U.S. DEPARTMENT OF COMMERCE	2. Award Or Grant Number
	45-50-M09044
Performance Progress Report	4. Report Date (MM/DD/YYYY)
	07-06-2011

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	06-30-2011	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

Birch Communications: Provider states they are still not interested in participating. Refused to Participate

Mainstreet Wireless: Attempted to visit provider's office identified on its website, but address is incorrect; provider remains unresponsive to various contact points. 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 which was collected through the State Broadband Initiatives (SBI) 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 December 31, 2011 Connected Nation will target 3 additional companies in order to achieve a total field validation rate equal to or exceeding 66.00% (currently at 60.00%).

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 South Carolina website and received a total of 1,331 visits between April 1, 2011 and June 30, 2011.

During this quarter, the Connect South Carolina 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 3 for this quarter.

For this reporting period, 232 field verification tests were conducted. Connected Nation's staff conducted multiple tests on the following providers: Almega Cable, AT&T, Atlantic Broadband, CenturyLink, Charter Communications, Chester Telephone Company, Clearwire Corporation, Coastal Cable, Comporium Communications, Electronics Service Company of Hamlet LLC, Fairfield Communications, Family View Cable, Farmers Telephone Cooperative Inc., FTC Communications, Home Telephone Company Inc., NTInet Inc., Palmetto Rural Telephone d.b.a. Low Country, PBT Communications, Pee Dee Net, Pee Dee Online, PRT Communications, Sandhill Telephone Cooperative, SkyRunner, Southern Coast Cable, Sprint, Time Warner Cable Inc., T-Mobile, tw telecom, Verizon South Inc., and Windstream.

To date, Connected Nation has completed field validation testing against 30 companies (out of a universe of 50 viable providers) totaling 60.00% 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?
4.79

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. By leveraging the expertise of the subject matter experts 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 and as such have no impact on the project's timeline. The positions are expected to be filled during Q3 or Q4 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?

6.79

10n. Staffing Table

Job Title	FTE %	Date of Hire
Associate Counsel	3	09/14/2009
Business Programmer Analyst	1	04/02/2007
CAI Coordinator	4	12/13/2004
CAI Data Analyst	8	03/24/2009
CAI Data Manager	2	08/09/2010
ETS Analyst	17	08/24/2009
ETS Analyst	4	02/08/2010
ETS Analyst	3	02/08/2010

ETS Analyst	2	11/01/2007
ETS Manager	4	07/01/2007
ETS Sr. Analyst	7	02/18/2010
General Counsel	2	01/01/2007
GIS Analyst	40	09/17/2007
GIS Intern	18	04/01/2010
GIS Services Manager	3	05/15/2007
Outreach & Awareness Manager	5	03/24/2009
Outreach & Awareness Specialist	19	01/03/2010
Outreach & Awareness Specialist	7	01/04/2010
Outreach & Awareness Specialist	6	02/02/2009
Outreach & Awareness Specialist	6	10/01/2007
Outreach & Awareness Specialist	2	01/04/2010
Project Coordinator	9	04/01/2005
Project Management Director	1	12/20/2004
Project Manager	28	12/16/2004
Project Manager	12	01/14/2008
Project Manager	3	01/14/2008
Project Manager	2	09/04/2007
Project Manager	1	08/20/2007
Project Manager	1	03/16/2010
Provider Relations Manager	5	02/17/2005
Research & GIS Analyst	6	05/14/2007
Research Analyst	80	02/16/2010
Research Analyst	80	02/16/2010
Research Analyst	27	02/16/2010

Research Analyst		11	06/01/2009
Research Analyst		3	02/01/2010
Research Manager		4	05/14/2007
State Services Manager		1	07/01/2007
State Services Specialist		42	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	167,350	0
Contract Labor	Contract Labor	N	Y	12/20/2009	12/19/2014	506,111	106,883

Add Row   Remove Row

Funding

10p. How much Federal funding has been expended as of the end of the last quarter? $944,944   10q. How much Remains? $3,034,888

10r. How much matching funds have been expended as of the end of last quarter? $267,664   10s. How much Remains? $763,003

