

U.S. DEPARTMENT OF COMMERCE

Performance Progress Report

2. Award Or Grant Number

31-50-M09058

4. Report Date (MM/DD/YYYY)

07-12-2012

1. Recipient Name

Nebraska Public Service Commission

6. Designated Entity On Behalf Of:

Nebraska

3. Street Address

300 The Atrium Building, 1200 N Street,

8. Final Report?

Yes

No

9. Report Frequency

Quarterly

Semi Annual

Annual

Final

5. City, State, Zip Code

Lincoln, NE 68508

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

01-01-2010

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

12-31-2014

7b. Reporting Period End Date:

06-30-2012

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

One provider has continually refused to provide data: Community Internet Systems, Inc., a/d/a Wire Free Nebraska, Inc. The provider has expressed concerns related to showing the competition where its coverage area is. The NPSC has reached out to this provider to schedule a meeting to discuss the importance of providing data for this 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

We are also extracting data from crowdsourcing information from the feedback in the interactive map, speed test results, and information gathered by the planning team.

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

We are currently planning on deploying a Subject Matter Expert (SME) administrative portal that will allow the team to review, verify, comment on and highlight potential issues of a specified provider's coverage area via an interactive map.

The Nebraska public broadband map will also be enhanced to supply additional views available to the team and regional broadband planning regions or coaches. We are encouraging the coaches to review the coverage in their region and supply feedback via the map. This will be incorporated in our continuous discussions with the providers, leading to further refinement or enhancement of the provider's footprint.

Currently we are reviewing the potential of performing additional drive testing throughout the state, but are working with other grantees initially to understand the challenges or obstacles, lessons learned and suggestions on approaching these types of verification activities.

10g. Have you initiated verification activities? Yes No

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

Verification activities have been ongoing. With the new mapping vendor some verification activities are changing and will be incorporated with the next data submission.

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

Not applicable.

Staffing

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

2.58 FTEs for the quarter ending 06/30/12, consisting of .44 FTEs for the NPSC, .94 FTEs for the University, and 1.20 for BroadMap.

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

The project is fully staffed.

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

2.58 FTEs. The project is fully staffed.

10n. Staffing Table

| Job Title | FTE % | Date of Hire |
|---------------------------------------|-------|--------------|
| Executive Director | 5 | 10/22/2007 |
| Department Director | 5 | 02/17/1976 |
| Attorney | 5 | 02/07/2000 |
| Analyst | 15 | 07/14/2003 |
| Economist | 5 | 05/24/1999 |
| Business Manager | 2 | 05/01/2000 |
| Accountant | 2 | 11/07/1994 |
| Accountant | 5 | 11/14/1977 |
| Project Manager-University | 33 | 01/13/2010 |
| Regional Coaches-University | 31 | 01/13/2010 |
| Conference Coordinator-University | 30 | 01/13/2010 |
| QC Specialist-BroadMap | 3 | 01/04/2012 |
| Data Sourcing Manager-BroadMap | 9 | 01/04/2012 |
| Tech. Project Manager-BroadMap | 12 | 01/04/2012 |
| Sr. GIS Analyst- BroadMap | 13 | 01/04/2012 |
| Sr. GIS Analyst-BroadMap | 3 | 01/04/2012 |
| Database Engineer-BroadMap | 1 | 01/04/2012 |
| Program Manager-BroadMap | 37 | 01/04/2012 |
| Database Engineer/Web Design-BroadMap | 41 | 01/04/2012 |
| Director, Finance-BroadMap | 1 | 01/04/2012 |

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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 |
|-----------------------|------------------------|------------------|-------------------------|------------|----------|---------------|---------------|
| | | | | | | | |

| | | | | | | | |
|-----------------------|--|---|---|------------|------------|-----------|---------|
| Apex | Data Collection, Verification, Integration and Display | Y | Y | 01/20/2010 | 12/31/2011 | 1,376,716 | 170,750 |
| Outreach Coordinator | To increase provider participation in Broadband Mapping | N | N | 07/01/2012 | 10/31/2014 | 260,000 | 0 |
| BroadMap | Data Collection, Verification, Integration and Display | Y | Y | 01/06/2012 | 10/31/2014 | 749,847 | 0 |
| Future Best Practices | To implement best practices recommended for data collection, integration, verification and display | N | N | 01/01/2013 | 10/31/2014 | 128,500 | 0 |
| DED/Gallup | Business Survey and Best Practices for Broadband Planning | N | Y | 12/07/2010 | 12/31/2014 | 175,000 | 0 |
| AIM Institute | Statewide Broadband Conference and Broadband Planning | N | N | 09/27/2011 | 01/31/2014 | 464,179 | 260,000 |
| GIS Database Hosting | Contract with the State of Nebraska to host GIS database server | N | N | 01/01/2013 | 12/31/2014 | 19,200 | 0 |
| Future Services | Additional contract for data integration, GIS hosting, and enhancements | N | N | 12/01/2013 | 12/31/2014 | 234,820 | 0 |
| GeoComm | GIS Mapping enhancements for Data Verification | N | Y | 10/18/2010 | 11/17/2010 | 11,207 | 0 |

