



**Broadband Non-Infrastructure Application
Submission to NTIA – Sustainable Broadband Adoption**

Submitted Date: 3/15/2010 1:02:43 PM	Easygrants ID: 6396
Funding Opportunity: Sustainable Broadband Adoption	Applicant Organization: UNIVERSITY OF ALASKA FAIRBANKS
Task: Submit Application - Sustainable Broadband Adoption	Applicant Name: Mr. Andrew Parkerson-Gray

Table of Contents

- A. General Application Information**
- B. Executive Summary, Project Purpose, and Benefits**
- C. Partners**
- D. Congressional Districts**
- E. Community Anchor Summary**
- F. Demographics**
- G. Project Budget**
- H. Historical Financials**
- I. Program Benefits**
- J. Project Readiness**
- K. Environmental Questionnaire**
- L. Uploads**



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A. General Application Information

1. Applicant Information	
Name and Federal ID for Applicant	
DUNS Number	615245164
CCR # (CAGE)	3R2B4
Legal Business Name	UNIVERSITY OF ALASKA FAIRBANKS
Point of Contact (POC)	MAREN BOYACK 9074746073 Ext. moboyack@alaska.edu
Alternate POC	MAGGIE GRISCAVAGE 9074747301 Ext. gmgriscavage@alaska.edu
Electronic Business POC	MAGGIE GRISCAVAGE 9074746446 Ext. gmgriscavage@alaska.edu
Alternate Electronic Business POC	MAREN BOYACK 9074746073 Ext. fmmow@uaf.edu

2. Name and Contact Information of Person to be Contacted on Matters Involving this Application:	
Prefix	Mr.
First Name	Andrew
Middle Name	
Last Name	Parkerson-Gray



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Suffix	
Telephone Number	907-474-6000
Fax Number	907-474-5444
Email	fyosp@uaf.edu
Title	Director, Office of Sponsored Programs

3. Additional Contact Information of Person to be Contacted on Matters Involving this Application:

Project Role	Name	Phone	Email
Secondary Point of Contact	Mr. Steve L, Smith	9074508389	steve.smith@alaska.edu

4. Other Required Identification Numbers

Easygrants ID	6396
Funding Opportunity Number	500001
Catalog of Federal Domestic Assistance Number	BTOP CFDA Number: 11.557 BTOP CFDA Title: Broadband Technology Opportunities Program

5. Organization Classification

Type of Organization	Non-profit Institution
Is the organization a small business?	No
Does the organization meet the definition of a socially and economically disadvantaged small business concern?	No

6. Authorized Organizational Representative



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AOR	GRISCAVAGE, MAGGIE
Result	Applicant Authorized

7. Project Title and Project Description

Project Title: Bridging the e-Skills Gap in Alaska

Project Description: This project brings together 21 partner organizations to create a coordinated framework for technology literacy across Alaska generating up to 88,000 new broadband users and providing training to over 84,000 Alaskans. The project focuses on building local broadband capacity in rural, isolated communities and villages and will create 88 new jobs in health care, education, and technology assistance.

8. Other Applications

Is this application being submitted in coordination with any other application being submitted during this round of funding?

➤ Yes

Easygrants ID	Project Title
6402	Enhancing Alaska's Rural Community Computing Centers

If YES, please explain any synergies and/or dependencies between this project and any other applications.

The Bridging the e-Skills Gap SBA project will have a synergistic effect on two previously funded RUS infrastructure projects and at least four BTOP Round 2 proposals. This SBA proposal is tied closely to the Enhancing Alaska's Rural Community Computing Centers public computing center application submitted by the University of Alaska (ID #6402). That proposal brings together 12 partners to create public computing centers at 29 anchor institutions including six community colleges, eleven rural health clinics, Ilisagvik Tribal College, nine rural community centers, and two tribal government facilities. This proposal will provide a coordinated framework for the delivery of content within the PCCs from education, health care, tribal government, and social service agencies and providers.



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Three of the Round 2 infrastructure projects in Alaska propose to bring broadband to the communities served by the anchor institutions in this project. The Kodiak Kenai Cable Company proposal, Broadband for the Arctic (ID #4581) will bring fiber-based submarine and terrestrial fiber optic network to western and northern Alaska; the university community campuses, village health clinics, and rural community centers in the PCC proposal will provide points of access through public computing centers where the fiber optic broadband capacity terminates. Kodiak Kenai Cable Company, Alaska Communications Systems, and GCI have provided letters of support for this project in recognition of the greater benefit that will result for Alaska residents by funding compatible projects that together provide a comprehensive solution to the lack of broadband technology in our state.

This proposal is particularly important for the southwestern and western Alaska communities who will for the first time have broadband services available to them as a result of ARRA RUS project funded in BTOP Round 1. The United Utilities TERRA:SW project is bringing terrestrial broadband service to 65 unserved communities in the Yukon-Kuskokwim Delta, and the Rivada Sea Lion Southwestern Alaska Broadband Rural Expansion last mile remote project is bringing service to residents in the Bristol Bay region of southwest Alaska.

Synergy creates benefit greater than any single partner or initiative. The twelve community college, health care, and community and tribal partners in this proposal believe that synergy exists between the funded and proposed infrastructure projects and this proposal. As broadband infrastructure is built to target communities, the need and demand for content, applications, training and instruction, and public access will all increase, and can be addressed through the strategic framework and activities proposed in this SBA proposal and the companion Enhancing Alaska's Rural Community Computing Centers PCC proposal.

9. Is the Applicant exempt from the Department of Commerce requirements regarding individual background screening in connection with any award resulting from this Application?

- Yes, Applicant is exempt because it is an accredited college or university

If the answer to the above question is "No," please identify each key individual associated with the Applicant who would be required to complete Form CD-346, "Applicant for Funding Assistance," in connection with any award resulting from this Application:

Name	Title	Employer
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B. Executive Summary, Project Purpose and Benefits

Essay Question

10. Executive Summary of the proposed project:

Many industry experts agree that when it comes to broadband access and subsequent adoption, Alaska residents are possibly the most unserved and underserved population in the U.S. Statistics compiled by Leichtman Research Group (2007) indicated a 9.2% digital broadband service penetration in Alaska – the lowest of all 50 states. Alaska’s rural areas are for the most part limited to satellite connectivity. There are only a few areas in rural Alaska with any terrestrial microwave distribution systems; they deploy broadband services across limited areas. The Regulatory Commission of Alaska Broadband Inventory (Jan. 2007) showed 47/341 small, rural communities with no broadband or even local dialup service. The vast majority of the 294 communities with Internet availability receive a signal at or below 256kbps.

Paradoxically, given the conditions just described, many public-serving agencies and institutions in Alaska have content already prepared for broadband delivery, but not the internal capacity to promote its use. Users become frustrated when content that is media-rich is incompletely downloaded or interrupted during transmission in the current environment. Project partners have also discovered that consumers and end-users may be unaware of the content and/or have limited information literacy skills to use it. Not all content is intuitive or friendly to end users, particularly new users. In addition, many agencies have spent valuable resources creating content that is duplicative of existing materials. There are few opportunities in rural Alaska for non-traditional audiences (i.e. those not in school or with a job requiring technology use) to “try out” personal computing equipment or become acquainted with broadband resources. Further, most communities do not have individuals trained to meet local information technology needs; if a new user becomes frustrated with the experience there is no one to turn to locally for help.

This project to Bridge the e-Skills Gap in Alaska is an innovative proposal by a powerful multi-sector group of partners from the education, health care, early childhood, social services,



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government, and public safety sectors to create a strategic coordinated framework to promote technology literacy and training to vulnerable and hard to reach populations in rural Alaska. The activities proposed here represent a systemic and coordinated approach to broadband adoption for Alaska. The project activities will lead to sustainable adoption of publicly available broadband content by a wide spectrum of end-users across Alaska and increased use of technology best practices by the project partners. Project partners include the Alaska Coast Guard Tribal Liaison Office, Alaska Injury Prevention Center, Alaska Library Network and Digital Pipeline, Alaska Military Entrance Office, Alaska Native Tribal Health Consortium, Alaska State Hospital and Nursing Home Association, Alaska Rural Telehealth Network, Alaska Teacher Placement and Alaska Statewide Mentor Program, Alaska Vocational Technical Center, Alaska Department of Labor, Alaska Workforce Investment Board, Best Beginnings, Barrow Arctic Science Consortium, Center for Alaska Native Health Research, Alaska Department of Education and Early Development, Alaska Department of Natural Resources, Family Centered Services of Alaska, Iisagvik Tribal College, KACN-TV, Rural Alaska Community Action Program, Inc., and University of Alaska Office of Information Technology (lead partner and grant applicant).

The Bridging the e-Skills Gap in Alaska project has 4 primary goals, consistent with the BTOP statutory purpose:

- To create digital literacy among Alaskans by leveraging the 29 anchor institution PCCs and broadband content of statewide interest and applicability.
- To stimulate job creation by training a cadre of 80 local rural residents with information technology software and hardware skills of immediate use to new broadband technology users in the community, and with employability value to training participants.
- To encourage technology use among underserved audiences across Alaska with a broadband awareness program using print, radio and electronic media that includes a wide spectrum of topics to encourage broadband use, and through an innovative computer device loan program.
- To create a statewide Multi-Sector Digital Inclusion Council, operating under the Alaska Distance Education Consortium (AkDEC) housed at the University of Alaska, as a forum for the discussion and sharing of best practices and the elimination of redundancy through sharing of partner-developed content.

This project is ambitious because of its scope; it extends the capabilities and usefulness of 29 rural PCCs to be created at anchor institutions that together serve over 150,000 Alaska residents.



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The 21 SBA partner institutions, agencies, and businesses expect this project to reach across Alaska, generating up to 88,000 new broadband users in the next three years and providing an average of 4 hours of training to over 84,000 Alaskans, including school-age children, professional adults, unemployed adults, and senior citizens. Potential new users were counted carefully to avoid duplicate counts, i.e. new professional users specifically include health aides and nurses, teachers, and school administrators. New adult users in the total count include the unemployed and senior citizens. This project will result in the creation of 76 new jobs, calculated using the Council of Economic Advisors formula.

