LET'S TALK BEAD: WESTERN STATES

8.7.24

Agenda

- Introductions

- BEAD State by State

- Financial Sustainability and O&M Scoring

- Technology Choices and Hybrid Solutions

- Application Process and ISP Qualifications

- Managing the No Grace Period for Incomplete Applications

- Q & A

- Final Thoughts

Today's Mountain Connect Panel

MODERATOR
J. Matthew Firra
unWired Broadband Holdings, LLC: Chief Financial Officer

SPEAKERS

KRISTA BAKER

Idaho Office of Broadband: State Broadband Project Manager

DANIEL HOLBROOK

Oregon: Broadband Manager

BRIAN MITCHELL

Nevada: Director - Governor's Office of Science, Innovation and Technology

BEAD State by State

BEAD Actions by State

State	CA	ID	NV	OR
VOL 1	Approved	Approved	Approved	Approved
Challenge Opens	7/8/24	6/3/24	Complete	Complete
Challenge Closes	8/6/24	7/1/24	Complete	Complete
Rebuttal Period Ends	9/19/24	8/16/24	Complete	Complete
Challenge Review	9/21/24 - 11/4/24	Ends 10/1/24		6/30 – 8/22/24
Final Map Published	After 11/4/24			After 8/22/24
VOL 2	TBD	TBD	Approved	Approved
Prequal. Required	No	Yes	Yes	Yes
Application Status	Est. 2025			Est. 2024 Q3-4

IDAHO

IDAHO BROADBAND FUND $8.7M

Port of Lewiston Project ($6.3M)
    Moscow to Grangeville and connects with the IIG/IRON project

IIG/IRON Project ($20M)
    198-mile Public-Private-Partnership project from Grangeville to Star

North-south, middle-mile backbone designed to connect and support rural Idaho.

Link Up Idaho

10

IDAHO CAPITAL PROJECTS FUND

Program Highlights:

- Last-mile and middle-mile broadband projects
- Underserved and unserved locations
- *Focus on improving tele-work, education and health*

Grant Application Final Totals

- 37 applicants, 105 projects, $543M requested

Selected Projects *Pending Challenge Adjudications*

- 18 projects, 35,000+ Locations Connected, $120M

Awards Finalized December 2023

IDAHO BEAD PROGRAM

Program Highlights:

- Prioritizes unserved & underserved BSLs, then CAIs
- $500K will be made available for local planning grants

June 2023: Idaho's BEAD allocation ($583M)
5-year Action Plan submitted to NTIA

December 2023: Idaho Initial Proposal submitted to NTIA
Volume 1: Challenge Process
Volume 2: Sub-Grantee Selection Process

CY2024: Implement BEAD IP Volumes I & II

QUESTIONS?
CONTACT US

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NEVADA

Nevada Broadband Update

Mountain Connect

August 7, 2024

Brian Mitchell- Director
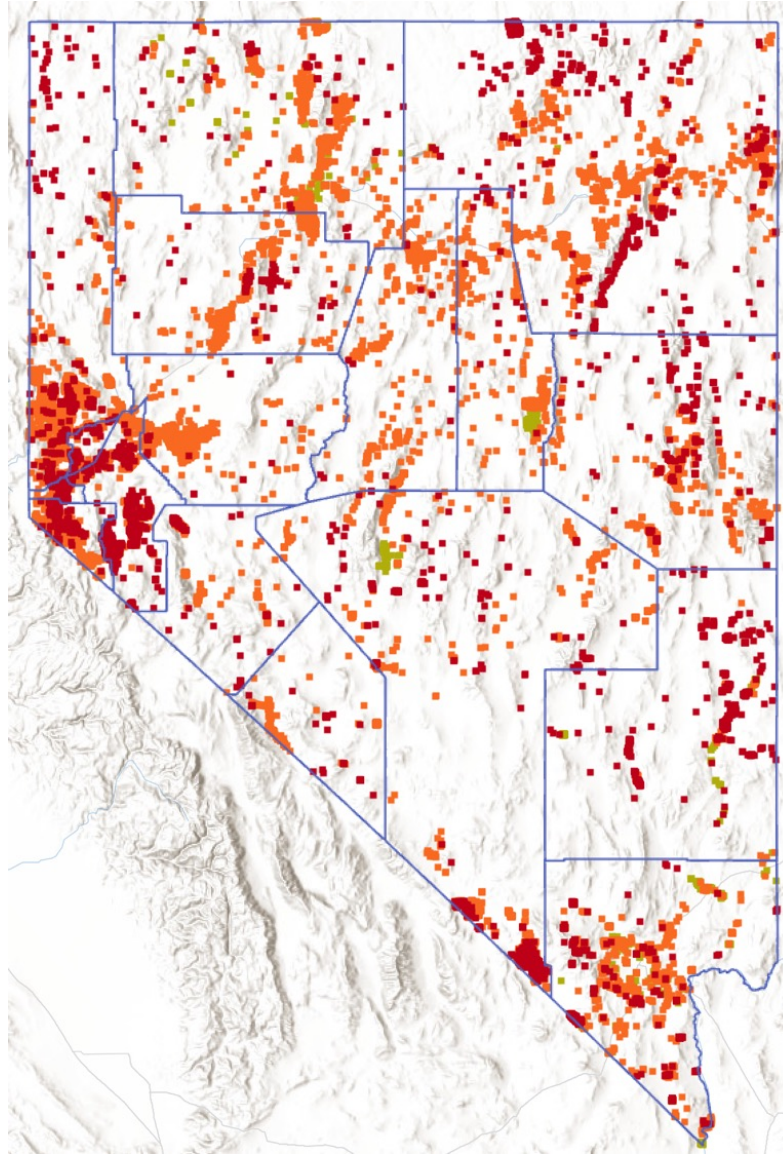
Office of Science, Innovation and Technology

The Need for Broadband Infrastructure

Underserved and Unserved residential/business locations*

Broadband Vision:

Universal Access to broadband that is:
- ❑ Affordable
- ❑ Reliable
- ❑ Scalable

Strategies:
- ❑ Collaboration and Partnerships
- ❑ Efficient weaving of funds
- ❑ Long-term Investments

HIGH SPEED NV

OSIT Nevada Governor's Office of Science, Innovation and Technology

Phase I
- Fiber to Government Facilities and Community Anchor Institutions (CAIs)
- Affordable Connectivity Program (ACP) Train the Trainer
- ACP Enrollment Outreach and Events
- Workforce Development Plan

Phase II
- Construct the Nevada Middle Mile Network
- Tribal Connectivity
- Digital Equity Asset Mapping and Partner Development
- Development of a Device Access Program
- Begin Workforce Development

Phase III
- Deployment of Last-Mile Infrastructure
- Launch Digital Equity State Capacity Grant Program

Digital Equity Act Planning Program

Statewide Digital Equity Plan - $754,459

- Community Outreach and Engagement

- Data Collection and Analysis

State Capacity Grant Program - $9 million

- Funding decisions must be based on the Statewide Digital Equity Plan

- Invest in Building Capacity of Local Programs

- Potential Examples: Libraries, Senior Centers, Community Centers, Non-Profits, Digital Navigators, etc.

