

**U.S. DEPARTMENT OF COMMERCE**

**Performance Progress Report**

2. Award Or Grant Number

32-50-M09056

4. Report Date (MM/DD/YYYY)

04-11-2011

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:

03-31-2011

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

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

N/A

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 communications 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 June 30, 2011 Connected Nation will target 4 additional companies in order to achieve a total field validation rate equal to or exceeding 56% (currently at 49.09%).

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 189 visits between January 1, 2011 and March 31, 2011.

During this quarter, the Connect Nevada project received 2 e-mails from consumers containing additional information that can be used

for verification purposes.

Connected Nation's staff conducted extensive field validation tests in Nevada on the following providers: A&J Hardy Enterprises d.b.a. Comnet Computer Services and Peak Internet Services, Arizona Nevada Tower Corporation, AT&T, Baja Broadband LLC, CalNeva Broadband LLC, CC Communications, Charter Communications, Clearwire Corporation, Cox Communications, Great Basin Internet Services, High Speed Networks – Mound House LLC, Highlands Wireless Inc., Hot Spot Broadband Inc., KeyOn Wireless, Leap Wireless d.b.a. Cricket License Company LLC, Moapa Valley Telephone Company, Nextweb (Covad), Oasis Online Inc., Performance Computing Internet, Reliance Connects d.b.a. Rio Virgin Telephone & Cablevision, Satview Broadband Ltd., Schatnet Internet LLC, Sprint, United Cable Management, Vegas Wi-Fi Communications LLC, Verizon Wireless, and Yonder Media. To date, Connected Nation has completed field validation testing against 27 companies (out of a universe of 54 viable providers) totaling 49.09% within 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?

3.86

Connected Nation has numerous staff working on the Connect Nevada 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 Connect Nevada positions not currently staffed are related to the new broadband capacity activities and local and regional planning teams 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 second and third 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?

7.86

10n. Staffing Table

| Job Title                   | FTE % | Date of Hire |
|-----------------------------|-------|--------------|
| Associate Counsel           | 2     | 09/14/2009   |
| Business Programmer Analyst | 1     | 04/02/2007   |
| CAI Coordinator             | 4     | 09/16/2009   |
| CAI Coordinator             | 2     | 12/13/2004   |
| CAI Data Analyst            | 8     | 03/24/2009   |
| CAI Data Manager            | 1     | 08/09/2010   |
| ETS Analyst                 | 48    | 02/08/2010   |
| ETS Analyst                 | 2     | 11/01/2007   |
| ETS Analyst                 | 1     | 08/03/2009   |
| ETS Analyst                 | 1     | 08/24/2009   |

|                                 |    |            |
|---------------------------------|----|------------|
| ETS Manager                     | 14 | 07/01/2007 |
| General Counsel                 | 5  | 01/01/2007 |
| GIS Analyst                     | 53 | 04/01/2010 |
| GIS Services Manager            | 5  | 05/15/2007 |
| Outreach & Awareness Manager    | 6  | 03/24/2009 |
| Outreach & Awareness Specialist | 13 | 01/04/2010 |
| Outreach & Awareness Specialist | 8  | 01/04/2010 |
| Outreach & Awareness Specialist | 4  | 10/01/2007 |
| Outreach & Awareness Specialist | 4  | 02/02/2009 |
| Outreach & Awareness Specialist | 1  | 01/03/2010 |
| Project Coordinator             | 5  | 04/01/2005 |
| Project Management Director     | 4  | 12/20/2004 |
| Project Manager                 | 40 | 08/20/2007 |
| Project Manager                 | 3  | 01/14/2008 |
| Project Manager                 | 3  | 12/16/2009 |
| Project Manager                 | 2  | 09/01/2006 |
| Project Manager                 | 2  | 03/16/2010 |
| Project Manager                 | 1  | 01/01/2007 |
| Project Manager                 | 1  | 09/04/2007 |
| Project Manager                 | 1  | 01/14/2008 |
| Provider Relations Manager      | 8  | 02/17/2005 |
| Research & GIS Analyst          | 3  | 05/14/2007 |
| Research Analyst                | 9  | 02/01/2010 |
| Research Analyst                | 3  | 06/01/2009 |
| Research Manager                | 7  | 05/14/2007 |
| State Services Associate        | 98 | 12/20/2009 |
|                                 |    |            |

|                        |    |            |
|------------------------|----|------------|
| State Services Manager | 13 | 07/01/2007 |
|------------------------|----|------------|

### 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        |

### Funding

10p. How much Federal funding has been expended as of the end of the last quarter? **\$859,368**      10q. How much Remains? **\$3,134,073**  
 10r. How much matching funds have been expended as of the end of last quarter? **\$234,856**      10s. How much Remains? **\$833,117**

