

BEAD Program: A Framework to Allocate Funding for Broadband Availability

State Broadband Report: Mississippi

January 2024





1 Eligible Locations

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

20%

262K LOCATIONS

OF MISSISSIPPI LOCATIONS LACK HIGH-SPEED BROADBAND IN JUN 2023

VS. 9% STATE/TERRITORY AVERAGE

UNSERVED LOCATIONS, JUN. 2024



117.0K LOCATIONS

Are estimated to lack broadband access at 25/3 Mbps

UNDERSERVED LOCATIONS, JUN. 2024



31.4K 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.

2 Total Funding

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

\$1.2B

IN BEAD FUNDING HAS BEEN ALLOCATED TO MISSISSIPPI VS. \$743M STATE/TERRITORY AVERAGE

ESTIMATED BEAD FUNDING:

BEAD Funds allocated by NTIA

\$1.2B

Estimated Provider Match

\$434M

Estimated Total Capital

\$1.6B

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?

\$520M-\$838M

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

DEPLOYMENT SCENARIOS:

Baseline Fiber

Maximum Fiber

100% LOCATIONS REACHED

84% FIBER LOCATIONS

100% LOCATIONS REACHED

100% FIBER LOCATIONS

\$954M TOTAL CAPITAL COST

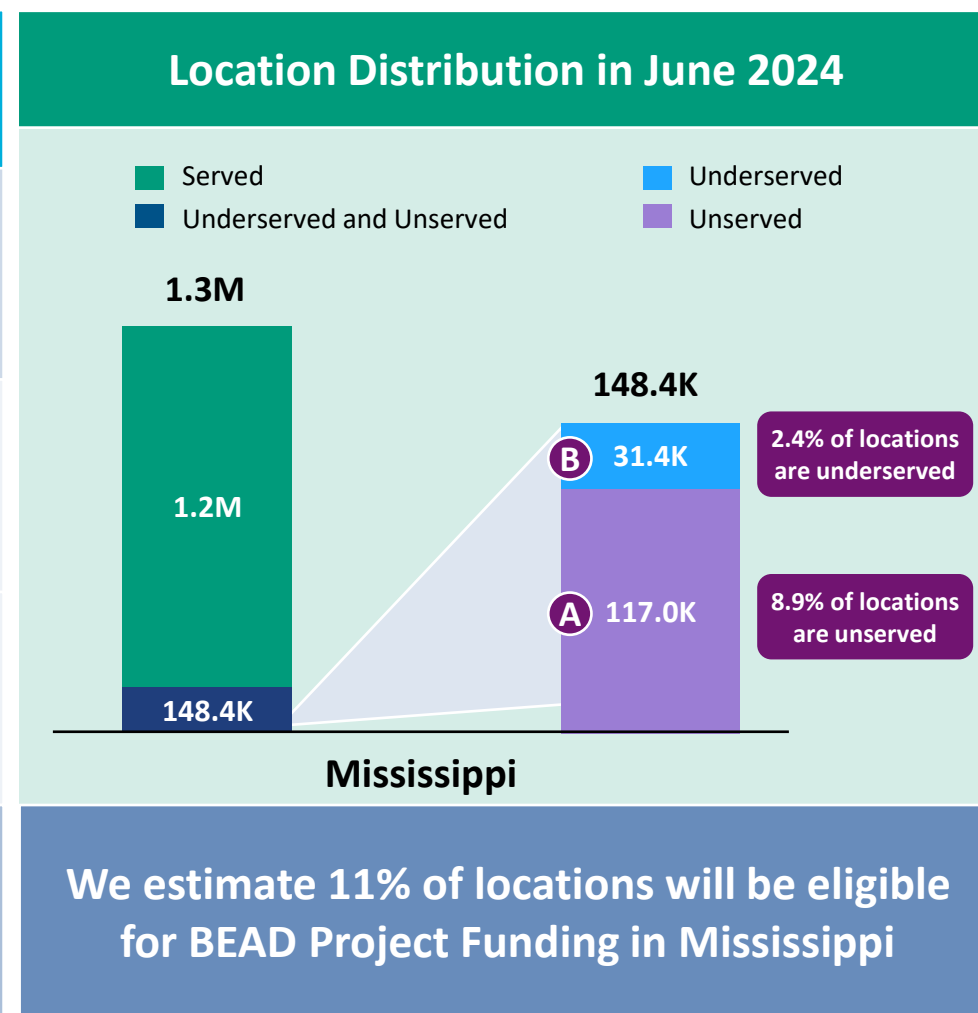
\$1.3B TOTAL CAPITAL COST

\$684M REMAINING BUDGET

\$366M REMAINING BUDGET

Mississippi | Estimated Eligible Locations for BEAD Projects

June 2023 FCC Broadband Locations	Unserved <i>(less than 25Mbps/3Mbps)</i>	Underserved <i>(less than 100Mbps/20Mbps)</i>
Subsidy Program Funded Locations ¹	87.1K	9.2K
Incremental Build ² (13% annual build, for 12 months)	17.5K	--
Jun. 2024 Estimated Eligible Locations	117.0K ^A	31.4K ^B