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Funding

10p. How much Federal funding has been expended as of the end of the last quarter? \$2,267,467 10q. How much Remains? \$3,395,318

10r. How much matching funds have been expended as of the end of last quarter? \$1,150,112 10s. How much Remains? \$702,522

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 | \$898,699 | \$266,352 | \$1,165,051 | \$217,780 | \$96,157 | \$313,937 |
| Personnel Fringe Benefits | \$218,410 | \$71,482 | \$289,892 | \$50,006 | \$13,993 | \$63,999 |
| Travel | \$184,539 | \$8,500 | \$193,039 | \$23,110 | \$0 | \$23,110 |
| Equipment | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Materials / Supplies | \$233,220 | \$0 | \$233,220 | \$137,612 | \$0 | \$137,612 |
| Subcontracts Total | \$3,419,469 | \$430,750 | \$3,850,219 | \$1,768,850 | \$23,764 | \$1,792,614 |
| Subcontract #1 | \$1,376,716 | \$170,750 | \$1,547,466 | \$1,376,716 | \$0 | \$1,376,716 |
| Subcontract #2 | \$749,847 | \$0 | \$749,847 | \$210,759 | \$0 | \$210,759 |
| Subcontract #3 | \$260,000 | \$0 | \$260,000 | \$0 | \$0 | \$0 |
| Subcontract #4 | \$128,500 | \$0 | \$128,500 | \$0 | \$0 | \$0 |
| Subcontract #5 | \$904,406 | \$260,000 | \$1,164,406 | \$181,375 | \$23,764 | \$205,139 |
| Construction | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Other | \$319,795 | \$998,973 | \$1,318,768 | \$0 | \$979,135 | \$979,135 |

| Mapping Budget Element | Federal Funds Granted | Proposed In-Kind | Total Budget | Federal Funds Expended | Matching Funds Expended | Total Funds Expended |
|------------------------|-----------------------|------------------|--------------|------------------------|-------------------------|----------------------|
| Total Direct Costs | \$5,274,132 | \$1,776,057 | \$7,050,189 | \$2,197,358 | \$1,113,049 | \$3,310,407 |
| Total Indirect Costs | \$388,653 | \$76,577 | \$465,230 | \$70,109 | \$37,063 | \$107,172 |
| Total Costs | \$5,662,785 | \$1,852,634 | \$7,515,419 | \$2,267,467 | \$1,150,112 | \$3,417,579 |
| % Of Total | 75 | 25 | 100 | 66 | 34 | 100 |

Hardware / Software

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

10v. If yes, please list

2-Dell Vostro 1520 Laptop Computers w/ Windows XP for wireless drive test and verification \$1228.37;
 1-Dell Database Server and operating system: \$4727.89;
 1-Dell Server and operating system: \$646.09;
 1-Mapping Server and operating system: \$646.09;
 Oracle Database License: \$5,037.07;
 SQL Software License: \$7,351.57;
 Windows Server License: \$637.23;
 ESRI ArcInfo Concurrent User License and ESRI ArcGIS Server License: \$28,276.28;
 25 CN50 PDAs w/customer software for door-to-door interviews and data verification: \$39,887.25; and
 Media Prints-Cable Franchise for Nebraska: \$2,625.00

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

We have purchased all software and hardware expected for this project to date.

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

10y. If yes, please list

Tiger Data Files-Available from the Census Bureau;
 Various GIS Data sets from the NPSC;
 Media Prints-Cable Franchise Boundary Data

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

10aa. If yes, please list

All milestones have been included.

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

With the verification efforts continuing, there's occasionally a challenge balancing conflicts identified during the verification process and requesting updates or corrections in data collected/reported by the provider. We feel we need to ensure the map is an accurate representation of broadband availability, but we also need to ensure the cooperation of the providers.

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

The mapping team continues to provide demonstrations of the state and national map at events located within the state.

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

- Capacity Building:

o Government and Economic Developer Survey Over 3,500 members of the Nebraska Economic Development Association, Nebraska Association of County Officials, League of Nebraska Municipalities and the Nebraska Chamber are being surveyed.

| 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.

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

There are no other challenges or obstacles at this time.

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

The NPSC is continuing to search out best practices from mapping entities in other states, particularly with respect to verification. We think it may be beneficial to have a webinar on verification techniques for wireless coverage areas.

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

Shanicee Knutson

Legal Counsel

12c. Telephone
(area code, number, and extension)
(402) 471-3101

12d. Email Address
shana.knutson@nebraska.gov

12b. Signature of Authorized Certifying Official

Submitted Electronically

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

08-14-2012