Stakeholder Engagement

Geographic coverage

Coordination must incl. Tribal, rural, suburban, and urban areas

Each political subdivision and Tribal / Native entity must be given:
- Opportunity to submit a plan for Eligible Entity consideration
- Opportunity to comment on Eligible Entity proposals

Diverse stakeholders

Coordination must include a diversity of stakeholders

Eligible Entities must ensure Tribal / Native entities are involved in developing plans (incl. via a formal Tribal consultation process)

Example stakeholders include State agencies, CAIs, non-profits, etc.

Outreach mechanisms

Coordination must include multiple mechanisms to ensure broad awareness and participation

Example mechanisms include listening sessions, public meetings, websites, social media, etc.

Transparency

Coordination must include clear procedures to ensure transparency

Examples include websites, periodic reports, in-person meetings, etc.

Un-/underserved and under-represented communities

Coordination must target un-/underserved, and underrepresented communities that have historically faced barriers in participating in federal programs

Examples include an advisory board with representatives, surveys to better understand needs, etc.

Source: NTIA

Digital Equity – 8 Covered Populations

- ⭐ Low-income households
- ⭐ Aging populations
- ⭐ Incarcerated individuals
- ⭐ Veterans

- ⭐ People with disabilities
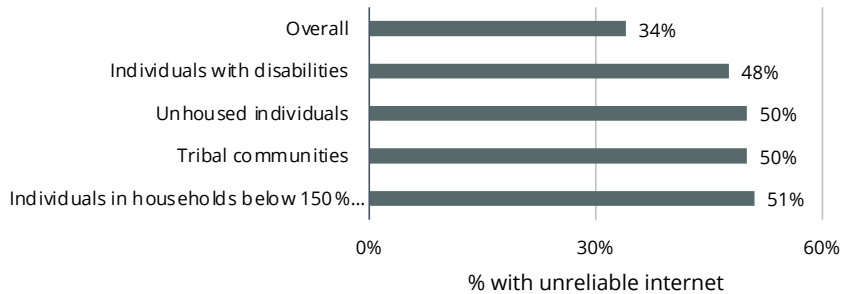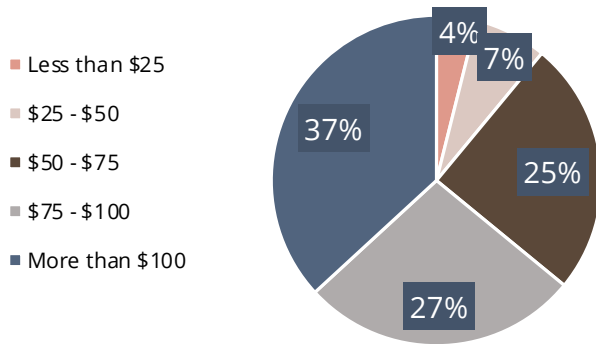- ⭐ People with language barriers
- ⭐ Racial and ethnic minorities
- ⭐ Rural inhabitants
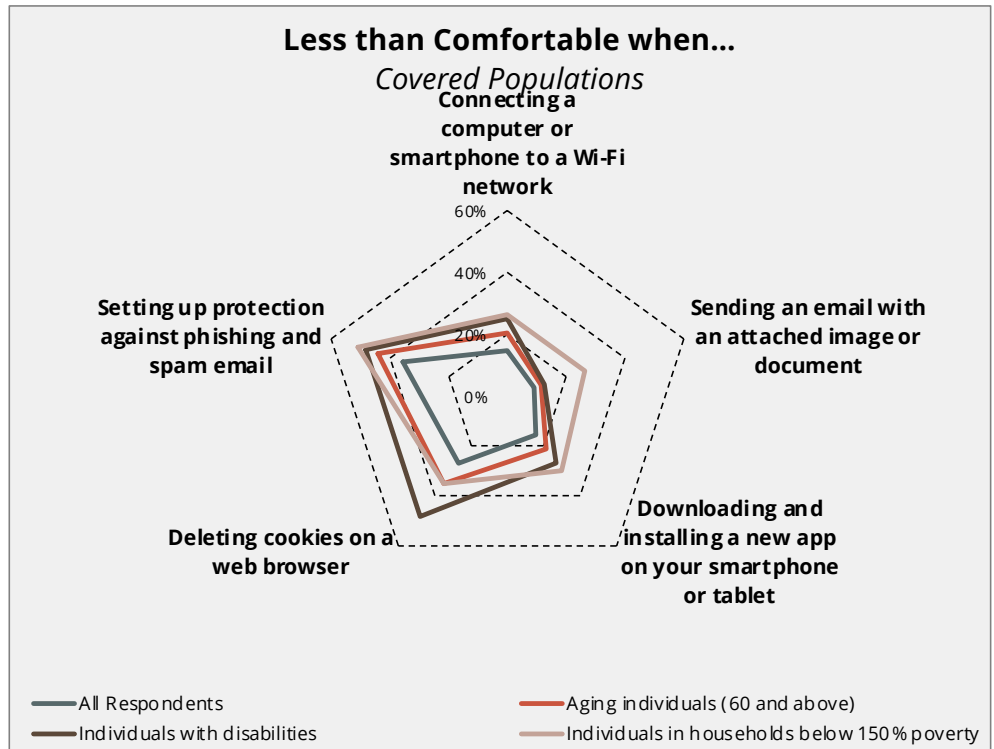
DIGITAL EQUITY PLAN SUMMARY AND FINDINGS

Internet Service Reliability by Covered Population

Population	% with unreliable internet
Overall	34%
Individuals with disabilities	48%
Unhoused individuals	50%
Tribal communities	50%
Individuals in households below 150%...	51%

% with unreliable internet

Cost of Monthly Internet Service

- Less than $25 — 4%
- $25 - $50 — 7%
- $50 - $75 — 25%
- $75 - $100 — 27%
- More than $100 — 37%

