





OKLAHOMA

BEAD Program Impact Assessment

1 Eligible Locations

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

15% 251K LOCATIONS

OF OKLAHOMA LOCATIONS LACK HIGH-SPEED BROADBAND IN JUN 2023

VS. 9% STATE/TERRITORY AVERAGE

UNSERVED LOCATIONS, JUN. 2024



62.9K LOCATIONS

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

UNDERSERVED LOCATIONS, JUN. 2024



58.3K 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?

\$797M

IN BEAD FUNDING HAS BEEN ALLOCATED TO OKLAHOMA

VS. \$743M STATE/TERRITORY AVERAGE

ESTIMATED BEAD FUNDING:

BEAD Funds allocated by NTIA

\$797M

Estimated Provider Match

\$358M

Estimated Total Capital

\$1.2B

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?

\$416M-\$797M

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

DEPLOYMENT SCENARIOS:



Baseline Fiber Maximum Fiber

100%
LOCATIONS
REACHED

58% FIBER LOCATIONS 100%
LOCATIONS
REACHED

86%
FIBER
LOCATIONS

\$775M
TOTAL CAPITAL COST

\$381M REMAINING BUDGET \$1.2B
TOTAL CAPITAL COST

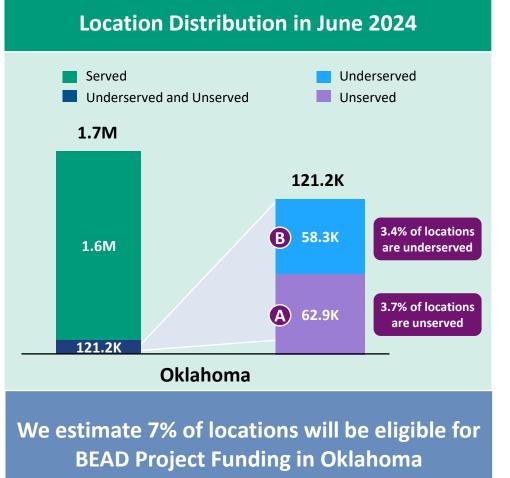
\$--M
REMAINING BUDGET



Estimate Eligible Locations

Oklahoma | Estimated Eligible Locations for BEAD Projects

	Unserved (less than	Underserved (less than	Location Distribution in Ju
June 2023 FCC Broadband Locations	25Mbps/3Mbps) 145.6K	100Mbps/20Mbps) 105.8K	Served Underserved and Unserved 1.7M
 Subsidy Program Funded Locations¹ 	73.3K	47.5K	1.6M B 58.3K
Incremental Build ² (13% annual build, for 12 months)	9.4K		A 62.9K Oklahoma
Jun. 2024 Estimated Eligible Locations	62.9K A	58.3K B	We estimate 7% of locations will BEAD Project Funding in Ol





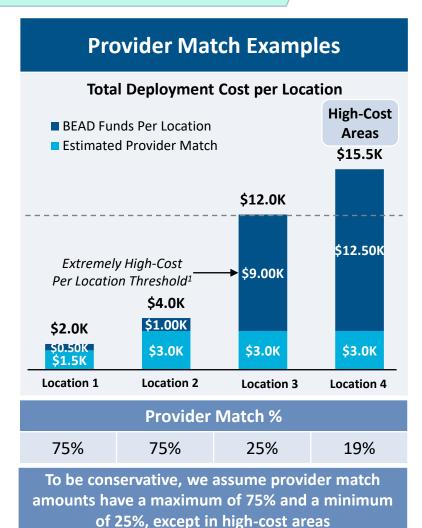


^{1.} Locations with "commitments" to receive support from federal subsidy programs

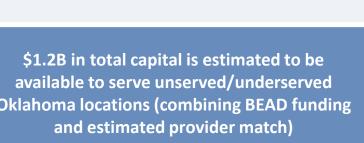
^{2.} Given the uncertainty around the magnitude of locations moving from unserved to underserved, we have not made incremental builds adjustments to underserved locations BEAD eligible locations does not account for state-specific eligibility rules set forth in Initial Proposals Source: Cartesian, FCC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

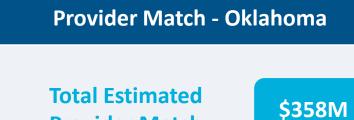
Calculate BEAD **Funding**

Oklahoma | BEAD Funding & Estimated Provider Match











Provider Match:

