

**U.S. DEPARTMENT OF COMMERCE**

**Performance Progress Report**

2. Award Or Grant Number  
20-50-M09021

4. Report Date (MM/DD/YYYY)  
04-11-2011

1. Recipient Name  
Connected Nation, Inc. - Kansas

6. Designated Entity On Behalf Of:  
Kansas

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)  
11-01-2009

7a. End Date: (MM/DD/YYYY)  
10-30-2014

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

- arcplasma.com: Company representative stated they had no interest in participating and preferred that we not contact them again - Refused to Participate
- Davin Wireless: In addition to multiple contact attempts between July 30, 2009 and March 24, 2010, 9 attempts were made during this submission period - Non-Responsive to Multiple Attempts
- Granby Telephone Company: Identified provider on October 26, 2010. Since then, 5 contact attempts were made - Non-Responsive to Multiple Attempts
- SCI Cable, Inc.: In addition to multiple contact attempts between January 7, 2010 and August 5, 2010, 4 attempts were made during this submission period - Non-Responsive to Multiple Attempts
- Southeast Nebraska Communications: Provider representative stated that there are only 5 lines available in Kansas and they see no benefit in involvement - Refused to Participate
- SureWest Communications: In addition to multiple contact attempts between September 8, 2009 and March 25, 2010, 5 attempts were made during this submission period - Non-Responsive to Multiple Attempts
- SwiftLink Communications: Provider was identified on October 28, 2010. Since then, 5 contact attempts were made - Non-Responsive to Multiple Attempts
- Windjammer Communications, LLC: Provider was identified on October 28, 2010. Since then, 5 contact attempts were made - Non-Responsive to Multiple Attempts
- WISP-Router, Inc.: In addition to multiple contact attempts made between July 30, 2009 and August 17, 2010, 4 attempts were made during this submission period - Non-Responsive to Multiple Attempts

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 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 an additional 6 companies in order to achieve a total field validation rate equal to or exceeding 59.00% (currently 53.00%).

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 Kansas website and received a total of 385 visits between January 1, 2011 and March 31, 2011.

During this quarter, the Connect Kansas project received a total of 5 broadband inquiries. Additional information received through e-mail from consumers that can also be used for verification purposes totaled 1 for this quarter.

Connected Nation's staff has conducted extensive field validation tests in Kansas on the following providers: Allegiance Communications, AT&T Inc., Benson Telephone Service, Broadband Wireless Internet (BBWI), Cable ONE Inc., CenturyLink, Clearwire Corporation, Columbus Telephone Company, Cox Communications Inc., Craw-Kan Telephone Cooperative Inc., CTC Wireless Internet, Cyber Lodge Wireless, Eagle Communications Inc., Elkhart Telephone Company Inc., Fairpoint Communications Inc., Golden Belt Telephone Association Inc., H&B Cable Services Inc., Haviland Telephone Company, IdeaTek Systems Inc., J.B.N. Telephone Company, Kanokla Telephone, Kansas Broadband Internet Inc., LaHarpe Telephone Company Inc., Madison Telephone Company LLC, Mediacom Communications Corporation, Mercury Wireless, Mid-Kansas Cable Services, Midwest Connections Inc., Mobil1.net, Moundridge Telephone Company Inc., Pioneer Telephone Association Inc., Pixius Communications LLC, Rainbow Telecommunications Association Inc., Rural Telephone Service Company Inc., S&A Telephone Company Inc., S&T Telephone Cooperative Association, SKT Inc., South Central Telephone Association, Sprint Nextel Corporation, St. Joe Wireless, Sunflower Broadband, The Computer Generation, Totah Communications Inc., Tri-County Telephone Association Inc., Tri-Rivers, United Telephone Association, U.S. Cellular, Valnet LLC, Verizon Communications Inc., Wamego Telecommunications Company Inc., Wave Wireless, Wheat State Telephone Inc., and Wheatland Electric Cooperative Inc.

To date, Connected Nation has completed field validation testing against 53 companies

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?

4.45

Connected Nation has numerous staff working on the Connect Kansas 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 Connect Kansas' new broadband capacity, tech assistance, and local and regional technology team 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 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?

13.45

10n. Staffing Table		
Job Title	FTE %	Date of Hire
Associate Counsel	2	09/14/2009
Business Programmer Analyst	3	04/02/2007
CAI Coordinator	25	09/16/2009
CAI Coordinator	9	12/13/2004
CAI Data Analyst	7	03/24/2009
CAI Data Manager	1	08/09/2010
ETS Analyst	65	02/18/2010
ETS Analyst	18	07/13/2009
ETS Analyst	4	02/08/2010
ETS Analyst	2	11/01/2007
ETS Analyst	1	08/03/2009
ETS Manager	5	07/01/2007
General Counsel	5	01/01/2007
GIS Analyst	43	10/19/2009
GIS Analyst	4	04/01/2010
GIS Intern	2	04/01/2010
GIS Services Manager	4	05/15/2007
Outreach & Awareness Manager	4	03/24/2009
Outreach & Awareness Specialist	6	01/04/2010
Outreach & Awareness Specialist	5	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	8	04/01/2005
Project Management Director	2	12/20/2004

Project Manager	97	05/03/2010
Project Manager	44	12/16/2009
Project Manager	12	01/14/2008
Project Manager	3	08/20/2007
Project Manager	2	03/16/2010
Project Manager	1	01/01/2007
Project Manager	1	01/14/2008
Provider Relations Manager	8	02/17/2005
Research & GIS Analyst	4	05/14/2007
Research Analyst	9	02/01/2010
Research Analyst	4	06/01/2009
Research Manager	10	05/14/2007
State Services Manager	14	07/01/2007
State Services Specialist	2	02/02/2009