This project proposes some creative strategies for reaching Alaska's diverse and dispersed residents. Video conferencing technology, live electronic discussions, and web archiving of content for asynchronous retrieval will all be used. Much of the training is local job capacity building – Village IT support, TeleHealth coordinators, continuing education for educators and other professionals, and work skill readiness as a tool for addressing unemployment and poverty. 32% of the project budget represents training costs with an average per person cost for broadband awareness or broadband-assisted training of just \$51. This is a phenomenal demonstration of the value of broadband for precipitating change in Alaska: Currently, most training occurs in a hub community and regularly tops \$1,000 per person for travel alone. The project partners themselves intend to use broadband technology for project management.

The budget includes resources for a practical approach to introducing end-users to broadband technology for personal use by purchasing relatively inexpensive mobile devices that can be loaned to users. The total cost of the mobile broadband equipment is \$601,889. - a per unit cost of \$946.

The costs to achieve the objectives of this proposal are very reasonable given its statewide scope. The total project budget is \$6,967,284. The 21 project partners are providing a 34.7% match, \$2,422,738. The cash match is \$180,000 with the rest of the match as in-kind contributions directly attributable to this project. Notably, 34% of the match was contributed by the media partner for radio and TV time as well as print advertisement purchase for the awareness campaign.

The Alaska Distance Education Consortium (AkDEC) is the ideal sponsor for this statewide initiative. Housed at the University of Alaska, under the statewide Office of Information



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Technology, the consortium has a successful 10 year history of coordinating statewide technology initiatives and services.

11. Project purpose:

This project will provide broadband education, training, access, equipment, and support to key partners and vulnerable populations. The awareness campaign builds on best practices for engaging previously unserved groups. When it comes to broadband access and subsequent adoption, Alaska residents are possibly the most unserved and underserved population in the U.S. Alaska's rural areas are for the most part limited to satellite connectivity. If broadband infrastructure access and expansion are fundamental to economic development efforts in a global economy, Alaska's rural areas are among the neediest of broadband infrastructure funding.

Key barriers to broadband access in Alaska are geographic and economic. Alaska's communities and population are widely disbursed. Most of Alaska's communities are only accessible by air or water, not a via road system. Alaska communities off the state road system have telecommunication costs that are up to 20% higher than in urban areas, largely due to the cost of satellite circuits, dishes, and equipment maintenance under some unusually harsh weather conditions. The project plans for use of wireless 3G devices and air cards to quickly generate adoption of broadband in some last-mile communities.

The poverty level in rural Alaska is climbing at a steep rate. All but one of Alaska's rural census areas has an unemployment rate higher than the state or national average. The January 2010 unemployment rate in Alaska ranged from 8.3% in Anchorage (the most urban hub in the state) to over 28% in the Hoonah-Angoon census area. Affordability of broadband service is a major challenge to adoption and use in rural Alaska. High costs for fuel, electricity, and water and sewer service, combined with limited cash incomes, make it difficult for many rural Alaskans to afford their current fuel and utility bills. Adding another monthly bill for individual broadband service is simply not practical at any cost for many rural Alaskans.

This project and the coordinated public computing center proposal address these issues by providing public broadband access through PCCs located in community colleges, community centers, libraries, health clinics, tribal offices, and other public facilities. This project plans for the use of wireless 3G devices and air cards to quickly generate adoption of broadband in some last-mile communities, along with a loaner program for the devices managed by the project partners.



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Other needs addressed through the project include:

Routine and emergency medical care – by expanding videoconferencing capability in rural health clinics, health aides will be able to connect quickly with a specialist in Anchorage to manage patient needs.

Continuing education training – The annual turnover for teachers and health care professionals tops 30% in some areas partly due to lack of continuing education options. Health clinics will receive additional videoconferencing equipment so that training doesn't compete with patient needs. Early childhood and K-12 educators will have access to training delivered via broadband, eliminating the need for costly travel.

Expansion of the AK20 Digital Pipeline – Connection of the AK20 routers to broadband infrastructure will allow Alaska audiences to engage with Arctic researchers, a resource of particular use to schools.

Training and job/career preparation – With high rates of unemployment and poverty, rural residents need access to both training and job opportunities. This project provides both. Up to 80 individuals will be trained as Village Internet Agents, to respond to local hardware and software needs as broadband becomes accessible. Other training to be provided via broadband includes a TeleHealth Coordinator Certification program, expansion of the APU Health Professional MBA program to rural audiences and industry training programs offered through Ilisagvik College. The project will increase access and use of the ASVAB, Alaska Career Ready, WorkKeys, and test preparation materials (SAT, ACT, etc.) by rural residents.

K-12 Education support – Many rural Alaska school districts are facing No Child Left Behind sanctions because of low student achievement. Use of the Alaska Department of Education e-learning modules for student test preparation and AYP resources for schools will be increased. The Alaska State Library has an online Homework Help Line that will be expanded to rural audiences. The Alaska Commission on Postsecondary Education will provide staff and resources to help high school students prepare for college.

Resources of public interest – Alaska has the highest rates of Fetal Alcohol Syndrome and Fetal Alcohol Effect in the nation. Alaska has a higher than average accident rate for children. Alaska Natives have the highest suicide rate in the state (46%), with males age 15-19 at the greatest risk. A pervasive health concern for Alaska Natives is diabetes. State agencies and university partners



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have information of use to families related to fetal alcohol syndrome, public safety, suicide, diabetes, and local and tribal government and issues.

Project activities advance the BTOP statutory purposes to provide broadband education, awareness, training, access, equipment, and support to community anchor institutions, job creating strategic facilities, and vulnerable populations and stimulate demand for broadband. The project timeline is coordinated with anticipated infrastructure availability.

12. Recovery Act and Other Governmental Collaboration:

This SBA proposal provides collaboration points with several other government funded programs: Maniilaq Association, Alaska Rural Telehealth Network, and the Alaska Native Tribal Health Consortium all participate in federal health care programs. The Alaska Department of Labor has received ARRA funds to create a database for tracking unemployment, Barrow Arctic Science Consortium does NASA sponsored research of international interest, and Alaska Department of Education receives federal funds from No Child Left Behind.

13. Technology Strategy:

The physical office for the project management team will be on the UAF campus, in Fairbanks. The project management can be handled effectively by a full-time team of 3 individuals: the Project Director, an Instructional Design Technology expert, and an Administrative Assistant.

The Project Director will ensure that partners honor the commitment they made to the project and will have responsibility for managing partner relationships. The PD will liaise between the project and university leadership, including the Office of Information Technology. The PD will solicit new partners and facilitate monthly video conferences with partners. Video conferencing was selected for ongoing partner meetings by design. It allows the project leadership and partners with video conferencing expertise to model successful strategies for other partners. Video conferencing is also more cost effective than face-to-face meetings in Alaska, so this is a good use of resources. The monthly meetings will be recorded and stored on the project website along with meeting notes, for asynchronous playback by partners who miss a meeting. Partners will supply quarterly reports to the PD that include the data needed for ARRA and BTOP reporting; it will be the job of the PD to monitor data collection for accuracy and completeness, and to use the data to demonstrate that goals are met.



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The Instructional Design Technology (IT) expert will establish and maintain a working relationship with the IT designers employed by the project partners. The IT expert will bring innovation in web content design to the IT group, providing expertise for adding Web 2.0 features to content as infrastructure supports it. He will also facilitate adaptability of material for use on mobile devices. The IT expert will facilitate adoption of a common set of standards for broadband content design based on best practices. An important role of the IT expert will be to conduct voluntary web content audits as a service to project partners, based on web code standards, and best practice in accessibility and overall design. The IT expert will design the project website, making it an example of best practice.

The full-time Administrative Assistant (AA) will manage all equipment and supply orders, any travel, and maintain the videoconferencing schedule. This individual will oversee the daily operation of the project office, and greet callers and visitors. Under the supervision of the IT expert, the AA will make revisions and changes to the website as requested. The AA will be the project liaison for the mobile device loaner program. The UAA/APU Consortium Library will manage the mobile device loaner program and work with the partner group to identify target audiences and locations for awareness messaging.

14. Innovative Approach:

Many of the rural areas touched by this project are reliant on satellite delivery of broadband service. By planning for the use of small, inexpensive mobile broadband devices, more end users can become familiar with the possibilities of the technology quickly as additional infrastructure is built. Research indicates that broader adoption will occur when individuals can see immediate and practical uses for the technology. KACN will loan video camera equipment upon request to “citizen journalists” and broadcast usable and interesting material for local and broader audiences. Broadcast editors at KACN are students in a job training program, learning not only broadcast skills but from the content they are producing.

This project aims to create digital literacy among an audience with a historical oral language tradition. Use of broadband technology for social networking will be encouraged to generate enthusiasm for the new technology. Additionally, a cultural storyteller will be contracted to create introductory messaging via some community meetings that can be videotaped and replayed to other audiences. Many Native elders are concerned about preserving the local cultural heritage, creating an opportunity for historians to introduce technology and Elders to see their stories saved and shared. The awareness campaign will feature local residents in



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programming to promote broadband use. Cost will likely be an inhibitor or barrier to broadband adoption for some Alaskans; an innovative “Net Flicks” style check out system for mobile devices and air cards will help ensure equitable opportunity to benefit from broadband adoption.

15. Is the applicant is seeking a waiver of the Buy American provision pursuant to section x.Q of the NOFA?

- No

16. Is the applicant delinquent on any federal debt?

- No

If Yes, justification for delinquency:

- .