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)

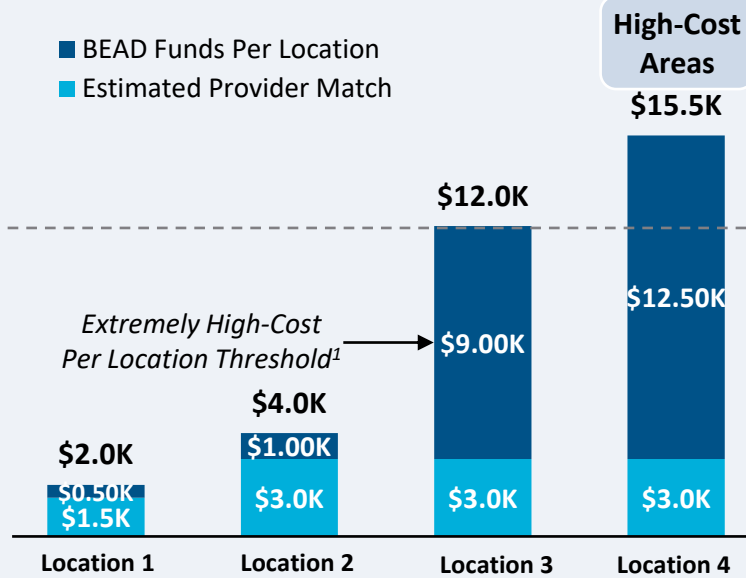
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Mississippi | BEAD Funding & Estimated Provider Match

Provider Match Examples

Total Deployment Cost per Location

- BEAD Funds Per Location
- Estimated Provider Match

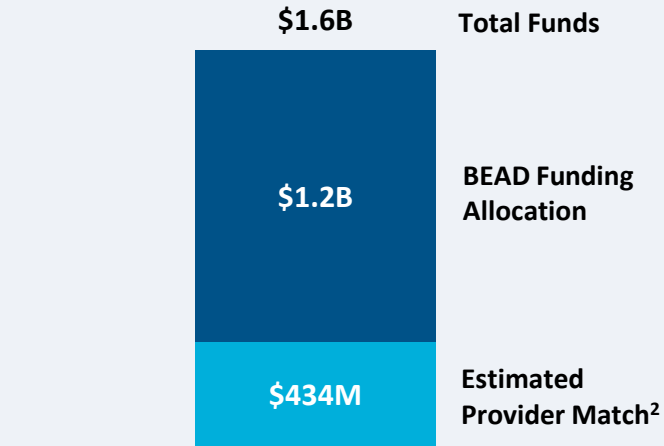


Provider Match %

75% 75% 25% 19%

To be conservative, we assume provider match amounts have a maximum of 75% and a minimum of 25%, except in high-cost areas

Total Capital Available - Mississippi



\$1.6B in total capital is estimated to be available to serve unserved/underserved Mississippi locations (combining BEAD funding and estimated provider match)

Provider Match - Mississippi

Total Estimated Provider Match: **\$434M**

Total Estimated Eligible Locations: **148.4K**

Average Provider Match: **\$2,927 PER LOCATION**

We estimate the average provider match will be \$2,927 – provider matches will be 75% where cost to deploy is less than \$4K

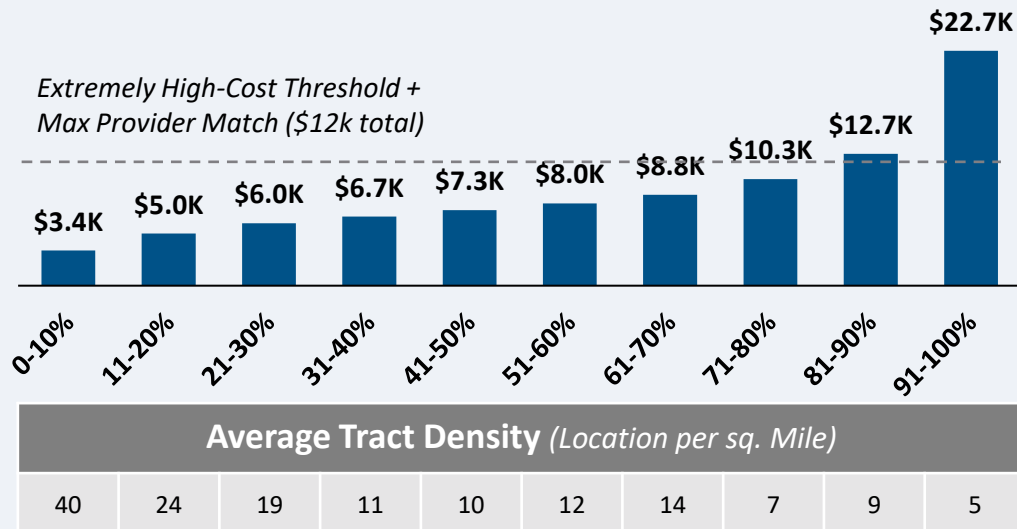
1. The model uses a \$9k threshold, however, States/Territories will individually need to determine their appropriate extremely high-cost threshold
 2. In reality, providers will determine the viable level of match funding for each project using a business case model. They will be willing to contribute 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.