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        | \$234,424              | \$78,935                | \$313,359            |
| Personnel Fringe Benefits   | \$262,898             | \$0                | \$262,898          | \$49,830               | \$20,288                | \$70,118             |
| Travel                      | \$260,881             | \$0                | \$260,881          | \$39,175               | \$95                    | \$39,270             |
| Equipment                   | \$134,194             | \$0                | \$134,194          | \$65,652               | \$0                     | \$65,652             |
| Materials / Supplies        | \$42,431              | \$0                | \$42,431           | \$19,814               | \$0                     | \$19,814             |
| <b>Subcontracts Total</b>   | <b>\$802,096</b>      | <b>\$75,649</b>    | <b>\$877,745</b>   | <b>\$151,058</b>       | <b>\$59,059</b>         | <b>\$210,117</b>     |
| Subcontract #1              | \$265,231             | \$0                | \$265,231          | \$43,675               | \$0                     | \$43,675             |
| Subcontract #2              | \$477,079             | \$75,649           | \$552,728          | \$95,435               | \$59,059                | \$154,494            |
| Subcontract #3              | \$21,104              | \$0                | \$21,104           | \$3,490                | \$0                     | \$3,490              |
| 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          | \$9,667                | \$23,221                | \$32,888             |
| <b>Total Direct Costs</b>   | <b>\$2,839,842</b>    | <b>\$976,941</b>   | <b>\$3,816,783</b> | <b>\$569,620</b>       | <b>\$181,598</b>        | <b>\$751,218</b>     |
| <b>Total Indirect Costs</b> | <b>\$1,153,599</b>    | <b>\$91,032</b>    | <b>\$1,244,631</b> | <b>\$289,748</b>       | <b>\$53,258</b>         | <b>\$343,006</b>     |
| <b>Total Costs</b>          | <b>\$3,993,441</b>    | <b>\$1,067,973</b> | <b>\$5,061,414</b> | <b>\$859,368</b>       | <b>\$234,856</b>        | <b>\$1,094,224</b>   |
| <b>% Of Total</b>           | <b>79</b>             | <b>21</b>          | <b>100</b>         | <b>79</b>              | <b>21</b>               | <b>100</b>           |

### 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 & Software-\$3,838
- Speed Test Software-\$2,498
- Spectrum Analyzer-\$4,477
- Google Earth Pro-\$266

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

- \* Connect Nevada (CNV) submitted the second update to the state broadband map on March 30. The submission included the participation of approximately 94.55% of providers, or 52 of 55 total providers
- \* Expanded upon and detailed outcomes, milestones, and activities toward successful implementation of the State Broadband Data and Development (SBDD) grant extension projects. The SBDD Detailed Project Plan and Budget was submitted to the National Telecommunications and Information Administration (NTIA) on February 21
- \* Created job descriptions for new positions funded through the SBDD grant extension and conducted interviews
- \* Mapping-related deliverables produced this quarter include statewide and county-level provider density maps, statewide underserved area maps, and multi/single platform maps
- \* Conducted 48 on-site validation tests during this reporting period. From program initiation through this reporting period, CNV has completed in-the-field validation testing against 27 companies (of 55 viable providers) increasing the overall field validation from 22.22% to 49.09% in the state of Nevada
- \* CNV Web statistics for this period include 761 visits to the site and 36 speed tests
- \* Announced the February 17 release of the National Broadband Map via a press release and fielded questions from the provider community
- \* 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 finalized
- \* 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

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

The SBDD Detailed Project Plan, Timeline, and Budget was submitted to NTIA initially on February 21. The project team continued with the planning process in preparation for Project Plan approval.

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

On behalf of the state of Nevada, Connected Nation (CN) worked with its subcontractors to analyze demand-side data collected through statistical telephone surveys of 800 businesses statewide. Initial data analysis was completed in Q4 2010, and a report containing in-depth survey analysis was provided to the state in Q1 2011. 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 availability figures provided by participating Internet service providers.

In addition, CN wrote the survey instrument for the 2011 Residential Technology Assessment telephone survey, incorporating



resubmitted for consideration. Upon approval of the Project Plan, Connect Nevada will conduct a survey that oversamples households that do not subscribe to broadband. This second survey will be in addition to the previously scheduled residential survey. This updated and improved methodology will provide a greater level of analysis regarding barriers to technology adoption among different socio-economic and demographic groups by surveying 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 socio-economic profile of the population of non-adopters in Nevada, which can then be applied at the local level of detail by area planning teams, to assist in developing local adoption initiatives that will target the barriers that are unique to that area. In Q1 2011, Connect Nevada developed the analysis methodology and began developing this survey instrument.

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

The SBDD Detailed Project Plan, Timeline, and Budget was submitted to NTIA initially on February 21. The project team continued with the planning process in preparation for Project Plan approval.

11l. 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

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)

06-16-2011