17. Are you seeking a waiver of any requirement set forth in the NOFA that is not mandated by statute or applicable law?

- No

C. Partners

18. Are you partnering with any other key institutions, organizations, or other entities for this project?

- Yes

If YES, key partners are listed below:

Project Role: Sub-recipient Name: Casto, Joel Email: Joel.M.Cast@uscg.mil Address 1: PO Box 25517 Address 2: Address 3: City: Juneau State: Alaska Zip Code: 99802 Organization: Alaska Coast Guard and Auxiliary Organization Type: Other Small business: No
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Socially and economically disadvantaged small business concern: No

Project Role: Sub-recipient
Name: Howell, Marcia
Email: [REDACTED]
Address 1: [REDACTED]
Address 2:
Address 3:
City: Anchorage
State: Alaska
Zip Code: 99507
Organization: Alaska Injury Prevention Center
Organization Type: Non-profit Corporation
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Sub-recipient
Name: Rollins, Steve
Email: ansjr3@uaa.alaska.edu
Address 1: 3211 Providence Drive
Address 2:
Address 3:
City: Anchorage
State: Alaska
Zip Code: 99508
Organization: Alaska Library Network and Digital Pipeline
Organization Type: Other
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Sub-recipient
Name: Jones, John
Email: john.p.jones@mepcom.army.mil
Address 1: 6930 Sand Lake Road
Address 2:
Address 3:
City: Anchorage
State: Alaska
Zip Code: 99502
Organization: Alaska Military Entrance Education Services
Organization Type: Other
Small business: No



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Socially and economically disadvantaged small business concern: No

Project Role: Sub-recipient
 Name: Ferguson, Stewart
 Email: SFerguson@AFHCAN.org
 Address 1: 4000 Ambassador Drive, Room 332
 Address 2:
 Address 3:
 City: Anchorage
 State: Alaska
 Zip Code: 99508
 Organization: Alaska Native Tribal Health Consortium
 Organization Type: Non-profit Corporation
 Small business: No
 Socially and economically disadvantaged small business concern: No

Project Role: Sub-recipient
 Name: Lehman, Dale
 Email: dlehman@alaskapacific.edu
 Address 1: 4101 University Drive
 Address 2:
 Address 3:
 City: Anchorage
 State: Alaska
 Zip Code: 99508
 Organization: Alaska Pacific University
 Organization Type: Other
 Small business: No
 Socially and economically disadvantaged small business concern: No

Project Role: Sub-recipient
 Name: Burns, Randall
 Email: randall@ashnha.com
 Address 1: 943 West Sixth Avenue, Suite 120
 Address 2:
 Address 3:
 City: Anchorage
 State: Alaska
 Zip Code: 99501-2033
 Organization: Alaska State Hospital & Nursing Home Association, Alaska Rural Telehealth Network (ASHNHA/ARTN)
 Organization Type: State or State Agency



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Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Sub-recipient
Name: Maples, Diane
Email: andsm@uaa.alaska.edu
Address 1: 3211 Providence Dr. UC130
Address 2:
Address 3:
City: Anchorage
State: Alaska
Zip Code: 99508
Organization: Alaska State Tech Prep
Organization Type: State or State Agency
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Sub-recipient
Name: Hill, Melissa
Email: melissa.hill@alaska.edu
Address 1: PO Box 755400
Address 2:
Address 3:
City: Fairbanks
State: Alaska
Zip Code: 99775-5400
Organization: Alaska Teacher Placement
Organization Type: State or State Agency
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Sub-recipient
Name: Esposito, Fred
Email: fred.esposito@alaska.gov
Address 1: PO Box 889
Address 2:
Address 3:
City: Seward
State: Alaska
Zip Code: 99664-0889
Organization: Alaska Vocational Technical Center; Department of Labor
Organization Type: State or State Agency



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Small business: No
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Project Role: Sub-recipient
Name: Cashen, Greg
Email: Greg.Cashen@alaska.gov
Address 1: 1016 West 6th Avenue, Suite 105
Address 2:
Address 3:
City: Anchorage
State: Alaska
Zip Code: 99501
Organization: Alaska Workforce Investment Board
Organization Type: State or State Agency
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Sub-recipient
Name: Hensley, Abby
Email: ahensley@akhf.org
Address 1: 3350 Commercial Drice, #104A
Address 2:
Address 3:
City: Anchorage
State: Alaska
Zip Code: 99501
Organization: Best Beginnings
Organization Type: Non-profit Corporation
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Sub-recipient
Name: Sheehan, Gleen
Email: basc@arcticscience.org
Address 1: 124 BASC Road
Address 2:
Address 3:
City: Barrow
State: Alaska
Zip Code: 99723
Organization: Barrow Arctic Science Consortium
Organization Type: Non-profit Corporation



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Funding Opportunity: Sustainable Broadband Adoption	Applicant Organization: UNIVERSITY OF ALASKA FAIRBANKS
Task: Submit Application - Sustainable Broadband Adoption	Applicant Name: Mr. Andrew Parkerson-Gray

Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Sub-recipient
Name: Allen, Jim
Email: jim.allen@uaf.edu
Address 1: PO Box 757000
Address 2:
Address 3:
City: Fairbanks
State: Alaska
Zip Code: 99775-7000
Organization: Center for Alaska Native Health Research
Organization Type: Other
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Sub-recipient
Name: Utter, Jim
Email: jutter@alaska.net
Address 1: PO Box 140090
Address 2:
Address 3:
City: Anchorage
State: Alaska
Zip Code: 99514
Organization: Career Exploration Opportunities
Organization Type: Non-profit Corporation
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Sub-recipient
Name: LeDoux, Larry
Email: larry.ledoux@alaska.gov
Address 1: PO Box 110500
Address 2:
Address 3:
City: Juneau
State: Alaska
Zip Code: 99811-0500
Organization: Department of Education and Early Development
Organization Type: State or State Agency



**Broadband Non-Infrastructure Application
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Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Sub-recipient
Name: Johnson, Jeff
Email: jeff.johnson@alaska.gov
Address 1: 550 West 7th Avenue, Suite 1380
Address 2:
Address 3:
City: Anchorage
State: Alaska
Zip Code: 99501
Organization: Department of Natural Resources; Division of Parks and Outdoor Recreation, Boating Safety
Organization Type: State or State Agency
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Sub-recipient
Name: Regitano, John
Email: fcsgrants@mosquitonet.com
Address 1: 620 Fifth Avenue
Address 2:
Address 3:
City: Fairbanks
State: Alaska
Zip Code: 99701
Organization: Family Centered Services of Alaska
Organization Type: Non-profit Corporation
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Sub-recipient
Name: Beverly, Patkotak
Email: Beverly.grinage@ilisagvik.cc
Address 1: PO Box 749
Address 2:
Address 3:
City: Barrow
State: Alaska
Zip Code: 99723
Organization: Iliasavig Alaska Native Tribal College
Organization Type: Other



**Broadband Non-Infrastructure Application
Submission to NTIA – Sustainable Broadband Adoption**

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Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Sub-recipient
Name: Parrish, Katy
Email: kparrish@kacn.net
Address 1: 4640 Old Seward Highway, Suite 203
Address 2:
Address 3:
City: Anchorage
State: Alaska
Zip Code: 99503
Organization: KACN-TV, Channel One
Organization Type: Other
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Sub-recipient
Name: Morse, Rachel
Email: Rmorse@ruralcap.com
Address 1: PO Box 200908
Address 2:
Address 3:
City: Anchorage
State: Alaska
Zip Code: 99520
Organization: Rural Alaska Community Action Program, Inc.
Organization Type: Non-profit Corporation
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Sub-recipient
Name: Smith, Steve
Email: steve.smith@alaska.edu
Address 1: 910 Yukon Drive, Suite 103
Address 2:
Address 3:
City: Fairbanks
State: Alaska
Zip Code: 99775-5320
Organization: University of Alaska, Office of Information Technology
Organization Type: Other



**Broadband Non-Infrastructure Application
Submission to NTIA – Sustainable Broadband Adoption**

Submitted Date: 3/15/2010 1:02:43 PM	Easygrants ID: 6396
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Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Other
Name: Harvey, Pauline
Email: pharvey1@alaska.edu
Address 1: 604 Third Street
Address 2:
Address 3:
City: Kotzebue
State: Alaska
Zip Code: 99752
Organization: Chukchi Community College
Organization Type: Non-profit Institution
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Other
Name: Geary, Michelle
Email: mgeary@maniilaq.org
Address 1: PO Box 67
Address 2:
Address 3:
City: Buckland
State: Alaska
Zip Code: 99727
Organization: Native Village of Buckland
Organization Type: Indian Tribe
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Other
Name: Clark, Dennis
Email: andwc@uaa.alaska.edu
Address 1: Mile Two Trunk Road
Address 2:
Address 3:
City: Palmer
State: Alaska
Zip Code: 99645
Organization: Mat-Su Community College
Organization Type: Non-profit Institution



**Broadband Non-Infrastructure Application
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Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Other
Name: Swartz, Carol
Email: iykbc1@uaa.alaska.edu
Address 1: 533 E. Pioneer Avenue
Address 2:
Address 3:
City: Homer
State: Alaska
Zip Code: 99603-7624
Organization: Kachemak Bay Community College
Organization Type: Non-profit Institution
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Other
Name: Desorcie, Douglas
Email: vndad@uaa.alaska.edu
Address 1: PO Box 97
Address 2:
Address 3:
City: Valdez
State: Alaska
Zip Code: 99686
Organization: Prince William Sound Community College
Organization Type: Non-profit Institution
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Other
Name: McLean, Deborah
Email: dlmclean@alaska.edu
Address 1: 527 Seward Street
Address 2:
Address 3:
City: Dillingham
State: Alaska
Zip Code: 99567
Organization: Bristol Bay Community College
Organization Type: Non-profit Institution



**Broadband Non-Infrastructure Application
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Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Other
Name: Turner, Gary
Email: ingjt@uaa.alaska.edu
Address 1: 34820 College Drive
Address 2:
Address 3:
City: Soldotna
State: Alaska
Zip Code: 99669
Organization: Kenai Peninsula Community College
Organization Type: Non-profit Institution
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Other
Name: Harrison, Jennifer
Email: jenni@chickaloon.org
Address 1: PO Box 1105
Address 2:
Address 3:
City: Chickaloon
State: Alaska
Zip Code: 99674
Organization: Chickaloon Village
Organization Type: Indian Tribe
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Other
Name: Whiting, Sikauraq
Email: mwhiting@nwabor.org
Address 1: PO Box 1110
Address 2:
Address 3:
City: Kotzebue
State: Alaska
Zip Code: 99752
Organization: Northwest Arctic Borough
Organization Type: City or Township Government



**Broadband Non-Infrastructure Application
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Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Other
Name: Smith, Eugene
Email: esmith@maillaq.org
Address 1: PO Box 43
Address 2:
Address 3:
City: Kotzebue
State: Alaska
Zip Code: 99752
Organization: Maniilaq Association
Organization Type: Non-profit Corporation
Small business: No
Socially and economically disadvantaged small business concern: No

19. Description of the involvement of the partners listed above in the project.

There are a total of 21 partners contributing training, broadband content, and resources to this project. This proposal is coordinated with the Enhancing Alaska's Rural Community Computing Centers which brings together 12 partners to create public computing centers at 29 anchor institutions including six community colleges, eleven rural health clinics, Iisagvik Tribal College, nine rural community centers, and two tribal government facilities. The anchor institutions will provide a venue for SBA partners to promote the development of technology literacy. All of the partners listed below have an interest in expanding the audience for their message and/or services. All have expressed a commitment to work together to share resources and develop efficiencies that benefit end users and providers.

