

# Meetings:

## Idaho County Broadband Coalition

Date: \_\_\_\_\_

Start time: \_\_\_\_\_

End time: \_\_\_\_\_

Name of Presiding Member (Chair): \_\_\_\_\_

### Attending Members:

- \_\_\_ City of Cottonwood, Ken Bock
- \_\_\_ City of Grangeville, Tonya Kennedy
- \_\_\_ City of Kooskia, Carlos Martinez
- \_\_\_ City of Riggins, Cody Killmar
- \_\_\_ City of Stites, Terry Gamble
- \_\_\_ City of White Bird, Sandy Murphy
- \_\_\_ CompuNet, Dominic Ponzozzo
- \_\_\_ School District #242, Ryan Hasselstrom
- \_\_\_ Idaho County, Ted Lindsley
- \_\_\_ Idaho County, Jerry Zumalt
- \_\_\_ School District #244, Michael Stevens
- \_\_\_ Pacific Cabinets, Casey Forsmann
- \_\_\_ Prairie River Library District, Ellamae Burnell
- \_\_\_ Salmon River Chamber, Jeannie Fancher
- \_\_\_ School District #243, Conrad Banez
- \_\_\_ St. Mary's Health, Brian Tarello
- \_\_\_ Syringa Hospital & Clinics, Abner King

### Other attendees:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_.

### Minutes:

Date of the Minutes to be approved: \_\_\_\_\_

### Motion:

\_\_\_\_\_  
\_\_\_\_\_.

Motion Made by: \_\_\_\_\_

Motion 2<sup>nd</sup> by: \_\_\_\_\_,

**Discussion:**

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**Vote:**

# approving: \_\_\_\_\_  
# disapproving: \_\_\_\_\_  
# abstaining: \_\_\_\_\_

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**General Discussion:**

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**Motion #1:**

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**Motion Made by:** \_\_\_\_\_

**Motion 2<sup>nd</sup> by:** \_\_\_\_\_,

**Discussion:**

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**Vote:**

# approving: \_\_\_\_\_  
# disapproving: \_\_\_\_\_  
# abstaining: \_\_\_\_\_

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**Motion #2:**

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\_\_\_\_\_  
\_\_\_\_\_.

**Motion Made by:** \_\_\_\_\_

**Motion 2<sup>nd</sup> by:** \_\_\_\_\_,

**Discussion:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_.

**Vote:**

**# approving:** \_\_\_\_\_

**# disapproving:** \_\_\_\_\_

**# abstaining:** \_\_\_\_\_

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**Motion #3:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_.

**Motion Made by:** \_\_\_\_\_

**Motion 2<sup>nd</sup> by:** \_\_\_\_\_,

**Discussion:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_.

**Vote:**

**# approving:** \_\_\_\_\_

**# disapproving:** \_\_\_\_\_

**# abstaining:** \_\_\_\_\_

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**Other:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_.

**Next Meeting:** \_\_\_\_\_

**Adjournment time:** \_\_\_\_\_

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Meeting Recorder Name: \_\_\_\_\_

