

U.S. DEPARTMENT OF COMMERCE

Performance Progress Report

2. Award Or Grant Number

30-50-M09049

4. Report Date (MM/DD/YYYY)

07-20-2011

1. Recipient Name

MONTANA DEPARTMENT OF COMMERCE

6. Designated Entity On Behalf Of:

N/A

3. Street Address

301 South Park Avenue, P.O. Box 200501,

8. Final Report?

Yes
 No

9. Report Frequency

Quarterly
 Semi Annual
 Annual
 Final

5. City, State, Zip Code

Helena, MT 59601-6282

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:

06-30-2011

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

AT&T. Have had phone discussions with AT&T about providing data - however without any NDA they are refusing to provide the State with any data. AT&T is a new provider to the State.

Montana's Constitution imposes unique and extraordinary challenges on companies that wish to protect their confidential and proprietary information from disclosure with State Government. The public's right to know is protected by the Montana Constitution, and this right has been strengthened and delineated by the Montana Supreme Court. The Department's NDA and Affidavit comport very specifically to this right – placing the burden on the owner of the confidential information to specify what documents should be kept from public view. Because of this process the State has had no success in getting any signed NDA's. Despite having no NDA's signed, a significant number of providers, including most the large ones, have provided some data without an NDA.

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

Montana has taken on a vast array of alternatives to collect data by other means and has been successful in collecting the data via alternative measures Here is a list of the data sources we have used:

- Commercial data providers - infrastructure
- Crowd sourced – infrastructure and coverage
- Provider web sites – infrastructure and coverage
- Government records – infrastructure and coverage
- PSC Records - Central offices and Remote terminals / subscriber data and lines
- Web Research
- Field Research
- PSC Office Research
- Using FCC data & other public sources - Form 477 by providers, zip code data
- FAA records
- Proposals submitted to state contracting opportunities by providers

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

We have developed a system to quantify “validated” data for the purpose of determining what is suitable for delivery to NTIA. The operational data model maintains reliability and validity codes, together with completeness checks to track which data elements are complete or still in process of refinement. Infrastructure is compared to public data, independent measurements, and telecommunications provider submittals at varying levels of geography. As more data is obtained from providers and systematically checked against infrastructure points, the reliability and validity progress along the spectrum from 1 (not validated or reliable) to 10 (validated and reliable). Completeness is primarily dependent on provider input, and can be supplemented in many instances with independent measurements. The process is iterative. Our validation methods provides the ability to use general information and

iteratively cross check and improve the coverage models as more accurate data is obtained.

10g. Have you initiated verification activities? Yes No

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

Verification has been completed for all data submitted to NTIA

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

N/A

Staffing

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

1.21

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

In addition to what is listed there is a Program Manager Position and a Program Specialist Position with the Montana Department of Commerce that are newly created position(s) (2 FTE) for this grant. These position(s) are being funded by state match through June 2011. From July 2011 going forward these will be funded by Federal funds. In addition, there is also a position available (1FTE) for Capacity Building that is estimated to be filled in year 2 or 3 as that part of the program begins.

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

4.0

10n. Staffing Table

Job Title	FTE %	Date of Hire
Project Manager - Tetra Tech (0.48 FTE)	48	01/15/2010
Broadband Mapping Lead - Tetra Tech (0.5 FTE)	50	01/15/2010
Broadband Sr. GIS Analyst - Tetra Tech (0.23 FTE)	23	01/15/2010

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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
Tetra Tech EM	Collecting, processing, formatting data, mapping its usage, and providing this data to NTIA. Web Portal Development and Data Verification.	Y	Y	01/15/2010	12/31/2014	1,850,000	0
Montana ITSD	Data migration to allow data sharing with Montana's Base Map Services, allowing data to be openly shared to public and private entities.	N	N	01/01/2012	12/31/2014	230,000	0

TBD	Conduct a state wide benchmark survey on digital literacy in year 2 with a follow-up survey in year 4 or 5.	N	N	01/01/2012	12/31/2014	110,000	0
Certified Regional Development Corporations	Collection of information from area entities and business to determine the degree of need for expansion of Internet adoption and digital literacy.	Y	Y	07/01/2011	12/31/2014	390,000	0
TBD	For consultants, speakers, trainers and other partnerships to assist in the Local/Regional Training as well as the Capacity Building	N	Y	04/01/2011	12/31/2014	400,000	0
TBD	To assist MT with best practices implementation	N	N	07/01/2011	12/31/2014	100,000	0

