U.S. DEPARTMENT OF COMMERCE	2. Award Or Grant Number
	45-50-M09044
Performance Progress Report	4. Report Date (MM/DD/YYYY)
	10-12-2011

1. Recipient Name	6. Designated Entity On Behalf Of:
Connected Nation, Inc. - SC	South Carolina

3. Street Address	8. Final Report?	9. Report Frequency
1020 College Street, P.O. Box 3448,	○ Yes ◉ No	◉ Quarterly ○ Semi Annual ○ Annual ○ Final

5. City, State, Zip Code		
Bowling Green, KY 42101-2137		

7. Project / Grant Period Start Date: (MM/DD/YYYY)	7a. End Date: (MM/DD/YYYY)	7b. Reporting Period End Date:	9a. If Other, please describe:
12-20-2009	12-19-2014	09-30-2011	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

Aero Networks, LLC: On July 11, 2011 we received a message that they would not provide any data this round.

Birch Communications, Inc.: A company representative sent an e-mail stating they are still not interested in participating.

Countrywide Wireless: In addition to contact attempts made on August 5, 2010 and January 4, 2011, 4 additional attempts were made this period.

Global Crossing Telecommunications, Inc.: In addition to contact attempts made between July 1, 2010 and February 17, 2011, 3 additional attempts were made this period.

Main Street Wireless: In addition to contact attempts made between July 1, 2010 and February 1, 2011, 4 additional attempts were made this period.

PAETEC Communications, Inc.: Multiple outreach attempts were conducted but no response was received. PAETEC was bought out during the collection phase of this round by Windstream, and we intend to be able to include the PAETEC coverage as a part of the Windstream footprint during the next round.

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

No data has been collected through extraction or extrapolation.

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

ESRI has deployed and is hosting the BroadbandStat (BBStat) web application. ESRI houses the customized application in their highly available, monitored, and managed environment. Their services include maintaining a staging environment for data verification and compatibility as well as a production environment for client access.

Consumer feedback in the form of broadband inquiries is collected. 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 State Broadband Initiative (SBI). 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.

Within the Q2 2011 Performance Progress Report (PPR) Connected Nation proposed to target 3 additional companies in order to achieve a total field validation rate equal to or exceeding 66.00% before December 31, 2011. As of this report, field validation on 65.31% of the provider universe has been completed.

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 South Carolina website (http://connectsc.org) and received a total of 1,260 visits between July 1, 2011 and September 30, 2011.

During this quarter, the project received a total of 15 broadband inquiries. Additional information received through e-mail from consumers that can also be used for verification purposes totaled 3 for this quarter.

For this reporting period, 40 field verification tests were conducted. Thus far, Connected Nation's staff has conducted multiple tests on the following providers: Techcore Consultants II (d.b.a. Almega Cable); AT&T; Atlantic Broadband; CenturyLink; Charter Communications; Chester Telephone Company (d.b.a. Fairfield Communications); Clearwire Corporation; Electronics Service Company of Hamlet LLC; Family View Cable; Farmers Telephone Cooperative Inc. (d.b.a. FTC Communications); Frontier Communications of the Carolinas; Globalvision; Home Telephone Company Inc.; Main Street Wireless; NTInet Inc.; Palmetto Rural Telephone (d.b.a. Low Country); Pee Dee Net; Pee Dee Online; PRT Communications; Rock Hill Telephone Company (d.b.a. Comporium Communications and PBT Communications); Sandhill Telephone Cooperative; SkyRunner; Southern Coastal Cable; Sprint; Time Warner Cable Inc.; T-Mobile; tw telecom; US Cellular; Verizon South Inc.; and Windstream.

To date, field validation testing has been completed against 32 companies (out of a universe of 49 viable providers) totaling 65.31% within the state.

10i. If verification activities have not been initiated please provide a projected time line for beginning and completing such activities

Verification activities have been initiated.

Staffing

10j. How many jobs have been created or retained as a result of this project?

10.10

Connected Nation has numerous staff working on the Connect South Carolina 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 from 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 South Carolina's new local and regional technology team activities that are only just beginning. These positions are expected to be filled during the fourth quarter 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?

12.10

10n. Staffing Table

Job Title	FTE %	Date of Hire
Associate Counsel	4	09/14/2009
Business Programmer Analyst	2	04/02/2007
CAI Coordinator	9	09/16/2009

CAI Coordinator	1	12/13/2004
CAI Data Analyst	8	03/24/2009
CAI Data Manager	1	08/09/2010
ETS Analyst	38	08/24/2009
ETS Analyst	9	08/03/2009
ETS Analyst	1	07/13/2009
ETS Analyst	1	11/01/2007
ETS Manager	5	07/01/2007
General Counsel	4	01/01/2007
GIS Analyst	46	09/17/2007
GIS Analyst	17	04/01/2010
GIS Analyst	2	11/16/2009
GIS Analyst	1	10/19/2009
GIS Services Manager	3	05/15/2007
Outreach & Awareness Specialist	28	01/03/2010
Outreach & Awareness Specialist	8	02/02/2009
Outreach & Awareness Specialist	7	01/04/2010
Outreach & Awareness Specialist	3	10/01/2007
Outreach & Awareness Specialist	1	01/04/2010
Outreach & Awareness Manager	6	03/24/2009
Program Director	5	08/04/2008
Project Coordinator	4	04/01/2005
Project Management Director	30	12/16/2009
Project Manager	4	01/14/2008
Project Manager	1	03/16/2010
Project Manager	1	01/14/2008