Alaska Department of Labor and Alaska Workforce Investment Board: Has employment training programs and online job search resources to extend to a wider population. Individuals can take the WorkKeys assessments online to determine employment readiness.

Alaska Native Tribal Health Consortium: Will offer TeleHealth certificate training to rural Community Health Aides as part of a network of 39 organizations and health clinics. Has an intended audience of 1,100 healthcare providers in the state. Will also share best practices in use



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of video teleconferencing with other partners and will extend its health education resources into rural schools for classroom instruction. ANTHC is providing \$198,000 in kind to the project.

Alaska State Hospital and Nursing Home Association: Will provide broadcast infrastructure for the project and share public access to health related materials on a monthly basis, through the PCCs. Also provides training to 800 health care professionals across the state and is providing \$66,000 in kind to the project.

KACN-TV: Will provide all of the media expertise for the outreach and awareness campaigns for both SBA and PCC proposals. KACN broadcasts statewide to 140,000 households; Contributing \$732,075 in-kind to the project.

Rural Alaska Community Action Program: Offers a variety of community programs of interest to rural residents, especially the Parents as Teachers early childhood program.

University of Alaska OIT: Project management, technology learning guides, and help desk support to partners.

Family Centered Services of Alaska: Operates residential treatment centers for 100 youth; provides video conferencing and internet connection between residents and families and offers a certificate program to teachers and aides. Is providing \$450,000 in kind to the project.

Department of Natural Resources Division of Parks and Outdoor Recreation: Will offer online boating safety exams and certification, and cold weather survival information via broadband to reach 102,000 residents.

Alaska Department of Education and Early Development: Plans to develop e-Learning modules mapped to state student standards and outcomes to help students pass the High School Graduation Qualifying Exam; target audience is 12,044 students, 4,000 teachers, and 2,000 paraprofessionals.

Communities in Schools: has a Career Exploration Opportunities program targeted specifically at rural high school students.



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Center for Alaska Native Health Research: Is studying obesity and its relationship to diabetes and heart disease among Alaska Natives and would like to reach 5,000 youth and young adults with its health messages.

Alaska Pacific University: Is developing an Executive MBA program in Communication Technology targeted at health professionals in rural Alaska. APU expects to reach 60 individuals with the new program.

Alaska Commission on Postsecondary Education: works under a directive from the state legislature to promote access to and success in education and career training after high school. The Commission will expand its College/Career Guide program to provide more resources to rural students. ACPE will utilize and expand use of the Alaska Career Information System to students and families. Currently this web-based career-planning resource is used in 274 of the 507 schools in Alaska. The program is contributing \$166,866 to this project.

Alaska Vocational Technical Center (AVTEC): Will offer a distance delivered IT training program to include industry certifications IC3, A+, Net+, and CIW. AVTEC is an approved testing provider for all of these certificates; AVTEC will recruit and train 80 Village Internet Agents over the course of the project.

Alaska Teacher Placement is the portal through which many teachers new to Alaska find jobs, especially in rural Alaska. ATP provides recruiting services to all 53 school districts in Alaska and to over 5,000 educators through interactive web tools, a job bank, and job fairs. ATP also sponsors 50 Future Educator Clubs in 18 partner school districts. ATP is contributing \$75,000 in kind to this project.

Barrow Arctic Science Consortium (BASC) produces weekly outreach programs and an Arctic Science Series broadcast via broadband technology across the world. BASC has a current subscribership of 250,000 web viewers. Through this project, BASC will increase the quality and number of educational materials produced. BASC is contributing a cash match of \$180,000 to this project.

Alaska Library Network and Digital Pipeline utilizes broadband technology to provide a range of information services across Alaska. Their services include access to over 10,000 journals and 100 newspapers. This program will expand to include online practice exams for professional



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exams such as State Trooper qualifying exam, Probation Officer exam, Praxis, and the Postal Worker exam. The Digital Pipeline Program offers a Live Homework Help Line and will also offer online tutoring sessions for students in grades 4-12. They expect to reach an audience of 109,000 Alaskans. The Library Network is contributing \$412,000 to this project.

D. Congressional Districts

20. Applicant Headquarters

- Alaska

21. Project Service States

Alaska

22. Project Service Areas

Alaska - At-Large

23. Will any portion of your proposed project serve federally recognized tribal entities?

- Yes

24. Indicate each federally recognized tribal entity your proposed project will serve.

Chickaloon Native Village

Native Village of Buckland (IRA)

Native Village of Barrow

Native Village of Deering (IRA)

Native Village of Kiana

Native Village of Kivalina (IRA)



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Native Village of Kotzebue (IRA)

Native Village of Noatak (IRA)

Native Village of Shungnak (IRA)

Native Village of Ambler

Kobuk Traditional Council

Noorvik Native Community (IRA)

Selawik IRA Council

Akiachak Native Community (IRA)

Akiak Native Community (IRA)

Algaaciq Native Village

Atqasuk Village

Chevak Native Village

Chuloonawick Native Village

Emmonak Village

Inupiat Community of Arctic Slope

Iqurmiut Traditional Council

Kaktovik Village

Native Village of Kasigluk

Native Village of Chuathbaluk

Native Village of Eek

Native Village of Georgetown



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Native Village of Goodnews Bay

Native Village of Hamilton

Native Village of Hooper Bay

Native Village of Kipnuk

Native Village of Kwigillingok

Native Village of Kwinhagak (IRA)

Native Village of Marshall

Native Village of Mekoryuk (IRA)

Native Village of Napaimute

Kongiganak Traditional Council

Native Village of Napakiak (IRA)

Native Village of Napaskiak

Nightmute Traditional Council

Native Village of Nuiqsut

Native Village of Nunam Iqua

Native Village of Nunapitchuk (IRA)

Native Village of Paimiut

Native Village of Pitka's Point

Native Village of Point Hope (IRA)

Native Village of Point Lay (IRA)

Scammon Bay Traditional Council



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Tuntutuliak Traditional Council

Tununak IRA Council

Newtok Traditional Council

Nikolai Village

Organized Village of Kwethluk (IRA)

Orutsararmuit Native Council

Oscarville Tribal Council

Pilot Station Traditional Village

Platinum Traditional Village Council

Tuluksak Native Community (IRA)

Umkumiut Native Village

Village of Alakanuk

Village of Anaktuvuk Pass

Village of Aniak

Village of Atmautluak

Village of Bill Moore's Slough

Village of Chefornak

Native Village of Crooked Creek

Village of Kaltag

Village of Kotlik

Village of Lower Kalskag



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Ohogamiut Traditional Council

Village of Red Devil

Village of Stony River

Village of Wainwright

Yupit of Andreafski

Alatna Village

Allakaket Village

Anvik Village

Chalkyitsik Village

Chignik Lake Village

Egegik Village

Ekwok Village

Evansville Village

Healy Lake Village

Holy Cross Village

Hughes Village

Huslia Village Council

Igiugig Village

Ivanof Bay Tribal Council

King Salmon Tribe

Kokhanok Village



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Koyukuk Native Village

Levelock Village

Lime Village Traditional Council

Manley Hot Springs Village

Manokotak Village

Native Village of Aleknagik

Native Village of Brevig Mission

Native Village of Chignik Lagoon

Native Village of Eagle (IRA)

Gambell IRA Council

Native Village of Koyuk (IRA)

Native Village of Minto (IRA)

Native Village of Perryville

Native Village of Port Heiden

Native Village of St. Michael (IRA)

Pilot Point Traditional Council

Ruby Tribal Council

Native Village of Savoonga (IRA)

Native Village of Shaktoolik (IRA)

Native Village of Shishmaref (IRA)

Native Village of Stevens (IRA)



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Tanacross Village Council
Native Village of Tanana (IRA)
Teller Traditional Council
Native Village of Wales (IRA)
Native Village of Tetlin (IRA)
Native Village of White Mountain (IRA)
Nenana Native Association
New Stuyahok Village
Newhalen Village
Nome Eskimo Community
Nondalton Village
Northway Village
Nulato Tribal Council
Organized Village of Grayling (IRA)
Pedro Bay Village Council
Rampart Village
Shageluk Native Village (IRA)
Naknek Native Village
Stebbins Community Association (IRA)
Traditional Village of Togiak
Twin Hills Village Council



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Village of Clarks Point

Village of Dot Lake

Village of Iliamna

Village of Kalskag

25. Have you consulted with each of the federally recognized tribal entities identified above?

No

E. Community Anchor Summary

26. Community Anchor Institution	
Schools (k-12)	504
Libraries	45
Medical and Healthcare Providers	61
Public Safety Entities	3
Community Colleges	6
Public Housing	0
Other Institutions of Higher Education	3
Other Community Support Organization	7
Other Government Facilities	7
TOTAL COMMUNITY ANCHOR INSTITUTIONS	636
27. Minority Serving Institutions	
Historically Black colleges	0



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and Universities	
Tribal Colleges and Universities	1
Alaska Native Serving Institutions	1
Hispanic Serving Institutions	0
Native Hawaiian Serving Institutions	0
TOTAL MINORITY SERVING INSTITUTIONS	2

F. Demographics

28. Will your proposed project be specifically directed to serve vulnerable population groups?

- Yes

If "Yes" which vulnerable population groups will your proposed project serve? Check as many as apply:

Native American or Native Alaskan

English as Second Language (ESL)

Disabled

Low Income

Unemployed

Senior Citizen (55 and over)

Youth

Other:



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29. Vulnerable Populations

Vulnerable populations were identified from U.S. Census data for 2009 and Jan 2010 Unemployment rate data from Alaska Department of Labor and Workforce Development. Many of the partners have specific initiatives or programs that address the indicated vulnerable populations.

Youth: Alaska Coast Guard offers boating safety and survival courses; drowning is one of the major causes of death in young children in Alaska. Alaska Injury Prevention also has programs for youth, especially related to assault and homicide. Alaska Military Entrance, Alaska Commission on Postsecondary Education, Alaska State Tech Prep, AVTEC, and Alaska Department of Education all have programs to offer via broadband for supplemental education and career/post high school guidance.

Disabled: Alaska Injury Prevention Center, Alaska State Hospital and Nursing Association, Maniilaq Association, Alaska Native Tribal Health Consortium, Alaska Department of Education and Early Development, Family Centered Services of Alaska, and Best Beginnings all have educational programs for disabled adults and children, and their caregivers.