**NOVEMBER 1, 2024**



**IDAHO COUNTY  
BROADBAND  
COALITION  
TRAINING**



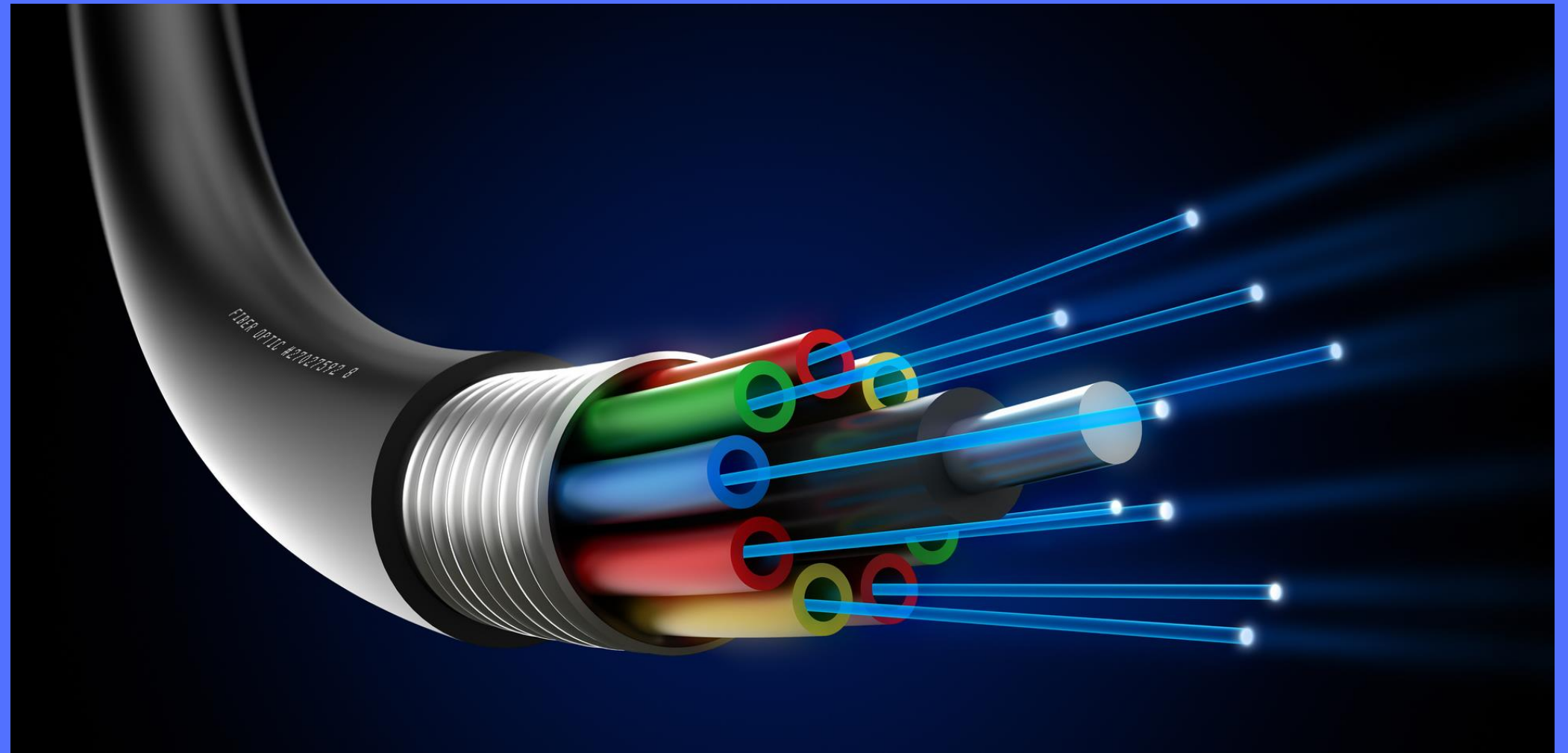
# WELCOME

**Jerry Zumalt**  
Disaster Management Coordinator  
Idaho County





# COALITION PURPOSE



## Driver - BEAD Funding

- COMMUNITY NEEDS DRIVEN

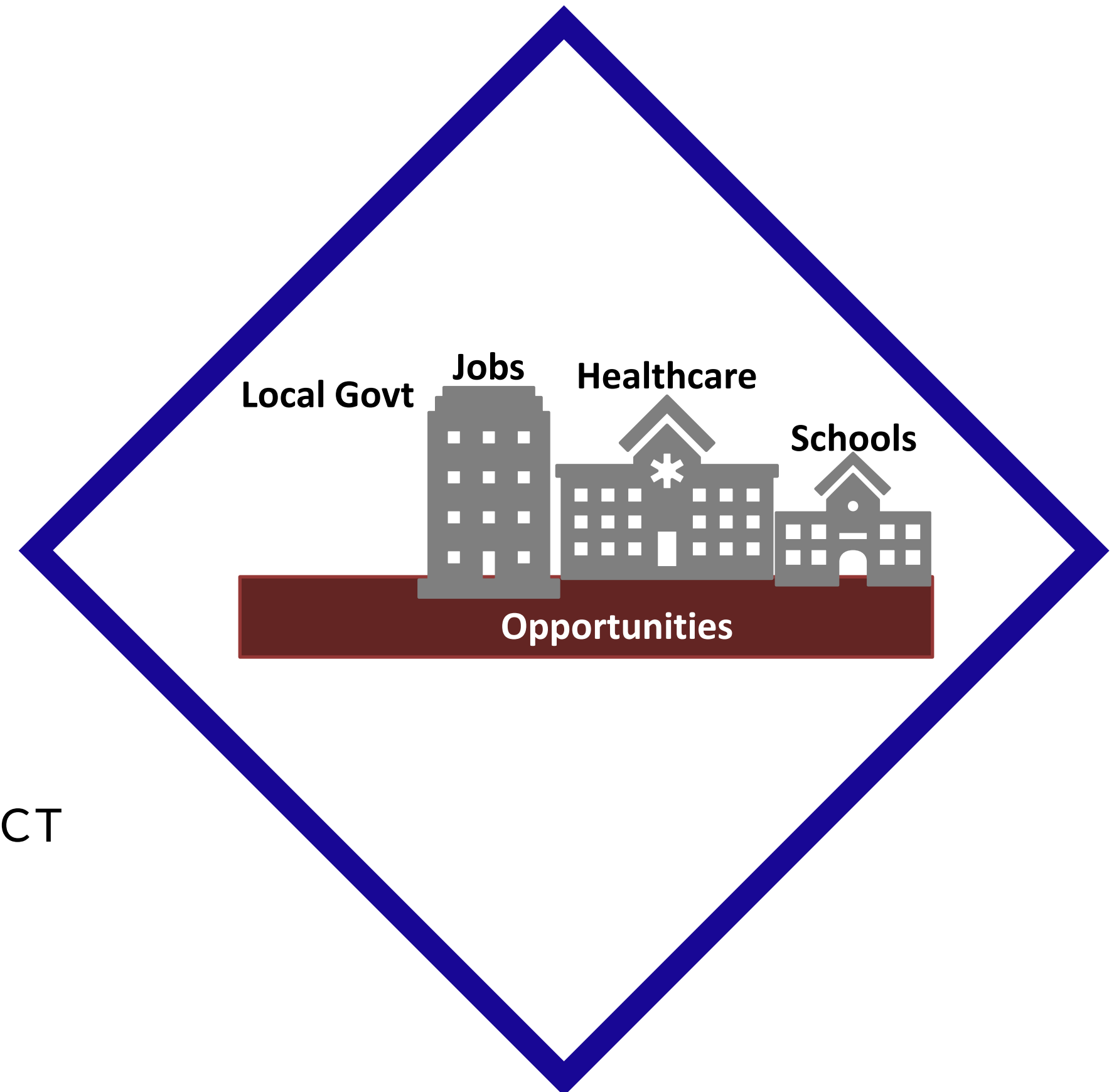
- 5-YEAR PLAN & IMPLEMENTATION FOR BROADBAND DEPLOYMENT

- NETWORKING & SHARING FOR SUCCESS

# Coalition Members

- IDAHO COUNTY
- CITIES
  - COTTONWOOD
  - FERDINAND
  - GRANGEVILLE
  - KOOSKIA
  - RIGGINS
  - STITES
  - WHITE BIRD
- HEALTHCARE
  - ST. MARY'S HEALTH
  - SYRINGA HOSPITAL & CLINICS
- EDUCATION
  - SD242-COTTONWOOD
  - SD243-SALMON RIVER
  - SD244-MOUNTAIN VIEW
  - PRAIRIE RIVER LIBRARY DISTRICT
- BUSINESS
  - PACIFIC CABINETS
  - SALMON RIVER CHAMBER
  - COMPUNET

# Introductions





# GETTING STARTED

**Christine Frei**

Consultant

Prime Point Consulting





# Agenda

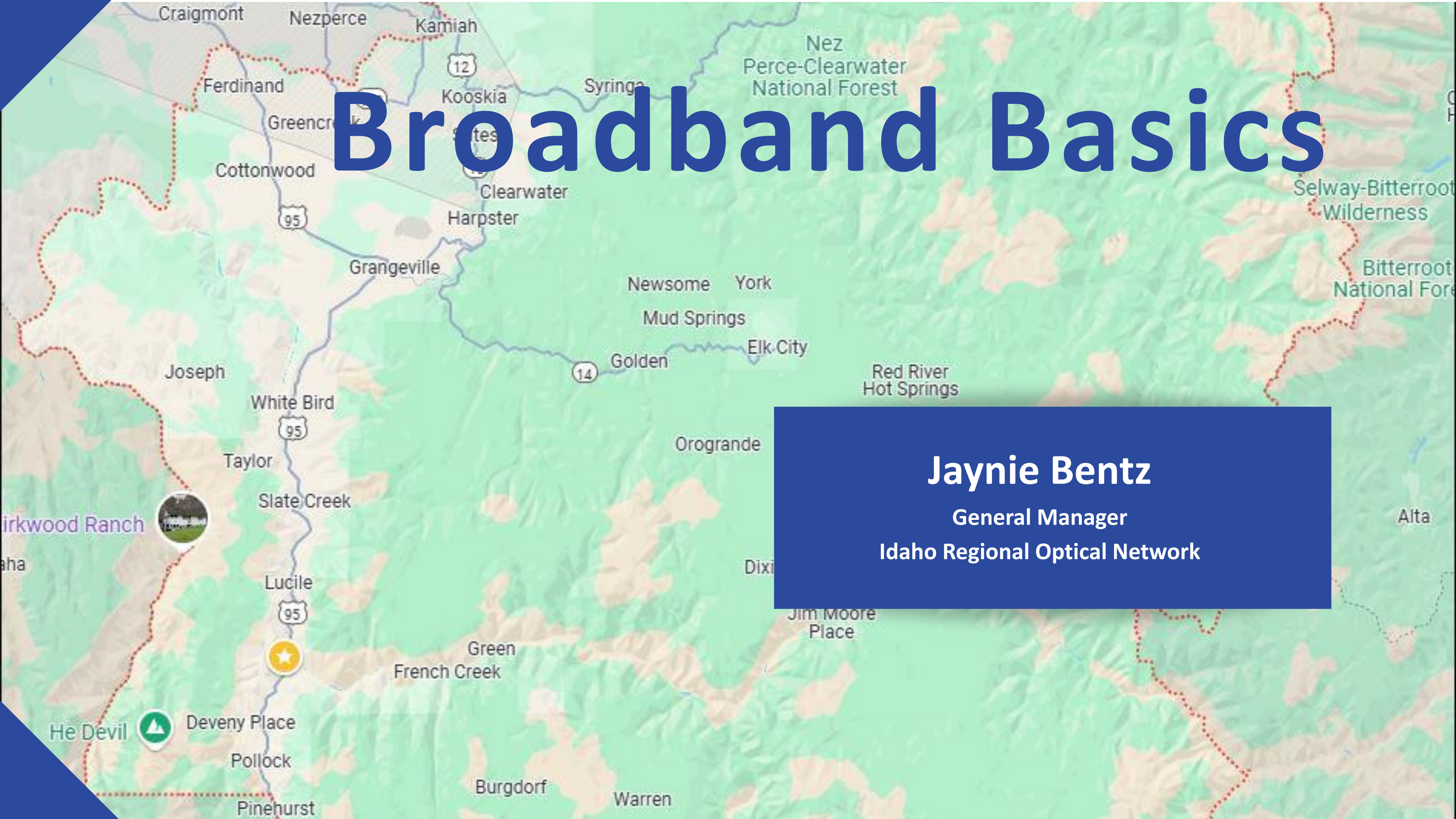
- I. Welcome
- II. Getting Started with the Day
- III. Getting the Coalition on the Same Page with Broadband Basics
- IV. Idaho County Broadband -What Do We Need It For? What Challenges Do We Have?
  
- V. **BREAK**
  
- VI. Idaho County Broadband Players - How are They Making a Difference
- VII. Critical Grant Resources & Project Preparation
- VIII. The BEAD (Broadband Equity, Access & Deployment Program) Grant Application  
The Federal Communication Commission (FCC) Map: What Information Does it  
Provide Idaho County
  
- IX. LUNCH (12 pm- 12:30 pm)
  
- X. Organizing the Idaho County Coalition for Success
- XI. State of Idaho 5-Year Plan and the Idaho County 5-Year Plan
  
- XII. **BREAK**
  
- XIII. Idaho County's Broadband Planning: Vision & Goals
- XIV. ADJOURN (3pm)

