

**U.S. DEPARTMENT OF COMMERCE**

**Performance Progress Report**

2. Award Or Grant Number

55-50-M09015

4. Report Date (MM/DD/YYYY)

01-28-2011

1. Recipient Name

Public Service Commission of Wisconsin

6. Designated Entity On Behalf Of:

state of Wisconsin

3. Street Address

610 North Whitney Way,

8. Final Report?

Yes

No

9. Report Frequency

Quarterly

Semi Annual

Annual

Final

5. City, State, Zip Code

Madison, WI 53705

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

As mentioned in the Q3 2010 report, only two providers have expressly refused to participate the Wisconsin program: Heircomm Networks and LiteWire Internet Services Inc. Both have been contacted and have informed the LinkAMERICA Alliance that they do not wish to participate in the program.

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

The LinkAMERICA team uses third party data and estimation techniques to augment provider data. Estimation is primarily performed using infrastructure points (Middle/Last Mile nodes, tower locations) and general engineering principles when more specific coverage information is not provided. When no coverage information is submitted by a particular provider, third party data sources are used to fill in those gaps. We have also begun collecting consumer feedback directly from our interactive map. This allows us to pinpoint the location of a report for validation, but will eventually also result in an additional layer of mapped data.

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 Wisconsin in Q4 2010:

1.) Third Party Data Comparison: As data arrives from providers we compare submissions against other data sources. An example would be the comparison of an 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.

2) Provider Validation: PDF check maps 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.

3.) 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.

4.) Consumer Feedback/Verification: The LinkWISCONSIN 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.

10g. Have you initiated verification activities?  Yes  No

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

As described above, our verification activities are ongoing. We perform all of the above processes in each data collection Round and before submittal of data to NTIA. We continue to analyze the data to address any further identified errors as we update the online maps after each data collection Round.

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

The only verification activity that has not been initiated is the drive testing of wireless signals, which is currently scheduled to begin in early 2012.

### Staffing

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

An analysis of actual hours worked in Q4 shows that the project has resulted in a total of 1.24 FTE jobs created/retained at the Prime Recipient and Sub Recipient level.

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?

n/a

10n. Staffing Table

| Job Title                            | FTE % | Date of Hire |
|--------------------------------------|-------|--------------|
| CEO - Supervisory Role               | 1     | 11/01/2009   |
| Project Director                     | 13    | 11/01/2009   |
| Project Manager                      | 22    | 11/01/2009   |
| GIS Director                         | 42    | 11/01/2009   |
| Internal System Support/Architecture | 13    | 11/01/2009   |
| Provider Relations Manager           | 36    | 11/01/2009   |

Add Row

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### 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./LinkAMERICA Alliance | Project Management/GIS Programming & Planning Services | Y                | Y                       | 11/01/2009 | 10/31/2011 | 1,717,684     | 0             |

Add Row

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### Funding

10p. How much Federal funding has been expended as of the end of the last quarter? \$885,237      10q. How much Remains? \$3,654,914

10r. How much matching funds have been expended as of the end of last quarter? \$288,877      10s. How much Remains? \$842,525

10t. Budget Worksheet

| Mapping Budget Element | Federal Funds Granted | Proposed In-Kind | Total Budget | Federal Funds Expended | Matching Funds Expended | Total Funds Expended |
|------------------------|-----------------------|------------------|--------------|------------------------|-------------------------|----------------------|
|                        |                       |                  |              |                        |                         |                      |

