





# **WASHINGTON**

## **BEAD Program Impact Assessment**

1 Eligible Locations

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

**12%** 293K LOCATIONS

OF WASHINGTON LOCATIONS LACK HIGH-SPEED BROADBAND IN JUN 2023

VS. 9% STATE/TERRITORY AVERAGE

#### **UNSERVED LOCATIONS, JUN. 2024**



Are estimated to lack broadband access at **25/3 Mbps** 

#### **UNDERSERVED LOCATIONS, JUN. 2024**



61.0K

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?

\$1.2B

IN BEAD FUNDING HAS BEEN ALLOCATED TO WASHINGTON

VS. \$743M STATE/TERRITORY AVERAGE

#### **ESTIMATED BEAD FUNDING:**

**BEAD Funds** allocated by NTIA

\$1.2B

**Estimated Provider Match** 

\$616M

**Estimated Total Capital** 

\$1.8B

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

3

### **Deployment**

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

\$581M-\$1.2B OF BEAD FUNDS IS REQUIRED TO BUILD HIGH-SPEED BROADBAND TO ALL ELIGIBLE LOCATIONS

#### **DEPLOYMENT SCENARIOS:**



Baseline Fiber Maximum Fiber

100% LOCATIONS REACHED 77%
FIBER
LOCATIONS

100%
LOCATIONS
REACHED

96%
FIBER
LOCATIONS

\$1.2B
TOTAL CAPITAL COST

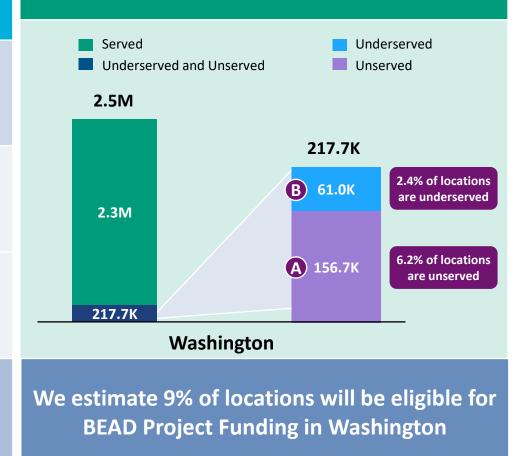
\$647M REMAINING BUDGET \$1.8B
TOTAL CAPITAL COST

\$--M
REMAINING BUDGET

### **Estimate Eligible** Locations

# **Washington | Estimated Eligible Locations for BEAD Projects**

	Unserved (less than	Underserved (less than	Location Distribution in
June 2023 FCC Broadband Locations	25Mbps/3Mbps) 217.9K	100Mbps/20Mbps) 75.2K	Served Underserved and Unserved  2.5M
<ul> <li>Subsidy Program Funded Locations<sup>1</sup></li> </ul>	37.8K	14.2K	217 B 61
Incremental Build <sup>2</sup> (13% annual build, for 12 months)	23.4K		217.7K Washington
Jun. 2024 Estimated Eligible Locations	156.7K <b>A</b>	61.0K <b>B</b>	We estimate 9% of locations was BEAD Project Funding in V



**June 2024** 



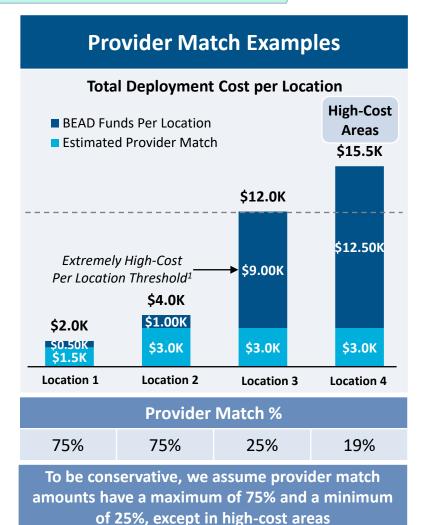


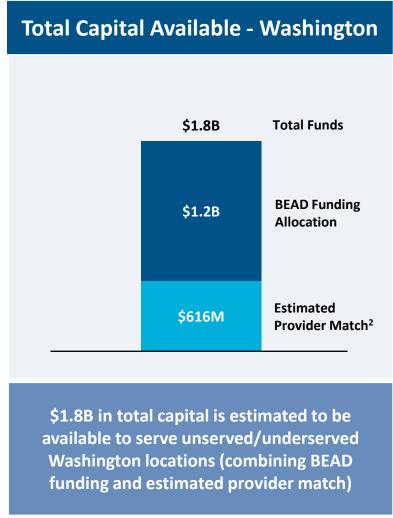
<sup>1.</sup> Locations with "commitments" to receive support from federal subsidy programs

