

QUARTERLY PERFORMANCE PROGRESS REPORT FOR SUSTAINABLE BROADBAND ADOPTION

General Information		
1. Federal Agency and Organizational Element to Which Report is Submitted Department of Commerce, National Telecommunications and Information Administration	2. Award Identification Number 02-43-B10566	3. DUNS Number 615245164
4. Recipient Organization University of Alaska, Fairbanks Administrative Services CTR RM 109, Fairbanks, AK 99775		
5. Current Reporting Period End Date (MM/DD/YYYY) 06-30-2011	6. Is this the last Report of the Award Period? <input type="radio"/> Yes <input checked="" type="radio"/> No	
7. Certification: I certify to the best of my knowledge and belief that this report is correct and complete for performance of activities for the purposes set forth in the award documents.		
7a. Typed or Printed Name and Title of Certifying Official John Monahan	7c. Telephone (area code, number and extension)	
	7d. Email Address jdmonahan@alaska.edu	
7b. Signature of Certifying Official Submitted Electronically	7e. Date Report Submitted (MM/DD/YYYY): 06-27-2011	

Project Indicators (This Quarter)**1. Please describe significant project accomplishments completed during this quarter (600 words or less).**

Highlights of recent activities accomplished by participant partners of the SBA Bridging the eSkill Gap project include:

Alaska Pacific University

- Purchased equipment for deployment, beginning with a packet shaper to permit to lecture content while streaming.
- Hybrid delivery format begins June 1 with the summer trimester with Cisco (WebEx) for our initial delivery of MBA courses

Alaska Library Network

- Increased 2500 more tutoring sessions, based on the demand for Live Homework Help program.
- 15% anticipated increase in program use because of training and outreach efforts.
- Prepared a new brochure for the Digital Pipeline, Live Homework Help, and the Testing and Education Reference Center.

KACN-TV Communication Center

- KACN-TV broadcast 193 partner commercials during April, 2011 (\$9,560.00 in airtime donation).
- Director asked to serve on UAA Journalism Professional Advisory Council and Alaska Teen Media Institute Advisory Council
- Completed promotional video for Brett Dillingham focused on his storytelling educational process and Barrow students
- Met with Highland Tech Students 4/25 and 5/5 to provide guidance on DOE Multicultural Conference video editing project
- Record and produce video of Highland Tech Students 5/11 storytelling and performing
- Record and produce video of Kenai Peninsula students 5/12 and 5/13 storytelling

Alaska Post Secondary Commission

- Continued the distance delivery of the Alaska Career Information System (AKCIS) training modules.
- Between 4/1/11 – 4/30/11 we have provided 8 distance delivery sessions to 309 educational partners across the state.
- Begun recruiting Bethel College/Career Guide and anticipate having the successful applicant on board by mid July.
- Bethel College/Career Guide will be available for services to students by August 15, 2011.

Alaska Injury Prevention Center

- Posted underage drinking prevention videos, created by rural Alaskan youth on Youtube. Videos have received from 800-1100 hits in communities that include: Bethel, Brevig Mission and Mountain Village.
- "Youth sharing stories via broadband", recent uploaded video, with special interest in rural Alaska is a 40 minute piece that includes 6 interviews with youth at the McLaughlin Youth Center, a juvenile detention facility. The video has already been viewed 62 times. It offers first hand advice from teens to teens about what it means to be locked up, missing grandma's birthday, not being able to go home for dinner, losing respect from younger siblings, and more.
- Marcia Howell, AIPC Director, provided a Social Norms Marketing Training May 24 and 25 in Anchorage to 27 Statewide participants interested in creating media messages for teens statewide, including online marketing.

Digital Storytelling

- Trainings and awareness activities conducted in Akiachak, Nome, Anchorage, Kenai, and Ketchikan (detailed in outreach and awareness section of the report).

Alaska Vocational Technical Education Center

- Hired Allen Sagoonick, a 2000 AVTEC graduate who has been an IT Technician in Unalakleet for Kawerak Corporation.
- Continued training a group of 11 students who started in AVTEC's IT program last fall; those students will be qualified to work as VIAs after they graduate at the end of May.
- Contacting potential employers and partners such as GCI, Kawerak, and ANTHC in order to build a program advisory committee. Committee members can help recruit program participants, screen potential students, commit to hiring trained VIAs, and advise AVTEC about the schedule for (and progress of) broadband implementation in rural Alaska.

