



BEAD Program Impact Assessment

Eligible Locations

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

6% **64K LOCATIONS**

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

VS. 9% STATE/TERRITORY AVERAGE

UNSERVED LOCATIONS, JUN. 2024



31.7K **LOCATIONS**

Are estimated to lack broadband access at 25/3 Mbps

UNDERSERVED LOCATIONS, JUN. 2024



18.6K **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?

\$317M

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

VS. \$743M STATE/TERRITORY AVERAGE

ESTIMATED BEAD FUNDING:

BEAD Funds allocated by NTIA

\$317M

Estimated Provider Match

\$146M

Estimated Total Capital

\$464M

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?

\$134M-\$317M

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

DEPLOYMENT SCENARIOS:



Baseline Fiber

ກຸດດຸກ Maximum **Fiber**

100% LOCATIONS **REACHED**

37% **FIBER LOCATIONS**

100% **LOCATIONS REACHED**

63% **FIBER LOCATIONS**

\$280M **TOTAL CAPITAL COST**

\$183M REMAINING BUDGET

\$464M **TOTAL CAPITAL COST**

\$--M **REMAINING BUDGET**



Estimate Eligible Locations

Utah | Estimated Eligible Locations for BEAD Projects

	Unserved (less than	Underserved (less than	Location Distribution in June 2024
June 2023 FCC Broadband Locations	25Mbps/3Mbps) 43.2K	100Mbps/20Mbps) 20.4K	Served Underserved Unserved 1.0M
 Subsidy Program Funded Locations¹ 	6.8K	1.8K	968.4K 50.3K 1.8% of locations are underserved
Incremental Build ² (13% annual build, for 12 months)	4.7K		50.3K A 31.7K 3.1% of locations are unserved Utah
Jun. 2024 Estimated Eligible Locations	31.7K A	18.6K B	We estimate 5% of locations will be eligible for BEAD Project Funding in Utah

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

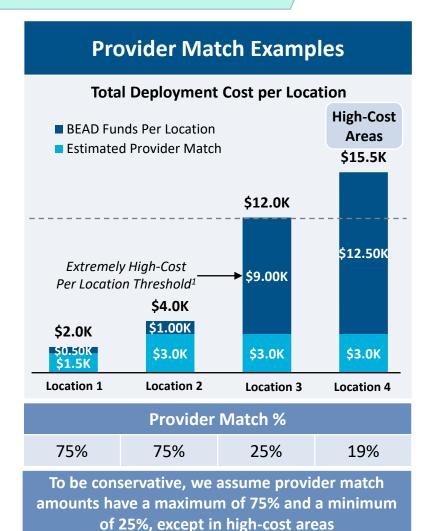


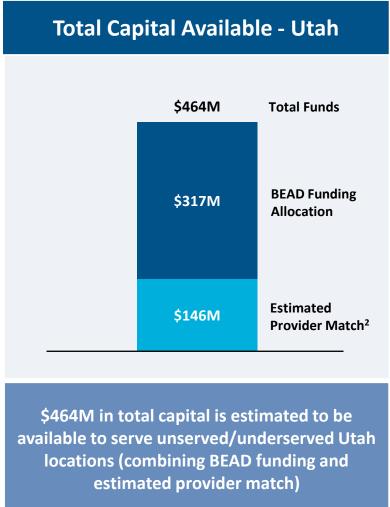


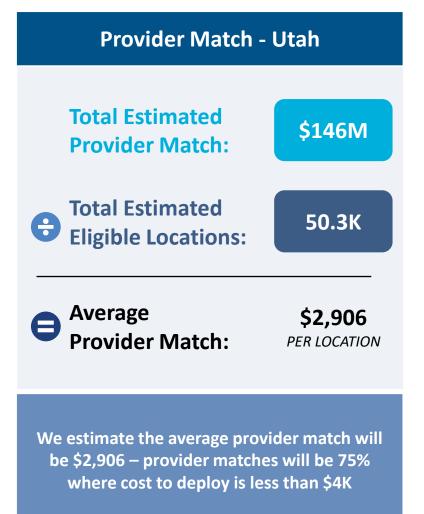
^{2.} Given the uncertainty around the magnitude of locations moving from unserved to underserved, we have not made incremental builds adjustments to underserved locations BEAD eligible locations does not account for state-specific eligibility rules set forth in Initial Proposals Source: Cartesian, FCC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

