U.S. DEPARTMENT OF COMMERCE	2. Award Or Grant Number
Performance Progress Report	47-50-M09041
	4. Report Date (MM/DD/YYYY)
	01-12-2011

1. Recipient Name	6. Designated Entity On Behalf Of:
Connected Tennessee, LLC	Tennessee

3. Street Address	8. Final Report?	9. Report Frequency
618 Church Street, Suite 305,	◯ Yes ◉ No	◉ Quarterly ◯ Semi Annual ◯ Annual ◯ Final

5. City, State, Zip Code		
Nashville, TN 37219-2437		

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	12-31-2010	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, Inc. has chosen not to participate. The provider's main concern was related the fact he does not want to divulge the information publically on his speeds or coverage area.

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

We have not collected any data through extraction programs.

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 communication 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.

Connected Nation has targeted 3 additional providers for in field testing which would yield a 3.22% lift above year-end 2010.

10g. Have you initiated verification activities? ◉ Yes ◯ No

10h. If yes, please describe the status of your activities

BroadbandStat is publicly available on the Connected Tennessee website and received a total of 531 visits between October 1, 2010 and December 31, 2010.

During this quarter, the Connected Tennessee project has received a total of 308 broadband inquiries. Additional information received through e-mail from consumers that can also be used for verification purposes totaled 7 for this quarter.

Connected Nation has identified 93 distinctive broadband providers (WiMAX, fixed wireless, mobile wireless (3G & 4G), ILEC, cable

modem and FTTx) servicing this diversely unique state. To date 100 field tests have been completed (44 in Q4 2010 alone) against 30 companies equating to a 32.26% data validation rate.

Site validation visits occurred in 25 communities across the state during 2010 yielding the following information (i) 100% affirmation of wireless spectrum, (ii) 99% affirmation of speed tests conducted matched data submission, (iii) 96.2% of mobile speed tests fell within reported speed tiers, and (iv) 98.9% of coordinates tested matched data submission.

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

Not applicable; verification activities have been initiated.

Staffing

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

3.65

Connected Nation has numerous staff working on this 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

N/A

10m. When fully staffed, how many full-time equivalent (FTE) jobs do you expect to create or retain as a result of this project?

3.65

10n. Staffing Table

Job Title	FTE %	Date of Hire
Associate Counsel	3	09/14/2009
Business Programmer Analyst	1	04/02/2007
Outreach & Awareness Specialist	14	09/04/2007
CAI Data Analyst	3	03/24/2009
Community Technology Specialist	9	10/10/2007
Community Technology Specialist	52	01/18/2010
Community Technology Specialist	57	09/17/2007
ETS Analyst	1	08/03/2009
ETS Analyst	3	11/01/2007
ETS Analyst	4	08/24/2009
ETS Analyst	10	07/13/2009
ETS Analyst	10	02/08/2010
ETS Manager	6	07/01/2007
ETS Senior Analyst	1	02/18/2010
Executive Director, TN	33	12/01/2004
General Counsel	4	01/01/2007
GIS Analyst	4	09/17/2007

GIS Intern	15	04/01/2010
GIS Services Manager	35	05/15/2007
Outreach & Awareness Manager	3	03/24/3009
Outreach & Awareness Specialist	1	01/03/2010
Outreach & Awareness Specialist	1	01/04/2010
Outreach & Awareness Specialist	4	01/04/2010
Outreach & Awareness Specialist	5	02/02/2009
Project Coordinator	44	08/01/2010
Project Coordinator	2	04/01/2005
Project Manager Director	1	12/20/2004
Project Manager	1	12/16/2009
Project Manager	1	08/09/2010
Project Manager	2	08/20/2007
Project Manager	2	03/16/2010
Project Manager	4	01/14/2008
Provider Relations Manager	7	02/17/2005
Provider Relations Specialist	3	11/03/2009
Research & GIS Analyst	3	05/14/2007
Research Analyst	5	06/01/2009
Research Analyst	6	02/01/2010
Research Analyst	3	05/14/2007
State Services Manager	2	07/01/2007

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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
Contract Labor	Contract Labor	N	Y	12/20/2009	12/19/2014	157,177	114,399
ESRI	Hosting	N	Y	02/03/2010	02/02/2012	38,683	0

Add Row	Remove Row

Funding

10p. How much Federal funding has been expended as of the end of the last quarter? $955,826   10q. How much Remains? $3,523,794

10r. How much matching funds have been expended as of the end of last quarter? $224,561   10s. How much Remains? $906,621