Alaska State Hospital and Nursing Home Association

- Collaborated with Alaska Health Education Consortium to conducting an assessment of educational programming needs of small and rural hospitals, the survey focused on, regulatory and professional development needs by staff, preferred delivery methods, existing sources of educational programming
- Held videoconference with 6 Alaska Rural Telehealth Network to test equipment and network links – everything functioned very well.
- Coordinated VC training for nursing staff on end-of-life care
- Conducted web-based training for Chief Financial Officers of small hospitals on improving hospital operations.

Barrow Arctic Science Consortium

- BASC facilitated 5 Schoolyard Saturday presentations in April and posted on a server at UAF and/or on YouTube during the upcoming quarter. These presentations took place in the Barrow Arctic Research Center conference room, but with the new equipment presentations in the future will include allow streaming from field research sites.

2. Please provide the percent complete for the following key milestones in your project. Write "0" in the Percent Complete column and "N/A" in the Narrative column if your project does not include this activity. If you provided additional milestones in your baseline report, please insert them at the bottom of the table. Figures should be reported cumulatively from award inception to the end of the most recent reporting quarter. Please provide a narrative description if the percent complete is different from the target provided in your baseline plan (300 words or less).

	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or any other relevant information)
2.a.	Overall Project	16	NA
2.b.	Equipment / Supply Purchases	-	Progress reported in Question 4 below
2.c.	Awareness Campaigns	-	Progress reported in Question 4 below
2.d.	Outreach Activities	-	Progress reported in Question 4 below
2.e.	Training Programs	-	Progress reported in Question 4 below
2.f.	Other (please specify):	-	Progress reported in Question 4 below

3. Please describe any challenges or issues faced during this past quarter in achieving planned progress against the project milestones listed above. In particular, please identify any areas or issues where technical assistance from the BTOP program may be useful (600 words or less).

Technical Assistance from BTOP and the support team has been great. The audio conferences have been informative and the topics have been timely.

At this time there were no challenges or issues that were unanticipated and could not be addressed by working with the BTOP partners and adapting. For example, three of the project partners want to be able to capture presentations and make them available for playback to end users, but the equipment, storage hardware and software is cost prohibitive for individual partners, so in response the project has engaged in discussions with vendors to design a package with licensure agreements and equipment that is accessible to all the BTOP partners

4a. In the chart below, please provide the requested information on your BTOP grant-funded SBA activities. Please also provide a short description of the activity (600 words or less). Figures should be reported cumulatively from award inception to the end of the most recent reporting quarter. Please ensure that the numbers of new household subscribers and business or community anchor institution (CAI) subscribers reflected in the "Total" row represent the unduplicated number of new subscribers that can be attributed to your SBA project as a whole.

Name of the SBA Activity	Location of SBA Activity	Description of Activity (600 words or less)	Size of Target Audience	Actual Number of Participants	New Subscribers: Households	New Subscribers: Businesses and/or CAIs
Prior Quarter Total	Alaska-wide	carry forward training and awareness activities from previous quarters	873	873	0	0
University of Alaska Video Conference	Fairbanks, Alaska	Completed Video Conference Training and Orientation with Alaska Native Tribal Health Consortium	1	1	0	0
KACN - TV	Anchorage, Alaska	Provided Final Cut Pro production training to 9 youth in collaboration with Volunteers of America Friday 6/3 and Saturday 6/4 where four public service announcements were produced warning against underage drinking; trained youth will assist with BTOP production projects (June 3)	9	9	0	0
KACN - TV	Anchorage, Alaska	Worked with Theresa and an intern from Nine Star Inc. to shoot the ACPE commercial 6/2 with the final product delivered to ACPE (June 2 - 13)	3	3	0	0
KACN - TV	Anchorage, Alaska	Worked with Theresa and two interns to shoot AVTEC commercial in Seward; video is in post-production process (June 8)	3	3	0	0
Alaska Library Network	Alaska-wide	Worked with Theresa and two interns to shoot AVTEC commercial in Seward; video is in post-production process (June 8)	14	14	0	0
Alaska Library Network	Alaska-wide	In April 2011, 1720 tutoring sessions (575 hours) were provided with the Live Homework Help service and 438 individuals used the Testing and Education Reference Center resources.	1,000	1,000	0	0
KACN-TV	Anchorage, Alaska	Broadcast 287 partner commercial during Q2 - May 1 - June 15	287	287	0	0