Alaska Native: Many of the SBA partners have a specific focus on this population, including the health care, education, social service, and tribal government partners. All plan to offer specific content for this population.

Unemployed and Low income: Alaska Department of Labor, the 6 community college PCCs, Ilisagvik Tribal College, AVTEC, and RuralCAP all have workforce training and carer development programs to offer to this participant group.

Senior citizens: All of the Native health care partners have specific interest and content for this group; so do the Alaska Coast Guard, Alaska Injury Prevention Center, BASC, KACN-TV, RuralCAP, the community colleges and the Division of Parks and Outdoor Recreation.

30. Accessibility

Targeted awareness messages will be created for individuals with disabilities and their caregivers. Targeted messages for this group will be developed in collaboration with the Governor’s Council on Special Education and Disabilities, Special Education Service Agency,



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the State Division of Seniors and Disabilities Services, Stone Soup Group, Disability Law Center, the Alaska Assistive Technology Center and other disability advocacy groups to develop accessible messages for people experiencing hearing, vision and cognitive impairments. Specific messaging will be created to notify residents of the availability of accommodations for blind and visually impaired, and hearing impaired individuals installed in the public computing centers. Print and radio messaging will feature local residents or at least, individuals from the same cultural group and demographic as the intended audience. In communities with public computing centers, the messaging will encourage use of those facilities.

In all of the PCCs, computing and videoconferencing furniture of appropriate height will be available for handicapped users. Student aides will be available to individually assist local handicapped students as needed in academic classes and will be able to interact by interactive videoconferencing using H.264 distance software or the Tandberg video conferencing equipment. Finally, an American Sign Language interpreter can be requested for meetings. A total of 120 handicapped accessible PCs will be purchased. Each public computing center will receive at least one accessible PC-based computer (depending on size of the PCC and handicapped population in the community) with accessibility enhancements:

- text-to-speech software;
- scanner and optical character recognition (OCR) software;
- CCTV to enlarge printed documentation;
- Braille translation software and printer;
- word prediction software;
- hearing protectors;
- alternative keyboards, mini-keyboards, or extended keyboards for users with mobility impairments; and
- speech input software.

All PCC staff will receive training in the use of the assistive technology.

31. Other Languages

Language groups represented by individuals who will be served by project partners include Denaakk'e, an Alaskan Athabascan language spoken in the Koyukon region, Yuk'ip and Cup'ik spoken in western Alaska where there are an estimated 10,000 speakers, Dena'ina, another Athabascan language that may be found in the Cook Inlet region where the Kenai Peninsula and Kachemak Bay PCCs are located, Aluti'iq spoken in the Prince William Sound and Dillingham



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areas where there are about 400 Native speakers. Eyak is another Athabascan language but there is some doubt about whether there are any remaining speakers of the language.

Iisagvik Tribal College serves a population that includes a number of Inupiaq speakers; there are about 3,000 individuals who speak the language in Alaska, mostly over age 40. Iisagvik offers language and culture classes and resources. Many of the Maniilaq health clinic aides are local residents and may be native language speakers, able to assist ESL visitors to the PCCs. All of the project partners routinely work in rural Alaska villages and have identified ways to communicate with non-English speaking clients, including hiring multi-lingual employees, using voice translation of materials, and in some cases print translation (though this is less common and not as many speakers are also readers/writers of Native languages.)

The University of Alaska has on-line language resources of use for working with each of these groups; however the best resources for working with ESL or non-English speaking PCC users will be the PCC staff. Every effort will be made to hire staff who speak the local language so they can assist users of all ages and language abilities.

G. Project Budget

32. Project Budget	
Federal Grant Request	\$4,554,546
Total Match Amount	\$2,422,738
Total Budget	\$6,977,284
Match Percent	34.7%

33. Projects Outside Recommended Funding Range:

- This project falls within the funding range recommended for BTOP proposals by NTIA.

34. Sustainability:

This project is sustainable by achieving dual purposes: developing digital literacy among end users and creating a statewide multi-sector coalition of partners focused on digital content quality. Labor, health care and education content and uses for broadband technology provides



**Broadband Non-Infrastructure Application
Submission to NTIA – Sustainable Broadband Adoption**

Submitted Date: 3/15/2010 1:02:43 PM	Easygrants ID: 6396
Funding Opportunity: Sustainable Broadband Adoption	Applicant Organization: UNIVERSITY OF ALASKA FAIRBANKS
Task: Submit Application - Sustainable Broadband Adoption	Applicant Name: Mr. Andrew Parkerson-Gray

very practical reasons for individuals to adopt broadband technology. The project plan calls for early development of local IT expertise (Village Internet Agents). This is important to sustainable broadband adoption in a rural setting so that individuals have access to a resource for hardware and software issues. It can be disheartening for rural residents to send an item away for service and wait weeks or months for it to be returned. The development of digital literacy is important because just having service does not equate to using it well. This project contains opportunities for individuals to develop all three types of skills associated with digital literacy: 1. Instrumental skill associated with the use of equipment – through access to equipment, individually owned or at public computing centers and with support by trained Village Internet Agents; 2. Structural skill that comes from the opportunity to navigate digital content – this will be encouraged by the project partners and facilitated by the availability of public computing centers; and 3. Strategic use of digital content, with many guided opportunities for individuals to use technology to meet important needs, i.e. access the weather forecast before embarking on a day long snow machine excursion, or consult with a physician in an urban hospital regarding a medical condition. The second means of creating sustainable adoption of the project is through the partner structure. The partnership is housed within the University of Alaska and managed by the Alaska Distance Education Consortium (AKDEC), in operation for 10 years for the purpose of “developing, coordinating, enhancing, and expanding distance education opportunities” in Alaska.” AKDEC is a logical choice for ensuring the sustainability of this statewide initiative and the project-provided services to partners. The project partners recognize that their own content or presentation of it (design or methodology) may hamper its use and adoption. Therefore, partner services include broadband content design audits done by IT design experts, with resources and support for content design improvement to ensure the broadest possible opportunity to reach intended audiences. Another valuable and sustainable partner service is regular meetings to share best practices. Partners have already discovered duplication in content (i.e. job readiness of a general nature) and are willing to sustain the collaboration with others in the hopes reducing their organization costs for new broadband content when others share the same interest. Both the improved quality of broadband content and training in effective delivery will help ensure sustainable adoption by end users.

35. Matching Funds	
Applicant is providing matching funds of at least 20% towards the total eligible project costs?	Yes



**Broadband Non-Infrastructure Application
Submission to NTIA – Sustainable Broadband Adoption**

Submitted Date: 3/15/2010 1:02:43 PM	Easygrants ID: 6396
Funding Opportunity: Sustainable Broadband Adoption	Applicant Organization: UNIVERSITY OF ALASKA FAIRBANKS
Task: Submit Application - Sustainable Broadband Adoption	Applicant Name: Mr. Andrew Parkerson-Gray

Describe the matching contributions	<p>There is a total of \$2,422,737 in matching funds for this proposal, a match of 34.7%. \$2,242,737 of the matching funds are in-kind contributions directly attributable to this project, and \$180,000 is in cash as follows:</p> <p>Alaska Library Network and Digital Pipeline: \$412,000: Includes \$137,333/yr. X 3 yrs. for subscriptions and purchase of electronic materials available to the public through the project.</p> <p>Alaska Native Tribal Health Consortium: \$197,896: This includes \$66,000 annually for AFHCAN staff time as follows: AFHCAN Clinical Director – 10%; Director of Telehealth Program Development – 20%; Lead Telehealth Coordinator – 20%; Visual Communication Administrator – 20%; and Audiovisual and Videoconferencing Support Technician – 20%.</p> <p>Alaska Rural TeleHealth Network: \$66,000: Includes costs to install videoconferencing equipment in 11 rural health clinics, including transportation costs for a technician, at \$6,000 per site for labor and travel X 11 sites = \$66,000.</p> <p>Alaska Statewide Mentor Program: \$75,000: Includes office and meeting space leased by ASMP and provided to the project, up to \$25,000/yr X 3 yrs. = \$75,000.</p> <p>KACN-TV: \$732,075: All air time for television and radio for the awareness campaign will be donated, along with design for print advertising as follows: Production of 6 60 sec. PSAs @ \$500/ea = \$6,000; Airtime for PSAs on Channel 95, \$50 per run; \$400/day, \$146,000/yr X 3 = \$438,000; Airtime for PSAs on GCI Channel 1, \$50 per run, \$600/week, \$31,200/yr X 3 = \$93,600/yr. Print media production: Branding design + \$2,800; 6 print ads == \$1,800; posters, \$750; counter display, \$150; take-away card, \$1,125; rack cards, \$1,500; total print media = \$9,475. Radio air time is donated as follows: Anchorage, \$5,000/wk. X 6 = \$30,000; Fairbanks, \$2,500/wk.</p>
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**Broadband Non-Infrastructure Application
Submission to NTIA – Sustainable Broadband Adoption**

Submitted Date: 3/15/2010 1:02:43 PM	Easygrants ID: 6396
Funding Opportunity: Sustainable Broadband Adoption	Applicant Organization: UNIVERSITY OF ALASKA FAIRBANKS
Task: Submit Application - Sustainable Broadband Adoption	Applicant Name: Mr. Andrew Parkerson-Gray

	<p>X 6 = \$15,000; Juneau, \$1,200/wk. X 6 = \$7,200; and rural, \$12,000/wk. X 6 = \$72,000. Total radio buy = \$124,000. KACN-TV will donate print advertising costs, by trading KACN time to the newspaper companies: Anchorage, \$21,000; Fairbanks, \$13,200; Juneau, \$10,800; and rural, \$19,200; total print media contribution = \$64,000.</p> <p>Family Centered Services of Alaska: \$450,000: Broadband subscription to AlasConnect, 125,000/yr and \$25,000 for computer equipment.</p> <p>University of Alaska, OIT: \$2,500: Represents in-kind for proposal preparation services.</p> <p>Barrow Arctic Research Consortium: \$247,500: Includes \$180,000 cash, and \$22,500/yr X 3 = \$67,500 for science facilities and equipment used to produce the Alaska Science series.</p> <p>Alaska Commission on Postsecondary Education: \$166,866: Includes 40% of Director of Outreach and Early Awareness for AlaskAdvantage Programs plus benefits @37% annually – total of \$121,800 in salary for 3 years, plus \$45,066 in benefits.</p> <p>*Note: there is \$72,900 indirect charges calculated on the total of \$2,349,837 of direct costs.</p>
Unjust enrichment	Neither the University of Alaska as the project applicant, nor the partners named in this proposal are receiving or have requested Federal funds for the non-recurring costs specifically named in this project budget.
Disclosure of federal and/or state funding sources	<p>These project partners disclose that they have received state or federal monies for related activities:</p> <p>Ilisagvik Tribal College: State of Alaska Funding: \$60,000 (Adult Basic Education Tutors grant) assists village outreach workers in teaching basic skills; \$1,000 (Continuing Education Grant) awarded for attendance at the National Conference of Tribal Colleges; \$50,800 (Public Library Assistance Grant); and \$125,992 (Adult Basic</p>



