BEAD Program: A Framework to Allocate Funding for Broadband Availability State Broadband Report: Wisconsin

January 2024





WISCONSIN⁴

BEAD Program Impact Assessment

1 Eligible Locations

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

18% 422K LOCATIONS

OF WISCONSIN 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



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.



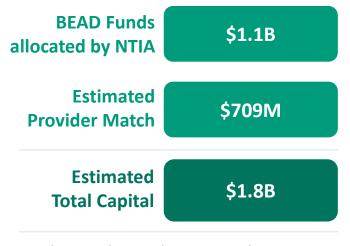
Total Funding

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

\$1.1B

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

ESTIMATED BEAD FUNDING:



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?



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

DEPLOYMENT SCENARIOS:

Baseline Fiber Haximum Fiber

100% 77% LOCATIONS FIBER REACHED LOCATIONS

100% 78% LOCATIONS FIBER REACHED LOCATIONS

\$1.7B TOTAL CAPITAL COST

\$1.8B TOTAL CAPITAL COST

\$82M REMAINING BUDGET

VERSION 4.0

\$--M REMAINING BUDGET



Wisconsin | Estimated Eligible Locations for BEAD Projects

June 2023 FCC Broadband Locations	Unserved (less than	Underserved (less than	Location Distribution in June 2024
	25Mbps/3Mbps) 223.7K	100Mbps/20Mbps) 198.1K	 Served Underserved and Unserved Unserved Unserved
Subsidy Program Funded Locations ¹	82.4K	83.5K	2.1M B 114.6K 5.0% of locations are underserved
Incremental Build ² (13% annual build, for 12 months)	18.4K		A 122.9K 5.3% of locations are unserved 237.5K Wisconsin
I un. 2024 Estimated Eligible Locations	122.9K 🛕	114.6K B	We estimate 10% of locations will be eligible for BEAD Project Funding in Wisconsin

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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Estimate Eligible