Less than Comfortable when...
Covered Populations

Connecting a computer or smartphone to a Wi-Fi network

Sending an email with an attached image or document

Downloading and installing a new app on your smartphone or tablet

Deleting cookies on a web browser

Setting up protection against phishing and spam email

- All Respondents
- Aging individuals (60 and above)
- Individuals with disabilities
- Individuals in households below 150% poverty

HIGH SPEED NV

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Digital Equity Plan Summary and Findings

 Infrastructure Deployment

 Adoption

 Affordability

 Device Access

 Digital Literacy

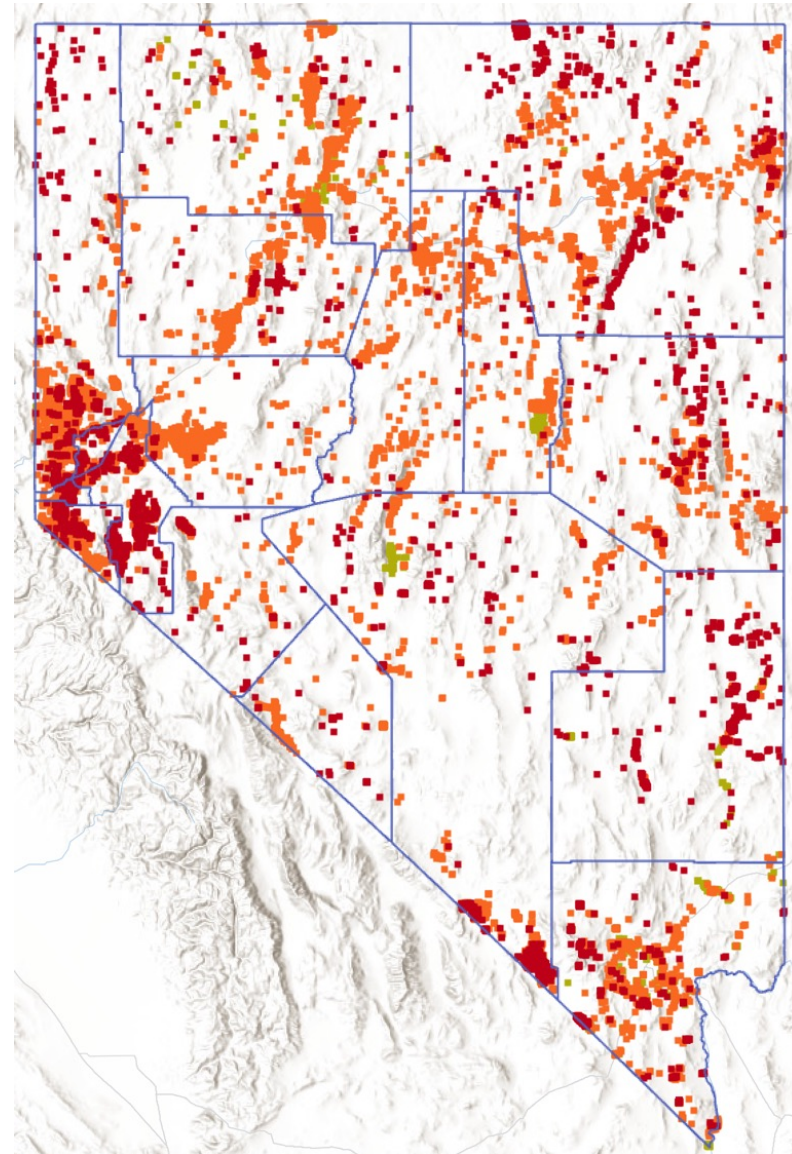 **Awareness and Sustainability**

Phases I-II –

Middle Mile

HIGH SPEED NV
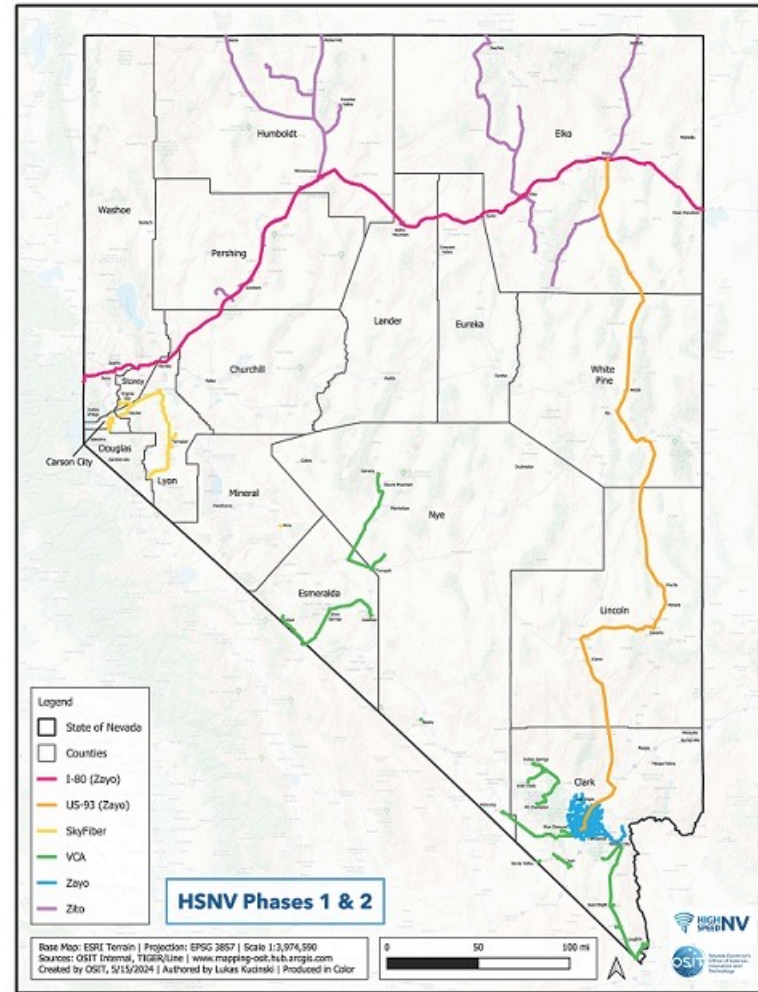
Phase III - BEAD

Infrastructure Investment and Jobs Act (IIJA)

Infrastructure

- $42.5B in broadband formula grants to States- BEAD Fund - $416 million for Nevada