**Broadband Non-Infrastructure Application
Submission to NTIA – Sustainable Broadband Adoption**

Submitted Date: 3/15/2010 1:02:43 PM	Easygrants ID: 6396
Funding Opportunity: Sustainable Broadband Adoption	Applicant Organization: UNIVERSITY OF ALASKA FAIRBANKS
Task: Submit Application - Sustainable Broadband Adoption	Applicant Name: Mr. Andrew Parkerson-Gray

	<p>Education GED) for continuation of GED programs to include staffing. Federal Funding: \$799,989 (HUD) Alaska Native/Native Hawaiian Institutions Assisting Communities Grant; \$800,000 (HUD) Building Economic Stability; \$5,170,557 (Department of Education) Iliisagvik College Addition to Tuzzy Library; \$48,000 (IMLS) Pass-through funding for ASRC for Tuzzy Library to support core services; and \$15,000 (AIHEC) NASA Enrichment Grant to support campus climate change project.</p> <p>Chickaloon Tribal Council has funding from the following federal programs: Indian Health Service, \$47,033; Administration on Aging - \$84,700; Administration on Aging ARRA - \$10,140; Administration on Aging AOA NSIP - \$1,406; and Bureau of Indian Affairs ATG/Social Service - \$24,328.</p> <p>Alaska Tech Prep has a \$350,000 Carl Perkins grant that funds their whole operation.</p> <p>BASC: receives \$20,000 annually from the Marine Biological Laboratory (MBL) at Woods Hole.</p> <p>Alaska State Library: received \$980,000 in Library Services and Technology Act (LSTA) funding this year. The Library also has an active Institute for Museum and Library Services grant application with a budget request of 93,753. Other LSTA funding includes \$83,966 (800# and Backup Reference); \$69,210 (Ready to Read Resource Center), \$31,750 (Public Library Assistance grant); \$13,776 (Net Lender), and \$25,000 (E-rate).</p> <p>ATG/Social Services - \$24,328.</p> <p>Through the eLearning project the Alaska Dept. of Education received the following \$66,000 School Improvement Grant; \$66,000 Special Education Discretionary funds; \$66,000 Preschool/Disabled; \$12,000 Title V targeted funding; and \$15,000 Title IV - Safe and Drug Free</p>
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**Broadband Non-Infrastructure Application
Submission to NTIA – Sustainable Broadband Adoption**

Submitted Date: 3/15/2010 1:02:43 PM	Easygrants ID: 6396
Funding Opportunity: Sustainable Broadband Adoption	Applicant Organization: UNIVERSITY OF ALASKA FAIRBANKS
Task: Submit Application - Sustainable Broadband Adoption	Applicant Name: Mr. Andrew Parkerson-Gray

	Schools.
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36. Budget Narrative

Budget narrative	<p>Personnel Staff effort was divided evenly among the three project years. The amount of effort for each staff person is shown on the budget detail sheet. The UA positions directly support project management and implementation. The BASC, Commission on Postsecondary Education, AK Voc-Tech, and KACN-TV staffing are to support activities of the partners related to the project.</p> <p>Benefits Fringe benefits were calculated per partner HR practices and employee agreements, ranging from 37% to 57% of base salary, as shown on the budget detail sheet.</p> <p>Travel Travel includes 2-3 meetings a year for partners. It is anticipated that 3 project staff members will travel from Fairbanks to Anchorage to facilitate the partner meetings (Air fare \$350, Lodging \$500, and meals \$44). Individual project partners will absorb the cost to send their staff to the meeting, or participate via videoconference. The travel line also includes attendance at national conferences of subject matter interest for 2 staff members in each of the 3 years of the project (Air fare \$1,500, Lodging \$1,500, and meals \$64). The Awareness campaign will require travel to key locations; this travel is budgeted at 3 trips in years 1-2, and 2 trips in year 3 (Air fare \$350, Lodging \$150, meals \$44). Travel to PCCs is budgeted at 3 trips in years 1 and 2, and one trip in year 3 (\$350 Air fare, \$150 lodging, and \$44 meals).</p> <p>Equipment The budget includes 5 servers to connect to the UA network, and routers to connect to the high-speed AK20 network to benefit all project partners and the PCCs.</p>
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**Broadband Non-Infrastructure Application
Submission to NTIA – Sustainable Broadband Adoption**

Submitted Date: 3/15/2010 1:02:43 PM	Easygrants ID: 6396
Funding Opportunity: Sustainable Broadband Adoption	Applicant Organization: UNIVERSITY OF ALASKA FAIRBANKS
Task: Submit Application - Sustainable Broadband Adoption	Applicant Name: Mr. Andrew Parkerson-Gray

	<p>Supplies Supplies include PCs for project staff, consumables to operate the project, materials for the partner meetings each year. The budget includes the cost of extreme cold weather video equipment for BASC for production of educational materials in the Arctic, and 15 Tandberg video conferencing units for the Alaska TeleHealth and Family Centered Services Partners. A total of 510 mobile devices will be purchase for the end-user loaner program, purchase split evenly between the 3 project years. Each student enrolled in the Village Internet Agent program will build a PC from a kit; each kit costs \$1,500.</p> <p>Contractual Contractual services over the grant period include web design and development, meeting facilitation, hardware and software licensing fees, project evaluation and reporting, maintenance agreements, training registration, and media campaign expenses. Costs are split evenly between the project years. This line includes service for culturally responsive storytelling to engage youth and elders together in online historic projects @ \$71,660 annually. Alaska Department of Education will receive \$335,000 for the development of e-Learning content for delivery across the state to an estimated 4,000 users.</p>
Budget reasonableness	<p>The costs proposed in this project budget seem very reasonable given that the project plans for broadband adoption across the largest state and in areas currently unserved. The project partners are providing a 34.7% match, \$2,422,738. Total cash match is \$180,000 with the remainder of the matching funds as in-kind contributions directly attributable to the project. The cash match is from BASC who will be producing an Arctic Science series of interest not only to Alaskans, but nationally and internationally as well. In-kind contributions to the project include technical support (plus travel to install equipment); software licensing and broadband connectivity fees; subscription to electronic materials for public library access; and staff and faculty. Notably, 34% of the match was contributed by the media partner for radio and TV time as well as print advertisement purchase for the</p>



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Submitted Date: 3/15/2010 1:02:43 PM	Easygrants ID: 6396
Funding Opportunity: Sustainable Broadband Adoption	Applicant Organization: UNIVERSITY OF ALASKA FAIRBANKS
Task: Submit Application - Sustainable Broadband Adoption	Applicant Name: Mr. Andrew Parkerson-Gray

	<p>awareness campaign.</p> <p>Thirty two percent (32%) of the project budget represents training costs. The average per person cost for broadband awareness or broadband assisted training is \$51. This is a phenomenal demonstration of the value of broadband for precipitating change in Alaska: Under current conditions, training in situ is only available to some residents. When organizations need to train their staff, travel to a hub location plus lodging regularly tops \$1,000 per person. This project makes good use of video conferencing technology, live electronic discussions, and web archiving of content for asynchronous retrieval. Much of the training is local capacity building - Village IT support, TeleHealth coordinators, continuing education for teachers and other professionals, and work skill readiness as a tool for addressing unemployment and poverty.</p> <p>The budget includes resources for an innovative and sensible approach to introducing end-users to broadband technology for personal use by purchasing relatively inexpensive mobile devices that can be loaned to users. The total cost of mobile broadband equipment is \$601,889. This works out over 3 years to an annualized cost of \$315 for each unit. Replacement of inexpensive mobile devices is something that local partners could more feasibly include in their operating budgets when the grant ends.</p> <p>In addition to the major focus on training and local capacity building in this project, a second objective is to build a sustainable statewide multi-sector network of partners, with a structure and processes to engage new institutions, agencies, and businesses with a similar interest in increasing end-user adoption of broadband technology. The project partners themselves intend to use broadband technology for project management. The proportion of the budget dedicated to project management (including staff, travel, and supplies) is less than 18% of the total request. Part of the travel budget is for visits to the Public Computing Centers to coordinate use of the sustainable broadband</p>
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**Broadband Non-Infrastructure Application
Submission to NTIA – Sustainable Broadband Adoption**

Submitted Date: 3/15/2010 1:02:43 PM	Easygrants ID: 6396
Funding Opportunity: Sustainable Broadband Adoption	Applicant Organization: UNIVERSITY OF ALASKA FAIRBANKS
Task: Submit Application - Sustainable Broadband Adoption	Applicant Name: Mr. Andrew Parkerson-Gray

	resources there.
Demonstration of need	<p>The fact that 21 Alaska organizations and agencies so quickly formed a partnership with a common goal of sustainable broadband adoption is indicative of partner financial need. In their letters of support, many partners describe their financial need for the project funds. The project partners are contributing a 34.7% match to the project, but it is the start up and one-time purchase of equipment that cannot be accommodated in operating budgets in an austere economic environment.</p> <p>For example, the Barrow Arctic Science Consortium, which serves an important role in international climate and circumpolar Arctic research, has seen its budget drop by 2/3 as scientists and their sponsors reevaluate their own resources. The provision of cold-weather impervious video cameras and associated technology along with the requisite technical expertise will allow BASC to continue its significant mission. Other partners who cannot afford the one-time equipment and technology purchases, yet have staff and broadband content include Ilisagvik Tribal College, Alaska Rural TeleHealth Network, KACN-TV, and Alaska Family Centered Services.</p> <p>Alaska Pacific University has faculty capable and curriculum available to extend their Information Technology degree program, but cannot afford the start up costs, including video conferencing equipment. The Alaska Vocational Technical Center (AVTEC) immediately recognized the value of providing a Village Internet Agent program and has had requests for such training but also cannot afford to pay salary for an instructor while interest and enrollment are generated. For both AVTEC and APU, once the programs are established, student fees will make them self-sustaining. The Alaska Native Tribal Health Consortium has for some time wanted to deploy an innovative new health care certificate program and can sustain it once the program is operational.</p> <p>There is another group of partners who simply do not have a media</p>