| Mapping Budget Element    | Federal Funds Granted | Proposed In-Kind | Total Budget | Federal Funds Expended | Matching Funds Expended | Total Funds Expended |
|---------------------------|-----------------------|------------------|--------------|------------------------|-------------------------|----------------------|
| Personal Salaries         | \$537,572             | \$321,380        | \$858,952    | \$0                    | \$83,524                | \$835,240            |
| Personnel Fringe Benefits | \$156,929             | \$127,301        | \$284,230    | \$0                    | \$34,669                | \$34,669             |
| Travel                    | \$27,500              | \$5,770          | \$33,270     | \$0                    | \$952                   | \$952                |
| Equipment                 | \$57,928              | \$9,950          | \$67,878     | \$0                    | \$0                     | \$0                  |
| Materials / Supplies      | \$4,400               | \$9,950          | \$14,350     | \$0                    | \$801                   | \$801                |
| Subcontracts Total        | \$3,679,503           | \$0              | \$3,679,503  | \$885,237              | \$0                     | \$885,237            |
| Subcontract #1            | \$1,717,684           | \$0              | \$1,717,684  | \$885,237              | \$0                     | \$885,237            |
| Subcontract #2            | \$1,961,819           | \$0              | \$1,961,819  | \$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                   | \$608,726        | \$608,726    | \$0                    | \$168,931               | \$168,931            |
| Total Direct Costs        | \$4,463,832           | \$1,074,129      | \$5,537,961  | \$885,237              | \$288,877               | \$1,174,114          |
| Total Indirect Costs      | \$0                   | \$41,761         | \$41,761     | \$0                    | \$0                     | \$0                  |
| Total Costs               | \$4,463,832           | \$1,115,890      | \$5,579,722  | \$885,237              | \$288,877               | \$1,174,114          |
| % Of Total                | 80                    | 20               | 100          | 75                     | 25                      | 100                  |

### Hardware / Software

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

10v. If yes, please list

1) Laptop computers and software for Years 1-2 were purchased for the Project Manager and Provider Relations staff members at a cost of \$692 (costs were split between the four LinkAMERICA states). Twenty-five percent of the costs were allocated to WI.

6/4/2010: Dell-Mobility Bundle-Provider Relations-XDW8598K9/ Computer Equip < \$5000 / \$42.60/ 25% / \$10.65

6/8/2010: Dell-Latitude E550-Provider Realties-XDWF3CWW7 / Computer Equip < \$5000 / \$1,315.30 / 25% / \$328.83

7/8/2010: Dell-Latitude, Program Manager XDXWD5P88 / Computer Equip < \$5000 / \$1,411.13/ 25% / \$352.78

Total equipment costs allocated to WI: \$692.26

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

1) Additional hardware and software in the amount of \$30,928 has been approved for Year 2 via the "Address File" project approved in the Supplemental grant award. This equipment has not yet been purchased because the Address File project is not yet underway.

2) Additional hardware and software in the amount of \$25,000 for the Mapping project has been approved in Year 5 via the Supplemental grant award. This equipment has not yet been purchased because it will not be needed until the last year of the project as the state takes over hosting and management of the provider database and interactive maps.

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

10y. If yes, please list

American Roamer (\$5147), Media Prints (\$500), and ExchangeInfo (\$3805)

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

10aa. If yes, please list

An updated version of the Wisconsin interactive broadband map, using data collected through September, was launched in early

December 2010. This is a major project milestone.

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

Our primary challenges and obstacles have been described in past reports. Many have been addressed but some will continue for the duration of the project. No notable new challenges arose in Q4 2010.

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

Most of the information provided in past reports still applies. 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

Recruitment for all nine Regional Planning Teams (RPT) continued in Q4 and the Public Service Commission of Wisconsin approved membership in six of the nine RPTs. Five regions held their initial RPT orientation meetings with the remainder scheduled for early 2011. The Planning Team also released videos outlining the key priorities unveiled through the Year 1 stakeholder interview process and introducing the general public to the benefits of expanded broadband. Dedicated pages were developed on the LinkWISCONSIN web site for each of the nine planning regions and all planning materials and meeting notes have been posted for public review. The consumer internet survey was finalized at the end of November and responses tabulated in December.

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

No major obstacles have been identified that will impact the team's ability to meet project goals/objectives.

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 |
| 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 |

11i. Planning Worksheet

|                      |     |     |     |     |     |     |
|----------------------|-----|-----|-----|-----|-----|-----|
| 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?

No further information

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

No challenges have been encountered that will hinder our ability to complete the assigned tasks and achieve program goals.

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

No further information.

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

Sarah Klein

Division Administrator

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

608-266-3587

12d. Email Address

sarah.klein@psc.state.wi.us

12b. Signature of Authorized Certifying Official

Submitted Electronically

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

02-17-2011