- $1B Middle Mile competitive grant program

- $2B for Tribal Broadband competitive grants

Affordability and Digital Equity

- $14.5B Affordability Connectivity Program – Subsidy to go to $30/month for non-Tribal|$75/month for Tribal- individual application

- $2.75B in broadband adoption/digital equity programs

Initial Proposal Contents

1. Outline long-term objectives for deployment and closing digital divide
2. Outline support to local planning and local/Tribal coordination
3. Identify existing efforts and funding sources
4. Certify coordination and describe how coordination affected plan and describe future coordination
5. Identify unserved locations using FCC map
6. Describe how Community Anchor Institutions were defined
7. Detailed plan for a challenge process
8. Identify last-mile deployment plan/competitive award plan
9. Explain how state will conduct non-deployment activities
10. Describe any initiatives state will implement without making a grant

11. How the State will ensure strong labor standards and protections
12. How the State will ensure diverse, highly skilled workforce
13. Describe how minority, women-owned and labor surplus firms will be recruited
14. Describe how State will reduce costs and lower barriers by utilizing existing infrastructure, dig-once, permitting, etc.
15. Climate assessment
16. Low-Cost Broadband Service Option
17. Middle Class Affordability Plans
18. Intended use of 20%
19. Whether State will waive municipal broadband statutes
20. Certification of compliance with requirements
21. Certification and accountability

Source: NTIA

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Source: NTIA

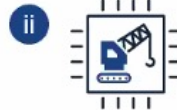# Selected Requirements of Recipients

Network capabilities

Speed: ≥100/20 Mbps or 1/1 Gbps for CAIs

Latency: 95% of measurements below 100 ms round-trip time

Outages: <48 hrs over any 365-day period except in the case of natural disasters or force majeure

Deployment requirements

Deadlines: Deploy and begin service not later than four years after subgrant received (with possible one year extension)

Milestones: Meet milestones established by Eligible Entities

Conduit access points: Include interspersed conduit access points at regular and short intervals for interconnection

Service obligations

Low-cost plan: Offer a low-cost option for all eligible subscribers

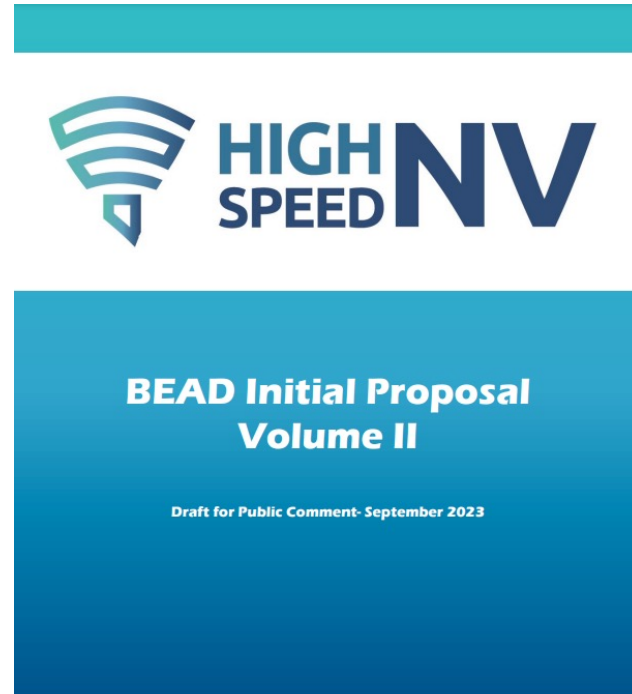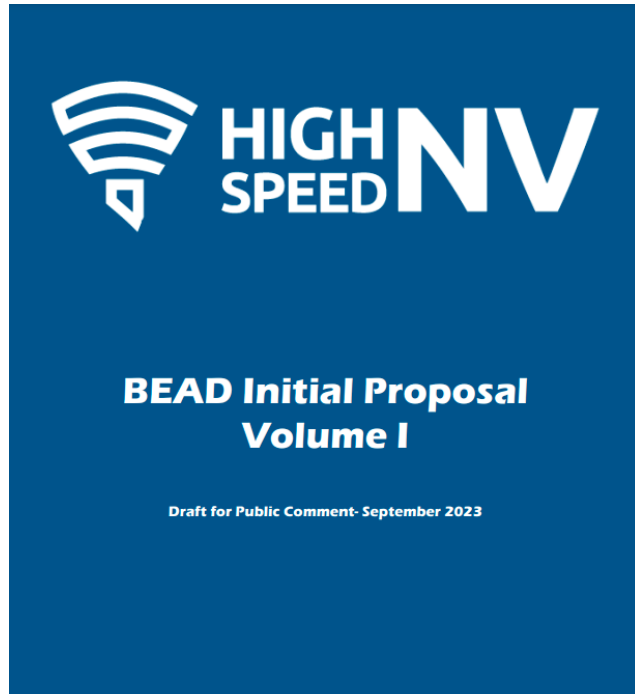**Consumer protections:** Do not impose data usage caps

Access to service: Reasonable and non-discriminatory terms and conditions

Public notice: Conduct awareness campaigns to increase adoption
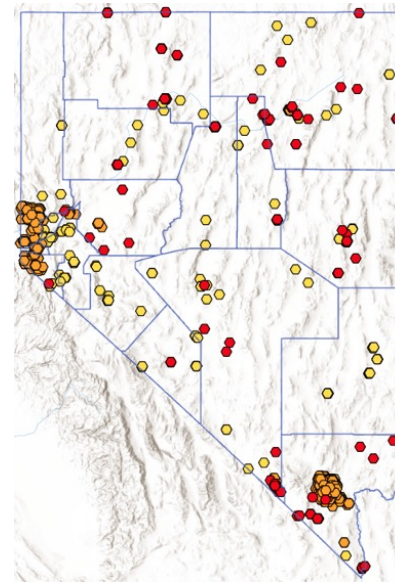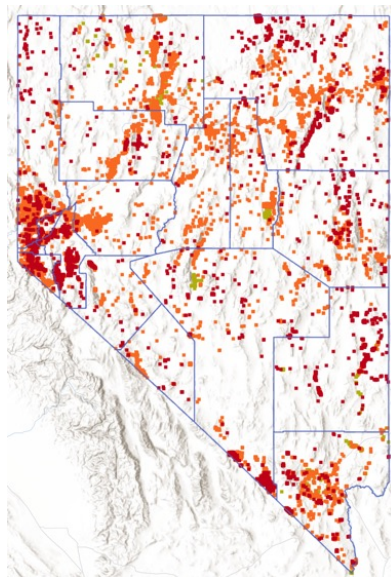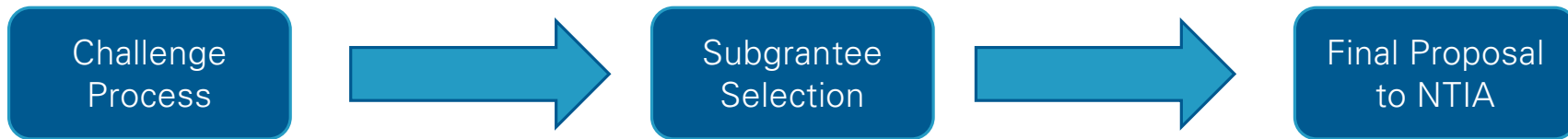
Interconnection and wholesale access: Permit interconnection for MM infrastructure receiving funding

