

Award # 56-50-M09016

EdLab Group (Designated SBDD / SBI entity for the State of Wyoming)

Q4-2012 Performance Progress Report

PPR_SBI_Attachment_Data-Collection_WY

Section 2. Describe any additional project milestones that have been accomplished over this project period (Ex. Updates to state broadband maps and websites, map outreach activities)

- a) The October 1, 2012, Round 6 submission was sent to the National Telecommunications and Information Administration (NTIA) on schedule.

Status: Complete.

- b) The state interactive map was updated in November 2012. An enhancement that flags "estimated" data was added to the state map.

Status: Complete.

- c) Mobile Wireless Broadband Drive Testing and Crowd Source Application: Proof-of-concept analysis was completed in Quarter 4 (Q4)-2012. Recommended vendor and process will be presented to grantees and state stakeholders for final approval in Q1-2013.

Status: In Progress.

- d) Project Transition: LinkAMERICA met with the Wyoming Broadband Enterprise Architect to discuss the process and timeline for transitioning program elements to the state. We expect to transition hosting of the LinkWYOMING website and interactive state map by Q4-2013.

Status: In Progress.

- e) Consumer Feedback and Verification: The LinkWYOMING interactive map contains a user-feedback mechanism that identifies the precise coordinates of each point of feedback. We use the feedback received from this process to identify and investigate areas where consumer feedback conflicts with provider data. This information will be used to inform the drive test routes in Year 4.

Status: Complete.

- f) Data Format and Pre-submission Test: Proprietary and NTIA-supplied scripts are run against the final dataset prior to submission to ensure that the dataset being submitted meets NTIA model requirements. This process occurs with each data collection round. In addition, we have integrated the NTIA technology and speed

trips that were introduced in Round 5 into our test code to check for provider data that falls outside of the normal range, as determined by NTIA. If the data triggers or trips a warning flag, clarification is requested from the provider.

Status: Complete.

Section 4. Provide any other information or statistics that you think would be useful to NTIA as it assesses your broadband data collection, Validation and publication activities.

a) Broadband provider numbers from October 1, 2012, submission:

| State | Total Confirmed NOFA Compliant Providers | Provider Participating | % Provider Participating | Declined | % Declined | Non-Responsive | % Non-Responsive |
|-------|--|------------------------|--------------------------|----------|------------|----------------|------------------|
| WY | 64 | 50 | 78.13% | 3 | 4.69% | 11 | 17.19% |

b) Community Anchor Institution (CAI) numbers from October 1, 2012, submission:

| | | |
|--------------------------|------------|-----|
| Total CAI Records | 811 | |
| Broadband = Y | 637 | 79% |
| Broadband = N | 90 | 11% |
| Broadband = U | 84 | 10% |

Note: Our database defaults to "N" in some instead of "U" for Broadband Service. We are working to correct this problem which will impact the numbers reported in future rounds.

Changes in the CAI database for this submission include:

- Volunteer fire department listings that had a Post Office (PO) Box addresses were removed. Based on communication with this sector, we have determined that volunteer fire departments do not have a physical location, and therefore no broadband access point. The contact in most instances is the personal mobile phone or home phone for the acting chief for the volunteer unit.
 - Duplicate institution entries were identified and removed from the list. This update had a significant impact on the School (Kindergarten-13) sector.
- c) LinkAMERICA provided a demonstration of the State and National Broadband Maps at the first annual Wyoming Broadband Summit in October 2012. We also continue to support and represent the State Broadband Initiative (SBI) at appropriate Provider Association Meetings.

- d) A presentation and training on the use and application of the Wyoming Cost Model was provided in Q4-2012 to the state partners and other stakeholders. The forward-looking economic Cost Models, developed by CostQuest in Q3-2012, use a code base and modeling platform that develop the estimated costs of deploying and maintaining broadband services in currently unserved areas across the state. These tools will provide information to policymakers, providers and other stakeholders as they consider expansion of broadband to high-cost areas.
- e) In Q2-2012 a provider survey was developed and sent to all Internet Service Providers (ISPs) in the state to collect information regarding time investment in the program and to allow an opportunity for input on the SBI program and broadband development efforts currently underway or under consideration in the state. The information collected may have value for program match. The survey remains active on the state's data submission portal to allow for updates from providers as they continue to contribute to the program.
- f) Validation Processes:
- Third Party Data Comparison: Provider submitted data is compared against commercial data sources (such as legal exchange areas, American Roamer data files and Warren Media Prints data files) to identify obvious anomalies or areas for further investigation. This process is followed for new providers or in some instances, when changes in coverage are reported by participating providers.
 - For the October 1, 2012, submission, we updated our DataPkg.xls to include a column for the NTIA name. This column will be populated with the associated name for companies we are tracking and/or submitting data for that also appears on the third-party lists used by NTIA for assessment purposes.
 - At the start of each data collection cycle, check maps are created based on data from previous submissions for all participating providers. These maps are given to the providers in both Google Earth and Portable Document Format (PDF) to allow for multiple response and viewing options. This process allows us to reflect back to the provider how their coverage and speed data are depicted for the SBI program and provides more options and flexibility for them to submit coverage and speed updates.