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	$248,458	$43,250	$291,708
Personnel Fringe Benefits	$257,278	$32,004	$289,282	$53,488	$9,926	$63,414
Travel	$157,557	$0	$157,557	$44,717	$95	$44,812
Equipment	$139,143	$0	$139,143	$66,649	$0	$66,649
Materials / Supplies	$50,350	$0	$50,350	$15,667	$0	$15,667
Subcontracts Total	$891,457	$106,883	$998,340	$228,506	$81,293	$309,799
Subcontract #1	$321,347	$0	$321,347	$65,593	$0	$65,593
Subcontract #2	$506,111	$106,883	$612,994	$150,965	$81,293	$232,258
Subcontract #3	$25,316	$0	$25,316	$3,490	$0	$3,490
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	$5,013	$80,534	$85,547
Total Direct Costs	$2,749,517	$948,522	$3,698,039	$662,498	$215,098	$877,596
Total Indirect Costs	$1,230,315	$82,145	$1,312,460	$282,446	$52,566	$335,012
Total Costs	$3,979,832	$1,030,667	$5,010,499	$944,944	$267,664	$1,212,608

Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
% 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
• Computers & Software-$7,324
• ArchInfo/ArcGIS Software-$5,195
• Spectrum Analyzer-$4,477
• Speed Test Software-$1,133
• 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:
• South Carolina Community Anchor Institutions data set - $71,232

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

10aa. If yes, please list
*Completed draft version of the Connect South Carolina planning report and presented it to the stakeholder for final review.
*Maintained the budget/cost model for Connect South Carolina.
*Updated and tracked project deliverables.
*Maintained the Connect South Carolina website in order to explain the program, process speed tests, and gather information from consumers and Community Anchor Institutions (CAI).
*2011 Residential Survey of non-adopters was kicked off.
*Obtained a CAI data set for K-12 school geo-locations.
*Maintained a broadband data collection activity and a broadband update database.
*Requested and processed broadband coverage coordinate data sets (updates and new requests) from South Carolina provider community.
*Responded to various consumer inquiries received through Connect South Carolina website.
*Completed new broadband availability maps that depict available service with a speed threshold of at least 3 Mbps download and 768 kbps upload.
*Performed analyses of April data and completed sets of maps including provider density maps, provider advertised speed maps, and statewide broadband inquiry maps.
*Began reviewing the Census 2010 data sets to use for the National Telecommunication and Information Administration (NTIA) submission and updated the provider datasheet for use in data collection activities.
*Performed field validation on various providers resulting in a validation rate of 60% or 30 of 50 viable providers.
*Updated the Connect South Carolina amended project plan and resubmitted for approval. The plan was approved by the granting agency on May 23.
*Maintained outreach and awareness strategy plan.
*Produced monthly status reports, data collection, activity log, and website statistics and distributed to Connect South Carolina project team.
*Submitted the Connect South Carolina quarter 1 2011 American Recovery & Reinvestment Act and NTIA performance progress reports.

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
• Connect South Carolina maps were updated and used to further identify unserved and underserved areas and to help communities plan for expanding service to unserved households. http://www.connectsc.org/mapping_&_research/

• A video was produced about the field validation process in all Connected Nation state programs. http://youtu.be/tNMEQKHbDls

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 South Carolina, Connected Nation (CN) finalized the survey instruments for the 2011 Residential Technology Assessment and the non-adopter telephone surveys, incorporating recommendations received from state stakeholders and third-party consultants where appropriate. These surveys are designed to measure trends in technology adoption, barriers to adoption, and awareness of available broadband service among South Carolina residents. In Q2 2011 CN started collecting data from respondents across South Carolina for both of these surveys. In addition, Connected Nation created and publicly released a report documenting technology adoption and barriers among businesses across the territory, based on data from the earlier Business Technology Assessment.

Connect South Carolina provided a draft of an initial planning report for the state during Q2 2011 to the Connect South Carolina stakeholders for final review and approval.

This report is intended to serve as a preliminary assessment of broadband infrastructure and adoption in South Carolina. The purpose of its development and eventual release is to provide an overview of the current state of broadband in South Carolina and spark discussion across multiple broadband stakeholders in the state on key policy and strategies to expand and enhance broadband services.

The report will be formally presented and released publicly within the state when further approval is received from the client.

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 Q2 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

N/A

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

11i. Planning Worksheet						
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 is conducting 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 South Carolina 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 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 Q2 2011, CN finalized the survey instrument and started surveying respondents across South Carolina.

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
• Connect South Carolina released business survey data and launched an interactive webpage providing easy to use information about business insights. The data shows that approximately 29,000 businesses in South Carolina are not using broadband. The survey reveals which economic sectors are lagging behind in broadband adoption as well as the types of platforms they are using, the prices they're paying, and much more.

• The business survey white papers and web widget can be accessed via the following links:
http://www.connectsc.org/research/
http://www.connectsc.org/_documents/SC_BizAssessment.pdf
http://www.connectsc.org/_documents/SC_BizWhitePaper_FINAL.pdf

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) 07-28-2011