**Broadband Non-Infrastructure Application
Submission to NTIA – Sustainable Broadband Adoption**

Submitted Date: 3/15/2010 1:02:43 PM	Easygrants ID: 6396
Funding Opportunity: Sustainable Broadband Adoption	Applicant Organization: UNIVERSITY OF ALASKA FAIRBANKS
Task: Submit Application - Sustainable Broadband Adoption	Applicant Name: Mr. Andrew Parkerson-Gray

	budget or extra personnel who can distribute their message or generate awareness and adoption of broadband services. This group includes many of the partners already named, and also the Alaska Injury Prevention Center, Alaska Department of Health and Human Services, Alaska Department of Education, the Alaska Teacher Mentor Project, Alaska Department of Labor, Alaska Coast Guard, Best Beginnings, Communities in Schools, and Alaska Commission on Postsecondary Education.
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37. Funds to States/Territories

States	Amount of Federal Grant Request
Alaska	4,554,546

Funds to States/Territories Total: \$4,554,546

H. Historical Financials

38. Matching Funds			
	2007	2008	2009
Revenue	352,410,000	356,624,000	367,837,000
Expenditures	667,413,000	716,476,000	759,067,000
Net Assets	887,450,000	938,803,000	952,183,000
Change in Net Assets from Prior Year	40,595,000	51,353,000	13,380,000
Bond Rating (if applicable)	Moody's Aa3	Moody's Aa3	Moody's A1

I. Program Benefits



**Broadband Non-Infrastructure Application
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Submitted Date: 3/15/2010 1:02:43 PM	Easygrants ID: 6396
Funding Opportunity: Sustainable Broadband Adoption	Applicant Organization: UNIVERSITY OF ALASKA FAIRBANKS
Task: Submit Application - Sustainable Broadband Adoption	Applicant Name: Mr. Andrew Parkerson-Gray

39. Jobs	
How many direct jobs-years will be created from this project?	49
How many indirect jobs will be created from this project?	0
How many jobs will be induced from this project?	27

40. Methodology used to estimate jobs:

The formulas from the Council of Economic Advisors were used to estimate the number of jobs that will be produced from this project.

Total project budget: \$6,967,284 / \$92,136 = 76 job years.

76 job years X .64 = 49 direct and indirect jobs created.

76 - 49 = 27 jobs induced.

41. Adoption Metrics	
How many total new home subscribers (household accounts) to broadband do you expect to generate through use of BTOP funds over the entire life of the program funded?	88125
How many total new business and/or institutional subscribers to broadband do you expect to generate through use of BTOP funds over the entire life of the program funded?	300
How many total users of broadband in public computer centers or users of broadband outside the home (e.g., in a community college) do you expect to generate through use of BTOP funds over the entire life of the program funded?	189500
What is the total cost of your project per new subscriber (household, individual, or institutional) or new end-user?	\$51.00

42. Measuring Adoption Impact:

Both quantitative and qualitative data will be gathered to determine the use and subscribership to broadband services that could be connected to the awareness campaign. The use of broadband will be measured several ways. All project partners have collected data during the preparation of



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Submitted Date: 3/15/2010 1:02:43 PM	Easygrants ID: 6396
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Task: Submit Application - Sustainable Broadband Adoption	Applicant Name: Mr. Andrew Parkerson-Gray

this proposal to assess the usership of their broadband materials. This information will form a baseline from which we will measure change over time. At the start of the project, baseline data will be collected from partners for visits to their Internet content pages. By examining whether users navigated to another page within the partner’s site, we will be able to glean some information about depth of use of the materials.

A Project web page will be created at the start of the project, along with a Project Portal screen containing links to Internet content on partner sites. All of the public computing center computers and all of the mobile devices purchased for the project will be set with the Project Portal as the default homepage. From those machines, we will be able to gather information about number of times accessed, for reporting. This information will be used for the Social Network Mapping project.

The number of visitors to the public computing centers will be tabulated, as will the number of individuals who participate in training delivered using broadband resources. Data will be collected for the mobile device loaner program to determine where the devices are being used. Since the sustainability of this project is heavily dependent on partner participation, the new partners added over the term of the project will also be reported. Service providers will be asked if they are willing to provide information about institutional and residential subscribership that can be reported for this project.

Use of broadband services will also be examined qualitatively through visits to individual public computing center sites, and feedback/interviews regarding the awareness campaign strategies and messages. Other qualitative data will be provided by partners based on their individual efforts to increase use of their resources.

43. Broadband Training Programs	
If you intend to provide training or education, how many people in total will your program(s) reach?	84087
How many hours of training do you expect to provide per person on average for each participant in your training program(s), through completion of training for that individual?	4
How many Full time employee (FTEs) instructors or facilitators will you employ for broadband and digital literacy training purposes?	5



**Broadband Non-Infrastructure Application
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Submitted Date: 3/15/2010 1:02:43 PM	Easygrants ID: 6396
Funding Opportunity: Sustainable Broadband Adoption	Applicant Organization: UNIVERSITY OF ALASKA FAIRBANKS
Task: Submit Application - Sustainable Broadband Adoption	Applicant Name: Mr. Andrew Parkerson-Gray

44. Describe their qualifications (training and experience):

5 FTE instructors will be employed for digital literacy training. Alaska Pacific University requires an earned Ph.D., a demonstrated record of high quality instruction in the subject, ability to work with a diverse student population, and strong curriculum design and delivery via video conferencing and technology assisted instruction.

Qualifications for the AVTEC instructor of the Village Internet Agent curriculum include the ability to provide theory and laboratory instruction, evaluation, and supervision to students in the Information Technology Program. Duties will include instruction in PC Hardware/Software Support, Network Infrastructure and Network Administration. The instructor must have a minimum of 5 years experience in Information Technology or Telecommunications, previous teaching experience and industry certifications.

AKDEC will hire a 1.0 FTE Instructional Design Technology Specialist as a member of the project management team. Levels are distinguished by the complexity of the responsibilities assigned and characterized by the application of pedagogical concepts, level of supervision received, and the degree of autonomy exercised. This Instructional Design position is focused on applying learning theory and pedagogical best practice and not promotional media. This individual is expected to be expert in the application of appropriate educational technology, research, and distance education course design.

Responsibilities and qualifications of the 1.0FTE Information Systems Specialist (level 3 or 4) for Alaska Tech Prep include the ability to provide technical expertise and consulting in order to assist users in identifying and applying the tools of information technology that cross multiple platforms and disciplines; answer user questions and provide technical assistance in the use of information technology; consult on applications and functional interfaces; assist users in connecting to LANs and WANs; answer inquiries regarding access to and use of Internet; debug application, system and network errors; and create and modify user documentation and on-line help text.

The 1.0 TeleHealth Coordinator position at Alaska Native Tribal Health Consortium requires a Bachelor's Degree in Nursing, Social Work, or related clinical field and a minimum of 5 years of clinical experience. Required knowledge includes: computer and telecommunications hardware and software systems; medical terminology, anatomy, physiology and concepts of disease; patient care activities, the hospital environment and how the services and functions interact;



**Broadband Non-Infrastructure Application
Submission to NTIA – Sustainable Broadband Adoption**

Submitted Date: 3/15/2010 1:02:43 PM	Easygrants ID: 6396
Funding Opportunity: Sustainable Broadband Adoption	Applicant Organization: UNIVERSITY OF ALASKA FAIRBANKS
Task: Submit Application - Sustainable Broadband Adoption	Applicant Name: Mr. Andrew Parkerson-Gray

training theories and methods to develop training programs; and clinical and healthcare-related software applications. Skills required include: training users in specialized software applications; researching, analyzing and evaluating new training materials and delivery methods; and operating a personal computer utilizing a variety of software applications.

45. Equipment Affordability Programs		
What is the total up-front cost of this equipment?	\$601,889.00	
If you are providing an equipment purchase or loan program, for how many households, businesses and/or institutions do you expect to provide equipment or computers?	48000	Households
	30	Businesses
	210	Institutions
If you are employing a loan program for purchases of service or equipment, what will be the total cost to the typical customer you assist over the life of the loan, including all interest and fees?	\$0.00	
How many broadband-related equipment units (e.g. computers, wireless devices) do you intend to purchase overall?	636	

46. Broadband Awareness Programs	
If you are conducting an awareness campaign, how many people do you expect your campaign will reach in total per year?	225

47. Awareness Campaign Methods: Briefly describe the targeting, media, and messaging strategies your awareness campaign will employ.

Our awareness campaign will feature different messages for different audiences and use print, radio and television media as well as personal contact by partner organizations, such as schools and health clinics. In small villages the most used media is also the least costly – informational posters in the general store or post office. KACN-TV will develop targeted messages and identify the most appropriate media for each audience. KACN will produce a series of high quality radio and television public service announcements and print collaterals timed for release



**Broadband Non-Infrastructure Application
Submission to NTIA – Sustainable Broadband Adoption**

Submitted Date: 3/15/2010 1:02:43 PM	Easygrants ID: 6396
Funding Opportunity: Sustainable Broadband Adoption	Applicant Organization: UNIVERSITY OF ALASKA FAIRBANKS
Task: Submit Application - Sustainable Broadband Adoption	Applicant Name: Mr. Andrew Parkerson-Gray

in individual communities and regions as broadband infrastructure becomes available.

Awareness campaign materials will be aired on GCI Channel 1.

