

U.S. DEPARTMENT OF COMMERCE

Performance Progress Report

2. Award Or Grant Number

12-50-M09034

4. Report Date (MM/DD/YYYY)

01-13-2011

1. Recipient Name

Florida Department of Management Services

6. Designated Entity On Behalf Of:

N/A

3. Street Address

4030 Esplanade Way, Suite 180,

8. Final Report?

Yes

No

9. Report Frequency

Quarterly

Semi Annual

Annual

Final

5. City, State, Zip Code

Tallahassee, FL 32399

7. Project / Grant Period

Start Date: (MM/DD/YYYY)

12-01-2009

7a.

End Date: (MM/DD/YYYY)

11-30-2014

7b.

Reporting Period End Date:

12-31-2010

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

Birch Communications - Provider has chosen not to participate and was concerned that the information on his speeds or coverage area would be publicly divulged.

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.

During Q1 2011, Connected Nation has targeted 5 broadband providers for either ongoing mobile and WiMAX field validation tests (AT&T and Clearwire) or DSL and cable modem testing (CenturyLink, Bright House Networks LLC, Orlando Telephone Company).

10g. Have you initiated verification activities? Yes No

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

BroadbandStat is publicly available on Connect Florida website and received a total of 344 visits between October 1, 2010 and December 31, 2010.

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

Seventy-four field validation tests have been completed to date, 41 of which were completed in the fourth quarter. These tests were performed in major metropolitan areas (Miami, Orlando, and Jacksonville) as well as in smaller towns across the state (St. Pete Beach, Port Orange, etc.) across numerous platform types (DSL, cable modem (DOCSIS II & III), mobile wireless (3G & 4G), fixed wireless, WiMAX and backhaul). During each visit and field validation test, the Connected Nation staff attempted to meet with the provider community (not only for testing but relationship building as well) and conducted random spectrum analysis studies, confirmed the coordinates for various and numerous cable modem systems, FTTx, telephone company DSLAMs, and utilized WiMAX equipped laptops, 3G iPhones and other relevant equipment to conduct both on-net and off-net throughput speed tests. Connected Nation also had the opportunity to conduct testing while accompanied by a representative from the Department of Management Services to ensure that the state sponsor was satisfied with the field validation techniques.

Connected Nation has completed in-field validation testing on 15 unique broadband providers to date (4 during Q4) which represents a 20% completion rate against all viable broadband providers.

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?

9.46

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

not applicable

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

9.46 (DMS, Connected Nation, University of Florida)

10n. Staffing Table

Job Title	FTE %	Date of Hire
State of Florida DMS Program manager	100	06/22/2009
University of Florida Sr. GIS Analyst	25	06/30/2010
University of Florida Dir. of Operations	5	12/20/2009
University of Florida • Principal Investigator	40	06/23/2010
University of Florida • Project Leader	100	06/23/2010
University of Florida • Communications Network and Technology Analyst	100	06/23/2010
University of Florida • Senior Public Policy Analyst	40	06/23/2010
University of Florida • Senior Public Policy Analyst	40	06/23/2010
University of Florida • Simulation and Financial Modeling Analyst	25	06/23/2010
University of Florida • E-rate analyst	35	11/08/2010
University of Florida • Communications Network Engineering Analysts	20	10/07/2010
University of Florida • Communications Network Engineering Analysts	20	10/07/2010
University of Florida • Administrative Assistant	25	06/23/2010
Connected Nation-Associate Counsel	2	09/14/2009

Connected Nation-Business Programmer Analyst	3	04/02/2007
Connected Nation-CAI Data Analyst	16	03/24/2009
Connected Nation-CAI Data Manager	1	08/09/2010
Connected Nation-ETS Analyst	4	08/24/2009
Connected Nation-ETS Analyst	4	11/01/2007
Connected Nation-ETS Analyst	6	07/13/2009
Connected Nation-ETS Analyst	5	03/20/2010
Connected Nation-ETS Manager	8	07/01/2007
Connected Nation-ETS Manager	13	03/20/2010
Connected Nation-ETS Sr. Analyst	1	02/18/2010
Connected Nation-General Counsel	5	01/01/2007
Connected Nation-GIS Analyst	3	09/17/2007
Connected Nation-GIS Analyst	13	05/14/2007
Connected Nation-GIS Analyst	12	03/20/2010
Connected Nation-GIS Analyst	13	03/20/2010
Connected Nation-GIS Intern	23	04/01/2010
Connected Nation-GIS Intern	25	03/20/2010
Connected Nation-GIS Services Manager	6	05/15/2007
Connected Nation-GIS Services Manager	25	03/20/2010
Connected Nation-Outreach & Awareness Manager	4	03/24/2009
Connected Nation-Outreach & Awareness Specialist	1	01/03/2010
Connected Nation-Outreach & Awareness Specialist	3	01/04/2010
Connected Nation-Outreach & Awareness Specialist	4	01/04/2010
Connected Nation-Outreach & Awareness Specialist	7	02/02/2009
Connected Nation-Project Coordinator	2	04/01/2005
Connected Nation-Project Coordinator	25	03/20/2010
Connected Nation-Project Management Director	3	12/20/2004
Connected Nation-Project Manager	1	12/16/2009
Connected Nation-Project Manager	2	01/14/2008
Connected Nation-Project Manager	2	03/16/2010
Connected Nation-Project Manager	40	08/20/2007
Connected Nation-Project Manager	12	03/20/2010
Connected Nation-Provider Relations Manager	7	02/17/2005

