Action

\$-\$\$

Open (decision in 45 day)

Internal review process

Examples: conduit, match, small projects, emergency response, planning

## Capacity Projects

\$\$-\$\$\$\$

Annual (decision in 120 days)

Review Committee Process

Criteria scoring

Examples: long-term infrastructure expansion (last & middle mile)



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EDUCATION

*Oregon achieves . . . together!*

# **Governor's Broadband Investment**

## Connecting Oregon Schools Fund

Rick Crager

Assistant Superintendent of Finance and Information Technology

April 21, 2021

# Oregon Department of Education

## Governor's Budget Proposal

### Expanding Access to Broadband

Regardless of income level or zip code, the pandemic has demonstrated that every child must have access to broadband internet connections and digital learning devices for distance learning. The Governor's budget includes a \$17.7 million investment of Lottery-Backed Bonds for expanding Internet connectivity in Oregon schools and maximizing the use of available federal resources.



# Oregon Department of Education

## Oregon Connectivity Snapshot

- Federal Connectivity Goals
  - ✓ 100 kbps per student Internet bandwidth with a goal of 1 Mbps per student Internet bandwidth.
  - ✓ 1 Gbps for point to point district connectivity – wide area networks.
- 78% of Oregon school districts meet the minimum 100 Kbps/student goals.
- 84% have WAN circuits at 1 Gbps or greater.
- 12% of schools are estimated to lack scalable infrastructure that enables capacity to meet every changing student needs.
- An estimated 48% of school districts may have at least one school not on fiber.



