

**U.S. DEPARTMENT OF COMMERCE**

**Performance Progress Report**

2. Award Or Grant Number

56-50-M09016

4. Report Date (MM/DD/YYYY)

01-11-2011

1. Recipient Name

Puget Sound Center for Teaching, Learning and Technology

6. Designated Entity On Behalf Of:

Wyoming

3. Street Address

19020 33rd Avenue West, Suite 210,

8. Final Report?

Yes

No

9. Report Frequency

Quarterly

Semi Annual

Annual

Final

5. City, State, Zip Code

Lynwood, WA 98036-4754

7. Project / Grant Period  
Start Date: (MM/DD/YYYY)

11-01-2009

7a. End Date: (MM/DD/YYYY)

10-30-2014

7b. Reporting Period End Date:

12-31-2010

9a. If Other, please describe:

N/A

**10. Broadband Mapping**

10a. Provider Table

Number of Providers Identified	Number of Providers Contacted	Number of Agreements Reached for Data Sharing	Number of Partial Data Sets Received	Number of Complete Data Sets	Number of Data Sets Verified
0	0	0	0	0	0

10b. Are you submitting the required PROVIDER DATA by using the Excel spreadsheet provided by the SBDD grants office?  Yes  No

10c. Have you encountered challenges with any providers that indicate they may refuse to participate in this project?  Yes  No

10d. If so, describe the discussions to date with each of these providers and the current status

Two providers, Lariat.net and Customer Telephone Broadband Services Inc., have declined to participate. In both cases they have been reached and have clearly stated that they do not wish to expend the time and effort to submit data. We will continue to reach out in each data cycle but do not anticipate their participation in the near future.

10e. If you are collecting data through other means (e.g. data extraction, extrapolation, etc), please describe your progress to date and the relevant activities to be undertaken in the future

LinkAMERICA uses data from commercial sources as well as estimation based on know infrastructure and general engineering principles. Commercial sources are primarily used to complete provider coverage and speed estimates when providers do not submit data on their own. Infrastructure points, such as tower locations and technologies, are used to estimate coverage when providers are unable to supply more detailed information.

10f. Please describe the verification activities you plan to implement

The LinkAMERICA team uses common procedures in each of the four LinkAMERICA states. The following four categories of verification activities occurred in Wyoming in Q4 2010:

**\*\*Third Party Data Comparison:** As data arrives from providers we compare submissions against other data sources. An example would be the comparison of an Incumbent Local Exchange Carriers (ILECs) reported census blocks with the exchange area boundaries identified by the ExchangeInfo data product. If a reported block falls outside a known exchange area, the block is flagged and the provider is contacted for clarification. Due Date - Ongoing

**\*\*Provider Validation:** Check maps (in Adobe .pdf) and other "check data" documents are given to providers at the beginning of each data collection round. We ask them to either verify or correct the coverage and speed information shown on the map and to add new coverage information. Offering them a view of what is already in the database for their company helps maintain consistency of the data and makes it easier for them to respond with changes - Due Date: Ongoing

**\*\*Data Format Verification:** Several processing scripts have been developed to analyze the format of the data per the NTIA Data Model. These scripts help identify anomalies such as "islands" and "donut holes" that require further investigation, but they also ensure the data can be easily imported by NTIA without errors - Due Date: Ongoing

**\*\*Consumer Feedback/Verification:** The LinkWYOMING interactive map contains a user feedback mechanism that identifies the precise coordinates of each point of feedback. As more user feedback arrives, we are able to investigate areas where provider-reported data consistently conflicts with consumer reports - Due Date: Ongoing

10g. Have you initiated verification activities?  Yes  No

10h. If yes, please describe the status of your activities

All of the above activities are ongoing and occur with each new round of data collection.

10i. If verification activities have not been initiated please provide a projected time line for beginning and completing such activities

\*\*Drive Testing: Test kits with multiple mobile broadband provider accounts will be driven within specific geographic areas to confirm coverage - Due Date is ongoing through 2012.

\*\*Crowd Sourcing: Providing a free smart phone application for consumers that constantly tracks and logs their connectivity status and upload/download speed. Data, including location information, is then sent back to a central server for processing - Due Date is ongoing throughout 2012.

**Staffing**

10j. How many jobs have been created or retained as a result of this project?

Review of actual hours worked in Q4 shows that the project has resulted in a total of 0.92 FTE created/retained at the Sub Recipient level and .28 FTE at the Prime Recipient level for a total of 1.2 FTE.