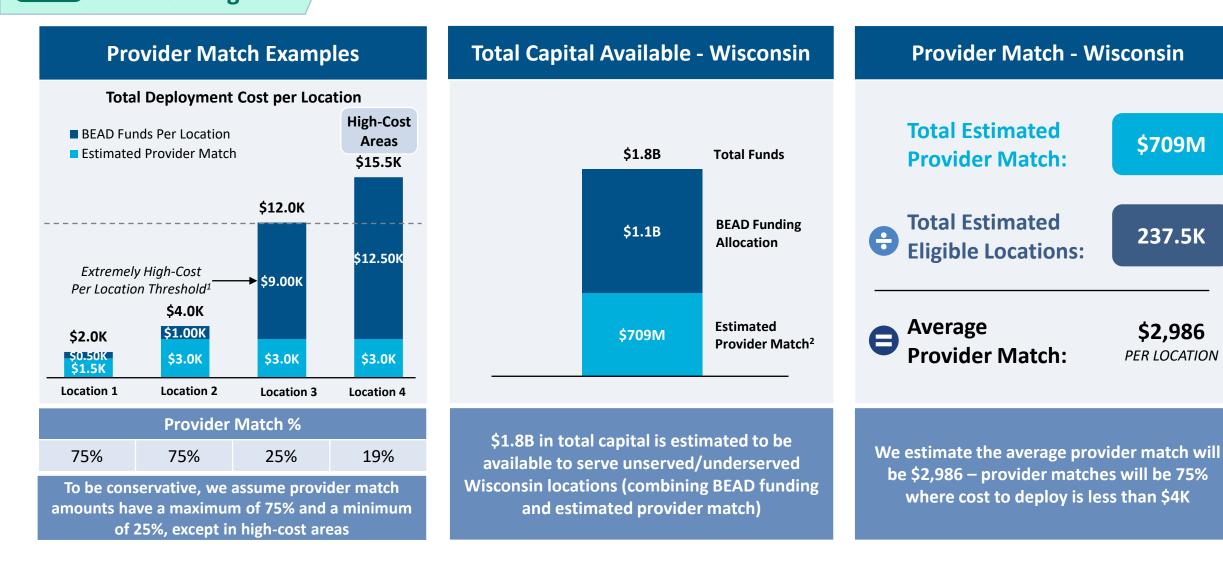
Locations



2

Calculate BEAD Funding

Wisconsin | 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

 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

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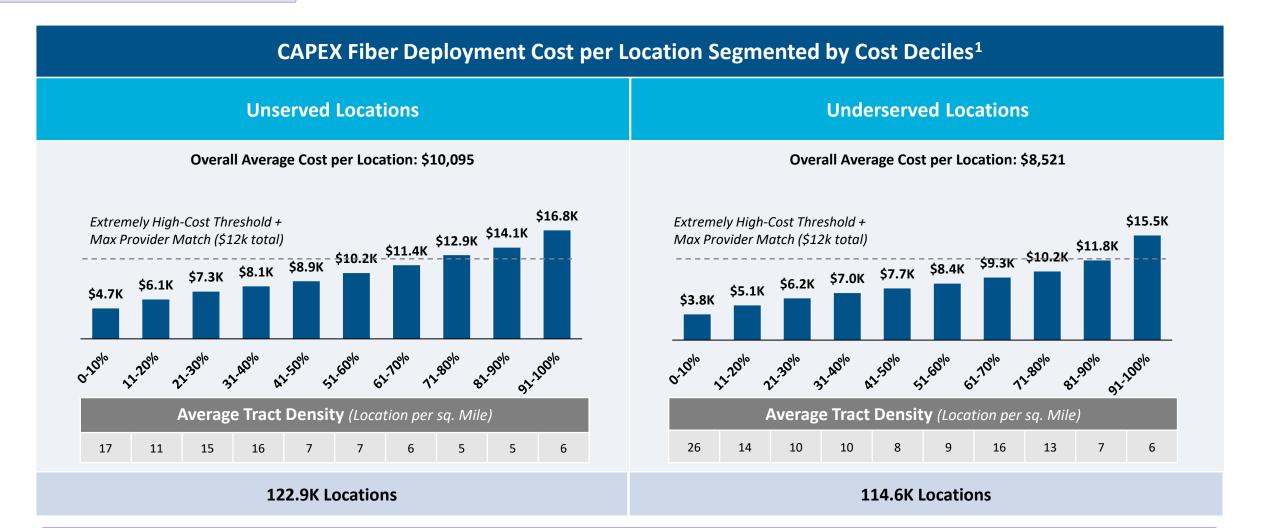






Develop Deployment Scenarios

Wisconsin | Cost to Deploy Fiber by Decile



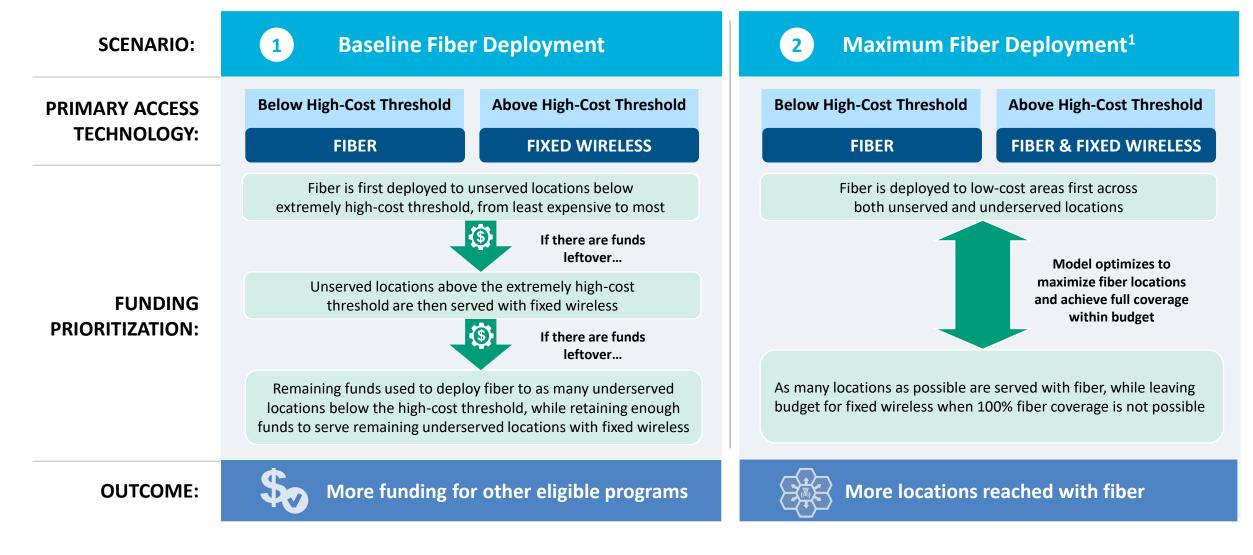
Over 80% of locations are estimated to fall below the High-Cost Threshold + Provider Match