**The Coalition Resource Binder & Mileage Reimbursement**

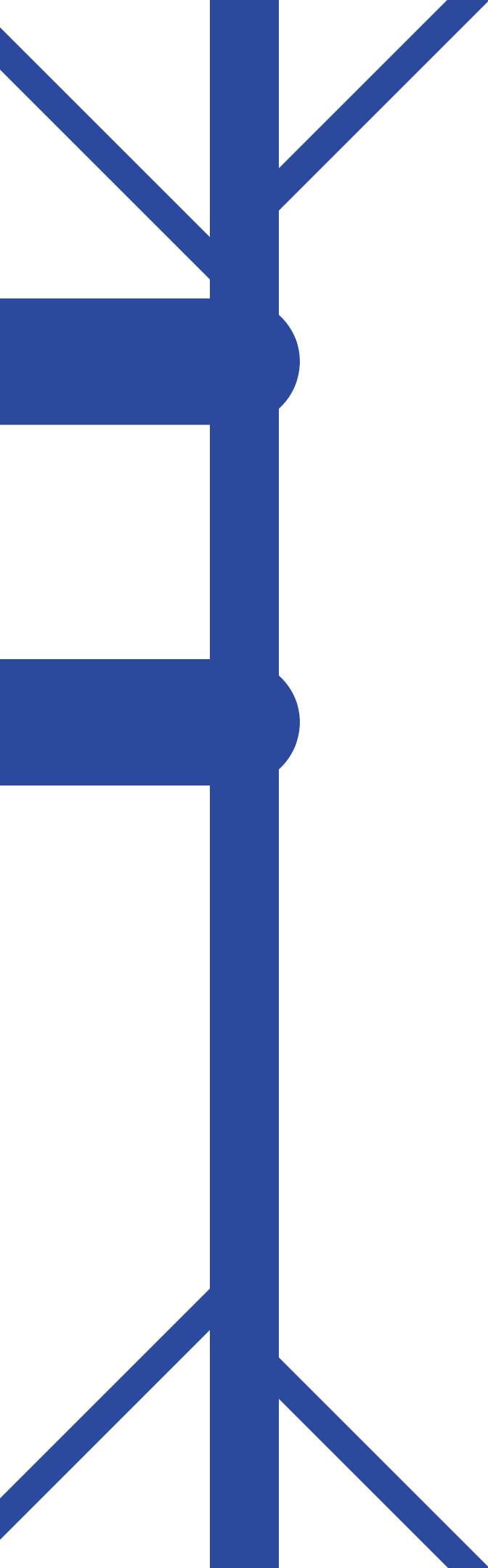


# Broadband Basics

**Jaynie Bentz**  
General Manager  
Idaho Regional Optical Network





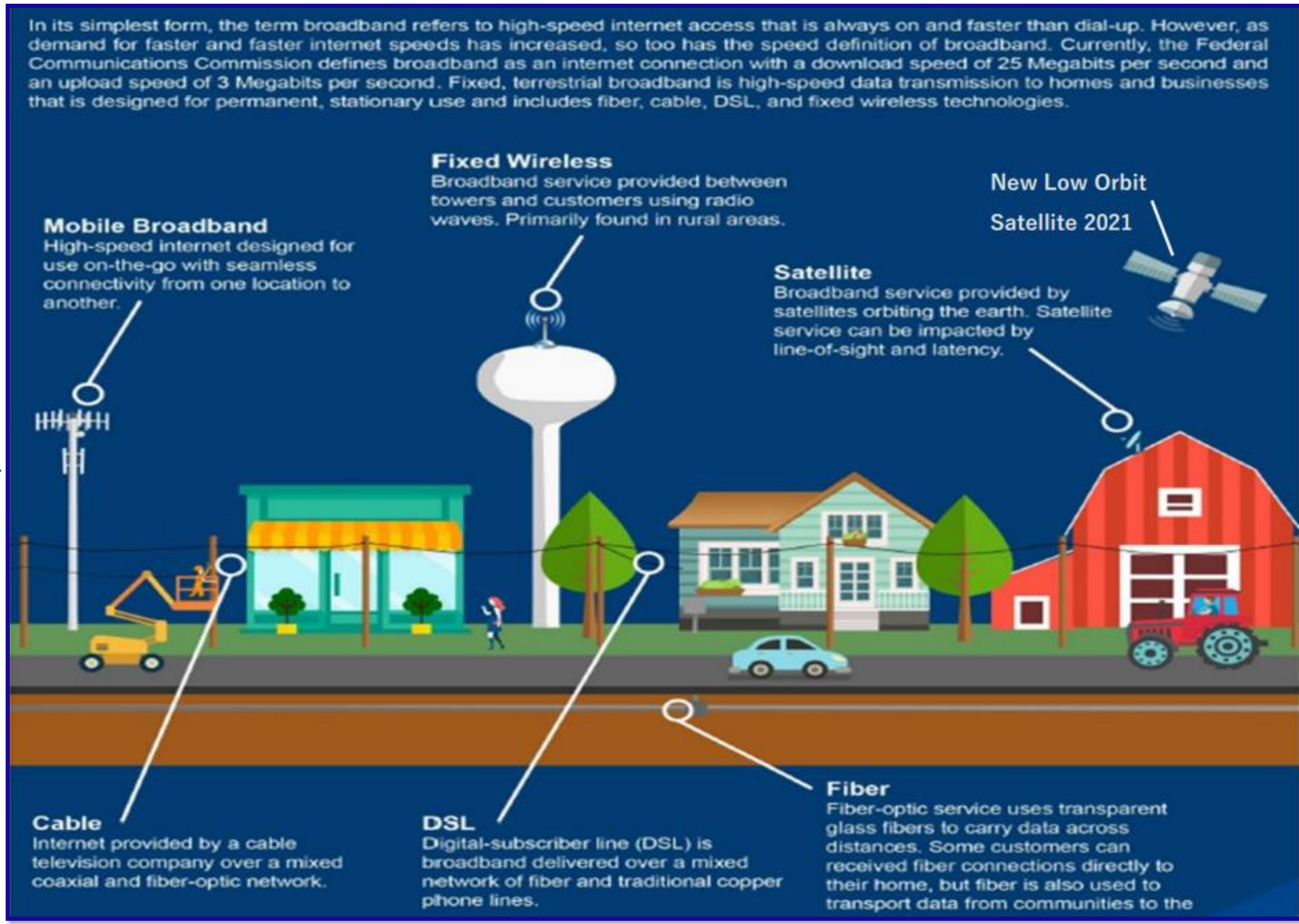


# **BROADBAND**

**Is needed for almost  
everything**

**THE GOAL:**  
ACCESSIBLE, RELIABLE, AFFORDABLE  
HIGH-SPEED INTERNET

High Speed Internet connection is provided through different mediums:





# Data Terms

**Bits and bytes:** A bit is the basic unit of information in computing.

| The following units are associated with broadband: |  |
|--|--|
| Bit  | Smallest unit of digital information             |
| Byte   | Equal to 8 bits                                  |
| Bps  | Bits per second                                  |
| Kbps   | Kilobits per second (1000 bits per second)       |
| Mbps   | Megabits per second (1 million bits per second)  |
| Gbps   | Gigabits per second (1 billion bits per second)  |
| Tbps   | Terabits per second (1 trillion bits per second) |

## **Upload and download:**

- “Upstream” or “uploading” is moving from the end user’s computer or device to the service provider
- “Downstream” or “downloading” is moving from the service provider to the end user.

**Symmetric, asymmetric:** Whether the up and down speeds match.

# BEAD Program

**Unserved Location**  
**25 Mbps/3 Mbps**

**Underserved Location**  
**100 Mbps/20 Mbps**

Download speeds/Upload speeds

# Why Fiber?

## Current Maximum Download Speeds

DSL  
5G  
Cable

Fiber  
25 Tbps  
(25,000,000 Mbps)