10k. Is the project currently fully staffed?  Yes  No

10l. If no, please explain how any lack of staffing may impact the project's time line and when the project will be fully staffed

N/A

10m. When fully staffed, how many full-time equivalent (FTE) jobs do you expect to create or retain as a result of this project?

Approximately 1.7 FTE

10n. Staffing Table

Job Title	FTE %	Date of Hire
Sub Recipient CEO - Supervisory Role	1	11/01/2009
Sub Recipient Project Director	8	11/01/2009
Sub Recipient Project Manager	23	11/01/2009
Sub Recipient GIS Director	17	11/01/2009
Sub Recipient Internal System Support/Architecture	11	11/01/2009
Sub Recipient Provider Relations Manager	31	11/01/2009
Prime Recipient Executive Director	10	11/01/2009
Prime Recipient Operations Manager	2	11/01/2009
Prime Recipient Contracts Coordinator	6	11/01/2009
Prime Recipient Project Director	0	11/16/2010
Prime Recipient Project Manager (Planning)	9	11/01/2009

Add Row

Remove Row

**Sub Contracts**

10o. Subcontracts Table

Name of Subcontractor	Purpose of Subcontract	RFP Issued (Y/N)	Contract Executed (Y/N)	Start Date	End Date	Federal Funds	In-Kind Funds
CostQuest Associates Inc.	Project Management/GIS Programming & Planning Services	N	Y	11/01/2009	10/31/2011	1,251,845	265,265

Add Row

Remove Row

**Funding**

10p. How much Federal funding has been expended as of the end of the last quarter? \$852,025      10q. How much Remains? \$3,301,808  
 10r. How much matching funds have been expended as of the end of last quarter? \$370,269      10s. How much Remains? \$668,195

10t. Budget Worksheet

Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
Personal Salaries	\$270,095	\$200,474	\$470,569	\$33,147	\$105,788	\$138,935
Personnel Fringe Benefits	\$67,524	\$7,682	\$75,206	\$6,961	\$0	\$6,961
Travel	\$17,920	\$0	\$17,920	\$1,060	\$2,005	\$3,065
Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Materials / Supplies	\$4,968	\$0	\$4,968	\$60	\$547	\$607
Subcontracts Total	\$3,667,506	\$229,500	\$3,897,006	\$799,290	\$51,471	\$850,761
Subcontract #1	\$3,667,506	\$229,500	\$3,897,006	\$799,290	\$51,471	\$850,761
Subcontract #2	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #3	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #4	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #5	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$507,155	\$507,155	\$0	\$200,000	\$200,000
Total Direct Costs	\$4,028,013	\$944,811	\$4,972,824	\$840,518	\$359,811	\$1,200,329
Total Indirect Costs	\$125,820	\$93,653	\$219,473	\$11,507	\$10,458	\$21,965
Total Costs	\$4,153,833	\$1,038,464	\$5,192,297	\$852,025	\$370,269	\$1,222,294
% Of Total	80	20	100	70	30	100

**Hardware / Software**

10u. Has the project team purchased the software / hardware described in the application?  Yes  No

10v. If yes, please list

Yes, the team has purchased the laptop computers and software budgeted for the full-time Project Manager and Provider Relations positions. These items were purchased on June 8, 2010 and July 8, 2010. As the Project Manager and Provider Relations staff are split equally among four states (.25 FTE per state), the State of Idaho is supporting 25% of the total costs of each item. The items purchased include a Dell Mobility Bundle (XDW8598K9) at a cost of \$10.65; a Dell-Latitude E550 laptop computer (XDWF3CWW7) at a cost of \$328.83 for the Provider Relations staff and a Dell-Latitude E550 laptop computer (XDXWD5P88) at a cost of \$352.78. The total software/hardware costs charged to the State of Wyoming are \$692.26.

10w. Please note any software / hardware that has yet to be purchased and explain why it has not been purchased

No additional hardware or software expenditures are anticipated for this project.

10x. Has the project team purchased or used any data sets?  Yes  No

10y. If yes, please list

\*\*American Roamer: Market area boundary and speed data on mobile cellular providers - \$5147

\*\*Media Prints: Cable franchise boundary database - \$500

\*\*ExchangeInfo: Legal exchange area boundary database for Incumbent Local Exchange Carriers - \$3805

10z. Are there any additional project milestones or information that has not been included?  Yes  No

10aa. If yes, please list

**\*\*Updated Interactive Map:** An updated version of the Wyoming interactive map, complete with new data collected through September 2010, was posted on the LinkWYOMING website in December. The new map includes layers showing Maximum Advertised Speed and several changes to the way provider lists are generated in large census blocks - Due Date: Dec 2010 - Status: Complete

10bb. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing

Many of the same challenges mentioned in past reports continued in Q4 - although none had a significant impact on our ability to hit key deliverables. We did make several changes to the interactive map in Q4 to address provider concerns regarding the display of data in large census blocks, but we anticipate regular changes to the site as both providers and consumers become more familiar with it and begin providing more feedback.

