

Alaska Broadband Task Force

As of 6/30/2011

Goal:

To extend the full benefits of broadband technology to every Alaskan

Purpose:

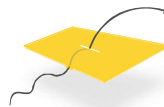
To make it possible for every Alaskan to participate and be competitive in the global community

Vision:

By 2020, every Alaskan has 100 mbps broadband connectivity

Performance Measures

- Download speed: Target 100 mbps
- Upload speed: Target 100 mbps
- Latency: Transmission delay from source of data to destination of data. Target: 20 milliseconds
- User cost: To be Determined
- Reach: Total market served. Homes/organizations passed. Target: 100%
- Technologically sustainable:
 - Adoption: % of potential homes/organizations connected. Target: 95%
 - Reliability: % of time connection to internet is available. Target: 99.99%
 - Usage: % of school age and adult population using the service. Target: 100%
 - Impact assessment (difference it has made in people's lives, e.g. healthcare, education, commerce, entertainment). Principally to be determined by qualitative survey of users to be supplemented by the following:
 - e-government: PFD applications, MyAlaska.gov for licenses etc.
 - e-emergency: public safety, emergency response, disaster management, public health
 - Business licenses issued to rural Alaska
 - Telemedicine: - (to be refined. Input from Stevi Morton)
 - Use of on-line education – enrollment in on-line courses



Policy:

Core Values:

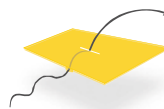
- Empower every Alaskan to take advantage of broadband
- Consider the impact on all Alaskans
- Proactively and innovatively address future challenges
- Demonstrate competency and expertise in everything that we do
- Collaborate to achieve win-win solutions

Other:

- Consider prioritization of use and technology to facilitate intelligent expanded bandwidth (2)
- Should this be linked to FCC national broadband plan?
- Economically sustainable/economically viable: Operating margins after subsidy creates sustainable business case. Target: Usage and margins result in sustainable business case over 20 years.

Challenges to Achieving Overall Goal

- Political support for broadband relative to other priorities for Alaskans
- Cost of deployment
- Uncertainty of regulatory environment
- Cost of sustainability
- Education of users
- Uncertain future of a number of villages
- Implementation, agreeing on entity to lead and manage plan
- Understanding the consequences of deployment



Strategies

Task Force Groups

Each is expected to continue to network for opportunities, collaborators, information on new technologies, etc.

Benefits

Group 1:

- Regional, national and global competitiveness
- Commerce needs and opportunities, incl. private education
- Healthcare needs and opportunities - economics

Members: Stevi Morton, Mike Baker, Bill Popp, Robbie Graham, Maureen Moore, Karl Kowalski

Chair:

Group 2:

- Government services needs and opportunities, e-government and facilitation of government functioning
- Public safety needs and opportunities
- Educational needs and opportunities, K thru post-secondary
- Healthcare needs and opportunities – services
- Broadband adoption, education and outreach

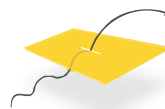
Members: Stevi Morton, Myron Naneng, Joe Davis, Jeff Tucker, Bob Wicker, Mike Robinson

Chair:

Technical

- Costs, feasibility, affordability, timetable and funding sources for build and operations, examination of solutions, e.g. ArcticLink, Terra NW
- Current systems and infrastructure status, esp. middle-mile
- Preparation of draft middle and last mile technical solutions and recommendations

Members: Renee Johnson, Mike Todd, Dave Goggins, Chris Brown, Rep. Herron, Larry Bell



Chair:

Regulatory

- Federal and potentially State regulatory issues; policy research and analysis

Members: Robbie Graham, Dave Goggins, Rich Gazaway, Sen. Paskvan, John Boucher

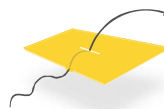
Chair: Jim Kohler,

Charge to Groups:

- A. Define research needs – due Aug. 1. Work with State and Connect Alaska to define so as to facilitate approval of RFP at August meeting.
- B. Define work plan/schedule – due

Data Needed:

- Consider research on the relative priority of broadband to Alaskans
- Global peer comparison user cost
- Qualitative baseline data from surveys re. usage and impact- being gathered
- Updated ConnectAlaska data, map- being developed
- Baseline data on on-line course use at Alaska educational institutions -
- Baseline data on e-government – to be gathered
- Baseline data on annual business license applications in rural Alaska
- Estimated costs to build and operate network
- Presentation on regulatory environment (Jim Kohler) - done
- Overview of ConnectAlaska planning budget and scope of work - done
- Task Force planning budget and governance - done
- Provider presentations on current network, future plans, technology trends – scheduled for next meeting
- Presentation from global perspective on broadband trends – competitiveness, infrastructure spend, benefits to Alaska of competitive broadband availability, job creation
- Analysis of governmental funding environment (Renee Johnson, ConnectAlaska on



USF reform, Alaska State office in D.C. - needed

- Data on relative importance of broadband access – see above on benefits

Task Force Budget - \$480k

For period thru 9/30/12

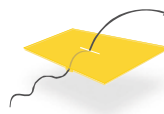
Summit - \$40k

Meeting Expenses - \$30

Research and Professional Services - \$250

Misc. - \$50

Not programmed - \$110k



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