





ALABAMA



BEAD Program Impact Assessment

1 Eligible Locations

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

17% 375K LOCATIONS

OF ALABAMA LOCATIONS LACK HIGH-SPEED BROADBAND IN JUN 2023

VS. 9% STATE/TERRITORY AVERAGE

UNSERVED LOCATIONS, JUN. 2024



161.1K LOCATIONS

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

UNDERSERVED LOCATIONS, JUN. 2024



51.2K

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?

\$1.4B

IN BEAD FUNDING HAS BEEN ALLOCATED TO ALABAMA

VS. \$743M STATE/TERRITORY AVERAGE

ESTIMATED BEAD FUNDING:

BEAD Funds allocated by NTIA

\$1.4B

Estimated Provider Match

\$616M

Estimated Total Capital

\$2.0B

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?

\$705M-\$965M OF BEAD FUNDS IS REQUIRED TO BUILD HIGH-SPEED BROADBAND TO ALL ELIGIBLE LOCATIONS

DEPLOYMENT SCENARIOS:



Baseline Fiber Maximum Fiber

100% LOCATIONS REACHED 88% FIBER LOCATIONS 100%
LOCATIONS
REACHED

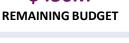
100% FIBER

LOCATIONS

\$1.3B
TOTAL CAPITAL COST

\$696M REMAINING BUDGET \$1.6B
TOTAL CAPITAL COST

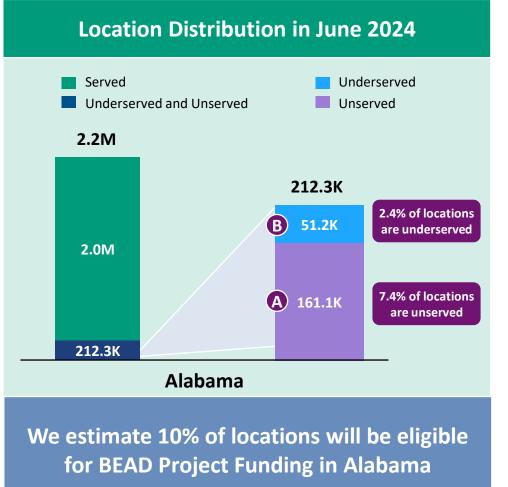
\$436M



Estimate Eligible Locations

Alabama | Estimated Eligible Locations for BEAD Projects

	Unserved (less than	Underserved (less than	Location Distrib
June 2023 FCC Broadband Locations	25Mbps/3Mbps) 296.4K	100Mbps/20Mbps) 78.2K	Served Underserved and Unserve 2.2M
Subsidy Program Funded Locations ¹	111.3K	27.0K	2.0M
Incremental Build ² (13% annual build, for 12 months)	24.0K		212.3K Alabama
Jun. 2024 Estimated Eligible Locations	161.1K A	51.2K B	We estimate 10% of I for BEAD Project



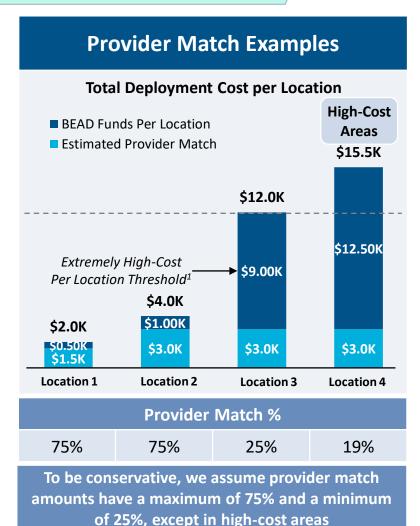


^{1.} Locations with "commitments" to receive support from federal subsidy programs