10cc. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project

As is mentioned in reports from other LinkAMERICA states, we continue to look forward to a revised program NOFA Technical Appendix or other formal documentation from NTIA that codifies many of the changes that have been made to the data collection and reporting process. Some providers continue to cite the initial NOFA and refuse to provide data that deviates from the original Technical Appendix in any way. It would also be very helpful to have a single document that summarizes all of the required changes that have been discussed on NTIA conference calls over the past year.

### 11. Broadband Planning

11a. Please describe progress made against all goals, objectives, and milestones detailed in the approved Project Plan. Be sure to include a description of each major activity / milestone that you plan to complete and your current status

**\*\*Key Stakeholder Interviews:** Identify and interview influential cross-disciplinary stakeholders within the state to determine most critical barriers to broadband expansion and adoption - Due: June 2010 - Status: Complete

**\*\*Publish Initial Broadband Vision Summary** - publish draft, review with stakeholders and state, and then finalize summary report of emerging state broadband priorities - Due Date: August 2010 - Status: Complete

**\*\*Wyoming Consumer Broadband Survey** - a statistically significant study of consumer internet usage and attitudes to help direct broadband planning - Due Date: December 2010 - Status: Complete

**\*\*Facilitate Regional Planning Teams:** Divide the state into appropriate regions and recruit local stakeholders and other in-state partners to draft regionally specific broadband development plans - Due Date: January 2010 - Status: Underway (Seven regions have been identified with all kick-off meetings scheduled for January 2011).

**\*\*Recruit durable in-state sponsor:** identify and formalize relationship with educational or economic development entity that can assist in regional plan development across the state - and who can work to implement plans beyond Year 2 - Due Date: Dec 2010 - Status: Complete (formal agreement with Wyoming Rural Development Council (WRDC) signed in December 2010).

**\*\*Publish Regional Broadband Investment Plans:** Work with RPTs to identify most productive short-term activities to expand broadband access and adoption in each region. Document steps to implement those activities and release final report to the public - Due Date: Q4 2011. Status: Underway

11b. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing

The team has experienced isolated skepticism of "another planning initiative", primarily among low-amenity rural communities. Team has responded by successfully framing the RPT process as an economic development activity sponsored by the WRDC, which has a strong reputation as a trusted and competent economic development leader. Recruitment of key community leaders on the seven RPTs to assist in the assembly of the regional broadband investment plans is currently on schedule.

11c. Does the Project Team anticipate any changes to the project plan for Broadband Planning?  Yes  No

11d. If yes, please describe these anticipated changes. Please note that NTIA will need to approve changes to the Project Plan before they can be implemented

N/A

### Funding

11e. How much Federal funding has been expended as of the end of the last quarter? \$0

11f. How much Remains? \$0

11g. How much matching funds have been expended as of the end of last quarter? \$0

11h. How much Remains? \$0

11i. Planning Worksheet

Personal Salaries	\$0	\$0	\$0	\$0	\$0	\$0
Personnel Fringe Benefits	\$0	\$0	\$0	\$0	\$0	\$0
Travel	\$0	\$0	\$0	\$0	\$0	\$0

11i. Planning Worksheet						
Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Materials / Supplies	\$0	\$0	\$0	\$0	\$0	\$0
Subcontracts Total	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #1	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #2	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #3	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #4	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #5	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0	\$0
Total Direct Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Indirect Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs	\$0	\$0	\$0	\$0	\$0	\$0
% Of Total	0	0	0	0	0	0

**Additional Planning Information**

11j. Are there any additional project milestones or information that has not been included?

N/A

11k. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the Project Team is employing

N/A

11l. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project

N/A

12. Certification: I certify to the best of my knowledge and belief that this report is correct and complete for performance of activities for the purpose set forth in the award documents.

12a. Typed or Printed Name and Title of Authorized Certifying Official

Karen Peterson

CEO/Executive Director

12c. Telephone  
(area code, number, and extension)

425-977-4750

12d. Email Address

kpeterson@psctl.org

12b. Signature of Authorized Certifying Official

Submitted Electronically

12e. Date Report Submitted  
(Month, Day, Year)

01-27-2011