Calculate BEAD Funding

Utah | BEAD Funding & Estimated Provider Match



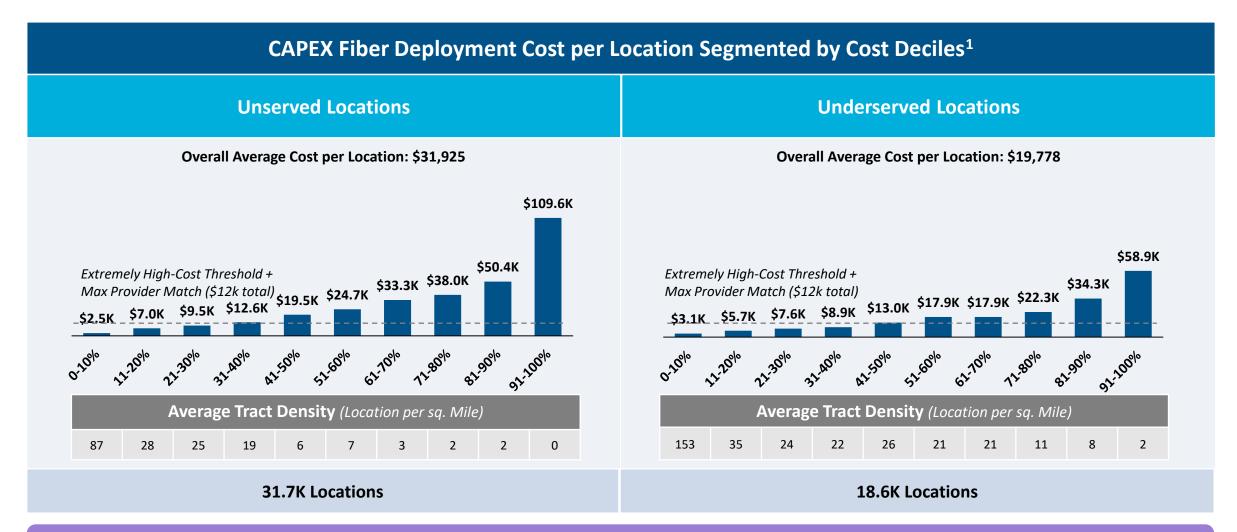






^{1.} The model uses a \$9k threshold, however, States/Territories will individually need to determine their appropriate extremely high-cost threshold

^{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 30% of locations are estimated to fall below the High-Cost Threshold + Provider Match



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



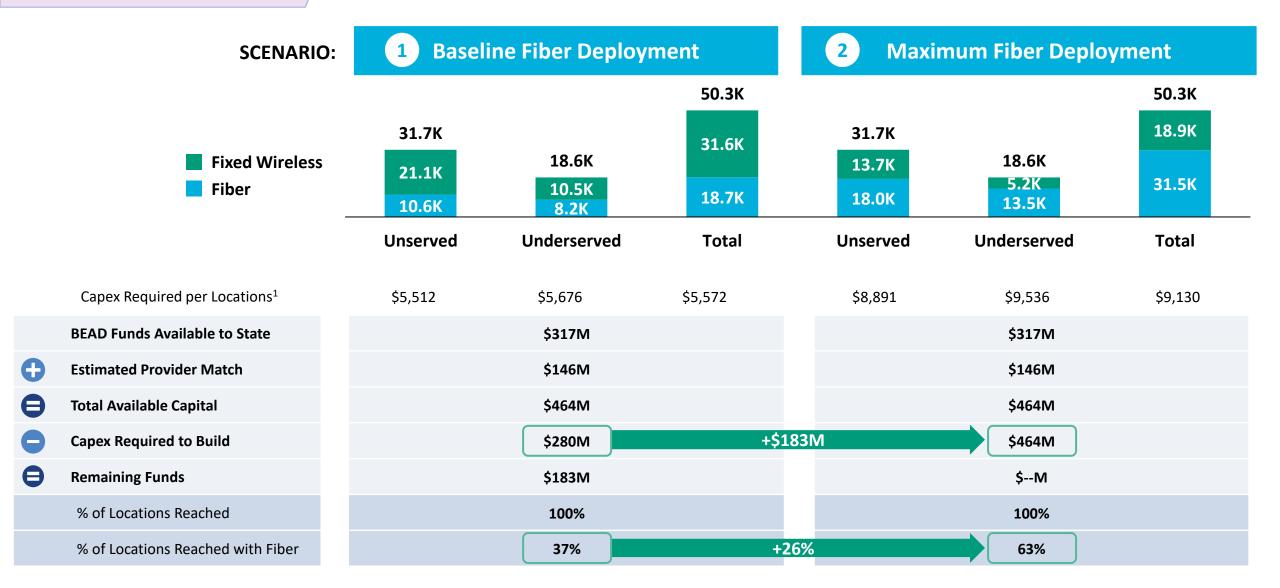
More locations reached with fiber





Develop Deployment Scenarios

Utah | Scenario Analysis Results







Utah | Conclusion



Funding Summary



Key Findings

Utah is expected to receive

\$317M in BEAD funding



\$146M in estimated provider matching

We estimate the funding is sufficient to reach all of Utah's 50.3k eligible locations with high-speed broadband

Utah 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 \$183M additional funds for affordability programs
- Reaches 37% of locations with fiber
- Requires 63% to be reached with other tech.

- Exhausts funds without leaving additional funds for affordability programs
- Reaches 63% of locations with fiber
- Requires 37% 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



Utah | ACA Connects Members

Member Name
All West Utah, Inc.
Caribbean Communications Corp dba Innovative Cable
Consolidated Communications, Inc.
Emery Telcom Video
Lict Corp
Manti Telephone Company
South Central Utah Telephone
Spanish Fork City
TDS Telecom
Uintah Basin Electronic Telecom dba Strata Network
Wirelessbeehive.com, LLC

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