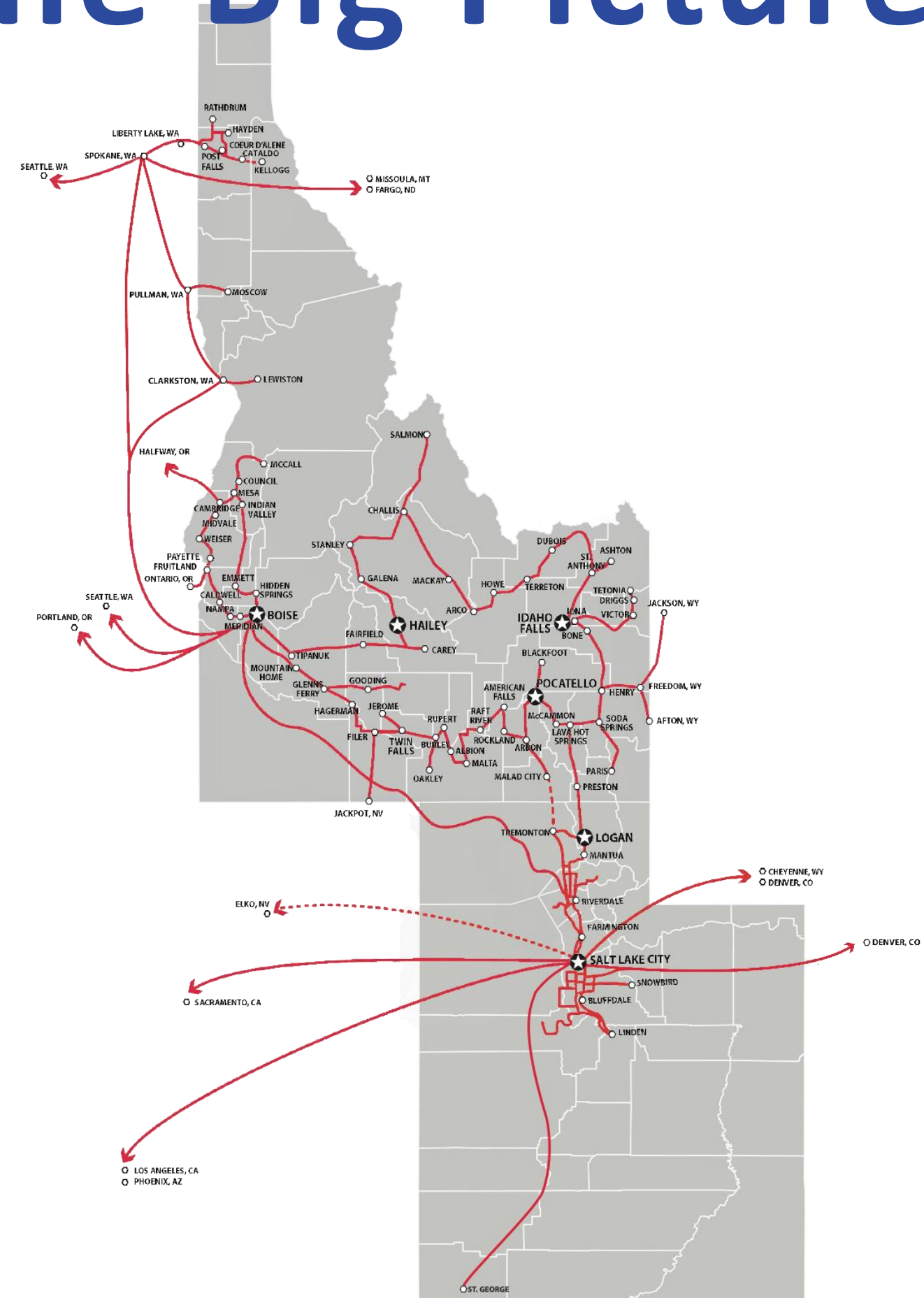


# The Big Picture

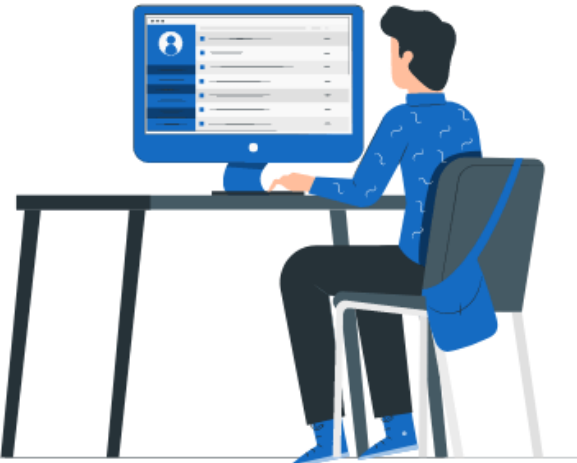
**Backbone:** The Internet is really a network of networks, and the large trunk lines that connect them are referred to as the “backbone.”

**Backhaul or middle mile:** The section of the network that connects the last mile portion of the network to the service provider’s core network.

**Last mile:** The last link connecting the provider’s network to the customer’s premises, either a house or a business.



# The Minimum Internet Speed You Need



## 1-3 Users

- Streaming high resolution and 4K video
- Streaming music
- Online gaming
- Moderate remote work using light apps

## 2-5 Users

- Streaming high resolution and 4K video
- Streaming music
- Online gaming
- Operating a home office setup
- Home security device usage

Mbps



## 1-2 Users

- Emails
- Everyday web browsing
- Streaming standard quality video and music

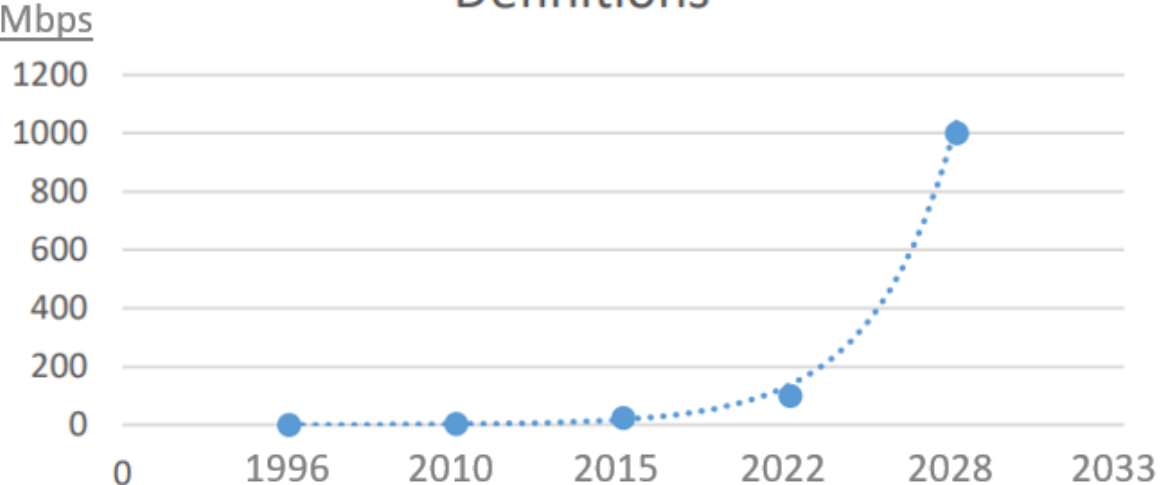
## 2-4 Users

- Streaming high resolution and 4K video
- Streaming music
- Online gaming
- Remote work
- Home security device usage