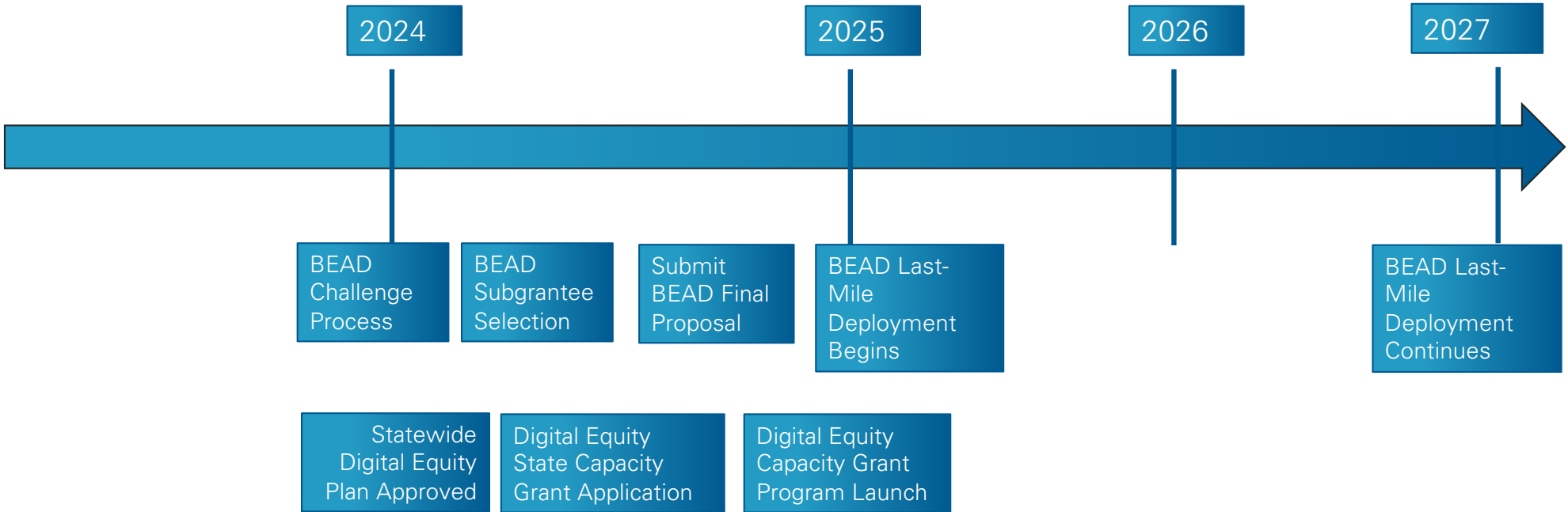**Cybersecurity and supply chain:** Adhere to baseline requirements

Source: NTIA

Initial Proposal Volume I and II

Initial Proposal Volume I and II

Timeline

2024   2025   2026   2027

BEAD Challenge Process

BEAD Subgrantee Selection

Submit BEAD Final Proposal

BEAD Last-Mile Deployment Begins

BEAD Last-Mile Deployment Continues

Statewide Digital Equity Plan Approved

Digital Equity State Capacity Grant Application

Digital Equity Capacity Grant Program Launch

HIGH SPEED NV

OSIT — Nevada Governor's Office of Science, Innovation and Technology

HighSpeedNV@gov.nv.gov

OREGON

Our Why?

Make high-speed internet accessible to all Oregonians. Access is essential for individuals and communities to engage in online education, healthcare, remote work, and social connections.

We have $857.4 million in grants that will be used to provide high-speed, reliable broadband access to 172,000 currently unserved or underserved households to close the digital divide.

HOW OREGON ENGAGES

OFFICE HOURS

MONTHLY E-BLASTS

WEBINARS

COMMUNITY ENGAGEMENTS

SPEAKING ENGAGEMENTS

OREGON BROADBAND ADVISORY COUNCIL

TRIBAL CONSULTATIONS

SURVEYS

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Broadband.Oregon.gov

Email us:
broadband.Oregon@biz.Oregon.gov

#OregonBroadband4All

Social Media:

PROGRAMS

Broadband Technical Assistance, $1.5 M, Contract/Performance

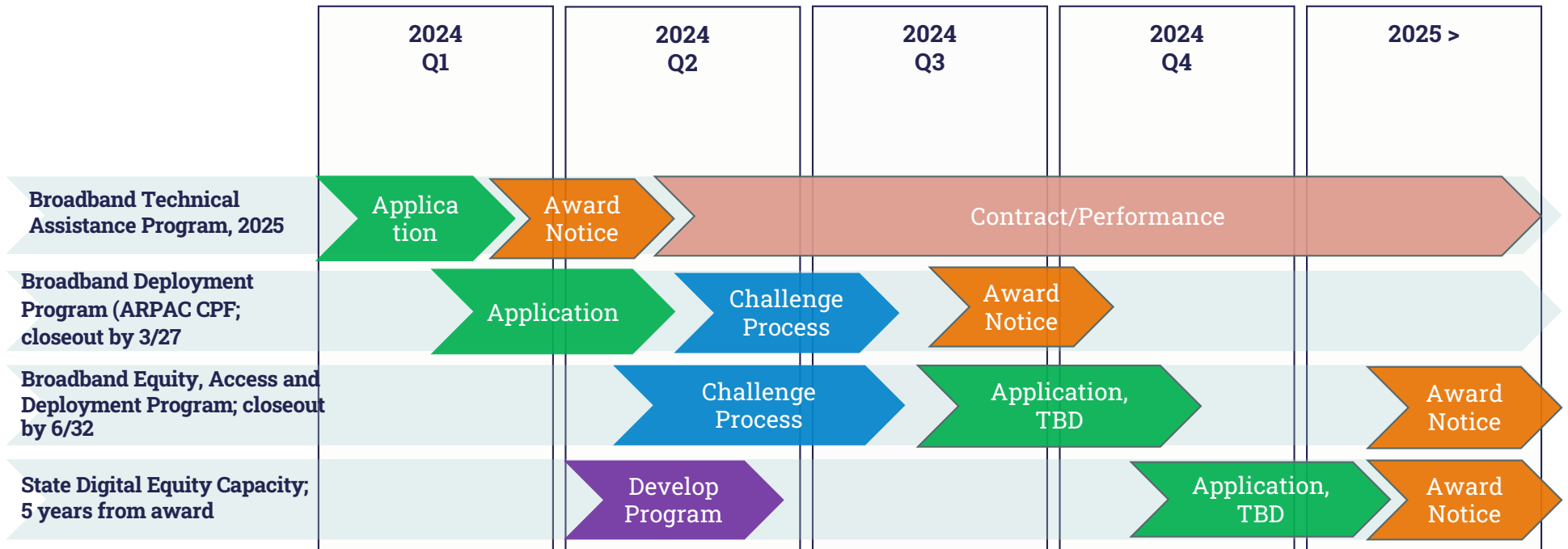Broadband Deployment Program, $157 M, Application