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	$1,509,268	$522,401	$2,031,669	$289,832	$43,290	$333,122
Personnel Fringe Benefits	$323,735	$112,054	$435,789	$62,173	$9,286	$71,459
Travel	$128,223	$5,198	$133,421	$23,030	$8,901	$31,931
Equipment	$136,141	$0	$136,141	$63,243	$0	$63,243
Materials / Supplies	$18,612	$500	$19,112	$10,948	$498	$11,446
Subcontracts Total	$603,918	$114,399	$718,317	$105,740	$72,241	$177,981
Subcontract #1	$382,730	$0	$382,730	$26,006	$38,950	$64,956
Subcontract #2	$157,177	$114,399	$271,576	$75,446	$33,291	$108,737
Subcontract #3	$25,328	$0	$25,328	$250	$0	$250
Subcontract #4	$38,683	$0	$38,683	$4,038	$0	$4,038
Subcontract #5	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$0	$0	$0	$0
Other	$434,921	$290,961	$725,882	$2,497	$30,844	$33,341
Total Direct Costs	$3,154,818	$1,045,513	$4,200,331	$557,463	$165,060	$722,523
Total Indirect Costs	$1,324,802	$85,669	$1,410,471	$398,363	$59,501	$457,864
Total Costs	$4,479,620	$1,131,182	$5,610,802	$955,826	$224,561	$1,180,387
% Of Total	80	20	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
• ArcInfo/ArcGIS Software-$3,242
• Computers-$1,725
• Speed Test Software-$495
• Mapping Software-$708

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, ArcInfo/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

Connected Tennessee has not purchased or used any data sets.

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

10aa. If yes, please list
• Continued tracking financial and accounting budgets for Connected Tennessee
• Continued execution of project work plan and Work Breakdown Structure (WBS). Adjustments were made to both the project work

plan and WBS to reflect changes in light of the State Broadband Data & Development Amended and Supplemental Grant Program approval
• Continued to update broadband provider list with new providers
• Continued outreach to non-responsive and refusing providers
• Amplified outreach to general resellers and satellite providers, to further engage them in the program
• Updated broadband data collection activity log
• Executed and securely stored Non-Disclosure Agreements with new providers
• Continued in-the-field validation processes. To-date, 30 providers have been validated in Tennessee, representing 32.97 percent of the viable state providers
• During validation visits, Connected Tennessee representatives conducted demonstrations of BroadbandStat and the Connected Tennessee website with the provider community
• Requested updated broadband coverage coordinate data sets from provider community
• Generated BroadbandStat draft version update to reflect the Notice of Funds Availability compliant October 1 dataset collections, as well as some key attribute changes. Notably, the interactive mapping tool now displays Community Anchor Institution (CAI) information including any connection data provided. Additionally, visitors can now easily identify service providers without entering an address via use of the new identify provider tool.
• Developed and updated plan for continuous collection of CAI information
• Distributed CAI data sets to Geographic Information Systems Mapping team for processing
• Produced status reports, data collection activity log, and website statics as requested
• Delivered draft Tennessee broadband maps to state stakeholders
• Presented program progress to Steering Committee at a quarterly meeting

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

Connected Tennessee has been relying heavily on Tennessee's recommendations to ensure that our work exceeds expectations. During Q4 2010, there were no significant obstacles during the planning process.

10cc. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project

The matching funds expended are currently at 19% of the total funds expended. Connected Tennessee is awaiting documentation from the State of Tennessee that will substantiate their significant in-kind staff time contributed from the inception of the project. We anticipate receiving this documentation within the first quarter of 2011. This will ensure that the match percentage is 20% or more of the total project.

On September 27, Connected Tennessee received notice of a grant award extending SBDD mapping and planning activities for an additional three years. The project plan has been revised to include these new activities and will be formally submitted to NTIA by the scheduled deadline.

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 Tennessee, Connected Tennessee worked with sub-contractors to update the methodology and survey instrument that it will use in its 2011 Residential Technology Assessment. The updated methodology that was developed in Q4 2010 will provide a greater level of analysis regarding barriers to technology adoption among different socioeconomic groups when the survey data is collected in 2011. This data will provide the State of Tennessee with more granular information on how best to develop local adoption initiatives that will target the barriers that are unique to their area.

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

Connected Tennessee has been relying heavily on Tennessee's recommendations to ensure that our work, as well as the work of our subcontractors, exceeds expectations. During Q4 2010, there were no challenges or 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

Upon approval of the project plan and budget, Connected Nation plans to conduct the 2011 residential survey, using the updated methodology and survey instrument that were developed in Q4, 2010. This survey is now anticipated to be funded by the SBDD Technical Assistance grant for Tennessee. This updated and improved methodology will provide a greater level of analysis regarding barriers to technology adoption among different socioeconomic and demographic groups. In particular, this revised methodology will allow Connected Nation to oversample non-adopters in Tennessee 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 socioeconomic profile of the population of non-adopters in Tennessee. This information can then be applied at the local level of detail by area planning teams in Tennessee, who will be in a better position to develop local adoption initiatives that will target the barriers that are unique to that area.

On September 27, 2010 Connected Tennessee received notice of a grant award extending SBDD mapping and planning activities an additional three years. The project plan is currently under development and being revised to include these new activities. The updated plan will be submitted by February 2011 following the guidelines outlined in the extension granted to all awardees.

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?

N/A

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

Connected Tennessee has been relying heavily on Tennessee's recommendations to ensure that our work, as well as the work of our subcontractors, exceeds expectations. During Q4 2010, there were no significant obstacles during the planning process.

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

All planning costs have been combined with mapping costs and reported in the mapping section above.

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) 02-21-2011