





ARKANSAS

BEAD Program Impact Assessment

Eligible Locations

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

18% **245K LOCATIONS**

OF ARKANSAS LOCATIONS LACK **HIGH-SPEED BROADBAND IN JUN 2023**

VS. 9% STATE/TERRITORY AVERAGE

UNSERVED LOCATIONS, JUN. 2024



72.6K **LOCATIONS**

Are estimated to lack broadband access at 25/3 Mbps

UNDERSERVED LOCATIONS, JUN. 2024



47.6K **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?

\$1.0B

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

VS. \$743M STATE/TERRITORY AVERAGE

ESTIMATED BEAD FUNDING:

BEAD Funds allocated by NTIA

\$1.0B

Estimated Provider Match

\$347M

Estimated Total Capital

\$1.4B

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?

\$374M-\$656M

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

DEPLOYMENT SCENARIOS:



Baseline Fiber

ກຸດດຸກ Maximum

100%

FIBER

100% LOCATIONS **REACHED**

81% FIBER **LOCATIONS**

100% **LOCATIONS REACHED LOCATIONS**

\$721M **TOTAL CAPITAL COST**

\$1.0B **TOTAL CAPITAL COST**

\$650M

\$368M **REMAINING BUDGET**

REMAINING BUDGET





Estimate Eligible Locations

Arkansas | Estimated Eligible Locations for BEAD Projects

	Unserved (less than 25Mbps/3Mbps)	Underserved (less than 100Mbps/20Mbps)	Location Distribution in June 2024
June 2023 FCC Broadband Locations	175.8K	69.3K	Served Underserved Unserved 1.4M
 Subsidy Program Funded Locations¹ 	92.3K	21.8K	1.2M B 47.6K 3.5% of locations are underserved
Incremental Build ² (13% annual build, for 12 months)	10.8K		120.1K 5.3% of locations are unserved Arkansas
Jun. 2024 Estimated Eligible Locations	72.6K A	47.6K B	We estimate 9% of locations will be eligible for BEAD Project Funding in Arkansas

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

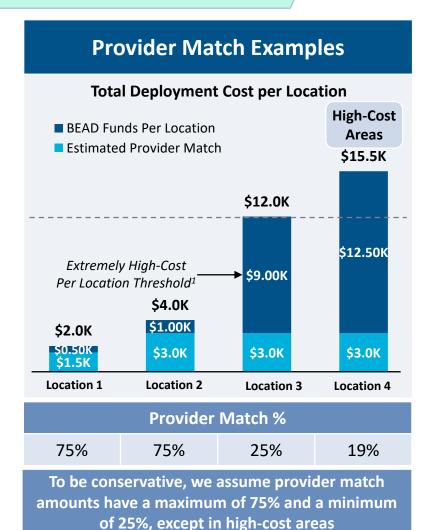




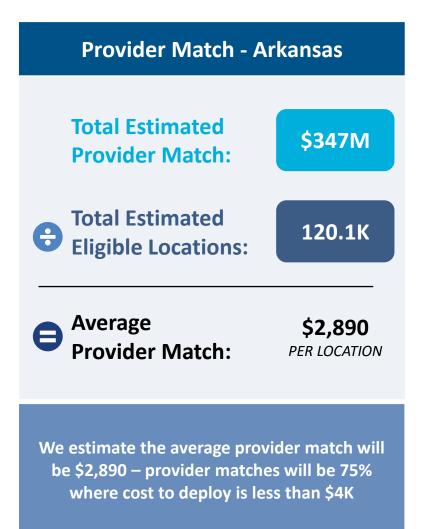
^{2.} Given the uncertainty around the magnitude of locations moving from unserved to underserved, we have not made incremental builds adjustments to underserved locations BEAD eligible locations does not account for state-specific eligibility rules set forth in Initial Proposals Source: Cartesian, FCC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

