U.S. DEPARTMENT OF COMMERCE

Performance Progress Report

2. Award Or Grant Number
32-50-M09056

4. Report Date (MM/DD/YYYY)
09-13-2010

1. Recipient Name
Connected Nation, Inc - Nevada

6. Designated Entity On Behalf Of:
Nevada

3. Street Address
1020 College Street, P.O. Box 3448,

8. Final Report?
○ Yes
◉ No

9. Report Frequency
◉ Quarterly
○ Semi Annual
○ Annual
○ Final

5. City, State, Zip Code
Bowling Green, KY 42102-3448

7. Project / Grant Period Start Date: (MM/DD/YYYY)	7a. End Date: (MM/DD/YYYY)	8. Reporting Period End Date: (MM/DD/YYYY)	9a. If Other, please describe:
12-20-2009	12-19-2014	09-30-2010	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
54	54	41	3	49	49

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

N/A

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 have not collected any data through extraction programs.

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

ESRI is deploying and hosting Connected Nation's BroadbandStat (BBStat) web application. ESRI will house the customized BBStat application in their highly-available, monitored and managed environment. The scope of services includes setting up a staging environment for data verification and compatibility as well as a production environment for client access.
Connected Nation also collects consumer feedback in the form of broadband inquiries. These inquiries represent any type of communication received from the public regarding broadband service. Once broadband inquiries are received across the state, this information is overlaid with the broadband availability information which was collected through the SBDD program. This allows for a real-world comparison of the broadband landscape to the information received from broadband inquiries. Broadband inquiries are able to provide three types of information: 1) residents who do not have broadband but want it; 2) residents who have broadband but want a different provider; and 3) residents who do not have broadband, but the broadband inventory maps indicate that they do. If residents within a region state that they are without broadband, but the broadband inventory maps show otherwise, this allows Connected Nation to approach the providers within that area in an effort to trim down their coverage to more accurately represent real-world availability on the ground.
Before December 31, 2010 Connected Nation will target an additional 2 randomly selected companies in order to achieve a total field validation rate equal to or exceeding 20%.

10g. Have you initiated verification activities? ◉ Yes ○ No

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

BroadbandStat is publicly available on the Connect Nevada website and received a total of 182 visits between July 1, 2010 and September 30, 2010.

During this quarter, the Connect Nevada project has received a total of one (1) broadband inquiry. Additional information received through e-mail from consumers that can also be used for verification purposes totaled 1 for this quarter.

The Connected Nation team conducted field validation activities such as (a) cross-referencing provider submitted data; (b) on-site validation visits or on-site meetings with providers; (c) conducting random and pre-selected spectrum analysis studies throughout the state; (d) locating broadcast towers and cross-referencing structural data against the Federal Communications Commission Antenna Structure Registration database; and (e) validating site information such as grade, coordinates, and throughput speeds.

Nevada has more mountain ranges than any other state which, effectively, creates a unique opportunity for the use of fixed wireless services. In fact, 46.2% of the viable providers identified by Connected Nation are fixed wireless providers. Validation activities were completed at 20 test points against 9 unique broadband providers. This translates into a 16.67% viable provider validation rate in Nevada. Subsequent validation activities scheduled for Q4 2010 will include an analysis of backhaul and fiber facilities scattered throughout the state.

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?

4.35

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?

4.35   Please note that we use functional job titles and these titles may be staffed by multiple individuals. Their hire dates vary so for the purpose of uploading a complete report, we have used a hire date of 1/1/2010 to signify various hire dates.

10n. Staffing Table

Job Title	FTE %	Date of Hire
Associate Counsel	4	01/01/2010
Business Programmer Analyst	1	01/01/2010
CAI Data Analyst	10	01/01/2010
CAI Data Manager	4	01/01/2010
ETS Analyst	55	01/01/2010
ETS Manager	4	01/01/2010
General Counsel	4	01/01/2010
GIS Analyst	60	01/01/2010
GIS Intern	1	01/01/2010
GIS Services Manager	5	01/01/2010
Outreach & Awareness Manager	2	01/01/2010
Outreach & Awareness Specialist	10	01/01/2010
Project Coordinator	3	01/01/2010
Project Management Director	2	01/01/2010
Project Manager	74	01/01/2010
Provider Relations Manager	7	01/01/2010
Provider Relations Specialist	8	01/01/2010
Research & GIS Analyst	2	01/01/2010
Research Analyst	95	01/01/2010
Research Manager	7	01/01/2010
State Services Associate	56	01/01/2010
State Services Manager	9	01/01/2010
State Services Specialist	11	01/01/2010
State Services Sr. Specialist	1	01/01/2010

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
Throughbred Research Group	Research Surveys	Y	Y	02/09/2010	02/08/2012	$87,350	$0

Add Row	Remove Row

Funding

10p. How much Federal funding has been expended as of the end of the last quarter? $551,768   10q. How much Remains? $3,441,673

10r. How much matching funds have been expended as of the end of last quarter? $188,586   10s. How much Remains? $879,387