121.2K



\$2,955 PER LOCATION

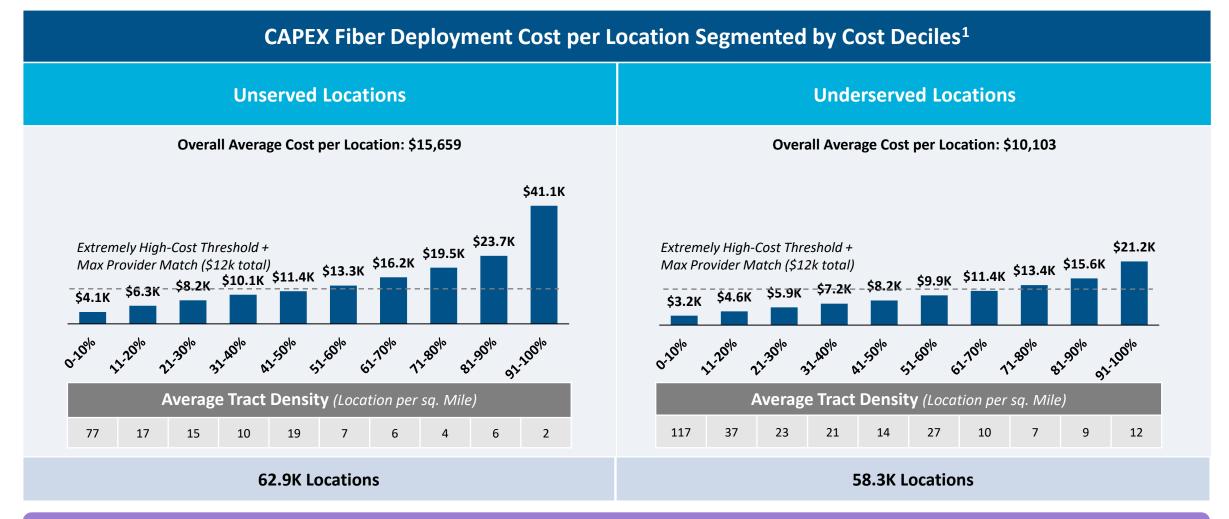
We estimate the average provider match will be \$2,955 – provider matches will be 75% where cost to deploy is less than \$4K

^{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





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



Over 55% of locations are estimated to fall below the High-Cost Threshold + Provider Match







1

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



Below High-Cost Threshold

Above High-Cost Threshold

FIBER

FIBER & FIXED WIRELESS

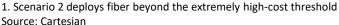
Fiber is deployed to low-cost areas first across both unserved and underserved locations



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

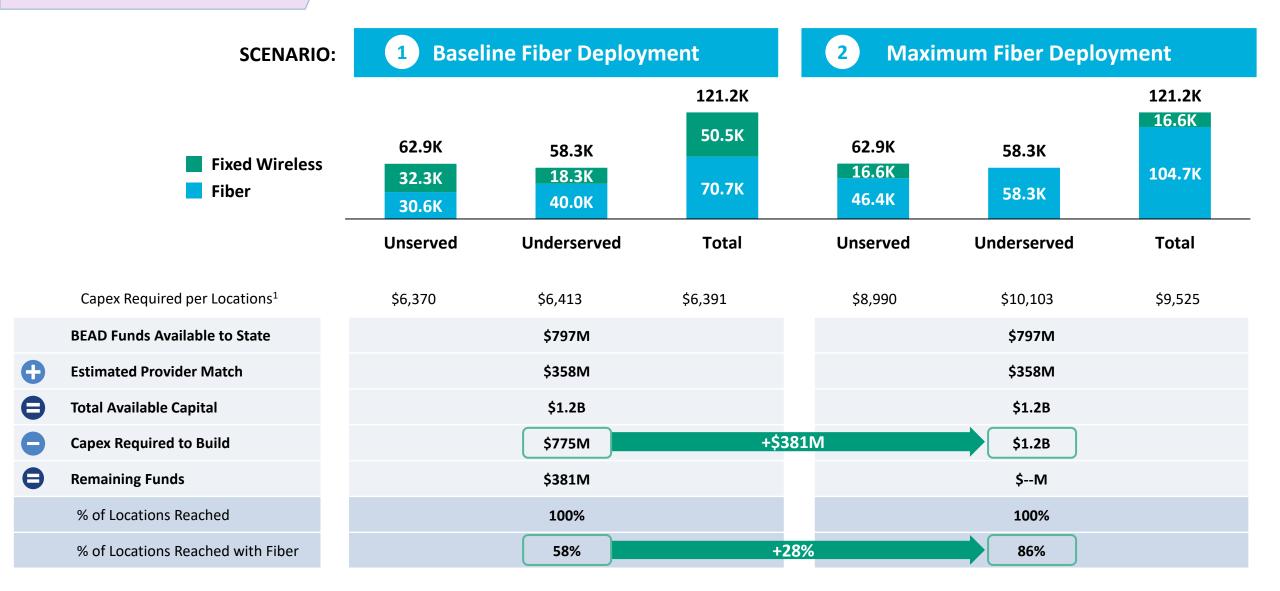


More locations reached with fiber



Develop Deployment Scenarios

Oklahoma | Scenario Analysis Results







Oklahoma | Conclusion



Funding Summary



Key Findings

Oklahoma is expected to receive

\$797M in BEAD funding



\$358M in estimated provider matching

We estimate the funding is sufficient to reach all of Oklahoma's 121.2k eligible locations with high-speed broadband Oklahoma 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 \$381M additional funds for affordability programs
- Reaches 58% of locations with fiber
- Requires 42% to be reached with other tech.

- Exhausts funds without leaving additional funds for affordability programs
- Reaches 86% of locations with fiber
- Requires 14% 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

Oklahoma | ACA Connects Members

Member Name	
Broken Bow Cable	
Cable One, Inc.	
Carnegie Cable	
CIM Tel Cable, Inc.	
Clarity Telecom, LLC dba Bluepeak	
Consolidated Communications, Inc.	
Crawkan Telephone Cooperative, Inc.	
GTC, Inc.	
Hinton Catv Co, Inc.	
Northeast Rural Services, Inc.	
Oklahoma Fiber, LLC	
Ozarksgo, LLC	
Pioneer Telephone Cooperative, Inc.	
Sallisaw Municipal Authority	
Southern Plains Cable TV	
TDS Telecom	
United Communications Assn, Inc.	
Vyve	





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