Name of the SBA Activity	Location of SBA Activity	Description of Activity (600 words or less)	Size of Target Audience	Actual Number of Participants	New Subscribers: Households	New Subscribers: Businesses and/or CAIs
Alaska Post Secondary Commission	Alaska-wide	Distance delivery of Alaska Caren Information System (AKCIS) training modules (April 01 - 30)	309	309	0	0
Alaska Injury Prevention Center	Alaska-wide	Underage drinking prevention videos, created by rural Alaskan youth on Youtube. Videos have received from 800-1100 hits in communities that include: Bethel, Brevig Mission and Mountain Village.	800	800	0	0
Alaska Injury Prevention Center	Alaska-wide	"Youth sharing stories via broadband", recent uploaded video, with special interest in rural Alaska is a 40 minute piece that includes 6 interviews with youth at the McLaughlin Youth Center, a juvenile detention facility.	62	62	0	0
Barrow Arctic Science Consortium	Barrow, Alaska	BASC conducted 8 Schoolyard Saturday programs.	129	129	0	0
Barrow Arctic Science Consortium	Barrow, Alaska	BASC's staff training continued in April 2011. Richard Machida from UAF assisted BASC's Outreach Coordinator Nok Acker in learning to operate the Schoolyard Saturday video recording system. Richard Machida and BASC Planner Bryan Thomas discussed how to employ existing equipment to allow streaming from field research sites. 3 people, about 6 days were involved (148 total training hours)	3	3	0	0
Digital Storytelling	Kenai, Alaska	Provided digital storytelling to connect the un-served and underserved Alaskans with ways to explore and use practical, culturally and economically relevant web sites and to create digital stories. Presentations and workshops were at Kaleidoscope elementary school. The presentations focused on digital storytelling and education. (May 9 - 13)	197	197	0	0
Digital Storytelling	Ketchikan, Alaska	Presentations and workshops were at Fawn Mountain Elementary School staff, students and community members. The presentations focused on classroom integration of storytelling with digital media. (May 16 - 20)	136	136	0	0
Digital Storytelling	Akiachak, Alaska	Presentations and workshops were at Akiachak elementary and middle school. The presentations focused on digital storytelling and education. (April 18)	71	71	0	0
Digital Storytelling	Nome, Alaska	Presentations and workshops were at Nome Beltz Junior High School and the Nome Elementary school. The presentations focused on education. (April 25)	82	82	0	0
Digital Storytelling	Nome, Alaska	Presented a 3.5 hour workshop at the Alaska Native Library and Museum Conference in Anchorage with participants from libraries and museums across the state participated. The title of the presentation was the Alaska Storyteller Laureate program and Digital Storytelling. (April 30)	34	34	0	0
Alaska Vocational Technical Training Center	Seward, Alaska	Training 11 students in AVTEC's Alaska Village Internet Agent IT program (hours of training)	11	11	0	0
Alaska Injury Prevention Center	Alaska-wide	Provided Social Norms Marketing Training May 24 and 25, which included techniques for creating media that will make positive social change. Participants trained on using broadband for promoting their positive media including webpages, Youtube, Facebook and other resources.	27	27	0	0
Alaska Tech Prep	Alaska-wide	Provide a full day statewide planning conference for the unified Tech Prep in Alaska	48	48	0	0
Total:			4,099	4,099	0	0

4b. Please describe your method for determining the number of households, businesses, and/or (CAIs) subscribing to broadband as a result of your SBA programs (600 words or less).

The Initial BTOP proposal stated Alaska had a 9.2% penetration rate for direct broadcast satellite TV service and high-speed broadband Internet service according to a study conducted by Leichtman Research group in 2007. The number of residential subscribers has increased, aided by BTOP middle mile projects and innovative programs developed by local Native organizations to support the cost of broadband subscribership. Several agencies and projects have collected data to determine current broadband coverage in Alaska. Data from multiple sources including government agencies, telephone companies, and the national broadband mapping project has been examined to verify broadband subscribership and while laudable, the lack of rural participation is skewing the reliability and the confidence of the end users. Efforts are being taken to adjust the methodology to increase the participation of rural Alaskans and strengthen the accuracy and confidence in the instrument. At best, when the original data is triangulated it confirms that the areas with the least or no broadband access are in southwestern, western, northwestern, and northern Alaska.