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	$1,225,643	$272,721	$1,498,364	$141,776	$66,006	$207,782
Personnel Fringe Benefits	$262,898	$0	$262,898	$37,556	$16,470	$54,036
Travel	$260,881	$0	$260,881	$23,699	$94	$23,793
Equipment	$134,194	$0	$134,194	$63,035	$0	$63,035
Materials / Supplies	$42,431	$0	$42,431	$18,951	$0	$18,951
Subcontracts Total	$802,096	$75,649	$877,745	$128,333	$40,428	$168,761
Subcontract #1	$157,109	$0	$157,109	$43,675	$0	$43,675
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	$111,699	$628,571	$740,270	$6,409	$12,330	$18,739
Total Direct Costs	$2,839,842	$976,941	$3,816,783	$419,769	$135,328	$555,097
Total Indirect Costs	$1,153,599	$91,032	$1,244,631	$131,999	$53,258	$185,257
Total Costs	$3,993,441	$1,067,973	$5,061,414	$551,768	$188,586	$740,354
% Of Total	79	21	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

Hardware/software purchases for the project to date include the following:

• BroadbandStat
• ESRI ArchInfo/ArcGIS Software
• ESRI Software Maintenance
• Computers
• Ookla Net Metrics Speed Test Software
• Spectrum Analyzer

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

Remaining purchases may include SQL server for mapping geodatabase, SQL server software, multiple dedicated storage servers, security application, additional backup replication solution, computers, GPS units BroadbandStat maintenance, ESRI ArchInfo/ArcGIS maintenance, and speed test updates as well as computers and software maintenance.

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
* Requested, received, and processed updates to broadband coverage coordinate datasets and delivered 49 datasets representing 54 providers on September 29.
* Connect Nevada conducted in-field provider broadband coverage validation work on nine provider companies September 7 to 9.
* Maintained the budget/finance cost model as well as the project work plan and Work Breakdown Structure for Connect Nevada.
* Continued developing and implementing the marketing and communications strategy.
* Changes were made to the Connect Nevada website messaging surrounding the mapping language. Maps are described as more of a draft to reflect the developing nature of the map accuracy.
* An expanded explanation of the mapping methodologies, the addition of a FAQ page and links to resource documents, the addition of a data request link, and increased solicitation of public feedback to help in the validation process were added to the Connect Nevada Web portal.
* On September 23, Connect Nevada presented the first draft of a state specific planning report designed to support the development of a Broadband Strategic Plan by the Nevada Broadband Task Force.
* Work continued toward identifying Community Anchor Institutions and obtaining data.
* Residential survey research was completed, analyzed, packaged, and delivered.
* Business survey research was completed, analyzed, and packaged.
* Continued provider outreach efforts and updated the broadband data collection and provider database accordingly.
* Produced and distributed monthly status reports, data collection and provider activity logs, and website statistics during regularly scheduled meetings with the Nevada Broadband Task Force.
* Connect Nevada composed and submitted the SBDD Amended and Supplemental Grant Program application on July 1 to NTIA and then revisions as requested on August 5 and August 13. The application was approved, extending the grant for an additional 3 years through December of 2014.

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

N/A

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

On September 27, Connect Nevada received notice of a grant award extending SBDD mapping and planning activities for an additional three years. The project plan is being revised to include these new activities. Details of the new plan will be reported in the fourth quarter.

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

On behalf of the state of Nevada (NV), Connected Nation (CN) is working with subcontractors to collect and analyze demand-side data through statistical telephone surveys. The surveys collect data on broadband and computer use and barriers to use among residents by demographic and businesses by size and industry sector. CN provided an initial overview of the residential survey results to the state in Q2, 2010, and a more comprehensive report in Q3, 2010. In addition, CN designed the 2010 NV business survey, which was conducted by Thoroughbred Research in Q2-Q3, 2010. Analysis of this data commenced in Q3, 2010, and results

are scheduled to be released in Q4, 2010. Updates to the residential and business surveys are scheduled to occur in Q1, 2011 and Q3, 2011, respectively.

This data was analyzed along with supply-side broadband data gathered through the NV SBDD mapping grant. The primary tool for this ongoing analysis is BroadbandStat, an interactive, web-based GIS application that offers location-based consumer feedback on the accuracy of the map, as well as an interactive tool for data analysis, planning, and decision-making.

Connect Nevada, in coordination with the state of Nevada and the Nevada Broadband Task Force, will complete an initial planning report for the state during Q4, 2010. This report will serve as a preliminary assessment of broadband infrastructure and adoption in Nevada. The purpose of its development and release is to provide a detailed review of the current state of broadband in Nevada and spark discussion across multiple broadband stakeholders in the state on key policy and strategies to expand and enhance broadband services. The report will be formally presented to the Nevada Broadband Task Force and released publicly within the state during Q4, 2010. It will also be available for public review and comment on the Connect Nevada website.

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

Connected Nation has been working closely with the state of Nevada and the Nevada Broadband Task Force to ensure that our work exceeds expectations. During Q3, 2010, there were no significant obstacles during the planning process.

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

On September 27, Connect Nevada received notice of a grant award extending SBDD mapping and planning activities for an additional three years. The project plan is being revised to include these new activities. Details of the new plan will be reported in the fourth quarter.

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

Planning Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
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?

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

All planning costs have been combined with the mapping costs and reported in the mapping section above.

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 Bernie Bogle	12c. Telephone (area code, number, and extension)
	12d. Email Address bbogle@connectednation.org
12b. Signature of Authorized Certifying Official Submitted Electronically	12e. Date Report Submitted (Month, Day, Year) 10-27-2010