Connected Nation-Provider Relations Specialist	3	11/03/2009
Connected Nation-Research & GIS Analyst	1	05/14/2007
Connected Nation-Research Analyst	2	02/01/2010
Connected Nation-Research Analyst	10	06/01/2009
Connected Nation-Research Analyst	1	03/22/2010
Connected Nation-Research Analyst	1	03/22/2010
Connected Nation-Research Analyst	1	03/22/2010
Connected Nation-Research Manager	6	05/14/2007
Connected Nation-State Services Manager	2	07/01/2007
Connected Nation-State Services Specialist	43	03/24/2009

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
Connected Nation	To assist the State of Florida to meet all mapping grant obligations	Y	Y	12/27/2010	12/31/2011	3,751,769	11,605
University of Florida	Broadband Planning	Y	Y	06/22/2010	06/30/2012	500,000	0
Regional Planning Councils		N	N			990,000	265,000
Contracted Grad Students TBD		N	N			249,600	0
Library Consultant TBD		N	N			560,000	0
Erate Consultant TBD(incl in subcontract 4 below)		N	N			0	80,000

Add Row

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Funding

10p. How much Federal funding has been expended as of the end of the last quarter? \$1,355,966 10q. How much Remains? \$4,952,603

10r. How much matching funds have been expended as of the end of last quarter? \$642,115 10s. How much Remains? \$1,593,094

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	\$2,534,876	\$677,397	\$3,213,273	\$118,960	\$0	\$118,960
Personnel Fringe Benefits	\$195,343	\$224,151	\$419,494	\$6,516	\$0	\$6,516
Travel	\$83,440	\$0	\$83,440	\$0	\$0	\$0
Equipment	\$0	\$11,328	\$11,328	\$0	\$0	\$0
Materials / Supplies	\$0	\$5,544	\$5,544	\$0	\$0	\$0

Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
Subcontracts Total	\$6,051,369	\$356,605	\$6,407,974	\$1,230,490	\$0	\$1,230,490
Subcontract #1	\$3,751,769	\$11,605	\$1,825,022	\$1,085,990	\$0	\$1,085,990
Subcontract #2	\$500,000	\$0	\$500,000	\$144,500	\$0	\$144,500
Subcontract #3	\$990,000	\$265,000	\$4,223,396	\$0	\$0	\$0
Subcontract #4	\$249,600	\$80,000	\$0	\$0	\$0	\$0
Subcontract #5	\$560,000	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$12,000	\$1,602,300	\$1,473,856	\$0	\$642,115	\$642,115
Total Direct Costs	\$8,877,028	\$2,877,325	\$11,754,353	\$1,355,966	\$642,115	\$1,998,081
Total Indirect Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs	\$8,877,028	\$2,877,325	\$11,754,353	\$1,355,966	\$642,115	\$1,998,081
% Of Total	76	24	100	68	32	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 - \$4,524
- Computers - \$223
- Speed Test Software - \$2,507

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, 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

NA

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

10aa. If yes, please list

NA

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

None to report

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

Our sub-contractor, 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.

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

Beginning in November 2010, the project team developed and produced iterative drafts of the Final Report. These drafts address project deliverables of supply and demand of broadband capacity for government use in Florida and barriers and gaps to more effective use of such capacity, based on team research in the subject areas, survey work and extensive interviews of government IT managers and other stakeholders, as well as broadband trends and comparisons to other states. The report drafts are produced using an iterative process of team review and "vetting" and are provided to DMS periodically. DMS, the mapping team, and the broadband planning team have coordinated to produce a web-based map viewer showing locations of government fiber networks and state network (MFN) locations. Team members are using an established Sharepoint document management system for the team's collection of research and analysis documents. Relevant sections of the draft report are being provided to stakeholders for their assistance in "fact checking." The Final Report is on schedule to be delivered in Mid-February, and will consist of the report itself plus a large volume of supporting analysis and documentation and appendices consisting of relevant material produced by others.

11b. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing For the planning project, the scope of the project and large volume of information in a rapidly changing subject area is a continual challenge for up to date accuracy and completeness. The project team members use knowledge and experience to stay focused on the most relevant subjects and material, as well as use of a centralized library using Sharepoint weekly team conference calls.

The planning project results are dependant on access to government investment in and use of broadband services. As such local and state agency participation in the planning project is voluntary and not mandatory. Government agencies are subject to heavy demands for their time and resources. The project team is compensating as much as possible for this by flexible scheduling of meetings and information requests. It has become clear that some information simply will not be produced for the purposes of this project due at least in part to organizational and resource limitations. The report recognizes these cases in specific discussion, with observations on why it might be important to pursue the information for future broadband planning.

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

None 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

11i. Planning Worksheet

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?

NA

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

challenges, obstacles and milestones were described in question 11b.

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

NA

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

Bill Price

Broadband Program Director

12c. Telephone
(area code, number, and extension)
(850) 491-0709

12d. Email Address
Bill.Price@dms.myflorida.com

12b. Signature of Authorized Certifying Official

Submitted Electronically

12e. Date Report Submitted
(Month, Day, Year)

02-02-2011