Provider Relations Manager		8	02/17/2005
Research & GIS Analyst		3	05/14/2007
Research Analyst		97	02/16/2010
Research Analyst		97	02/16/2010
Research Analyst		97	02/16/2010
Research Analyst		96	02/16/2010
Research Analyst		96	02/16/2010
Research Analyst		96	02/16/2010
Research Analyst		96	02/16/2010
Research Analyst		9	06/01/2009
Research Analyst		2	02/16/2010
Research Analyst		1	02/01/2010
Research Manager		4	05/14/2007
State Services Manager		3	07/01/2007
State Services Specialist		55	02/02/2009

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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	143,175	0
Contract Labor	Contract Labor	Y	Y	12/20/2009	12/19/2014	164,596	93,362

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Funding

10p. How much Federal funding has been expended as of the end of the last quarter? $1,195,480   10q. How much Remains? $2,784,352

10r. How much matching funds have been expended as of the end of last quarter? $283,725   10s. How much Remains? $746,942

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	$1,199,434	$123,752	$1,323,186	$298,650	$45,520	$344,170
Personnel Fringe Benefits	$257,278	$32,004	$289,282	$64,376	$10,560	$74,936

Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
Travel	$157,557	$0	$157,557	$51,180	$95	$51,275
Equipment	$139,143	$0	$139,143	$70,312	$0	$70,312
Materials / Supplies	$50,350	$0	$50,350	$17,306	$0	$17,306
Subcontracts Total	$891,457	$106,883	$998,340	$321,659	$93,362	$415,021
Subcontract #1	$321,347	$0	$321,347	$143,175	$0	$143,175
Subcontract #2	$506,111	$106,883	$612,994	$164,596	$93,362	$257,958
Subcontract #3	$25,316	$0	$25,316	$5,430	$0	$5,430
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	$54,298	$685,883	$740,181	$9,582	$81,622	$91,204
Total Direct Costs	$2,749,517	$948,522	$3,698,039	$833,065	$231,159	$1,064,224
Total Indirect Costs	$1,230,315	$82,145	$1,312,460	$362,415	$52,566	$414,981
Total Costs	$3,979,832	$1,030,667	$5,010,499	$1,195,480	$283,725	$1,479,205
% Of Total	79	21	100	81	19	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-$9,210
• GIS Software Maintenance-$5,195
• Spectrum Analyzer-$4,477
• Speed Test Software-$2,428
• Google Earth Pro-$ 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 server, security application, additional backup replication solution, computers, a spectrum analyzer, GPS units, interactive map upgrades/ 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

Connect South Carolina received a Community Anchor Institution (CAI) data set from the South Carolina Budget and Control Board as part of an in-kind match contribution to Connect South Carolina with its mapping and planning goals - $71,232

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

10aa. If yes, please list
*Connect South Carolina (CSC) successfully submitted to the National Telecommunications and Information Administration (NTIA) an update to the state broadband dataset. The data update submission under the State Broadband Initiative includes datasets for 86% of the South Carolina (SC) provider community, or 43 of 50 total providers. Of the 43 participating providers, 25 supplied an update to their network or coverage area(s), while 17 reported no change. The remaining 1 represents a provider who previously submitted data but was non-responsive in this update. Of the 7 providers that were not represented in the datasets, 2 refused to participate in the voluntary program, 3 were non-responsive to multiple contact attempts, and 2 providers were in some form of progress toward data submission but were not able to submit coverage areas at the time of the submission.

*Maintained the budget/cost model for CSC and tracked project deliverables.
*Maintained the CSC website in order to explain the program, process speed tests, and gather information from consumers and Community Anchor Institutions (CAI).
*Obtained additional CAI data for entities purchasing connectivity via the state contract.
*Maintained a broadband data collection activity and a broadband update database.
*Requested and processed broadband coverage coordinate data sets (updates and new requests) from SC provider community.
*Responded to consumer inquiries received through CSC website.
*Performed field validation on various providers resulting in a validation rate of 64% or 32 of 50 viable providers.
*Produced monthly status reports, data collection, activity log, and website statistics and distributed to the project team.
*Submitted the American Recovery & Reinvestment Act and NTIA performance progress reports.
*Maintained outreach and awareness strategy plan.

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

The reported in-kind match amounts for Connect South Carolina provide approximately 19 percent of the appropriate match percentage but do not account for a new Community Anchor Institution (CAI) data set received from the South Carolina Division of State Information Technology (DSIT) during this reporting period but not yet valued. Connect South Carolina is currently working with DSIT to value this data set which will increase the Q3 2011 totals to a projected match in excess of the required 20%.