## More than 5 Users

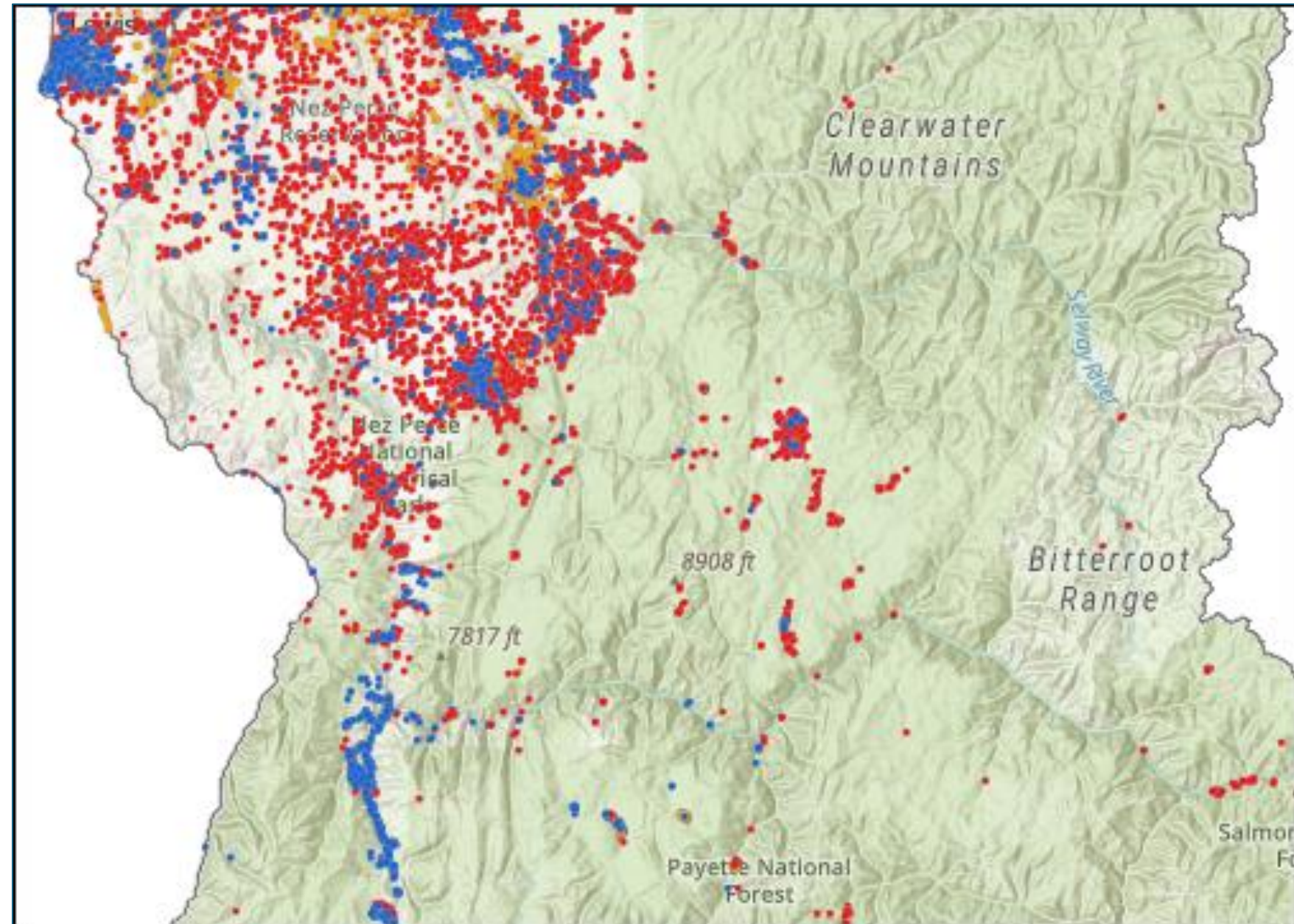
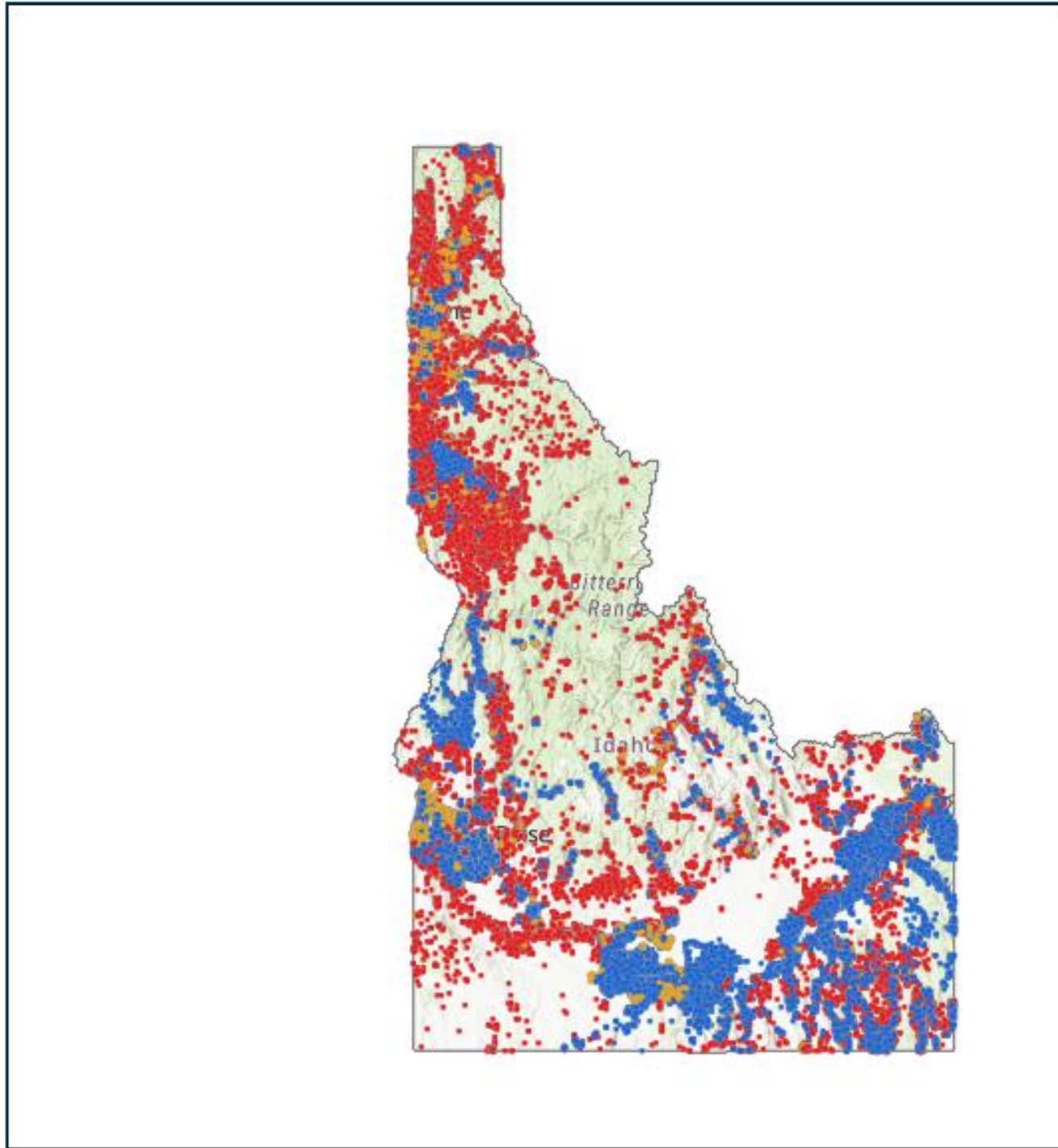
- Streaming high resolution and 4K video
- Streaming music
- Online gaming
- Home office setup
- Creative software and apps usage
- High-quality live streaming
- Home security device usage
- Smart home applications and devices

US Government Download Speed Definitions





# Unserved Underserved



Underserved Locations – Yellow  
Unserved Locations – Red  
Served Locations-Blue



# Open Access Network (OAN)

## Definition

Networks that offer wholesale access to network infrastructure or services provided on fair and reasonable terms with some degree of transparency and nondiscrimination.

*BroadbandUSA definition*

## Benefits

Allows for multiple Internet Service Providers to provide services within a location creating competition that drives better services and more affordable pricing. Reduces the chance of service monopolies.



A topographic map of Idaho County, Idaho, showing various towns and geographical features. A yellow star with a white outline is placed on the map near the town of Lucile, which is situated along Highway 95. Other towns labeled include Ferdinand, Greencreek, Cottonwood, Stites, Clearwater, Harster, Grangeville, Newsome, York, Mud Springs, Golden, Joseph, White Bird, Taylor, Slate Creek, Lucile, Deveny Place, Pollock, Pinehurst, Burgdorf, Warren, Orogrande, Dixie, Upper Crossing, and Alta. The map also shows major roads like Highway 95, 12, 13, 14, and 162, and natural areas like Selway-Bitterroot Wilderness and Bitterroot National Forest.

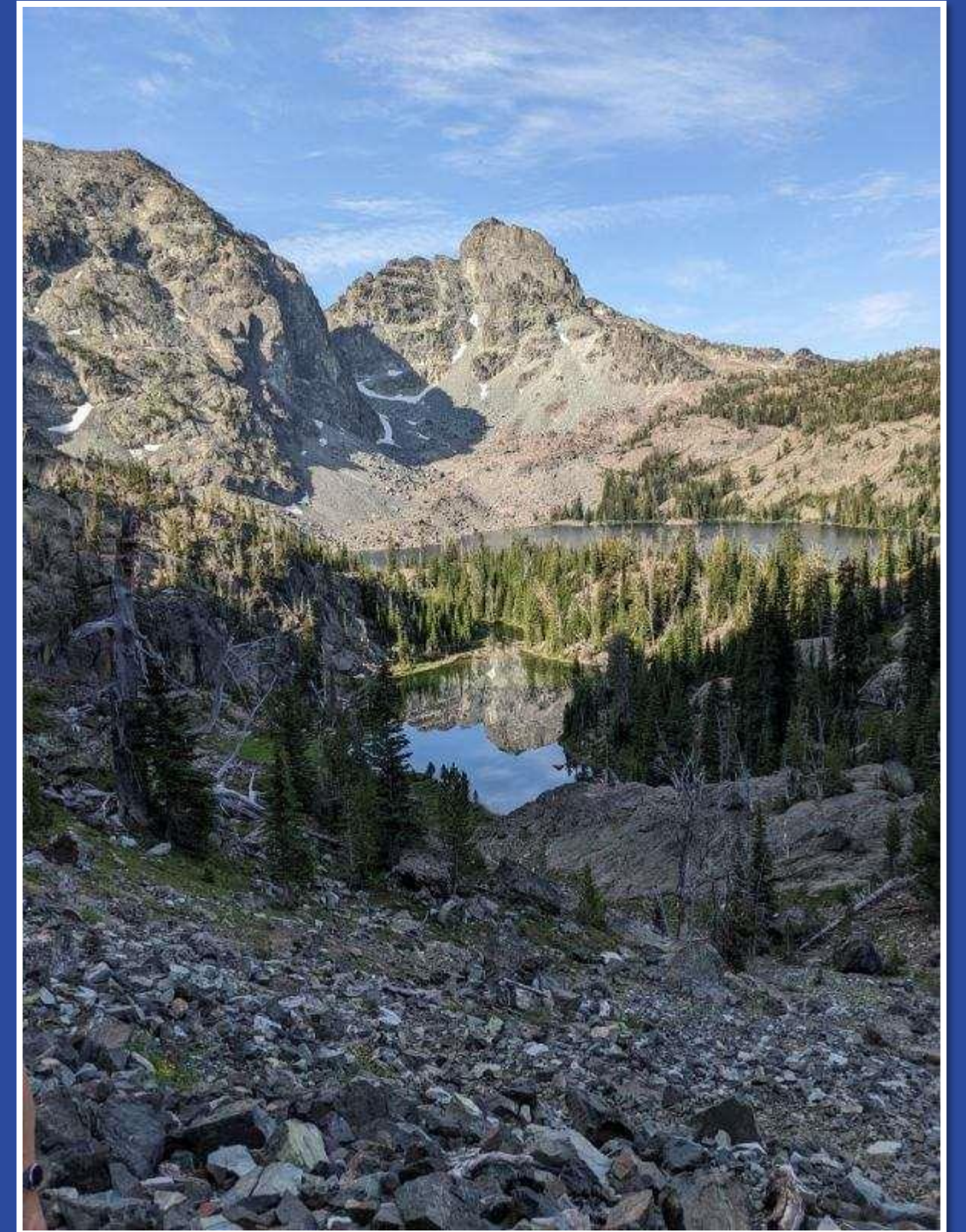
# Idaho County Community and Anchor Institutions