Mississippi | Cost to Deploy Fiber by Decile

CAPEX Fiber Deployment Cost per Location Segmented by Cost Deciles¹

Unserved Locations

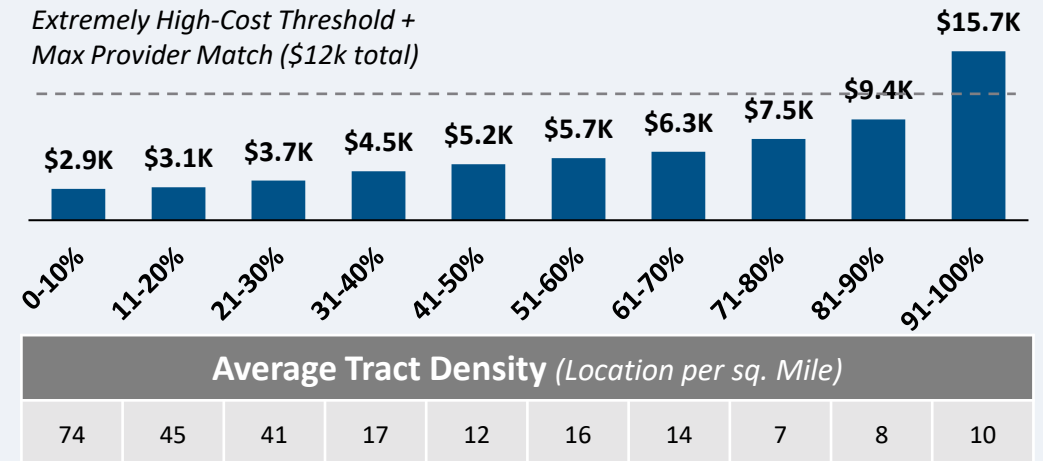
Overall Average Cost per Location: \$9,147



117.0K Locations

Underserved Locations

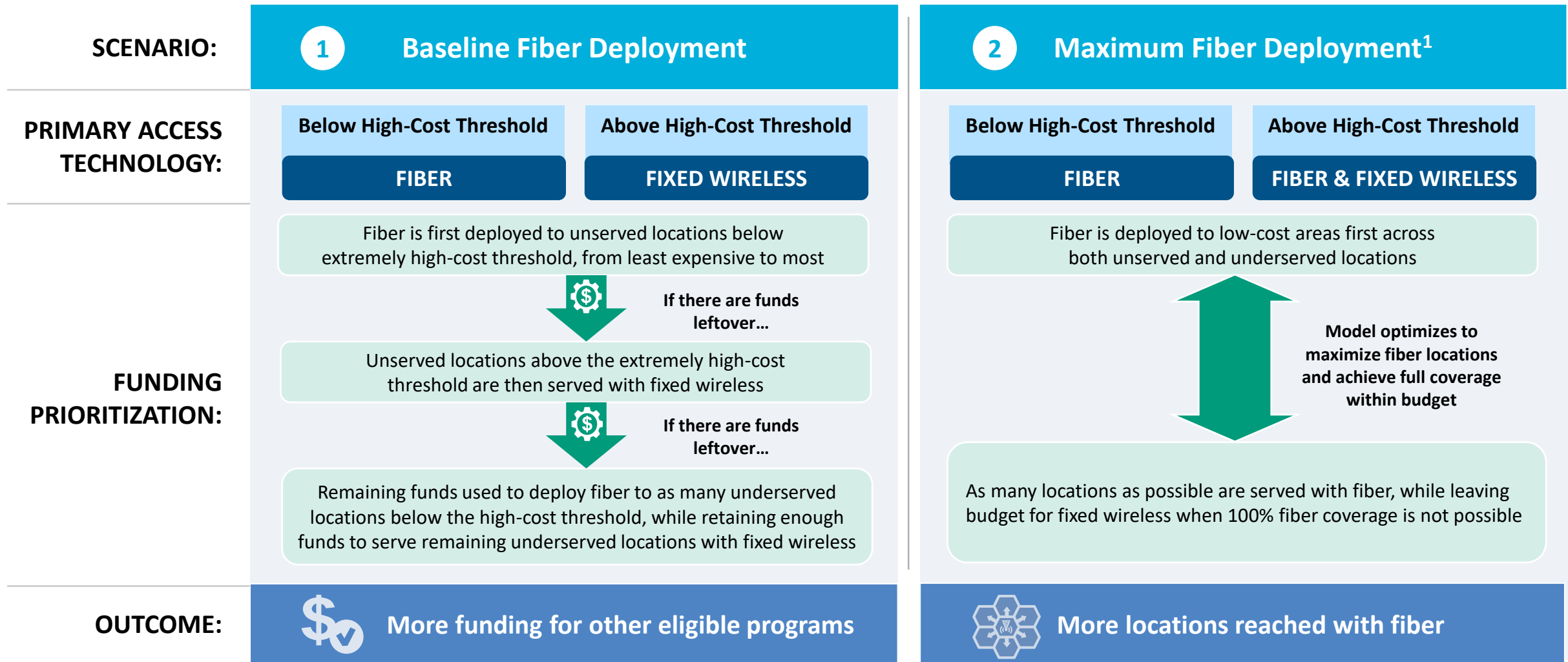
Overall Average Cost per Location: \$6,435