Target Group	Media/Method
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Rural Residents	Broadcast radio PSAs on Rural stations, Broadcast PSA'S and training infomercials KACN-TV Statewide and run print ads in rural papers
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Estimated number reached with statewide TV: 150,000

Estimated number reached with radio: 100,000

Estimated number reached with rural publications: 10,000

Estimated change in broadband: 25% increase in subscriptions

Target Group	Media/Method
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Urban Disadvantaged	Broadcast PSA'S and training infomercials on KACN-TV and play in Public Assistance Centers, Social Security Administration, Division of Motor Vehicles, Libraries, Job Centers; Offer print materials in all of the locations named above and ads in major newspapers; Broadcast radio PSA's on locally owned radio stations and public broadcasting radio stations
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Estimated number with KACN Channel 95 and GCI 1: 225,000

Estimated number with mix radio (ANC, FBKS, JUN): 130,000

Estimated number with print (ANC, FBKS, JUN): 100,500

Estimated change in broadband: 25% increase in subscriptions

Target Group	Media/Method
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People with disabilities:	Broadcast PSA'S and training infomercials on KACN-TV; Distribute print materials to community and state organizations that serve people with disabilities and utilize their List serve distribution of information
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Estimated number of families reached: 3,000

Estimated change in broadband: 15% increase

Target Group	Media/Method
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Seniors	Broadcast PSA'S and training infomercials on KACN-TV and play in Public Assistance Centers, Social Security Administration, Division of Motor Vehicles, Libraries, Job Centers; Offer print materials in all of the locations named above and ads in major newspapers;
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Task: Submit Application - Sustainable Broadband Adoption	Applicant Name: Mr. Andrew Parkerson-Gray

Broadcast radio PSA's on locally owned radio stations and public broadcasting radio stations and provide informational workshops at local Senior Centers; Distribute information with AARP list serve

Estimated number with KACN Channel 95 and GCI 1: 225,000
Efforts broadcast on statewide radio partners: 170,000
Estimated number with senior focused print: 20,000
Estimated change in broadband: 10% increase

48. Measuring Campaign Impact: Describe how you will measure the impact of the awareness campaign.

Both quantitative and qualitative data will be gathered to determine the use and subscribership to broadband services that could be connected to the awareness campaign. The use of broadband will be measured several ways. All project partners have collected data during the preparation of this proposal to assess the usership of their broadband materials. This information will form a baseline from which we will measure change over time. At the start of the project, baseline data will be collected from partners for visits to their Internet content pages. By examining whether users navigated to another page within the partner's site, we will be able to glean some information about depth of use of the materials.

A Project web page will be created at the start of the project, along with a Project Portal screen containing links to Internet content on partner sites. All of the public computing center computers and all of the mobile devices purchased for the project will be set with the Project Portal as the default homepage. From those machines, we will be able to gather information about number of times accessed, for reporting. This information will be used for the Social Network Mapping project.

The number of visitors to the public computing centers will be tabulated, as will the number of individuals who participate in training delivered using broadband resources. Data will be collected for the mobile device loaner program to determine where the devices are being used. Since the sustainability of this project is heavily dependent on partner participation, the new partners added over the term of the project will also be reported. Service providers will be asked if they are willing to provide information about institutional and residential subscribership that can be reported for this project.



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Submission to NTIA – Sustainable Broadband Adoption**

Submitted Date: 3/15/2010 1:02:43 PM	Easygrants ID: 6396
Funding Opportunity: Sustainable Broadband Adoption	Applicant Organization: UNIVERSITY OF ALASKA FAIRBANKS
Task: Submit Application - Sustainable Broadband Adoption	Applicant Name: Mr. Andrew Parkerson-Gray

Use of broadband services will also be examined qualitatively through visits to individual public computing center sites, and feedback/interviews regarding the awareness campaign strategies and messages. Other qualitative data will be provided by partners based on their individual efforts to increase use of their resources.

J. Project Readiness

49. Licenses and Regulatory Approvals

KACN broadcasting station is the project partner who will provide key assistance for the awareness campaign and general content distribution. KACN operates under the following FCC license:

FCC LPTV Broadcast Station License File Number BLTTL-20080826ABQ

License covers permit number BNPTTL-20000830AOU

Facility ID: 128277

Granted: 10/07/08

Expiration: 02/01/15

Licensee: Dan Etulain

Frequency (MHz): 614-620

Hours of Operation: Unlimited

Antenna Type: Non-Directional

Transmitter: Type Accepted

Antenna Coordinates: North Latitude 61 deg 13 min 01 sec

South Latitude 149 deg 53 min 34 sec

Maximum Effective Radiate Power (ERP) Towards Radio Horizon: 20kW

Maximum ERP in any horizontal and vertical angle: 20 kW

Height of radiation center above ground: 56 meters

Height of radiation center above mean sea level: 93 meters

Antenna structure registration number: 1063460

50. Organizational Readiness

The University of Alaska Office of Information Technology is a strategic service organization providing technology tools, expertise, and planning to facilitate the University of Alaska's mission.



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The Alaska Distance Education Consortium (AkDEC) is the managing partner for this project. AkDEC was formed 10 years ago with an \$8M federal appropriation secured by former Senator Ted Stevens, for the purpose of consolidating requests for funding of distance education. AkDEC has performed that service well, primarily for the education sector, both K-12 and higher education. This project extends the AkDEC focus to include education, training, and knowledge transfer in other sectors. AkDEC, from its inception, has been housed at the University of Alaska Statewide, in the Office of Information Technology. The University of Alaska Office of Information Technology is a strategic service organization providing technology tools, expertise, and planning to facilitate the University of Alaska's mission.

AkDEC, the project director, and the university all have a history of successful federal grant management. The Office of Information Technology has a full-service business office with backup resources available to project staff. The University of Alaska Office of Grants and Contracts Administration (OGCA) is the liaison between the university and grantors.

The role of the OGCA is to manage and monitor all post award activities for the University of Alaska Fairbanks, to minimize conflicts of interest and assure compliance with applicable regulations and requirements for restricted funds. OGCA responsibilities include the set up of new accounts, budget revisions, the preparation of bills and collections of amounts due from funding agencies, and compliance reviews. OGCA has already created reporting forms specifically to accommodate the quarterly GPRA requirements of ARRA grants.

OGCA also deals with internal and external auditors in matters related to sponsored programs. In fiscal year 2008, UAF OGCA managed more than 1,680 sponsored projects, of which 1,159 continued into the current fiscal year. In fiscal year 2008, UAF's volume of activity amounted to approximately \$207 million. Forty-eight percent of sponsored projects funding comes from the federal government. The remainder is made up of University Foundation (18%), state and local government (12%), and foreign, corporate, other universities and foundation sources (22%).

51. Project Timeline and Challenges

A graphical project timeline is attached to this proposal as a supplemental document. Key milestones for this project include:

-establishment of the project office, including hiring of all staff and securing space.



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- establishment of grant management protocols with the UA Office of Grants and Contract Administration.
- signing of MOAs between the University as fiscal agent and the project partners.
- initial completion of the project website.
- start and completion of Rural Telehealth Coordinator and Village Internet Agent programs for cadres of participants.
- initial roll out of the Awareness Campaign.
- completion of all equipment purchases, and completed distribution for partner use.
- start of the mobile device loaner program.
- opening of all public computing centers (shared milestone with PCC proposal).

Potential challenges to the project timeline include identification of and recruitment of 80 individuals interested in becoming Village Internet Agents. To mitigate this possibility, multiple partners have agreed to take an active role in recruiting participants. The Alaska Department of Education, Ilisagvik Tribal College, and TeleHealth will all assist in the recruitment effort

Another challenge is the unknown infrastructure timeline and roll out of satellite or fiber, and which communities will receive infrastructure. Upon announcement of the infrastructure awards, AkDEC will establish a relationship with the providers to focus adoption and sustainability efforts. In the design of this project, an initial assumption is that the rural hub communities will receive bandwidth initially. Another possibility is that the Public Computing Center proposal also sponsored by UA might not be funded. The two projects were designed to enhance one another with increased service to partners and end users, but in the event the PCC proposal is not funded, mobile devices will be deployed more quickly in place of publicly accessible broadband resources.

52. SPIN Number

K. Environmental Questionnaire

53. Does the proposed action involve the procurement of materials? If so, will the materials be installed, stored or operated in an existing building or structure? If yes, please click "Add" to include the list of equipment and peripherals to be procured.

Yes



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80 PC computer assembly kits
15 Tandberg Codec video conferencing units
15 video screens
20 PC computers
210 netbooks
300 mobile touch devices
5 -Cisco 6504 with Sup720
5- 16 port gigE Module
5 routers

54. Does the proposed action involve procurement of electronic equipment? If yes, will the equipment be disposed of in an environmentally sound manner at the end of its useful life?

Yes

55. Does the proposed action involve construction, remodeling, or renovation? If so, will these activities be limited to only minor interior renovations to a structure, facility, or installation? If yes, click "Add" to include a description of the proposed renovations with your project summary.

No

56. Does the proposed action involve the production and/or distribution of informational materials, brochures, or newsletter?

Yes

57. Does the proposed action involve training, teaching, or meeting facilitation at an existing facility or structure? If yes, click "Add" to explain.

Yes

Yes, all instruction will be delivered in existing facilities; no new facilities will be built as part of this project.

58. Does the proposed action involve ground or surface disturbance to accommodate new fiber optic cable? If yes, please click "Add" to include a description of the extent of service upgrade, a list of the permits required, and linear footage of underground fiber optic cabling required.



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No

59. Does the proposed action involve an upgrade of broadband service to an existing facility or structure? If yes, please include a description of the extent of service upgrade, a list of the permits required, and linear footage of underground fiber optic cabling required?

No



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Uploads

The following pages contain the following uploads provided by the applicant:

Upload Name	File Name	Uploaded By	Uploaded Date
Management Team Resumes and Organization Chart	ALL SBA Management Team Resumesand OrgCharts.pdf	Parkerson-Gray, Andrew	03/13/2010
Government and Key Partnerships	SBA Round 2 Letters of Support.pdf	Parkerson-Gray, Andrew	03/15/2010
Historical Financial Statements	UAFinancialStatements2007thru2009.pdf	Parkerson-Gray, Andrew	03/12/2010
Community Anchor Institutions Detail	SBACommunityAnchorAttachmentdc.xlsx	Parkerson-Gray, Andrew	03/15/2010
BTOP Certifications	Assurances2.pdf	Parkerson-Gray, Andrew	03/15/2010
Detailed Budget	SBAFederalDetailedBudget-March2010Round2-FINAL.xls	Parkerson-Gray, Andrew	03/13/2010
SF424 A Budget	SBA SF424ABudgetForm.pdf	Parkerson-Gray, Andrew	03/13/2010
SF424 B Assurances - Non-Construction	424Bassurance.pdf	Parkerson-Gray, Andrew	03/15/2010



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Supplemental Information	SBA Supplemental Documents R2.pdf	Parkerson-Gray, Andrew	03/15/2010
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