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Funding

10p. How much Federal funding has been expended as of the end of the last quarter? \$688,887 10q. How much Remains? \$5,395,939
 10r. How much matching funds have been expended as of the end of last quarter? \$604,336 10s. How much Remains? \$917,704
 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	\$840,500	\$211,100	\$1,051,600	\$0	\$169,526	\$169,526
Personnel Fringe Benefits	\$178,750	\$111,400	\$290,150	\$0	\$43,461	\$43,461
Travel	\$122,698	\$19,914	\$142,612	\$2,229	\$5,685	\$7,914
Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Materials / Supplies	\$74,858	\$8,000	\$82,858	\$1,262	\$9,319	\$10,581
Subcontracts Total	\$3,080,000	\$0	\$3,080,000	\$679,151	\$0	\$679,151
Subcontract #1	\$1,850,000	\$0	\$1,850,000	\$671,118	\$0	\$671,118
Subcontract #2	\$230,000	\$0	\$230,000	\$0	\$0	\$0
Subcontract #3	\$110,000	\$0	\$110,000	\$0	\$0	\$0
Subcontract #4	\$390,000	\$0	\$390,000	\$0	\$0	\$0
Subcontract #5	\$500,000	\$0	\$500,000	\$8,033	\$0	\$8,033
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$1,713,072	\$1,141,714	\$2,854,786	\$6,245	\$376,345	\$382,590
Total Direct Costs	\$6,009,878	\$1,492,128	\$7,502,006	\$688,887	\$604,336	\$1,293,223
Total Indirect Costs	\$74,949	\$29,912	\$104,861	\$0	\$0	\$0
Total Costs	\$6,084,827	\$1,522,040	\$7,606,867	\$688,887	\$604,336	\$1,293,223
% Of Total	80	20	100	53	47	100

Hardware / Software

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

10v. If yes, please list

N/A

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

N/A

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

10y. If yes, please list

N/A

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

10aa. If yes, please list

N/A

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

State does not have any NDAs with providers due to Montana's open records laws. This poses challenges and obstacles getting accurate data at a detail level. To mitigate this, the state is using a gradient scale for validation/authentication of provider data that is obtained. Future efforts will also go into continual efforts to refine current tools; to utilize public data and validation through these refined measures; as well as continue efforts to work with providers to validate data.

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

N/A

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

Preliminary planning meetings underway with both public and private entities. Discussions have focused on goals and objectives of the planning efforts and who the preliminary stakeholders may be and options available.

Discussions have begun on the development of Montana Broadband Task Force, whom should be involved, considered etc.

* Small Business Case Study - outlining small businesses across Montana that use Broadband to successfully operate - 60% complete

* RFP completed and public scoring finished for State Facilitator to travel the state in structured workshops/meetings with CRDCs to assess broadband levels of adoption across state. Public meeting will be scheduled for Q3 2011.

* WEbinar with CRDCs. Discussion/planning on developing workshop planning for 10 regions in the state.

* Continued meetings and discussions for Tribal Facilitator to allow for a more specialized approach to address the 7 tribal nations in Montana. Review protocol.

* Meeting with the Montana Independent Telco Systems general manager to discuss broadband outreach meetings.

* Montana Broadband website under development expected to be live in Q3 2011.

* Participated in Native American Development Corporation summit to help incorporate/educate some broadband discussions and promote speed test participation.

* Attending conference in Texas for SBDD grantees and further develop best practices.

* Began Survey Development Planning

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

Program has started communications with some tribal officials and will continue these efforts going forward to begin building the relationships needed with the Tribal Nations in Montana so that we can have successful outcomes with them going forward. We are very optimistic that we will get a good working relationship established that will help greatly moving forward.

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
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?

In addition to the workshops/meetings that the Broadband program will be doing with the CRDCs, and in addition to the very large statistically significant survey we are developing for deployment, we are looking at adding several components to our website, such as speed test results, and citizen opinions, all mapped geographically. If are looking for a Q3 - Q4 2011 time frame.

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

The summer/fall is a big time for Tribal Festivals in Montana and so we have decided to slow our efforts slightly in the Tribal efforts in order to respect the cultural importance of this time of year for the Tribes. We expect to resume at full speed after their festivals.

11I. 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

Chad Hultin

Broadband Mapping Program Mgr.

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

(406) 841-2875

12d. Email Address

chultin@mt.gov

12b. Signature of Authorized Certifying Official

Submitted Electronically

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

08-03-2011