



OREGON



BEAD Program Impact Assessment

Eligible Locations

How many unserved/underserved locations are eligible for BEAD funding?

12% **173K LOCATIONS**

OF OREGON LOCATIONS LACK HIGH-SPEED BROADBAND IN JUN 2023

VS. 9% STATE/TERRITORY AVERAGE

UNSERVED LOCATIONS, JUN. 2024



68.5K LOCATIONS

Are estimated to lack broadband access at 25/3 Mbps

UNDERSERVED LOCATIONS, JUN. 2024



LOCATIONS

Are estimated to lack broadband access at 100/20 Mbps

These locations are primarily in rural areas and are eligible for BEAD funding to deploy broadband service.

Total Funding

How much capital funding is the State/Territory estimated to have?

\$689M

IN BEAD FUNDING HAS BEEN **ALLOCATED TO OREGON**

VS. \$743M STATE/TERRITORY AVERAGE

ESTIMATED BEAD FUNDING:

BEAD Funds allocated by NTIA

\$689M

Estimated Provider Match

\$347M

Estimated Total Capital

\$1.0B

The provider match is estimated using a high-level service provider business case. See national summary deck for full details.

Deployment

How many locations can be covered with fiber and other technologies?

\$383M-\$689M

OF BEAD FUNDS IS REQUIRED TO **BUILD HIGH-SPEED BROADBAND** TO ALL ELIGIBLE LOCATIONS

DEPLOYMENT SCENARIOS:



Baseline Fiber

ກຸດດຸກ Maximum **Fiber**

100% **LOCATIONS REACHED**

63% FIBER **LOCATIONS**

69% 100% **LOCATIONS FIBER REACHED LOCATIONS**

\$731M **TOTAL CAPITAL COST**

\$306M REMAINING BUDGET

\$1.0B **TOTAL CAPITAL COST**

\$--M **REMAINING BUDGET**





Estimate Eligible Locations

Oregon | Estimated Eligible Locations for BEAD Projects

	Unserved (less than	Underserved (less than	Location Distribution in June 2024
June 2023 FCC Broadband Locations	25Mbps/3Mbps) 111.6K	100Mbps/20Mbps) 61.7K	Served Underserved Underserved Unserved 1.5M
Subsidy Program Funded Locations ¹	32.9K	12.3K	118.0K B 49.5K 3.3% of locations are underserved
Incremental Build ² (13% annual build, for 12 months)	10.2K		A 68.5K 4.6% of locations are unserved Oregon
Jun. 2024 Estimated Eligible Locations	68.5K A	49.5K B	We estimate 8% of locations will be eligible for BEAD Project Funding in Oregon

^{1.} Locations with "commitments" to receive support from federal subsidy programs

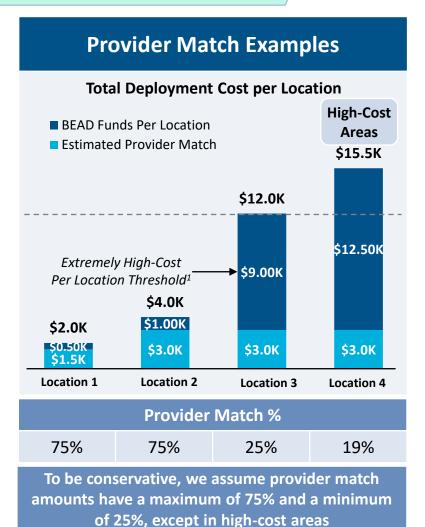




^{2.} Given the uncertainty around the magnitude of locations moving from unserved to underserved, we have not made incremental builds adjustments to underserved locations BEAD eligible locations does not account for state-specific eligibility rules set forth in Initial Proposals Source: Cartesian, FCC National Broadband Map (June 2023 data, released in November 2023)

Calculate BEAD Funding

Oregon | BEAD Funding & Estimated Provider Match



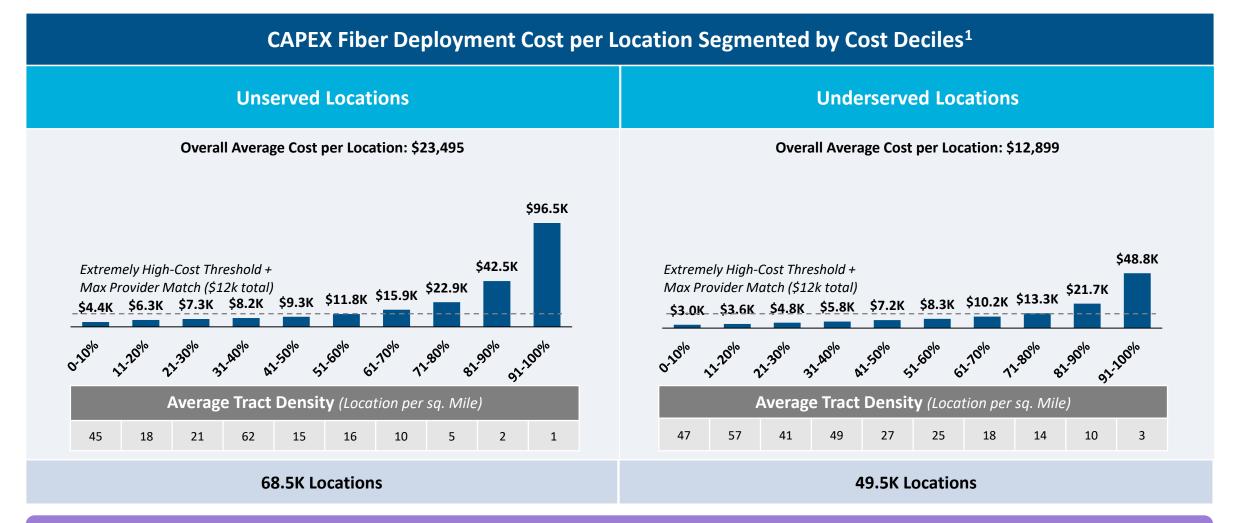






^{1.} The model uses a \$9k threshold, however, States/Territories will individually need to determine their appropriate extremely high-cost threshold