Broadband Equity, Access and Deployment Program; $656 M, Challenge Process

State Digital Equity Capacity; ≤$9.9 M, Develop Program

PROGRAM PHASES

	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 >
Broadband Technical Assistance Program, 2025	Application	Award Notice	Contract/Performance		
Broadband Deployment Program (ARPAC CPF; closeout by 3/27		Application	Challenge Process	Award Notice	
Broadband Equity, Access and Deployment Program; closeout by 6/32			Challenge Process	Application, TBD	Award Notice
State Digital Equity Capacity; 5 years from award		Develop Program		Application, TBD	Award Notice

2024 Broadband Technical Assistance Program (BTAP) Awards

business oregon

Legend:
- Counties with Projects
- City with Project
- County Boundary

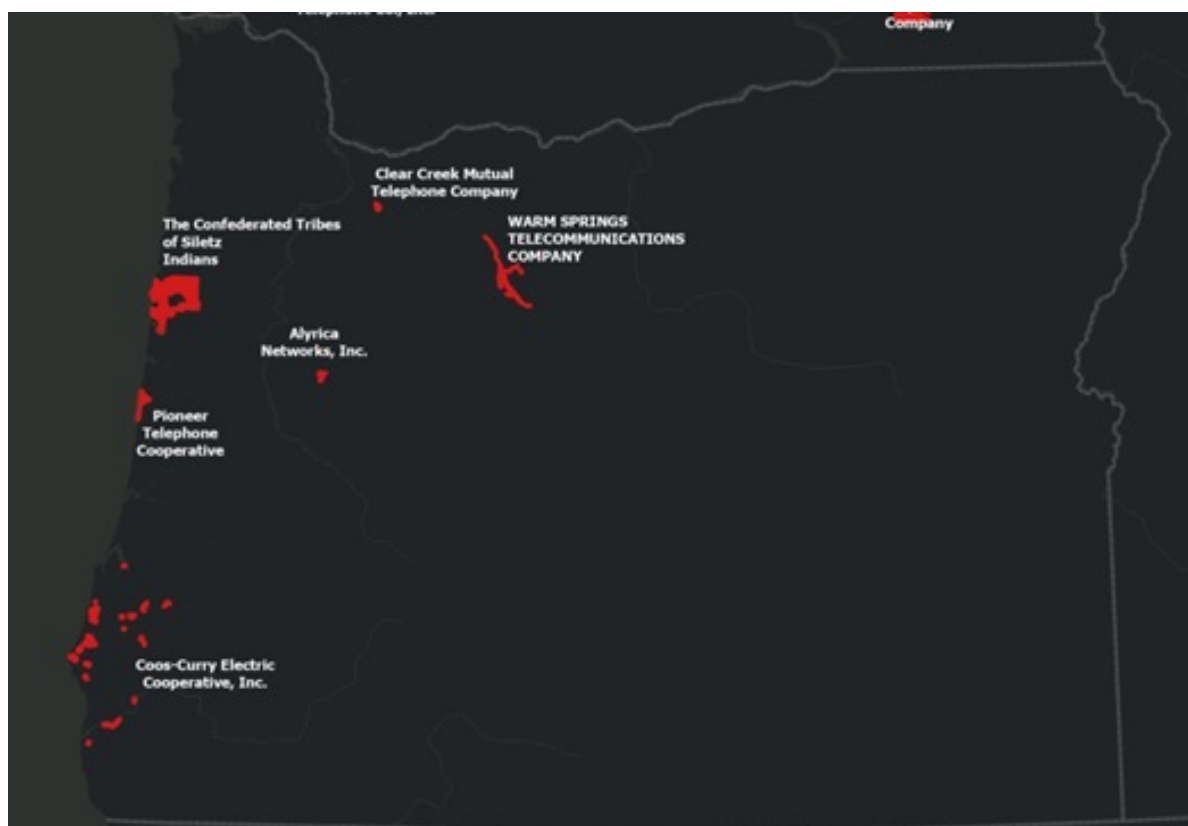| Recipient	Project Area
Inland Development Corporation	Baker and Union Counties
Clatskanie People's Utility District	Columbia and Clatsop Counties
Gilliam County	Gilliam County
City of John Day	John Day
Josephine County	Josephine County
Farmers Mutual Telephone Company	Malheur County
Morrow County Broadband Network Consortium	Morrow County
Polk County	Polk County
Tillamook Lightwave IGA	Tillamook County
Greater Eastern Oregon Development Corporation (GEODC)	Umatilla County
Wheeler County	Wheeler, Sherman, and Grant Counties
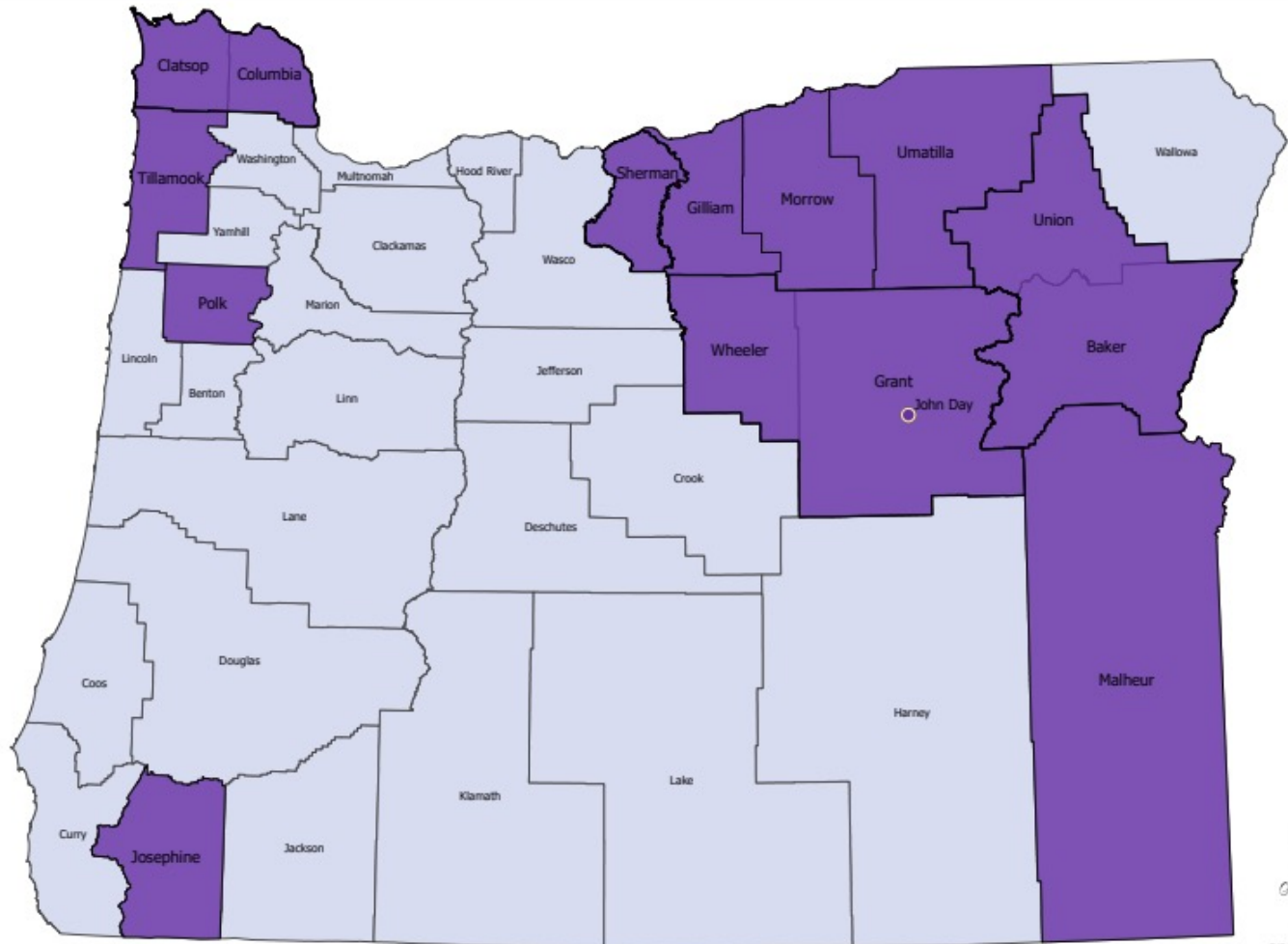
5/9/2024