# Oregon Department of Education

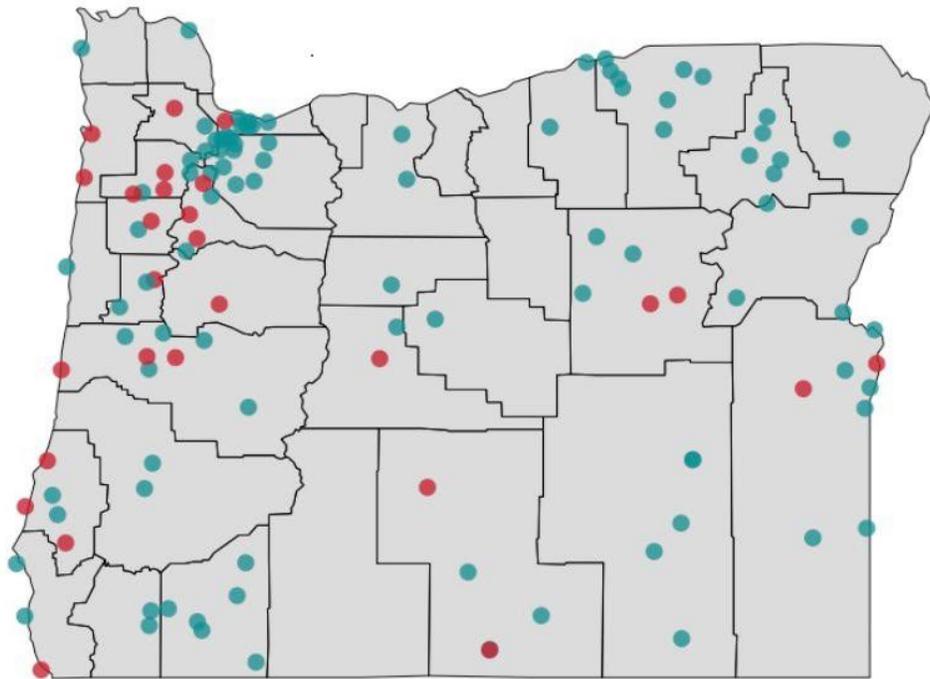
## Oregon Connectivity Snapshot

Goals

78% of  
districts

61% of  
students

meet the minimum  
**100 kbps per student**  
goal for bandwidth



District goal status

- Meets 100 kbps per student
- Does not meet 100 kbps per student

# Oregon Department of Education

## Connecting Oregon School Funds – Pilot (May 2016)

**May 2016 State Investment - \$199,571**  
**Federal Funds Leveraged - \$1.95 million**

School District	Project Cost	FCC Discount	FCC Funds	Original Funding Gap	State GIA Match	FCC Increase	Final Funding Gap
Lake ESD (Paisley SD)	\$1,419,500	70%	\$993,650	\$425,850	\$141,950	\$141,950	\$141,950
Columbia Gorge ESD (Sherman Co. SD)	\$223,481	77%	\$172,080	\$51,401	\$22,348	\$22,348	\$6,704
Columbia Gorge ESD (S. Wasco SD)	\$32,680	77%	\$25,164	\$7,516	\$3,268	\$3,268	\$980
Santiam Canyon SD	\$20,046	80%	\$16,037	\$4,009	\$2,005	\$2,005	\$0
Glendale SD	\$600,000	90%	\$540,000	\$60,000	\$30,000	\$30,000	\$0
<b>Total</b>	<b>\$2,295,707</b>		<b>\$1,746,931</b>	<b>\$548,776</b>	<b>\$199,571</b>	<b>\$199,571</b>	<b>\$149,635</b>

- Five school districts located in very rural and remote areas of the state with districts less than 2,500 students.
- Every \$1 of state investment leveraged an additional \$12.50 for project cost.
- Included upgrades to aging fiber for up to 10 Gbps and updates from 30Mbps Microwave Internet to 10 Gbps per 1,000 users.

# Oregon Department of Education

## Connecting Oregon School Funds – Pilot (October 2018)

**October 2018 State Investment - \$338,687**  
**Federal Funds Leveraged - \$5.31 million**

School District	Project Cost	FCC Discount	FCC Funds	Original Funding Gap	State GIA Match	FCC Increase	Final Funding Gap
South Lane SD	\$1,068,167	80%	\$854,534	\$213,633	\$106,817	\$106,817	\$0
Columbia Gorge ESD - Dufur SD	\$438,426	90%	\$394,583	\$43,843	\$21,921	\$21,921	\$0
Imbler SD	\$45,000	80%	\$36,000	\$9,000	\$4,500	\$4,500	\$0
Huntington SD	\$3,300,000	90%	\$2,970,000	\$330,000	\$165,000	\$165,000	\$0
Elgin SD	\$808,981	90%	\$728,083	\$80,898	\$40,449	\$40,449	\$0
<b>Total</b>	<b>\$5,660,574</b>		<b>\$4,983,200</b>	<b>\$677,374</b>	<b>\$338,687</b>	<b>\$338,687</b>	<b>\$0</b>

- Five school districts located in Union, Wasco, Baker, and remote areas of Lane.
- Every \$1 of state investment leveraged an additional \$15.71 for project cost.
- Nearly 84 miles of fiber constructed between Eastern Oregon schools.
- Leveraged ESD point to point connection from 30 Mbps to 1 Gbps

# Oregon Department of Education

## Investment Versus Benefits

### Connectivity Investments for Oregon Schools - \$17.7 million



- ✓ Leverages an estimated \$70.8 million of additional local and federal resources for 40-60 school district projects focused on improving both school and wide area network connectivity.
- ✓ Incentizes school districts that have typically not applied for federal Erate funding due to inability to finance project funding gap.
- ✓ Provides access to communities that have been disproportionately impacted during the pandemic, including rural, Black, Indigenous, Latino, Latina, Latinx, Asian, Pacific Islander, Native American, and Tribal communities.
- ✓ Creates local and state economic stimulus related to increased construction activity.

# Oregon Department of Education

## Questions

### **For More Information Contact:**

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# Connecting Oregonians: Broadband Assistance

- OHCS Policy Package 90 Broadband Assistance
  - \$6.4 million for an Urban Connectivity program to provide financial assistance to Oregonians
  - Partner with non-profit housing providers
  - Request for Proposals to explore different delivery mechanisms
- National interest in broadband support for affordable housing
- Dovetails with new assistance to low-income Oregonians, allows for new strategies