10cc. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project
During Q3 2011, Connect South Carolina continued gathering data on the location and broadband connectivity of Community Anchor Institutions (CAI), in accordance with the data requirements of the State Broadband Initiative (SBI) Notice of Funds Availability (NOFA) Technical Appendix. Efforts have been focused on conducting outreach and raising awareness of this important project through a statewide campaign.

Connect South Carolina has formed a strong partnership with the South Carolina Division of State Information Technology (DSIT) to gather connectivity data across all CAI sectors within the state that utilize the services of their state network. During this quarter DSIT submitted connectivity information for thousands of CAI across all CAI sectors. Connect South Carolina will continue processing this data throughout the coming months.

We continue to utilize an online survey and raise awareness of the importance of CAI broadband connectivity. Connect South Carolina has an ongoing mission to educate CAI throughout the state on the importance of participating in the project.

The program's education campaign has been heightened during Q3 with the release of a CAI newsletter which was targeted across all CAI sectors. This newsletter profiled an institution within the state, requested participation in our survey and shared key policy updates. The newsletter is available on the CAI page of the Connect South Carolina website at the following link:
http://connectsc.org/mapping_&_research/Community_Anchor_Institution_Data_Collection.php

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
Technical Assistance Milestones Year 2 Quarter 3 per approved Project Plan:
• Initiate 2011 statewide business survey research –This milestone was met as the Connect South Carolina Statewide business survey was initiated during the third quarter of 2011
• Analyze 2011 non-adopter oversample survey results - This milestone was met. On behalf of the state of South Carolina, Connected Nation (CN) conducted the 2011 non-adopter telephone survey, incorporating recommendations received from state stakeholders and third-party consultants where appropriate. In Q3 2011 CN finished surveying respondents, began analyzing the results, and presented initial results to the state stakeholders.
• Release the South Carolina Strategic Broadband Plan / Report Analysis of the Broadband Landscape in South Carolina - This milestone is currently underway and being developed using the recently submitted semi-annual update data. The revised ETA is now Q1 2012.
• Analyze 2011 statewide residential survey research results - This milestone was met. On behalf of the state of South Carolina, CN conducted the 2011 Residential Technology Assessment survey, incorporating recommendations received from state stakeholders and third-party consultants where appropriate. This survey is designed to measure trends in technology adoption, barriers to adoption, and awareness of available broadband service among South Carolina residents. In Q3 2011 CN finished surveying respondents, began analyzing the results, presented initial results to the state stakeholders, and added results to the Connect South Carolina website.

For more details, please refer to the South Carolina Q3 Supplemental Answers Document
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 South Carolina to ensure that our work exceeds expectations. During Q3 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

No changes anticipated.

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?
Connected Nation conducted a survey that oversamples households that do not subscribe to broadband. This second survey was 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 socioeconomic and demographic groups by surveying non-adopters in South Carolina in a way similar to that conducted by the Federal Communications Commission (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 South Carolina, 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 Q3 2011, CN surveyed 2,401 adult heads of households who do not subscribe to broadband across the state of South Carolina and presented the initial results to state stakeholders.

During the third quarter, local/regional broadband team meetings were not initiated because of delays in hiring regional technology consultants. This issue resulted from delays in the approval of the amended plan which had a cascading effect on initiating local/ regional planning. However, while local/ regional meetings were not initiated, planning and outreach efforts to regional stakeholders continued to take place. The regional technology consultants are expected to be hired in Q4 2011 to begin planning meetings in Q1 2012.

The Connect South Carolina Broadband Plan will be revised using the semi-annual NTIA submission data and presented for review by the South Carolina stakeholders in Q4 2011 and finalized and distributed during Q1 2012.

Additionally, the 2011 CSC Residential Technology Assessment was generated and presented to the South Carolina stakeholders.

For more details, please refer to the South Carolina Q3 Supplemental Answers Document.

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

No challenges were encountered.

11l. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project

Connect South Carolina released the Business Technology Survey and conducted a full-fledged media outreach to state media which generated 42,064,515 media impressions.

Connect South Carolina has utilized data from the Business Technology Survey to develop web, blog, and social media content that illustrates how broadband makes good business sense in South Carolina.

o Technology Report Shows how Broadband Makes Good Business Sense in South Carolina
http://www.connectsc.org/news/index.php?id=tag%3Ablogger.com%2C1999%3Ablog-3745846530608198216.post-3445632697324136179

o South Carolina Businesses Using Broadband Report Higher Annual Revenues than State Averages
http://www.connectsc.org/news/index.php?id=tag%3Ablogger.com%2C1999%3Ablog-3745846530608198216.post-4107988101182599549

o South Carolina Focuses On Broadband
http://www.connectsc.org/news/index.php?id=tag%3Ablogger.com%2C1999%3Ablog-3745846530608198216.post-7533351079775094788

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) 10-28-2011	