BROADBAND DEPLOYMENT PROGRAM APPLICATIONS
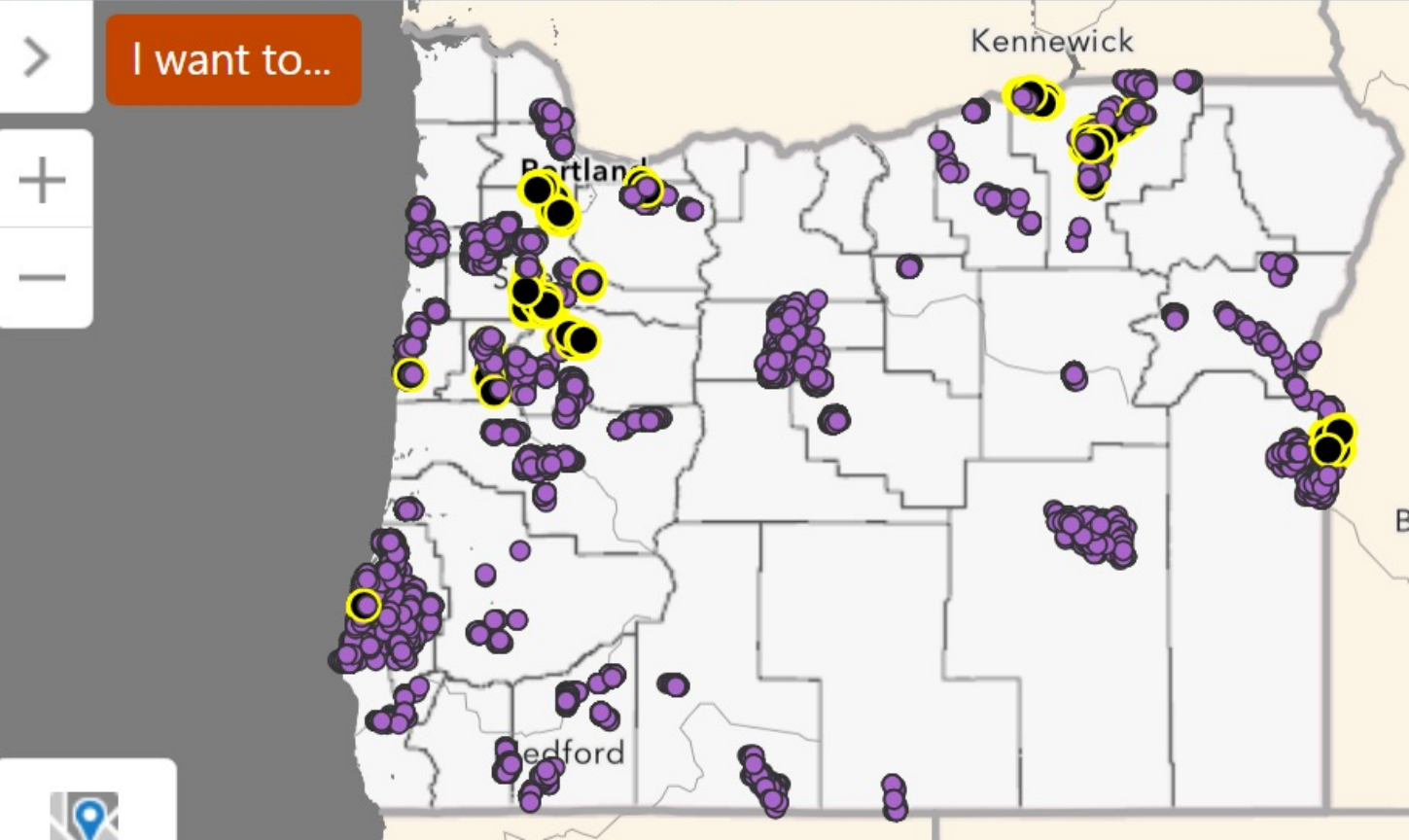
BROADBAND DEPLOYMENT PROGRAM / RECONNECT APPLICATION OVERLAP

