DEPARTMENT OF COMMERCE, COMMUNITY AND ECONOMIC DEVELOPMENT

Alaska Broadband Office

Federal Program Update

December 7, 2022
Broadband Office – Organization Chart

Director of Broadband

Administrative Specialist

Connectivity Manager

Tribal Liaison

Sr. Project Manager

Permit Coordinator

Grant Administrator
**DIGITAL EQUITY -- DIGITAL INCLUSION -- DIGITAL LITERACY**

**COVERED POPULATIONS**

- Aging Individuals
- Veterans
- Individuals w/ Disabilities
- Residing in Rural Area
- Members of Racial or Ethnic Minority Group
- Households at/below 150% of the Poverty Level
- Individuals w/ Language Barrier
- Incarcerated Individuals

**FUNDING**

- Planning Grants: $60 Million
- Capacity Grants: $240 Million
- Competitive Grants: $1.25 Billion

**HUMAN SUBJECT RESEARCH**

- Careful Planning
- Approved Questions
Broadband Equity, Access and Deployment Program

- Allocates $42 Billion for all States and Territories
  - $100 Million Minimum Allocation for each State and Territory
  - High-Cost Areas (10%) = Unserved in “High Cost” area as a percentage of total Unserved in “High Cost” areas in the United States
  - Remaining Funds = Unserved in Alaska/Unserved total US

- Disbursement of Alaska’s Allocation
  - Alaska’s allocation will be disbursed, through grants, based on percentage of locations that are:
    1. Unserved (less than 25Mbps/3Mbps)
    2. Underserved (less than 100Mbps/20Mbps) and
    3. Unserved Community Anchor Institutions (less than 1Gbps/1Gbps)
BEAD Milestones

State of Alaska Activities

- Five-Year Action Plan (max 270 Days)
- Initial Proposal (max 180 Days)
- At Least 20% Funding Authorized
- Final Proposal (max 365 Days)
- Remaining Funding Authorized

NTIA Activities

- Approval of Plan
- Approval of Initial Proposal
- Notice of Funding Allocations
- State Mapping Challenge/Grant Program
- Approval of Final Proposal
Definition of Served/Underserved/Unserved

Broadband Equity, Access and Deployment Program

• Unserved:
  • Cannot achieve 25 Mbps Download Bandwidth (Watching a video)
  • Cannot Achieve 3 Mbps Download Bandwidth (Posting)

• Underserved:
  • Minimum 25 Mbps Download Bandwidth of 25 Mbps, but cannot reach 100Mbps
  • Minimum 3 Mbps Upload Bandwidth, but cannot reach 20 Mbps

• Served:
  • Minimum 100 Mbps Download Bandwidth
  • Minimum 20 Mbps Upload Bandwidth

What does Alaska look like?
Understanding Alaska’s Broadband Needs
## Evaluation of Served/Underserved/Unserved Alaska Communities

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Fabric Mapping: SOA and the FCC

Moving from the 450-mile view to the 350-foot view
Tracking Each Individual Broadband Service Location (BSL)
FCC Fabric Mapping

https://broadbandmap.fcc.gov/home

Search by Address
Enter address

Location Providers Area Download
FCC Fabric Mapping

https://broadbandmap.fcc.gov/home

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YUKON FLATS NAT WILDLIFE, AK 00002

Selected Location

YUKON FLATS NAT WILDLIFE, AK 00002
Status: Served | Residential | Unit Count: 22

Broadband
Type: Residential
Technology: Any Technology
Speed: 25/3 Mbps or greater
Data As Of: Jun 30, 2022 (Last Updated: 11/17/22)

Residential | Business

Provider | Technology | Down (Mbps) | Up (Mbps) | Chall.
--- | --- | --- | --- | ---
Hughes Network Systems, LLC | GSO Satellite | 25 | 3 |  

Map Legend
- Coverage available
- Coverage not available
- Not a mass market location
FCC Fabric Mapping & Alaska’s BSLs
BEAD Five-Year Action Plan

5-Year Action Plan
Broadband Blueprint
Work with Tribes, Villages, Communities, Industry, Regional Corporations, AFN, AML and others to develop and submit a Five-Year Action Plan.

Five Year Action Plan -- Components

- **Outreach:**
  - Digital Equity Inclusion and External Engagement Process
  - Alignment with Other Statewide Social/Economic/Infrastructure Plans

- **Network:**
  - Broadband Service Needs
  - Asset Inventory
  - Deployment Barriers & Obstacle Identification
  - Comprehensive High-Speed Internet Plan

- **Logistical:**
  - Outline of Broadband Office, Employees, Consultants & Contractors, Program Work, and Anticipated Technical Assistance & Capacity Needs
  - Broadband Funding Identification (Federal, State, Local and Tribal Providers) and Broadband Affordability Data
Near Term Activities:

- Website completion
- Fabric Mapping Challenge
- Establish weekly outreach meetings
  - 1. Use and Adoption
  - 2. Technical

Longer Term Activities:

- Facilitate and Work with Tribes, Villages, Communities, Industry, Regional Corporations, AFN, AML and others to develop
  - 1. Digital Equity Plan
  - 2. Workforce Development Plan
  - 3. Network Design
  - 4. Integration of Network Design with other infrastructure initiatives
Thank You

The Alaska Broadband Office

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Questions?