**Facilitated Discussion**



**BREAK**

15 minutes...







# Idaho County Broadband Resources

**Introduction of  
Services**



- Idaho Office of Broadband
- District 2 Interoperability Governance Board (DIGB2)
- Port of Lewiston
- Nez Perce Tribe
- Clearwater Economic Development Association
- Imagine Idaho
- Internet Service Providers
  - Airbridge
  - CenturyLink
  - First Step Internet
  - Inland Cellular
  - Nez Perce Tribe
  - Suddenlink
  - Zply Fiber
  - and others
- Satellite Service Providers
  - HughsNet
  - Starlink
  - And others



# Introductions



# IDAHO COUNTY

## MIDDLE MILE BUILDS

Zipty Fiber

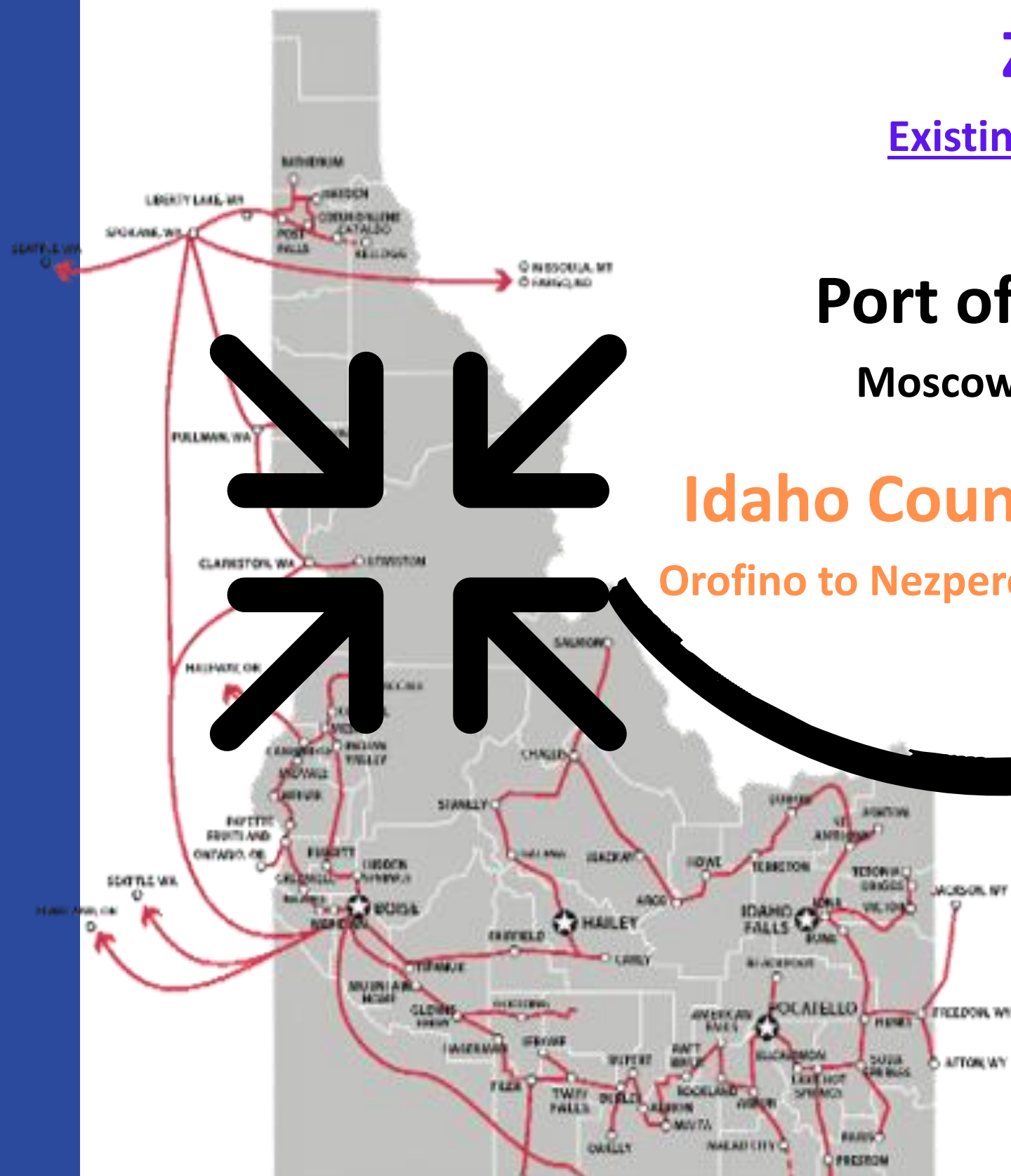
Existing Moscow to Orofino

Port of Lewiston  
Moscow to Lewiston

Idaho County (DIGB2)  
Orofino to Nezperce to Grangeville

IRON  
Grangeville to Star

Star, ID (outside of Boise)





A topographic map of the Clearwater region in Oregon, showing towns, roads, and natural features. A blue star marker is placed on the map near the town of Lucile. The map includes labels for towns such as Craigmont, Ferdinand, Green Creek, Cottonwood, Joseph, White Bird, Taylor, Slate Creek, Lucile, Pollock, Pinehurst, Burgdorf, Warren, Green Creek, French Creek, Deveny Place, Harpster, Grangeville, Clearwater, Stites, Kooskia, Kamiah, Nezperce, Syringa, Golden, Elk City, Orogrande, Upper Crossing, and Alta. It also shows natural features like the Nez Perce-Clearwater National Forest, Selway-Bitterroot Wilderness, and Bitterroot National Forest. Major roads like US-95, US-12, US-13, and US-14 are marked.

# Preparation & Critical Grant Resources

**Dodd Snodgrass**

Executive Director

Clearwater Economic Development Assn.



# Why does Idaho County Need Grant Help?

1

## SQUARE MILES

*8,477 square miles –  
Lots of area to cover.*

2

## POPULATION

*16,787 people – 2 people/square mile.  
Not much broadband business opportunity. Not  
enough business competition to reduce pricing.*

3

## TOPOGRAPHY

*Elevation changes and lots of rock make  
construction expensive. Line of site for  
wireless services difficult.*



# Idaho County Community Broadband Efforts -GRANTS

## 2004-2007

CEDA-led regional economic development forum led to regional planning group to work on a Middle Mile backbone for rural communities. Funded by USDA Rural Business Opportunities Grant (RBOG).



## 2020-2021

Airbridge receives \$850,000 Idaho Broadband CARES Act funds to serve non-incorporated households in Idaho County.



## 2023

IRON receives \$20 million Idaho Broadband funds for Grangeville to Star fiber.

Port of Lewiston receives \$6.26 million for Moscow to Lewiston fiber.

Idaho County receives \$11.6 million Idaho Capital Project Funds for Orofino to Grangeville fiber.



## 2007-2012

First Step Internet (\$2.4 million) and the Nez Perce Tribe (\$1+ million) succeeded in receiving NTIA BTOP funds. FSI installed a robust Fixed Wireless Middle Mile Backbone that is still serving Idaho County.

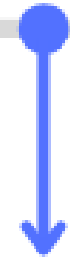
Made efforts to address Fiber connectivity between Riggins & Grangeville using USDA RBEG Grant funds.