The BTOP-funded Terra project is on schedule for completion in late 2011 and will provide terrestrial broadband to 65 villages in southwestern Alaska for the first time. Noticeable changes in the number of new household subscribers should be evident by mid-2012. Alaska Department of Education collects self-reported Internet connectivity information annually from the 52 Alaska school districts and generally shows that urban areas have the best and most broadband connectivity. In rural school districts, the quality of broadband access decreases in villages farther away from the school district office. The Alaska State Libraries Association collects similar information for all of the community libraries in Alaska.

Connected Nation, as part of the national broadband mapping initiative, collected data in 2010 from a sample of 1,200 Alaskans. Examination of the Alaska survey data by zip codes to isolate the cases of truly rural respondents reveals an n = 110, which is .06% of Alaska's rural population. In this sample group, 73 people said they had internet access at home (66%) and 37 said they did not (33%). This sample size is too small to say with confidence that residential broadband subscribership is as high as 66% in rural Alaska. In addition, sampling methods has eliminated potential rural respondents without phones or Internet access at home.

We are currently working with Connected Nation, Connect Alaska, the 21-member Alaska Broadband Task Force, and our project partner statewide agencies (Best Beginnings, Alaska Department of Education and Early Development, Alaska Native Tribal Health Consortium) to promote residential broadband connectivity data from a larger sample of rural Alaskans. Specific actions being taken to improve the quality of data to report residential broadband subscribers include:

- SBA partners will encourage rural residents to complete the connectivity speed test on the Connect Alaska website and the voluntary technology use survey on the same web page.
- Our public awareness campaign partner (KACN) will produce and air PSAs to create higher awareness among rural residents about the residential broadband mapping survey, and to allay any fears related to responding.
- The project is working with the Alaska Broadband Task Force to dialogue with Connected Nation about effective ways to increase the proportion and distribution of rural respondents in the 2011 iteration of the Alaska Residential Broadband Survey.
- The project evaluator is working with Connect Alaska to identify opportunities to gather survey data from rural residents at highly attended gatherings in Anchorage, such as the Alaska Federation of Natives annual conference and the education-related annual Bilingual Conference.

4c. Please provide a narrative explanation if the total number of new subscribers is different from the targets provided in your baseline plan (600 words or less).

na

4d. Please provide the number of households and the number of businesses and CAIs receiving discounted broadband service as result of BTOP funds.

Households: 0

Businesses and CAIs : 0

Project Indicators (Next Quarter)

1. Please describe significant project accomplishments planned for completion during the next quarter (600 words or less).

Highlights of anticipated accomplished by participant partners of the SBA Bridging the eSkill Gap project include:

Alaska Pacific University

- Fall semester will begin the initial delivery of MBA courses

Alaska Library Network

- Distribute new brochure for the Digital Pipeline, Live Homework Help, and the Testing and Education Reference Center
- provide librarian training in August and September for school start up

KACN-TV Communication Center

- KACN-TV broadcast partner commercials
- Broadcast Connected Nation Alaska Public Service announcements concerning connectivity surveys
- Update promotional video for Brett Dillingham focused on his storytelling educational process, broadcast in communities
- Broadcast video of Highland Tech Students 5/11 storytelling and performing
- Broadcast video of Kenai Peninsula students 5/12 and 5/13 storytelling

Alaska Post Secondary Commission

- Complete the distance delivery of the Alaska Career Information System (AKCIS) training modules
- Train and locate the Bethel College/Career Guide and provide services to students by August 15, 2011.

Alaska Injury Prevention Center

- Promote underage drinking prevention videos, created by rural Alaskan youth on Youtube
- Promote "Youth sharing stories via broadband", recent uploaded video, with special interest in rural Alaska is a 40 minute piece that

DATE: 06/27/2011

includes 6 interviews with youth at the McLaughlin Youth Center, a juvenile detention facility. The video has already been viewed 62 times. It offers first hand advice from teens to teens about what it means to be locked up, missing grandma's birthday, not being able to go home for dinner, losing respect from younger siblings, and more.