31.4K Locations

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

Mississippi | Fiber Preferencing Scenarios



1. Scenario 2 deploys fiber beyond the extremely high-cost threshold

Source: Cartesian

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3 Develop Deployment Scenarios

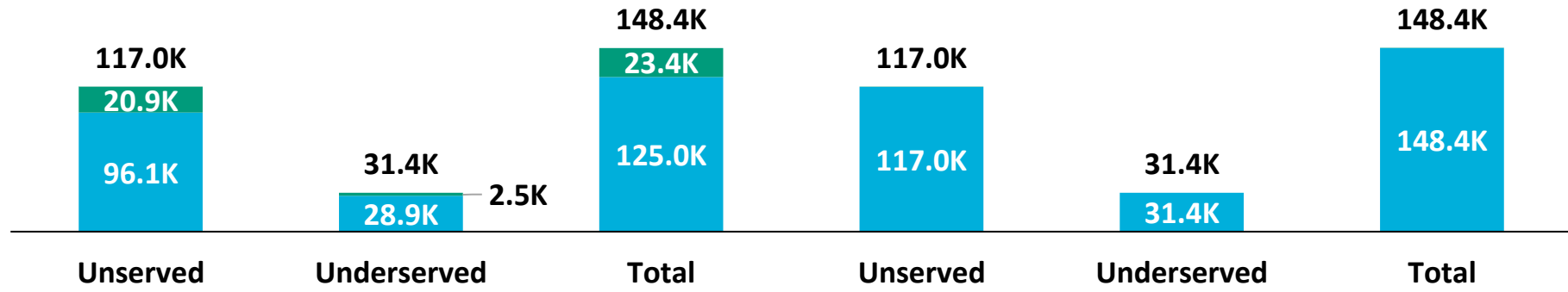
Mississippi | Scenario Analysis Results

SCENARIO:

1 Baseline Fiber Deployment

2 Maximum Fiber Deployment

■ Fixed Wireless
■ Fiber



	Scenario 1	Scenario 2
Capex Required per Locations ¹	\$6,685	\$6,428
BEAD Funds Available to State	\$1.2B	\$1.2B
+ Estimated Provider Match	\$434M	\$434M
= Total Available Capital	\$1.6B	\$1.6B
- Capex Required to Build	\$954M	\$1.3B
= Remaining Funds	\$684M	\$366M
% of Locations Reached	100%	100%
% of Locations Reached with Fiber	84%	100%

1. Funding to deploy fiber before the maximum \$3k provider match per location
 Source: Cartesian, FCC National Broadband Map (June 2023 data, released in November 2023), Benton, NTIA
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Mississippi | Conclusion



Funding Summary

Mississippi is expected to receive

\$1.2B in BEAD funding



\$434M in estimated provider matching

We estimate the funding is sufficient to reach all of Mississippi's 148.4k eligible locations with high-speed broadband



Key Findings

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

A Baseline Fiber Deployment...



Maximizing Fiber...

- Leaves \$684M additional funds for affordability programs
- Reaches 84% of locations with fiber
- Requires 16% to be reached with other tech.

- Leaves \$366M 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

Mississippi | ACA Connects Members

Member Name
Belzoni Cable, LLC
Block Communications, Inc.
Cable One, Inc.
Cablesouth Media Iii, LLC
Consolidated Communications, Inc.
Mediacom, LLC
Metronet
Point Broadband, LLC
TDS Telecom
Telepak Networks, Inc. dba Cspire



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