Add Row

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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
Throughbred Research Group	Research Surveys	Y	Y	02/09/2010	02/08/2012	87,350	0
Kansas Department of Commerce	Planning Activities	N	Y	11/01/2009	10/30/2014	500,000	127,335
Contract Labor	Contract Labor	N	Y	11/01/2009	10/30/2014	1,665,655	215,768

Add Row

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**Funding**

10p. How much Federal funding has been expended as of the end of the last quarter? \$911,022      10q. How much Remains? \$5,460,492

10r. How much matching funds have been expended as of the end of last quarter? \$480,309      10s. How much Remains? \$1,122,369

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	\$1,283,978	\$54,034	\$1,338,012	\$231,408	\$51,275	\$282,683
Personnel Fringe Benefits	\$275,418	\$11,590	\$287,008	\$46,190	\$12,164	\$58,354

Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
Travel	\$292,837	\$22,329	\$315,166	\$34,097	\$15,805	\$49,902
Equipment	\$143,643	\$0	\$143,643	\$69,739	\$0	\$69,739
Materials / Supplies	\$115,961	\$3,739	\$119,700	\$16,053	\$4,088	\$20,141
Subcontracts Total	\$2,477,250	\$343,103	\$2,820,353	\$227,165	\$284,869	\$512,034
Subcontract #1	\$252,696	\$0	\$252,696	\$32,457	\$0	\$32,457
Subcontract #2	\$500,000	\$127,335	\$627,335	\$58,500	\$122,124	\$180,624
Subcontract #3	\$1,665,655	\$215,768	\$1,881,423	\$115,092	\$161,285	\$276,377
Subcontract #4	\$20,216	\$0	\$20,216	\$13,508	\$610	\$14,118
Subcontract #5	\$38,683	\$0	\$38,683	\$7,608	\$850	\$8,458
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$423,389	\$1,040,272	\$1,463,661	\$3,489	\$43,469	\$46,958
Total Direct Costs	\$5,012,476	\$1,475,067	\$6,487,543	\$628,141	\$411,670	\$1,039,811
Total Indirect Costs	\$1,359,038	\$127,611	\$1,486,649	\$282,881	\$68,639	\$351,520
Total Costs	\$6,371,514	\$1,602,678	\$7,974,192	\$911,022	\$480,309	\$1,391,331
% Of Total	80	20	100	65	35	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
- Computers & Software-\$7,372
- Spectrum Analyzer-\$5,323
- ArchInfo/ArcGIS Software-\$4,322
- Metrics Speed Test Software-\$4,112
- Google Earth Pro -\$266
- GPS Unit-\$250

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

- \*Completed and presented the 2010 Kansas Business Survey report to the Kansas Department of Commerce on March 17, 2011
- \*Compiled and submitted the semi-annual mapping data refresh on March 28, 2011, as required by grant. Kansas had 100 viable providers identified with 86 complete datasets received (86%). Of the 14 remaining providers, 9 refused to participate or did not respond to inquiries and 5 were in some state of data submission
- \*Continued working on the Connect Kansas State Broadband Data and Development amendment project plan and submitted it to

National Telecommunication and Information Administration (NTIA) on February 23, 2011

- \*Maintained the budget/finance cost model for Connect Kansas
  - \*Maintained the project work plan and Work Breakdown Structure
  - \*Continued to reach out to all Kansas providers for data collection
  - \*Maintained the Connect Kansas website to explain the program and gather information from the consumer community
  - \*Maintained and updated the Kansas BroadbandStat Interactive Map to reflect provider data updates
  - \*Continued processing speed tests and website broadband inquiries from the Connect Kansas speed test portal
  - \*Maintained the outreach and awareness strategy plan
  - \*Conducted periodic Connect Kansas project team meetings
  - \*Produced monthly status reports, data collection, activity log, and website statistics and distributed to the Connect Kansas project team
  - \*Maintained the Kansas broadband provider list
  - \*Distributed and securely stored executed Non-Disclosure Agreements
  - \*Conducted webinars and demonstrations of the BroadbandStat product to various groups in Kansas including the Senate and House
  - \*Updated and processed broadband coverage coordinate data sets from provider community
  - \*Submitted the Connect Kansas Q4 2010 American Recovery & Reinvestment Act and NTIA Performance Progress Reports
  - \*Connect Kansas continued to conduct on the ground field validation for the NTIA viable Kansas providers
- 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

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 Kansas, Connected Nation (CN) worked with its subcontractors to analyze demand-side data collected through statistical telephone surveys of 805 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 Kansas 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 recommendations received from state stakeholders where appropriate. These surveys are designed to measure trends in technology adoption, barriers to adoption, and awareness of available broadband service among Kansas residents.

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

Revising the Connect Kansas Project Plan based on the amended projects. Please see 11j for details.

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

The 2011 Residential Technology Assessment telephone survey, originally scheduled for Q1 2011, has been moved to Q2 2011 to provide for better comparability in survey results between Kansas and other state surveys.

We are transitioning the current Connect Kansas mapping and planning projects to the amended SBDD 2.0 projects that were awarded to Connect Kansas. Based upon the new SBDD Detailed Project Plan, Timeline, and Budget filed with NTIA, the planning activities will be incorporated into the Technical Assistance project. Please see 11j for details.

### 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

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?

Connect Kansas composed and submitted the first SBDD Detailed Project Plan, Timeline, and Budget (Project Plan). As of the close of the quarter, the Project Plan has been accepted and recommendations for changes have been received, processed, and resubmitted for consideration. Upon approval of the Project Plan, Connect Kansas will continue with the Kansas business and residential surveys.

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

Connect Kansas composed and submitted the SBDD Detailed Project Plan, Timeline, and Budget to the NTIA initially on February 23. 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