Digital Storytelling

- Trainings and awareness activities conducted in school and library

Alaska Vocational Technical Education Center

- Begin training a second group of 11 students who started in AVTEC's IT program last fall; those .
- Promote students who graduate in May to potential employers and partners such as GCI, Kawerak, and ANTHC

Alaska State Hospital and Nursing Home Association

- Conducting an assessment of education needs at small and rural hospitals, focused on, regulatory and professional development needs by staff type including health professionals, finance, IT, managers, etc. preferred delivery methods (videoconference, web-based, teleconference, face-to-face, etc.) existing sources of educational programming that could be offered to small and rural hospital staff based on the results of the needs assessment.

Barrow Arctic Science Consortium

- Facilitated Schoolyard Saturday presentations and post on a server at UAF and/or on YouTube during the upcoming quarter.
- Utilizing BTOP provided equipment, begin streaming from field research sites.

2. Please provide the percent complete anticipated for the following key milestones in your project as of the end of the next quarter. Write "0" in the second column if your project does not include this activity. If you provided additional milestones in your baseline report, please insert them at the bottom of the table. Figures should be reported cumulatively from award inception to the end of the next reporting quarter. Please provide a narrative description if the planned percent complete is different from the target provided in your baseline plan (300 words or less).

	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or any other relevant information)
2.a.	Overall Project	26	na
2.b.	Equipment Purchases	-	Milestone Data Not Required
2.c.	Awareness Campaigns	-	Milestone Data Not Required
2.d.	Outreach Activities	-	Milestone Data Not Required
2.e.	Training Programs	-	Milestone Data Not Required
2.f.	Other (please specify):	-	Milestone Data Not Required

3. Please describe any challenges or issues anticipated during the next quarter that may impact planned progress against the project milestones listed above. In particular, please identify any areas or issues where technical assistance from the BTOP program may be useful (600 words or less).

No anticipated challenges or delays exist at this point.

Sustainable Broadband Adoption Budget Execution Details

Activity Based Expenditures (Sustainable Broadband Adoption)

1. Please provide details below on your total budget, cumulative actual expenditures (for the period ending the current quarter), and cumulative anticipated expenditures (for the period ending next quarter) for each line item, including detailed disbursements of both matching funds and federal funds from project inception through end of this quarter (actual) or next quarter (anticipated). Actual and anticipated figures should be reported cumulatively from award inception to the end of the applicable reporting quarter.

Budget for Entire Project				Actuals from Project Inception through End of Current Reporting Period			Anticipated Actuals from Project Inception through End of Next Reporting Period		
Cost Classification	Total Cost (plan)	Matching Funds (plan)	Federal Funds (plan)	Total Cost	Matching Funds	Federal Funds	Total Costs	Matching Funds	Federal Funds
a. Personnel	\$1,725,155	\$266,250	\$1,458,865	\$170,526	\$67,280	\$103,246	\$230,282	\$80,000	\$163,002
b. Fringe Benefits	\$740,803	\$98,512	\$642,291	\$50,192	\$0	\$50,192	\$79,587	\$0	\$79,587
c. Travel	\$51,082	\$0	\$51,082	\$30,852	\$0	\$30,852	\$38,462	\$0	\$38,462
d. Equipment	\$171,750	\$0	\$171,750	\$0	\$0	\$0	\$150,000	\$0	\$150,000
e. Supplies	\$613,015	\$75,000	\$538,015	\$325,281	\$304,474	\$20,807	\$397,421	\$344,474	\$52,947
f. Contractual	\$2,685,150	\$1,727,775	\$957,375	\$498,481	\$134,250	\$364,231	\$759,481	\$145,000	\$614,481
g. Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
h. Other	\$187,500	\$182,500	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0
i. Total Direct Charges (sum of a through h)	\$6,174,455	\$2,350,037	\$3,824,378	\$1,075,332	\$506,004	\$569,328	\$1,655,233	\$569,474	\$1,098,479
j. Indirect Charges	\$793,069	\$2,422,938	\$720,168	\$136,606	\$855	\$135,751	\$209,414	\$855	\$208,559
k. TOTALS (sum of i and j)	\$6,967,524	\$4,772,975	\$4,544,546	\$1,211,938	\$506,859	\$705,079	\$1,864,647	\$570,329	\$1,307,038

2. Program Income: Please provide the program income you listed in your application budget and actuals to date through the end of the reporting period.

a. Application Budget Program Income: \$0	b. Program Income to Date: \$0
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Empty space for additional details or comments.