<sup>2.</sup> 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

## Washington | BEAD Funding & Estimated Provider Match



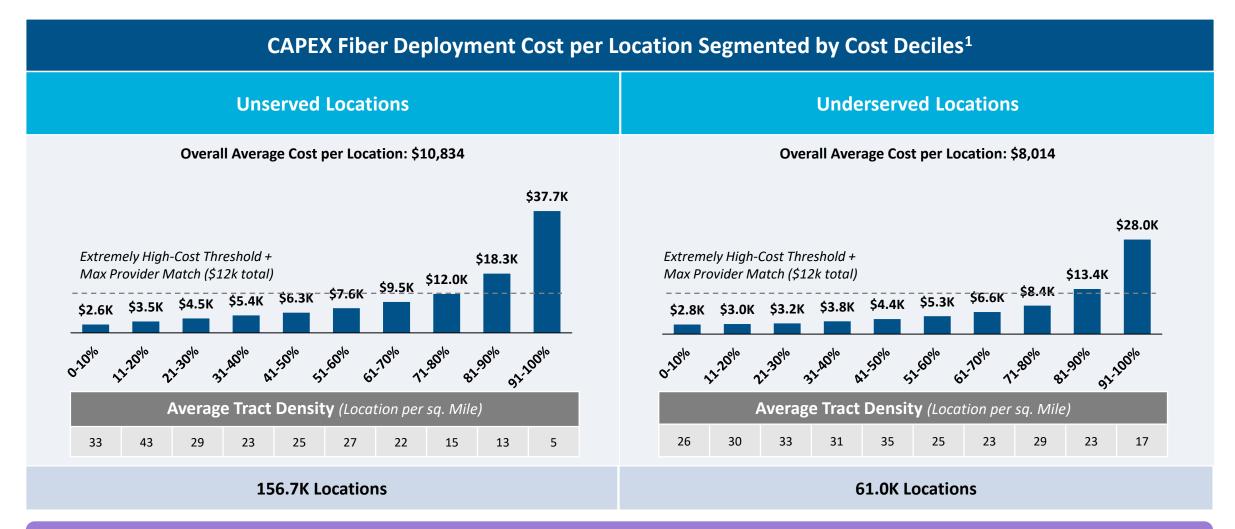






<sup>1.</sup> The model uses a \$9k threshold, however, States/Territories will individually need to determine their appropriate extremely high-cost threshold

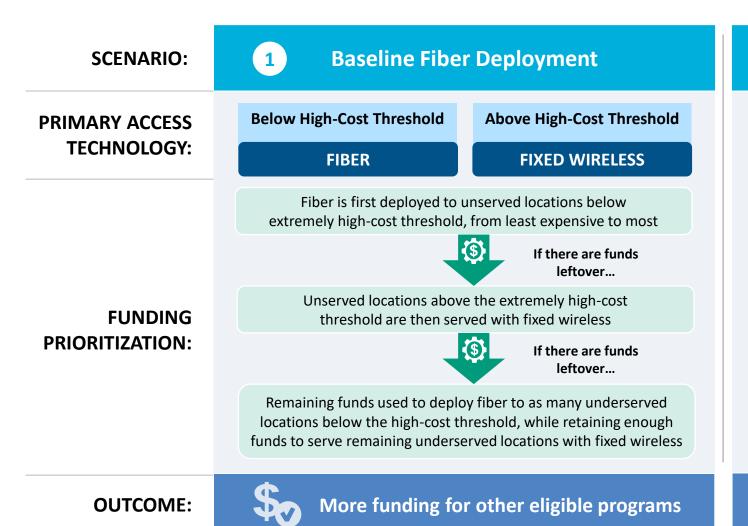
<sup>2.</sup> In reality, providers will determine the viable level of match funding for each project using a business case model. They will be willing to contribute a greater match in some locations and less in others. Locations which are hardest to serve may need to be fully funded by BEAD with no 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