Calculate BEAD **Funding**

Arkansas | BEAD Funding & Estimated Provider Match



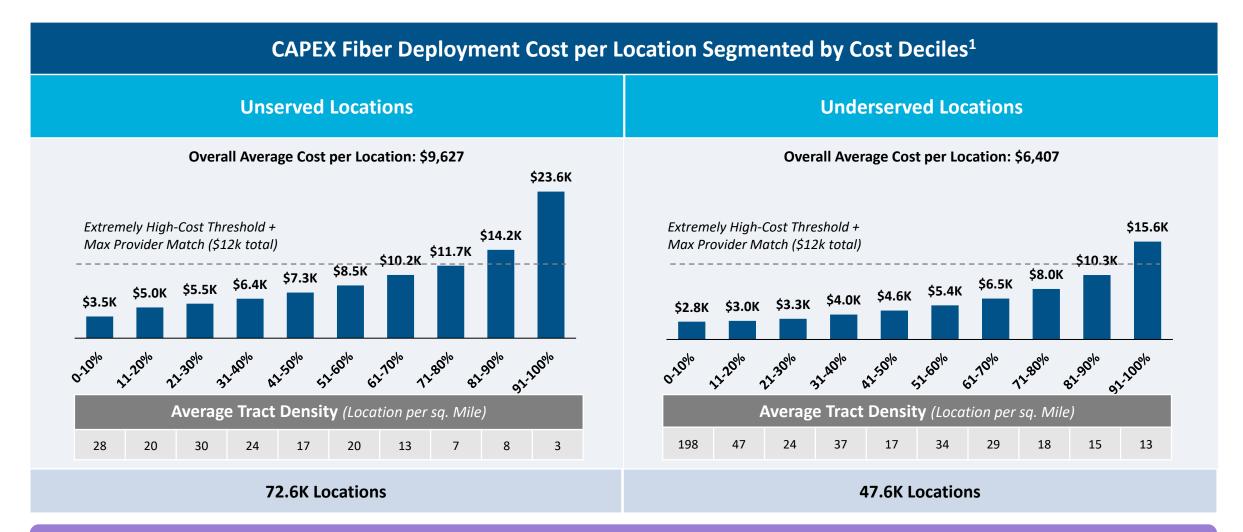






^{1.} The model uses a \$9k threshold, however, States/Territories will individually need to determine their appropriate extremely high-cost threshold

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



Arkansas | Fiber Preferencing Scenarios

SCENARIO:

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

2 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

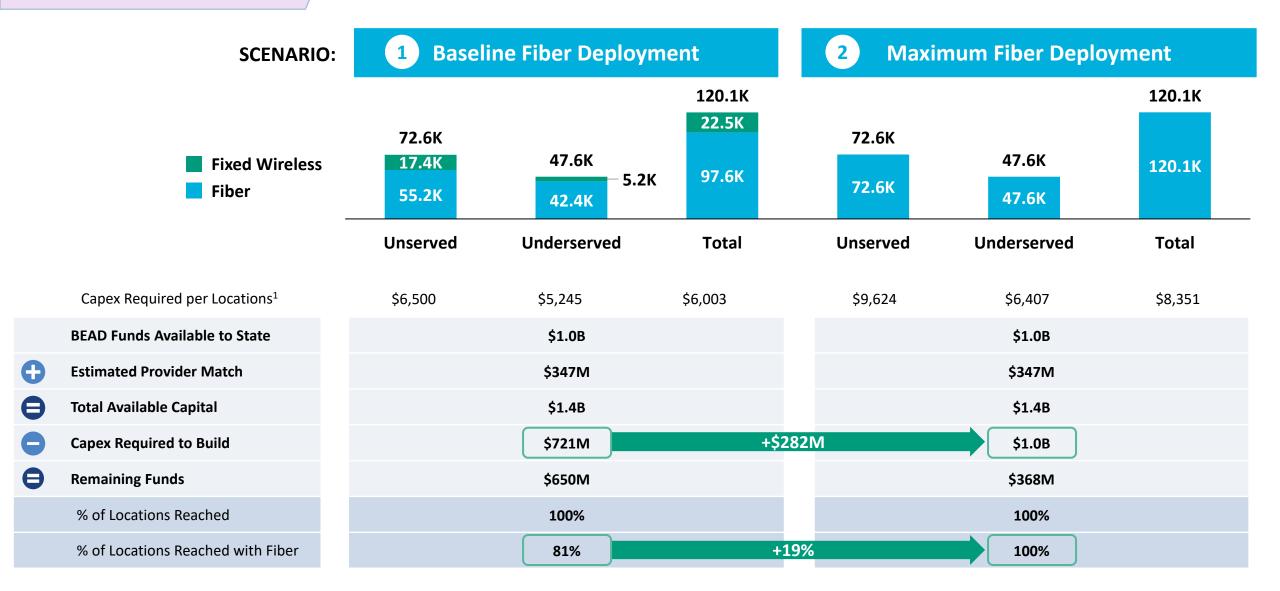
As many locations as possible are served with fiber, while leaving budget for fixed wireless when 100% fiber coverage is not possible



More locations reached with fiber

Develop Deployment Scenarios

Arkansas | Scenario Analysis Results







Arkansas | Conclusion



Funding Summary



Key Findings

Arkansas is expected to receive

\$1.0B in BEAD funding



\$347M in estimated provider matching

We estimate the funding is sufficient to reach all of Arkansas's 120.1k eligible locations with high-speed broadband

Arkansas appears well positioned to reach all eligible premises and have funding for other BEAD eligible programs

A Baseline Fiber Deployment...



Maximizing Fiber...

- Leaves \$650M additional funds for affordability programs
- Reaches 81% of locations with fiber
- Requires 19% to be reached with other tech.

- Leaves \$368M additional funds for affordability programs
- Reaches 100% of locations with fiber
- Requires 0% 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



Arkansas | ACA Connects Members

Member Name
Bayou Cable, Inc.
Broken Bow Cable
Cable One, Inc.
CableSouth Media III, LLC
Central Arkansas Telephone Cooperative, Inc.
Consolidated Communications, Inc.
Conway Corporation
Grain Capital
Madison County Cable, Inc.
Ozarksgo, LLC
Paragould City Cable
Skyfinet, LLC
Southwest Arkansas Telephone Coop, Inc.
Vyve
Yelcot Video Group

VERSION 4.0





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