*Continued planning efforts & telehealth projects during this period*

## 2022

Port of Lewiston Moscow-Grangeville Fiber award-\$4.5 million EDA Cares Act award.

Airbridge receives \$496,000 in Idaho Broadband CARES Act funds for Pollock, Whitewater, Westlakt, Caribel, and Kooskia



ONCE  
IN A  
GENERATION

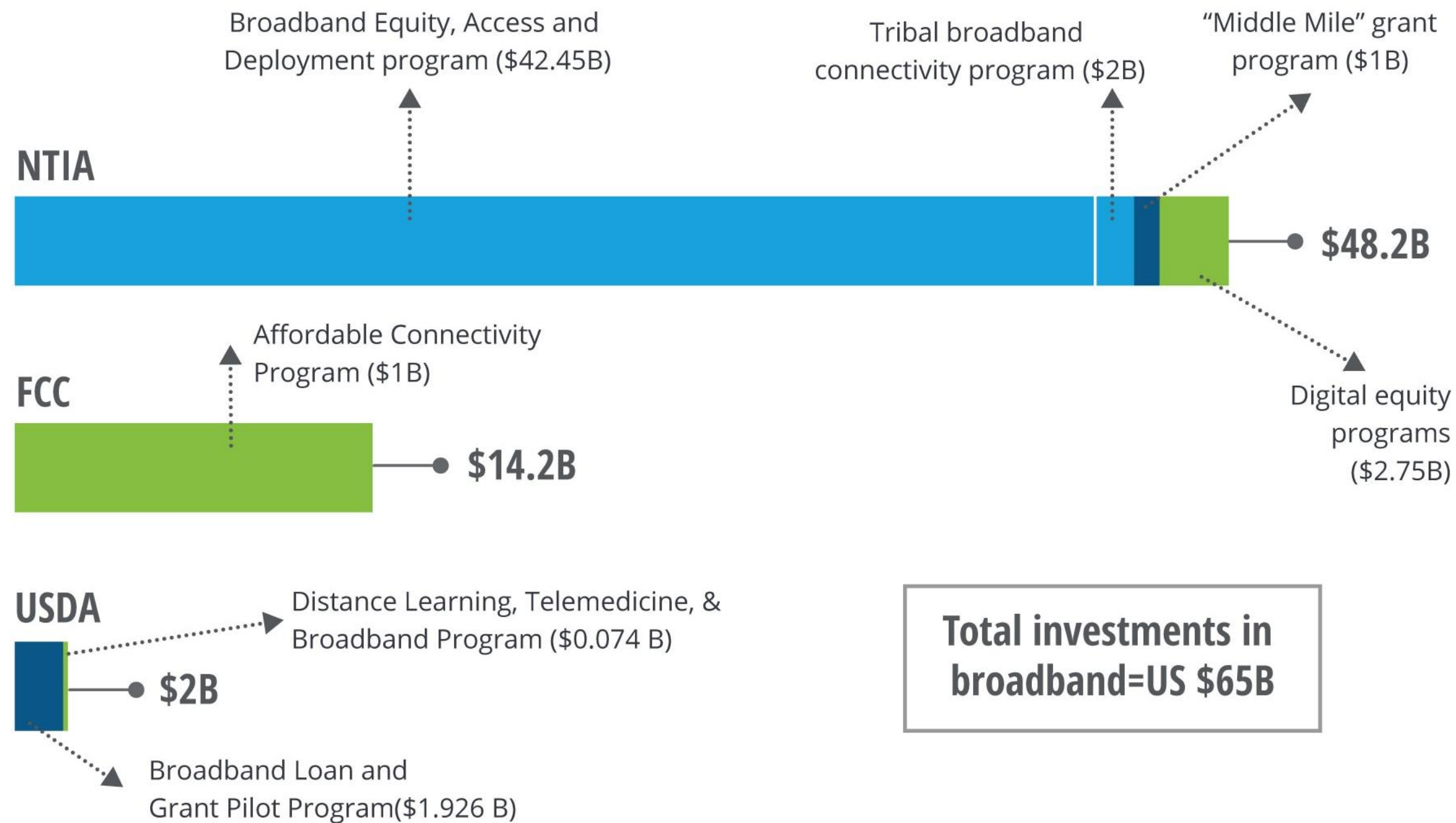
Funding  
for  
Future-Proof  
Infrastructure

30-50+ YEAR  
INVESTMENT

# Dramatic increase in federal spending on broadband with the passage of the infrastructure investment and jobs act

Program goals

■ Infrastructure and Digital Inclusion ■ Infrastructure ■ Digital Inclusion



Source: Deloitte analysis of the Infrastructure Investment and Jobs act.



**FEDERAL**

# BROADBAND RELATED FUNDING

**\$77,300,000,000**

**\$28.3B** = Broadband Equity & Access

**\$1B** = Middle-Mile Broadband Deployment

**\$1.3B** = USDA-RD ReConnect Program

**\$14.2B** = Affordable Connectivity Program

**\$10B** = Capital Projects Fund (ARPA)

**\$1B** = Build Back Better Challenge

**\$7.2B** = Emergency Connectivity Fund

**\$20.4B** = Rural Digital Opportunity Fund

**\$500M** = Emergency Rural Healthcare

**\$300M** = Broadband Deployment (NTIA)

**\$15M** = Museum & Library Services

**\$571M** = Rural Healthcare Program

**\$44.5M** = Distance Learning & Telemedicine

**\$35M** = Idaho Broadband Advisory Board

**Idaho has \$583 million BEAD Funds for Last Mile Projects.**

# GRANT READINESS

## ORGANIZE

*Develop Partnerships to share information, work on common goals, leverage resources, and divide and conquer.*

## HAVE A PLAN

*Identify the needs. Back them up with data. Prioritize your projects and choose best options.*

## KNOW YOUR GRANT

*Know your grant resources. Make sure the funding fits the need. Be sure to be able to fully address the funders questions in the application. Have our match in hand. Meet the*





# BEAD GRANT & Eligible Location Mapping

**Krista Baker**

Project Manager

Idaho Office of Broadband



# IDAHO OFFICE OF BROADBAND



TRANSPARENCY



OUTREACH



PARTNERSHIPS



TEAMWORK



COMMUNICATION



# LINK UP IDAHO

Please visit:  
[LinkUp.idaho.gov](http://LinkUp.idaho.gov)

Stay Informed  
Engaged &  
Educated

Mapping  
Grants  
Speed Tests  
Surveys  
Resources





# IDAHO MANAGED BROADBAND FUNDS

Idaho Broadband Fund

**\$8.7 million**

(Awarded \$26.3M January 25, 2023)

Capital Projects Fund  
(ARPA)

**\$120 million**

(Awarded Dec. 1, 2023)

Broadband Equity, Access and  
Deployment Program

(IIJA)