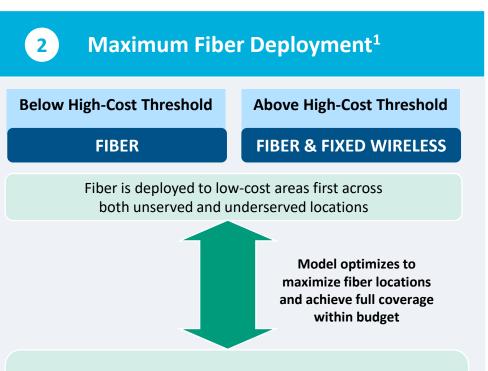


Over 80% of locations are estimated to fall below the High-Cost Threshold + Provider Match





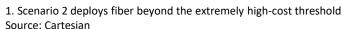




As many locations as possible are served with fiber, while leaving budget for fixed wireless when 100% fiber coverage is not possible



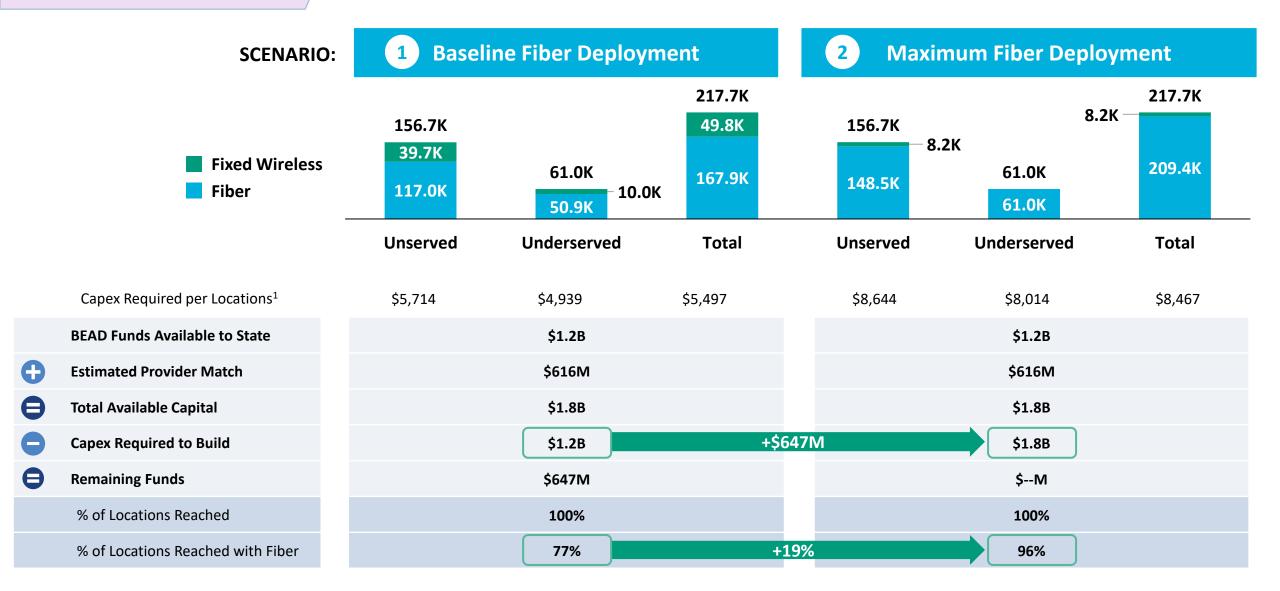
More locations reached with fiber





# Develop Deployment Scenarios

## **Washington** | Scenario Analysis Results









## Washington | Conclusion



### **Funding Summary**



#### **Key Findings**

Washington is expected to receive

\$1.2B in BEAD funding



\$616M in estimated provider matching

We estimate the funding is sufficient to reach all of Washington's 217.7k eligible locations with high-speed broadband

Washington 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 \$647M additional funds for affordability programs
- Reaches 77% of locations with fiber
- Requires 23% to be reached with other tech.

- Exhausts funds without leaving additional funds for affordability programs
- Reaches 96% of locations with fiber
- Requires 4% 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

## **Washington** | **ACA Connects Members**

Member Name	
Astound Broadband	
Cable One, Inc.	
Coast Communications Co, Inc.	
Concept Communication Corp	
Consolidated Communications, Inc.	
Davis Communications	
Hood Canal Cablevision	
Localtel Communications Aka Computer 5 I	
Mashell, Inc. dba Rainier Connect	
Northwest Fiber, LLC	
Rio Virgin Cablevision	
Rural Telephone Company	
Sound Internet Services dba Pogozone	
St. John Telephone Company	
TDS Telecom	
Television Assoc Of Republic	
Tulalip Tribes dba Salish Networks, Inc.	
Vyve	





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