^{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

Alabama | BEAD Funding & Estimated Provider Match



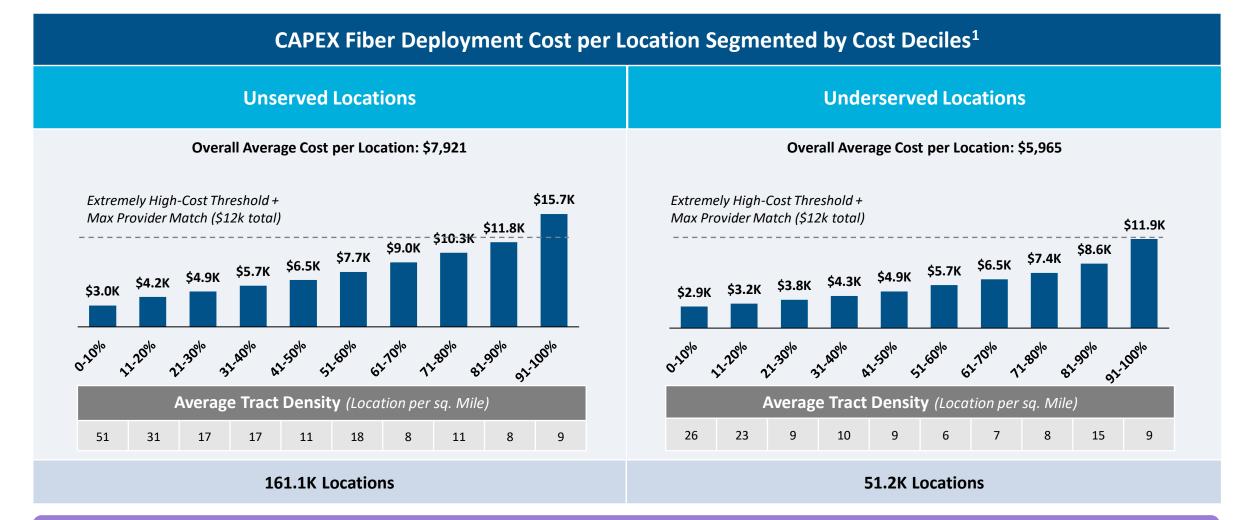






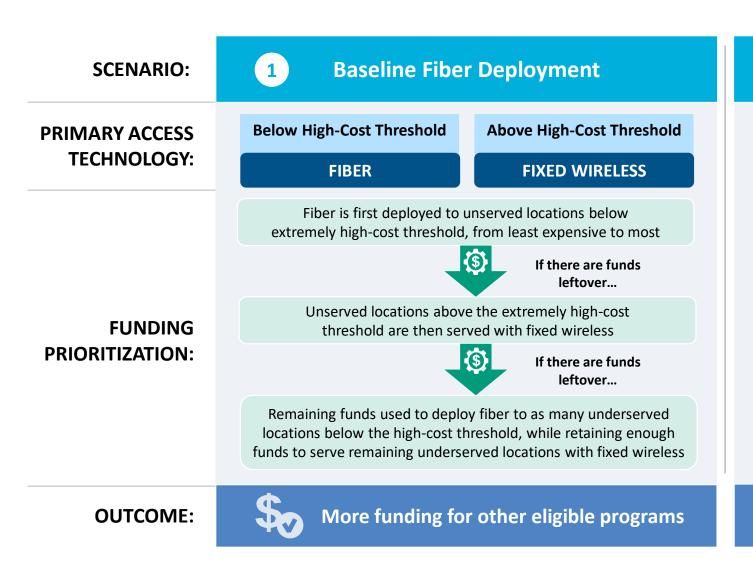
^{1.} The model uses a \$9k threshold, however, States/Territories will individually need to determine their appropriate extremely high-cost threshold

^{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 90% of locations are estimated to fall below the High-Cost Threshold + Provider Match







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

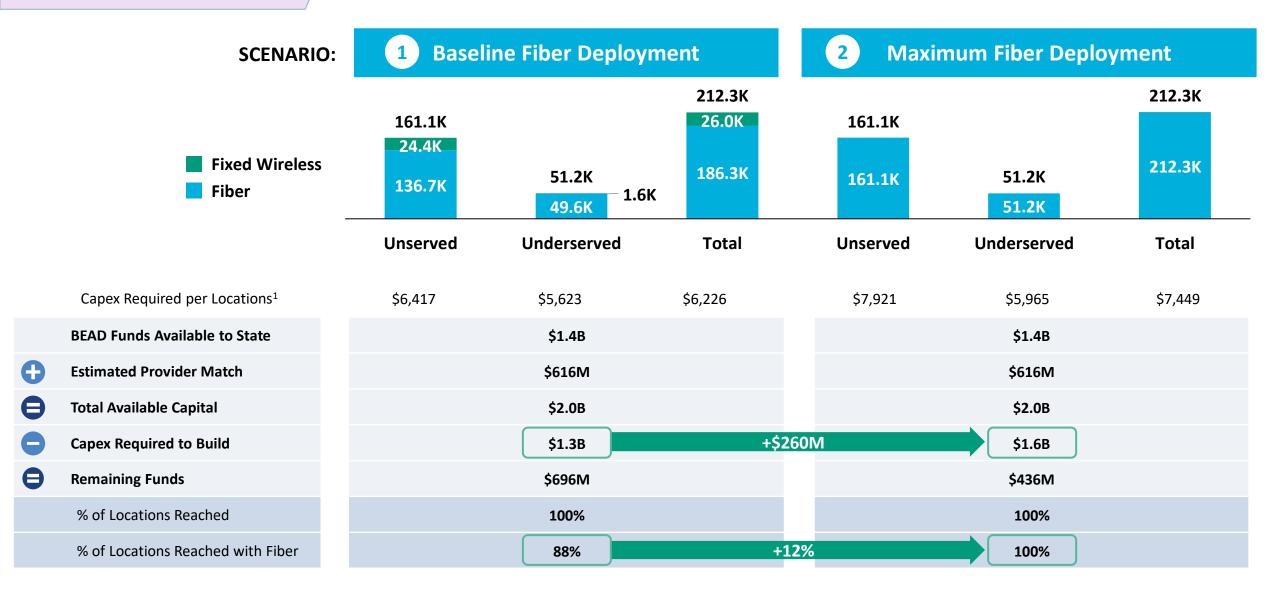
VERSION 4.0

FIBER



Develop Deployment Scenarios

Alabama | Scenario Analysis Results









Alabama | Conclusion



Funding Summary



Key Findings

Alabama is expected to receive

\$1.4B in BEAD funding



\$616M in estimated provider matching

We estimate the funding is sufficient to reach all of Alabama's 212.3k eligible locations with high-speed broadband

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

A Baseline Fiber Deployment...



Maximizing Fiber...

- Leaves \$696M additional funds for affordability programs
- Reaches 88% of locations with fiber
- Requires 12% to be reached with other tech.

- Leaves \$436M 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

Alabama | ACA Connects Members

Member Name	
Beamspeed	
Block Communications, Inc.	
Cable One, Inc.	
Cable TV Of East Alabama	
Consolidated Communications, Inc.	
Demopolis CATV	
Mediacom, LLC	
Mon-Cre Telephone Cooperative, Inc.	
North Alabama Electric Cooperative	
Pine Belt Communications, Inc.	
Point Broadband, LLC	
Scottsboro Electric Power Board	
Skyline Telephone Membership Corporation	
TDS Telecom	
Telepak Networks, Inc. dba Cspire	
Troy Cablevision, Inc.	
Vyve	
West Kentucky Rural Telephone Coop Corp, Inc.	
Wide Open West Networks, LLC	





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