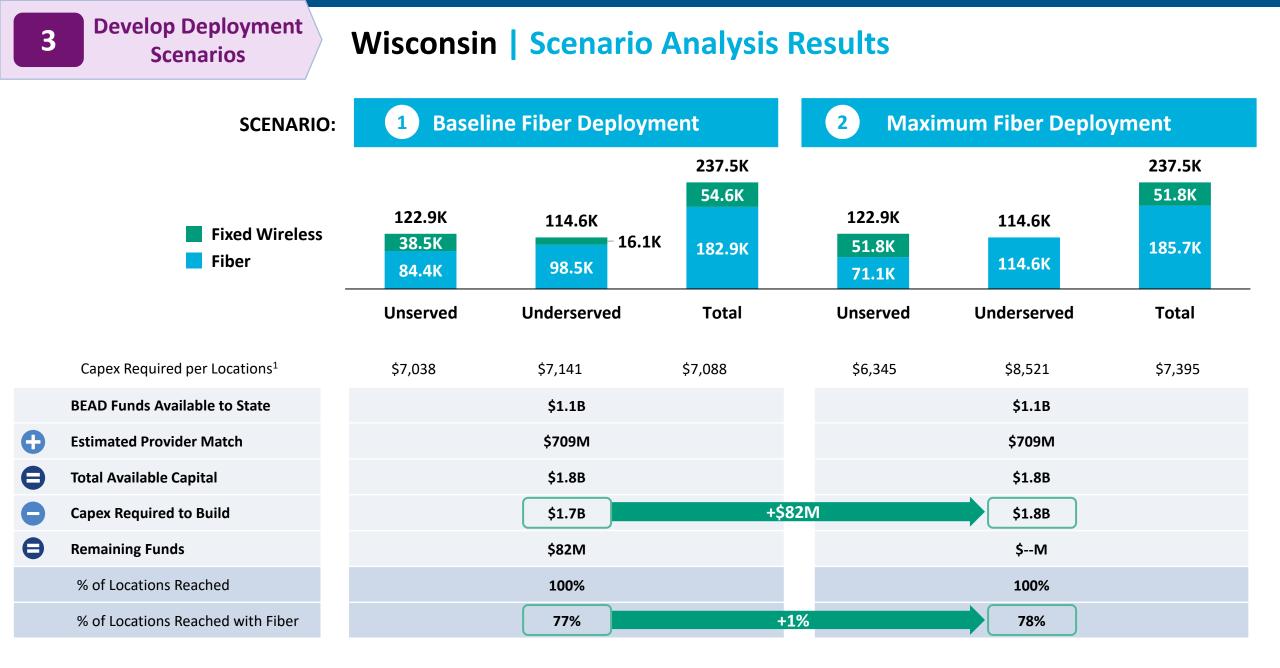


Develop Deployment Scenarios

Wisconsin | Fiber Preferencing Scenarios







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 Confidential and Proprietary — Copyright © 2024 Cartesian, Inc. All rights reserved.

Wisconsin | Conclusion

5 Funding Summary	Ke	y Findings	
Wisconsin is expected to receive	Wisconsin 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		
\$1.1B in BEAD funding			
+	A Baseline Fiber Deployment vs.	Maximizing Fiber	
\$709M in estimated provider matching	 Leaves \$82M additional funds for affordability programs 	 Exhausts funds without leaving additional funds for affordability programs 	
We estimate the funding is	Reaches 77% of locations with fiber	Reaches 78% of locations with fiber	
sufficient to reach all of Wisconsin's 237.5k eligible locations with high-speed broadband		• Requires 22% to be reached with other tech. emely high-cost threshold and may choose a different from these two scenarios	





Wisconsin | ACA Connects Members

Member Name			
Amherst Telephone Company	MH Telcom, LLC		
Baldwin Telecom, Inc.	Northeast Comm Of Wisconsin, Inc. dba Nsight		
CCI Systems, Inc. dba Astrea	Northeast Iowa Telephone Company		
Celect Communications	Northwest Community Communications		
Chippewa Valley Cable, Inc.	Norvado, Inc.		
Community Antenna System, Inc.	Reedsburg Utility Commission		
Consolidated Communications, Inc.	Richlandgrant Telephone Coop, Inc.		
Coon Valley Telecommunications, Inc.	Schurz Communications, Inc.		
Farmers Independent Telephone Company, Inc.	TDS Telecom		
Lavalle Telephone Cooperative, Inc.	Tech Com, Inc.		
Lict Corp	Verneau Networks, Inc.		
LVT Corp	Vernon Communications, LLC		
Mediacom, LLC	Western Wisconsin Communications, LLC		
Metronet	Wood County Telephone Co		





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