

U.S. DEPARTMENT OF COMMERCE

Performance Progress Report

2. Award Or Grant Number
19-50-M09047

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

1. Recipient Name
Connected Nation, Inc. - Iowa

6. Designated Entity On Behalf Of:
Iowa

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)
01-01-2010

7a. End Date: (MM/DD/YYYY)
12-31-2014

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

Amberwave Communications: Received e-mail from provider that they will not participate in this round due to a company re-organization – Refused to Participate

Coon Creek Telecommunications Corp.: In addition to multiple contact attempts prior to this submission date, 6 attempts were made between January 04, 2011 and February 11, 2011 - Non-Responsive to Multiple Attempts

Eastlight, LLC: Provider indicated they do not want to share info on fiber platform at this time – Refused to Participate

Mechanicsville Telephone Company: In addition to multiple contact attempts made prior to this submission date, 2 attempts were made between January 06, 2011 and February 18, 2011 to solicit data - Non-Responsive to Multiple Attempts

NetConnect: Received e-mail from provider that they refuse to participate in the mapping project – Refused to Participate

RuralWaves Wireless Internet: In addition to multiple contact attempts made prior to this submission date, 2 attempts were made between January 06, 2011 and February 18, 2011 to solicit data - Non-Responsive to Multiple Attempts

Knology of the Plains, Inc.: Provider continues to be non-responsive to outreach; 5 individual outreach attempts were made during Q1 - 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 8 companies in order to achieve a total field validation rate equal to or exceeding 32.50% (currently 28.64%).

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 Iowa website and received a total of 495 visits between January 1, 2011 and March 31, 2011.

During this quarter, the Connect Iowa project received a total of 16 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 Iowa on the following providers: AT&T Inc., Brooklyn Mutual Telecommunications Cooperative, Cable ONE Inc., Cedar Falls Utilities, Chat Mobility, Circle Computer Resources, Citizens Mutual Telephone Cooperative, Cloudburst_9, Community Cable Television Agency of O'Brien County, Cramer, IT, Danville Mutual Telephone Company, Dynamic Broadband, East Buchanan Telephone Cooperative, Evertek Enterprises, Farmers & Merchants Mutual Telephone Company, Farmers Cooperative Telephone Company-Dysart, Farmers Mutual Telephone Company-Jesup, Farmers Telephone Company-Essex, FiberComm LC, Frontier Communications Corporation, Grand River Mutual Telephone Corporation, Grundy Center Municipal Utilities, Heartland Net, Hot Spots, I-35 Telephone Company, Internet Consulting Services LLC, Iowa Telecom, Kalona Cooperative Telephone Company, KDSC Inc., LaPorte City Telephone Company, Lenox Municipal Utilities, Long Lines, Mahaska Communications Group, Mediacom Iowa LLC, Mediapolis Telephone Company, MidlandsNet LLC, Minburn Communications, Mutual Telephone Company, Mutual Telephone Company of Morning Sun Iowa, NetConx, Northern Iowa Telephone Company, Panora Communications Cooperative, Partner Communications Cooperative, Prairie iNet, Premier Communications, Qwest Corporations, Sharon Telephone Company, SpeedNet LLC, Sprint, T-Mobile USA, Traer Municipal Utilities, Van Buren Telephone Company Inc., Verizon Communications Inc., Villisca Farmers Telephone Company, (For more details, please refer to the "IA-Q1 Supplemental Answer Document").

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?

4.28

Connected Nation has numerous staff working on the Connect Iowa 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 Iowa's new broadband capacity and local and regional tech 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?

8.28

10n. Staffing Table

Job Title	FTE %	Date of Hire
Associate Counsel	2	09/14/2009
Business Programmer Analyst	1	04/02/2007

CAI Coordinator	3	12/13/2004
CAI Data Analyst	7	03/24/2009
CAI Data Manager	1	08/09/2010
ETS Analyst	70	11/01/2007
ETS Analyst	65	08/03/2009
ETS Analyst	5	02/08/2010
ETS Analyst	5	02/18/2010
ETS Analyst	4	07/13/2009
ETS Manager	5	07/01/2007
ETS Sr. Analyst	21	02/18/2010
General Counsel	8	01/01/2007
GIS Analyst	54	09/17/2007
GIS Analyst	23	01/12/2010
GIS Intern	3	04/01/2010
GIS Services Manager	5	05/15/2007
Outreach & Awareness Manager	3	03/24/2009
Outreach & Awareness Specialist	7	01/04/2010
Outreach & Awareness Specialist	7	01/04/2010
Outreach & Awareness Specialist	4	10/01/2007
Outreach & Awareness Specialist	3	02/02/2009
Outreach & Awareness Specialist	1	01/03/2010
Project Coordinator	6	04/01/2005
Project Management Director	2	12/20/2004
Project Manager	40	03/16/2010
Project Manager	3	08/20/2007
Project Manager	3	12/16/2009

Project Manager	2	01/14/2008
Project Manager	2	01/14/2008
Project Manager	2	03/16/2010
Project Manager	1	01/01/2007
Provider Relations Manager	8	02/17/2005
Research & GIS Analyst	2	05/14/2007
Research Analyst	4	02/01/2010
Research Analyst	3	06/01/2009
Research Manager	2	05/14/2007
State Services Manager	2	07/01/2007
State Services Specialist	39	02/02/2009