^{2.} In reality, providers will determine the viable level of match funding for each project using a business case model. They will be willing to contribute a greater match in some locations and less in others. Locations which are hardest to serve may need to be fully funded by BEAD with no match. Competitive bidding should drive provider matches towards this level. Source: Cartesian, FCC National Broadband Map (June 2023 data, released in November 2023), Benton, NTIA



Over 60% of locations are estimated to fall below the High-Cost Threshold + Provider Match





Oregon | Fiber Preferencing Scenarios

SCENARIO:

Baseline Fiber Deployment

PRIMARY ACCESS TECHNOLOGY: **Below High-Cost Threshold**

Above High-Cost Threshold

FIBER

FIXED WIRELESS

Fiber is first deployed to unserved locations below extremely high-cost threshold, from least expensive to most



If there are funds leftover...

Unserved locations above the extremely high-cost threshold are then served with fixed wireless



If there are funds leftover...

Remaining funds used to deploy fiber to as many underserved locations below the high-cost threshold, while retaining enough funds to serve remaining underserved locations with fixed wireless

OUTCOME:

FUNDING

PRIORITIZATION:



More funding for other eligible programs

Maximum Fiber Deployment¹

Below High-Cost Threshold

Above High-Cost Threshold

FIBER

FIBER & FIXED WIRELESS

Fiber is deployed to low-cost areas first across both unserved and underserved locations

> Model optimizes to maximize fiber locations and achieve full coverage within budget

As many locations as possible are served with fiber, while leaving budget for fixed wireless when 100% fiber coverage is not possible



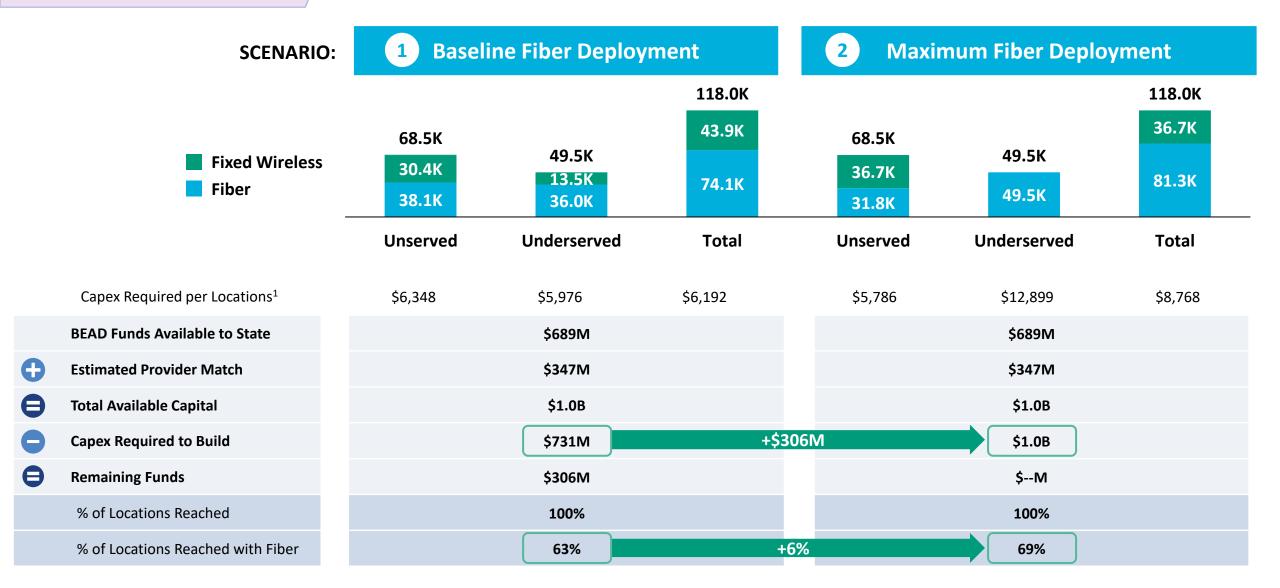
More locations reached with fiber





Develop Deployment Scenarios

Oregon | Scenario Analysis Results







Oregon | Conclusion



Funding Summary



Key Findings

Oregon is expected to receive

\$689M in BEAD funding



\$347M in estimated provider matching

We estimate the funding is sufficient to reach all of Oregon's 118.0k eligible locations with high-speed broadband

Oregon will need to decide how far to deploy fiber while considering the trade-off of having higher fiber coverage vs. retaining funds for other BEAD eligible programs

A Baseline Fiber Deployment...



Maximizing Fiber...

- Leaves \$306M additional funds for affordability programs
- Reaches 63% of locations with fiber
- Requires 37% to be reached with other tech.

- Exhausts funds without leaving additional funds for affordability programs
- Reaches 69% of locations with fiber
- Requires 31% to be reached with other tech.

States/Territories will set their own extremely high-cost threshold and may choose a threshold or funding paradigm different from these two scenarios

Oregon | ACA Connects Members

Member Name
Astound Broadband
Beacon Broadband, Inc.
Cable One, Inc.
Consolidated Communications, Inc.
Lict Corp
Minet
Northwest Fiber, LLC
Rio Virgin Cablevision
Rural Telephone Company
TDS Telecom

VERSION 4.0





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