

U.S. DEPARTMENT OF COMMERCE

Performance Progress Report

2. Award Or Grant Number

32-50-M09056

4. Report Date (MM/DD/YYYY)

01-12-2011

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)

12-20-2009

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

12-19-2014

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

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.

Connected Nation has targeted 8 providers for field validation testing during Q1 2011. This would account for a 14.82% lift from year-end 2010 and would position Connected Nation to realize a 37.04% overall completion rate.

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 349 visits between October 1, 2010 and December 31, 2010.

During this quarter, the Connect Nevada project has received a total of 3 broadband inquiries.

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. Of the viable providers identified by Connected Nation, 46.2% are fixed wireless providers who have discovered ways to maximize the state's mountainous terrain for the purpose of delivering broadband services to the more rural and remote areas of the state. Validation activities were completed at 39 test points (19 of which were completed during Q4) against 12 unique broadband providers (4 unique providers during Q4). This translates into a 22.22% completed field validation rate in Nevada.

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?

3.03

Connected Nation has numerous staff working on this project, some at only a small percentage of their time. This approach is beneficial to the project in various ways: some staff provide necessary project support, many staff work together utilizing a team approach, and others are subject matter experts in their respective areas and by leveraging their expertise the project benefits by their knowledge and skills without the necessity of supporting a more expensive full-time resource.

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 positions not currently staffed are related to the new broadband capacity activities that are only just beginning and as such have no impact on the project's time line. The positions are expected to be filled during the first and second quarters of 2011.

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

4.03

10n. Staffing Table

Job Title	FTE %	Date of Hire
Associate Counsel	2	09/14/2009
Business Programmer Analyst	1	04/02/2007
CAI Data Analyst	10	03/24/2009
CAI Data Manager	2	08/09/2010
ETS Analyst	3	11/01/2007
ETS Analyst	15	02/08/2010
ETS Manager	6	07/01/2007
ETS Sr. Analyst	1	02/18/2010
General Counsel	5	01/01/2007
GIS Analyst	1	09/17/2007
GIS Analyst	61	04/01/2010
GIS Services Manager	4	05/15/2007
Outreach & Awareness Manager	7	03/24/2009
Outreach & Awareness Specialist	1	01/03/2010
Outreach & Awareness Specialist	6	01/04/2010

Outreach & Awareness Specialist	7	01/04/2010
Outreach & Awareness Specialist	8	02/02/2009
Project Coordinator	3	04/01/2005
Project Management Director	2	12/20/2004
Project Manager	6	09/04/2007
Project Manager	1	12/16/2009
Project Manager	2	01/14/2008
Project Manager	2	03/16/2010
Project Manager	23	08/20/2007
Provider Relations Manager	7	02/17/2005
Provider Relations Specialist	3	11/03/2009
Research & GIS Analyst	2	05/14/2007
Research Analyst	1	06/01/2009
Research Analyst	8	02/01/2010
Research Manager	3	05/14/2007
State Services Associate	91	12/20/2009
State Services Manager	8	07/01/2007
Research Analyst	1	03/22/2010

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
Contract Labor	Contract Labor	N	Y	12/20/2009	12/19/2014	477,079	75,649
ESRI	Hosting	N	Y	02/03/2010	02/02/2012	38,682	0

Funding

10p. How much Federal funding has been expended as of the end of the last quarter? \$728,377 10q. How much Remains? \$3,265,064
 10r. How much matching funds have been expended as of the end of last quarter? \$210,368 10s. How much Remains? \$857,605

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	\$183,298	\$70,431	\$253,729
Personnel Fringe Benefits	\$262,898	\$0	\$262,898	\$38,423	\$17,777	\$56,200

Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
Travel	\$260,881	\$0	\$260,881	\$28,380	\$95	\$28,475
Equipment	\$134,194	\$0	\$134,194	\$63,035	\$0	\$63,035
Materials / Supplies	\$42,431	\$0	\$42,431	\$19,310	\$0	\$19,310
Subcontracts Total	\$802,096	\$75,649	\$877,745	\$136,301	\$46,271	\$182,572
Subcontract #1	\$265,231	\$0	\$265,231	\$43,675	\$0	\$43,675
Subcontract #2	\$477,079	\$75,649	\$552,728	\$80,928	\$46,271	\$127,199
Subcontract #3	\$21,104	\$0	\$21,104	\$3,240	\$0	\$3,240
Subcontract #4	\$38,682	\$0	\$38,682	\$8,458	\$0	\$8,458
Subcontract #5	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$111,699	\$628,571	\$740,270	\$8,707	\$22,536	\$31,243
Total Direct Costs	\$2,839,842	\$976,941	\$3,816,783	\$477,454	\$157,110	\$634,564
Total Indirect Costs	\$1,153,599	\$91,032	\$1,244,631	\$250,923	\$53,258	\$304,181
Total Costs	\$3,993,441	\$1,067,973	\$5,061,414	\$728,377	\$210,368	\$938,745
% Of Total	79	21	100	78	22	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-\$60,000
- ArchInfo/ArcGIS Software-\$3,035
- Computers-\$3,838
- Speed Test Software-\$2,498
- Spectrum Analyzer-\$4,477

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, 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

*Released the broadband analysis report entitled Nevada Broadband: Preliminary Overview of Broadband Infrastructure & Adoption in Nevada

*Connect Nevada (CNV) conducted 19 field validation tests against 3 provider companies during the quarter, increasing the validation percentage from 6.67 percent to 22.22 percent in the state of Nevada

*Released an enhanced version of the BroadbandStat interactive Web mapping application that included updates to coverage display, e-mail functionality, feedback medium, etc. Further, many modifications were made to the display of community anchor institutions including point data views and hover-over technology

*Posted statewide provider advertised speed maps to the Web portal which will provide another means for stakeholders to validate speed data. Data is collected via the Web portal and other resources by consumers volunteering to utilize online speed-testing tools
*The CNV website provides the avenue for consumers to send feedback. Web statistics for this period include 862 visits to the site and 295 speed tests
*Maintained the budget/finance cost model as well as the project work plan and work breakdown structure for CNV
*Continued developing and implementing the outreach and awareness strategy
*Work continued toward identifying community anchor institutions and obtaining data
*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
*In response to the additional State Broadband Data & Development funding extending the grant through December 2014, project plan alterations and expansion commenced

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 has been revised to include these new activities and will be formally submitted to NTIA by the scheduled deadline.

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, Connected Nation (CN) is working with its subcontractors to analyze demand-side data collected through statistical telephone surveys of 800 businesses statewide. Quotas were set by industry size and sector to ensure a representative sample of businesses was surveyed, and the results were weighted by industry size and sector to correct for minor variances. Analysis of these business survey results began in Q3 2010, and survey results were provided to the state in Q4 2010. CN designed these surveys to measure technology adoption, barriers to adoption, and awareness of available broadband service among Nevada businesses, and those results were compared to statewide figures provided by participating Internet service providers.

Connect Nevada, in coordination with the state of Nevada and the Nevada Broadband Task Force, completed an initial planning report for the state during Q4 2010. This report serves 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 was formally presented to the Nevada Broadband Task Force and released publicly within the state during Q4 2010. The report, Nevada Broadband: Preliminary Overview of Broadband Infrastructure & Adoption in Nevada, is available on the Connect Nevada website at the following link: <http://connectnv.org/research/>.

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 Q4 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

Upon approval of the project plan and budget, Connected Nation plans to alter the methodology of the residential survey update that was scheduled for Q1 2011 and is now funded by the SBDD Technical Assistance grant for Nevada. This updated and improved methodology will provide a greater level of analysis regarding barriers to technology adoption among different socioeconomic and demographic groups. In particular, this revised methodology will oversample non-adopters in Nevada in a way similar to that conducted by the FCC as part of the National Broadband Planning effort. This approach will help create a demographic and socioeconomic profile of the population of non-adopters in Nevada. This information can then be applied at the local level of detail by area planning teams in Nevada, who will be in a better position to develop local adoption initiatives that will target the barriers that are unique to that area.

On September 27, 2010 Connect Nevada received notice of a grant award extending SBDD mapping and planning activities an additional three years. The project plan is currently under development and being revised to include these new activities. The updated plan will be submitted by February 2011 following the guidelines outlined in the extension granted to all awardees.

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?

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)

02-02-2011