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
Thoroughbred Research Group	Research Surveys	Y	Y	02/09/2010	02/08/2012	87,350	0
Contract Labor	Contract Labor	N	Y	01/01/2010	12/31/2014	829,232	295,447

Add Row

Remove Row

Funding

10p. How much Federal funding has been expended as of the end of the last quarter? \$1,302,485 10q. How much Remains? \$4,467,457

10r. How much matching funds have been expended as of the end of last quarter? \$461,291 10s. How much Remains? \$985,183

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	\$1,781,593	\$154,543	\$1,936,136	\$353,759	\$138,523	\$492,282
Personnel Fringe Benefits	\$382,149	\$45,123	\$427,272	\$71,375	\$39,749	\$111,124
Travel	\$284,757	\$0	\$284,757	\$41,878	\$582	\$42,460
Equipment	\$146,140	\$0	\$146,140	\$80,881	\$0	\$80,881
Materials / Supplies	\$49,415	\$0	\$49,415	\$23,406	\$0	\$23,406
Subcontracts Total	\$1,187,286	\$295,447	\$1,482,733	\$283,891	\$137,302	\$421,193
Subcontract #1	\$301,831	\$0	\$301,831	\$43,675	\$0	\$43,675
Subcontract #2	\$829,232	\$295,447	\$1,124,679	\$226,365	\$137,302	\$363,667

Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
Subcontract #3	\$17,540	\$0	\$17,540	\$5,393	\$0	\$5,393
Subcontract #4	\$38,683	\$0	\$38,683	\$8,458	\$0	\$8,458
Subcontract #5	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$37,181	\$896,648	\$933,829	\$7,236	\$25,460	\$32,696
Total Direct Costs	\$3,868,521	\$1,391,761	\$5,260,282	\$862,426	\$341,616	\$1,204,042
Total Indirect Costs	\$1,901,421	\$54,713	\$1,956,134	\$440,059	\$119,675	\$559,734
Total Costs	\$5,769,942	\$1,446,474	\$7,216,416	\$1,302,485	\$461,291	\$1,763,776
% Of Total	80	20	100	74	26	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-\$13,009
- Computers & Software-\$3,183
- Speed Test Software-\$2,686
- Spectrum Analyzers-\$9,008
- 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

Data sets used by the project to date have been provided as in-kind contributions and are valued as follows:

- Iowa Communications Network listing of Community Anchor Institution (CAI) address and technology data - \$25

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

10aa. If yes, please list

- * Maintained budget/finance cost model for Connect Iowa
- * Maintained and updated project work plan and Work Breakdown Structure (WBS)
- * Continued enhancements of Connect Iowa website including addition of maximum speed tier, provider density, underserved area, and multi/single provider maps
- * Continued to process speed tests from the Connect Iowa speed test portal
- * Continued to receive and process the Connect Iowa website broadband inquiries
- * Maintained outreach and awareness strategy
- * Produced monthly status reports, data collection activity log, and website statistics
- * Completed initial submission of Connect Iowa SBDD 2.0 Project Plan to NTIA
- * Created job description for Connect Iowa Program Coordinator position located in Des Moines, IA
- * Compiled and submitted semi-annual mapping data refresh on March 30, 2011, as required by grant.
- * Refined CAI (Community Anchor Institution) listings information for the following: physical address, geocoding, e-mail, addresses, broadband access, connection platforms, advertised upload/download speeds
- * Received endorsement for planned enhancement to BroadbandStat interactive mapping platform at time of next refresh for April 2011 submission
- * Maintained broadband data collection activity log
- * Maintained SBDD compliant Non-Disclosure Agreement (NDA)

- * Requested grant program compliant broadband coverage data from providers
 - * Distributed broadband coverage data sets to GIS mapping team
 - * Validation thirty-one percent (31%) or 64 of eligible providers
 - * Continued to supply state media outlets information on broadband mapping and adoption in Iowa
 - * Invited feedback from Iowa broadband providers regarding National Broadband Map
 - * Proposed collaborative partnership with Iowa Association of Regional Councils in delivery of Regional Technology Planning Process
 - * Completed final Iowa Business Technology Assessment and supplied to Iowa Stakeholders
- 10bb. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing

All deadlines have been achieved. There currently have not been any obstacles encountered.

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 Iowa, Connected Nation (CN) worked with its subcontractors to analyze demand-side data collected through statistical telephone surveys of 803 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 Iowa 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 Iowa residents.

The Connect Iowa initial broadband assessment, released in Q4 2010, continues to serve as an invaluable tool to the Iowa Utilities Board, their partners and stakeholders across the state. The report continues to be available on the Connect Iowa website and used as a discussion tool to facilitate strategic dialogue in the state. Connect Iowa is cataloging feedback from the report and has begun initial work on an update. The report update is scheduled for release during or after Q3 2011.

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 Iowa Utilities Board to ensure that our work exceeds expectations. During Q1, 2011, 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

- We are currently transitioning the current Connect Iowa mapping and planning projects to the amended SBDD 2.0 projects that were awarded to Connect Iowa. 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.
- The residential survey update that was scheduled for Q1 2011 has been moved to Q2 2011, to coincide with the proposed non-adopter oversample survey (detailed under section 11j).

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

11i. Planning Worksheet						
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?

Upon approval of the project plan and budget, Connected Nation 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 Iowa 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 Iowa, 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, CN 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

All deadlines have been achieved. There currently have not been any obstacles encountered.

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