BEAD CHALLENGE PROCESS

NEXT STEPS FOR BEAD

business **oregon.** | OREGON BROADBAND OFFICE

| Prequalification | → | Scoring |

| Negotiation, Round 2 | → | Final Proposal, submit by 6/9/25 |

| NTIA reviews and approves Final Proposal | → | Contract with subrecipients |
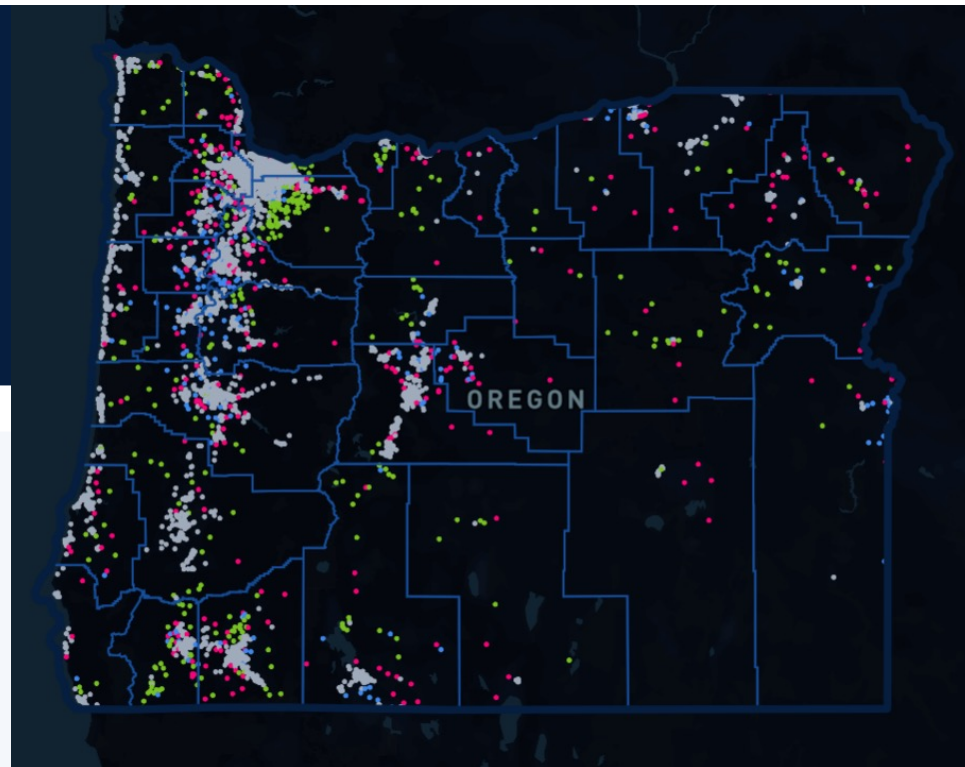
Q1: How important is network financial sustainability to state offices and therefore, how important is Operations & Maintenance (O&M) for scoring BEAD applications?

- Weighting O&M plans in BEAD application scoring

- Criteria for robust O&M plans

- Balancing financial sustainability with serving underserved areas

- Evaluating long-term financial viability of proposed projects

Q2: How will wireless technologies will be used in the rollout of BEAD?

- Role of various technologies in meeting BEAD objectives

- Place of fixed wireless access (FWA) in state BEAD implementations

- Unique geographic, demographic, and economic challenges

- Expected innovative solutions to state-specific issues

Q3: How will ISPs be qualified and vetted to avoid future defaults and how are ISPs who do not currently provide services within a state, vetted?

- Communicating importance of complete applications

- Supporting ISPs in submitting competitive applications

- Criteria for vetting ISPs, especially new entrants

- Balancing experienced providers with new market entrants

- Safeguards against provider defaults

- Challenges in the vetting process

Q4: How will states manage the No Grace Period for incomplete grant proposals?

- What is your approach to the curing of incomplete applications

- Preparing applicants for federal requirements and compliance and the importance of complete applications

- Resources or support to help smaller ISPs submit, complete, and competitive applications

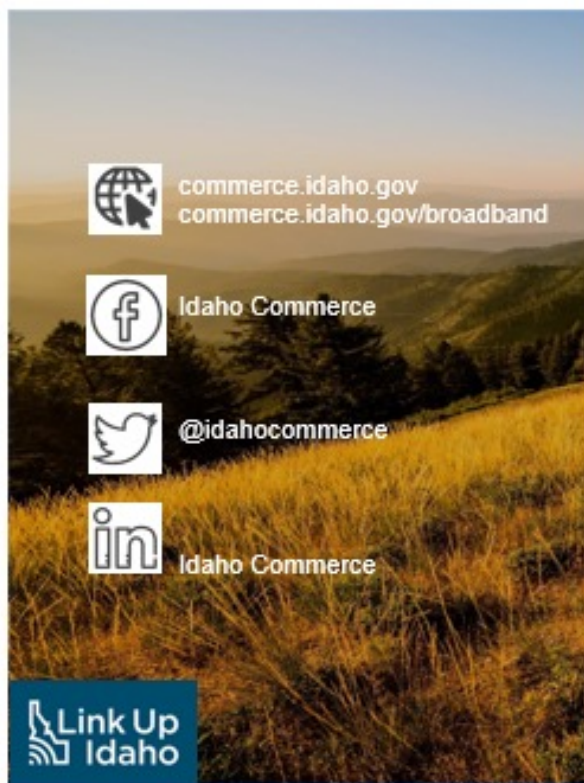- Specific issues or concerns from ISPs regarding the application process

Q&A

Final Thoughts

Thank you

Contact Information

IDAHO

commerce.idaho.gov
commerce.idaho.gov/broadband

Idaho Commerce

@idahocommerce

Idaho Commerce

Link Up Idaho

**QUESTIONS?
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NEVADA

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