**\$583 million**

← More Flexibility

Less Flexibility →



# IDAHO BEAD PROGRAM

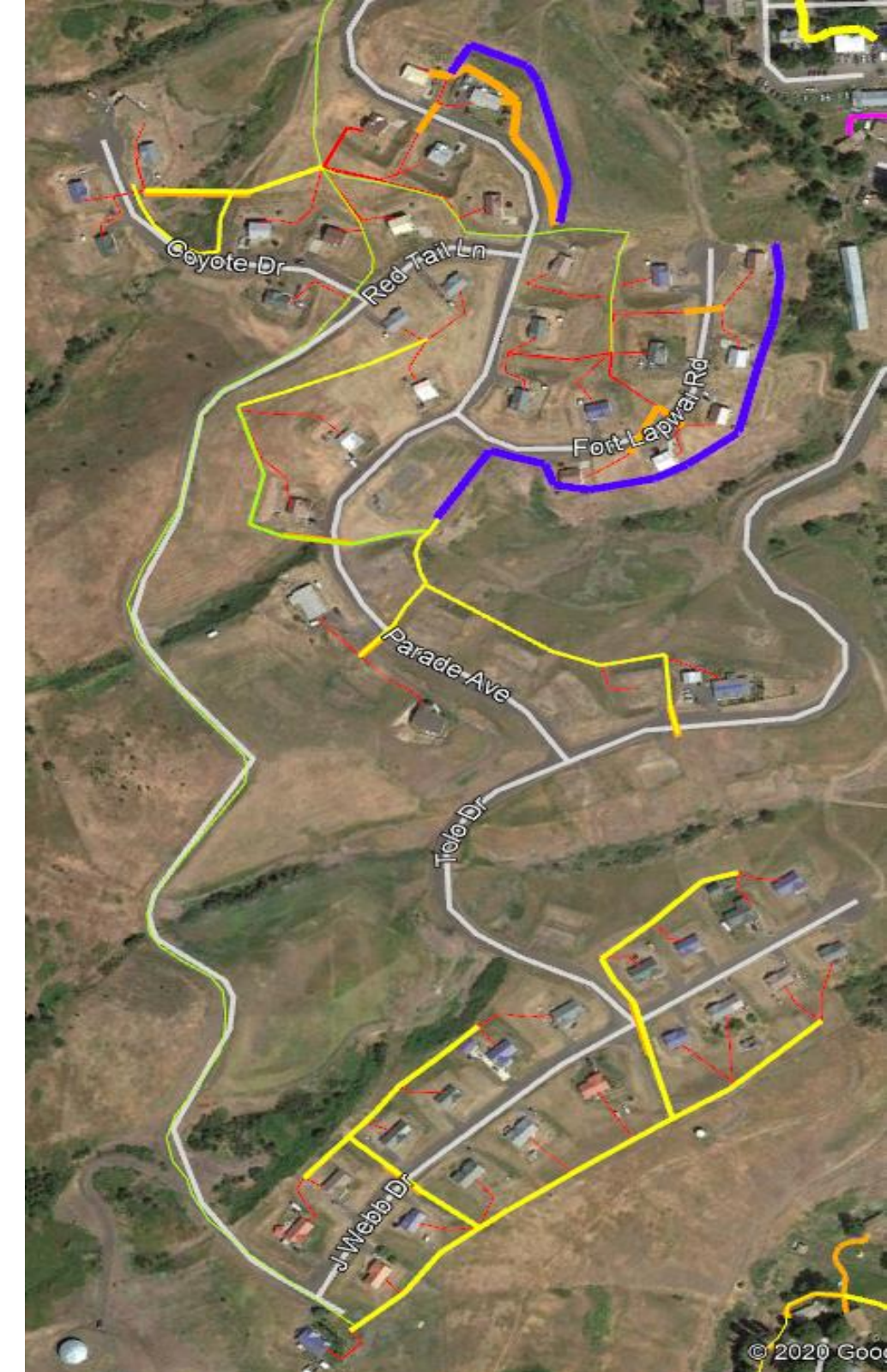
## Program Highlights:

- 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





# BEAD Eligible Locations\*

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|                | Unserved | Underserved | Total Eligible |
|----------------|----------|-------------|----------------|
| Pre-challenge  | 55,453   | 30,628      | 86,081         |
| Post-challenge | 68,108   | 38,709      | <b>106,817</b> |
| Difference     | +12,655  | +8,081      | <b>+20,736</b> |

*\*Data reflected as submitted to NTIA and is pending final NTIA review, curing and approval.*





# BEAD IP Volume II

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## - Subgrantee Selection Process

Pre-Qualification/LOI Submission: 30 days

LOI Review & Approval: 60 Days

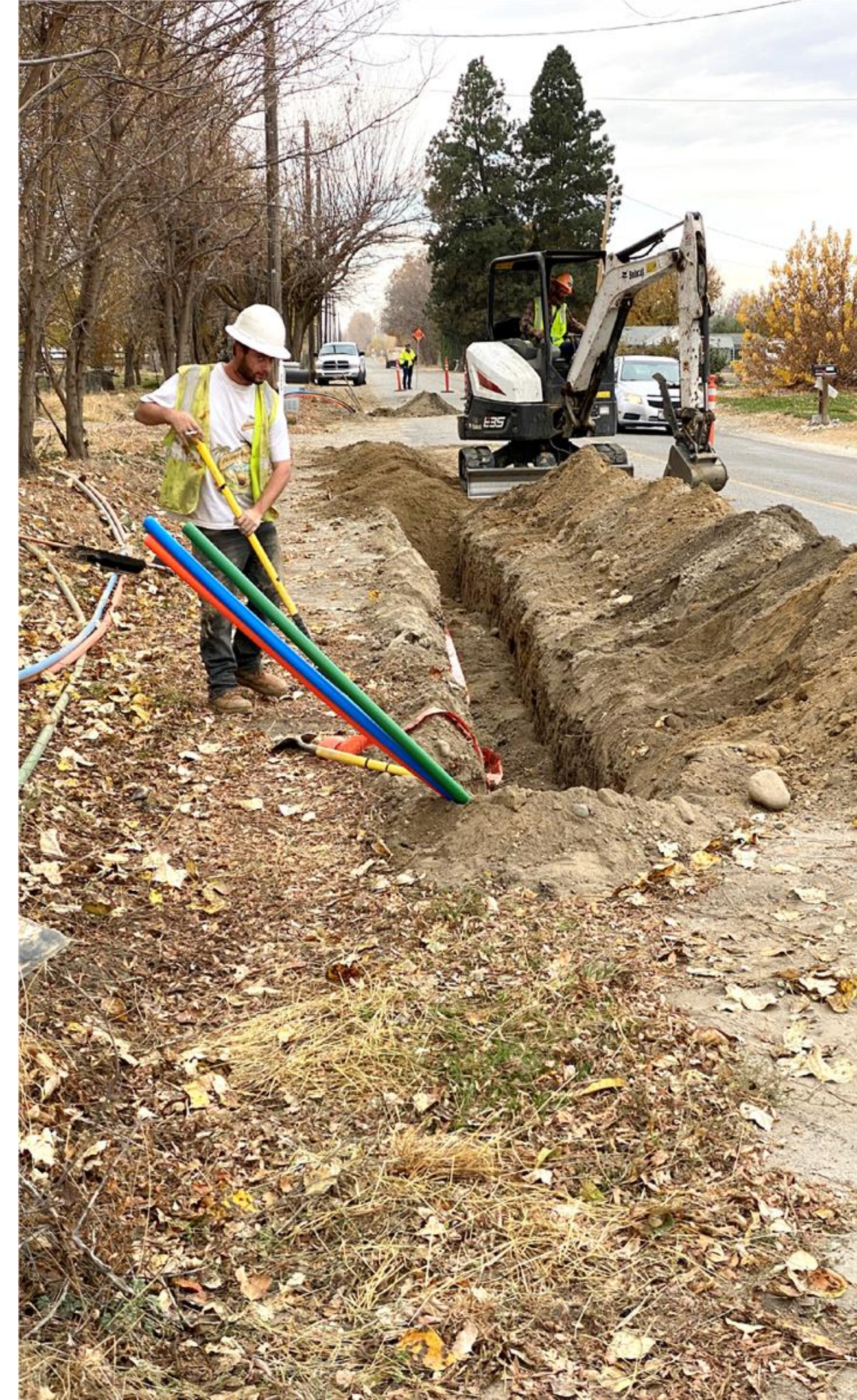
Application Window: 45 Days

Application Review: 90-120 Days

Submit Final Proposal by: September 4, 2025

## Upcoming BEAD Items:

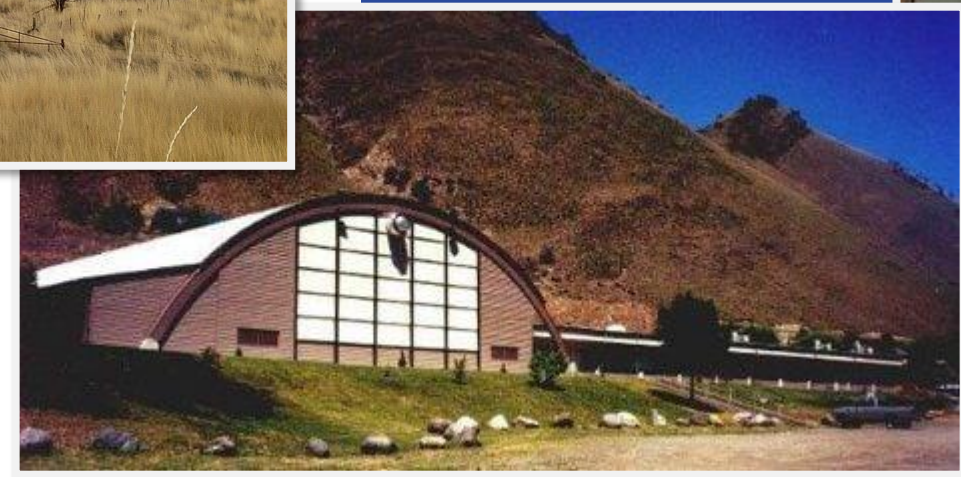
- 1) Publish Application Project Areas (APAs) and hold 28-day public comment period between now and end of CY24.
- 2) Open, and administer, pre-qualification process: Early CY25





# Lunch

30 minutes...





**NOVEMBER 1, 2024**



**IDAHO COUNTY  
BROADBAND  
COALITION  
TRAINING**