

U.S. DEPARTMENT OF COMMERCE

Performance Progress Report

2. Award Or Grant Number

72-50-M09040

4. Report Date (MM/DD/YYYY)

10-12-2011

1. Recipient Name

Puerto Rico Governor's Office

6. Designated Entity On Behalf Of:

Puerto Rico

3. Street Address

P.O. Box 9020082,

8. Final Report?

Yes

No

9. Report Frequency

Quarterly

Semi Annual

Annual

Final

5. City, State, Zip Code

San Juan, PR 00902-0082

7. Project / Grant Period
Start Date: (MM/DD/YYYY)

12-20-2009

7a. End Date: (MM/DD/YYYY)

12-19-2014

7b. Reporting Period End Date:

09-30-2011

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

Aeronet Wireless Broadband Corp.: In addition to contact attempts made between July 1, 2010 and February 21, 2011, 5 additional attempts were made this period.

Orizon Wireless Corp: In addition to contact attempts made between July 1, 2010 and February 17, 2011, 3 additional attempts were made this period.

Telefonica International Holding, BV: In addition to contact attempts made between July 1, 2010 and February 17, 2011, 4 additional attempts were made this period.

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 has deployed and is hosting BroadbandStat (BBStat) web application. ESRI houses the customized BBStat 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 is collected 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 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 the project team 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) our vendor Connect Puerto Rico proposed to target 2 additional companies in order to achieve a total field validation rate equal to or exceeding 68.42% before December 31, 2011. As of this report, field validation

has been completed on 66.67% of the provider universe.

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 Puerto Rico website (<http://www.connectpr.org>) and received a total of 378 visits between July 1, 2011 and September 30, 2011.

During this quarter, a total of 16 broadband inquiries were received. Additional information received through e-mail from consumers that can also be used for verification purposes totaled 1 for this quarter.

For this reporting period, 10 verification tests were conducted. Thus far, multiple tests have been conducted on the following providers: Aeronet Wireless; AT&T; Critical Hub Networks; Choice Communications; Data@ccess; Liberty Cablevision of Puerto Rico; Neptuno Media; San Juan Cable LLC (d.b.a. OneLink); Puerto Rico Telephone Company; Sprint; T-Mobile; and Worldnet.

To date, field testing has been completed against 12 companies (out of a universe of 18 viable providers) totaling 66.67% on the island.

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?

1.97

Our vendor 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 necessity of supporting a more expansive 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?

1.97

10n. Staffing Table

Job Title	FTE %	Date of Hire
Associate Counsel	5	09/14/2009
Business Programmer Analyst	2	04/02/2007
CAI Coordinator	1	12/13/2004
CAI Data Analyst	6	03/24/2009
CAI Data Manager	3	08/09/2010
ETS Analyst	1	11/01/2007
ETS Manager	6	07/01/2007
General Counsel	4	01/01/2007

GIS Analyst	18	04/01/2010
GIS Analyst	2	11/16/2009
GIS Analyst	1	10/19/2009
GIS Analyst	1	04/01/2010
GIS Services Manager	3	05/15/2007
Outreach & Awareness Manager	5	03/24/2009
Outreach & Awareness Specialist	8	02/02/2009
Outreach & Awareness Specialist	8	01/04/2010
Outreach & Awareness Specialist	5	01/03/2010
Outreach & Awareness Specialist	3	10/01/2007
Outreach & Awareness Specialist	1	01/04/2010
Program Director	5	08/04/2008
Project Coordinator	3	04/01/2005
Project Management Director	3	12/16/2009
Project Manager	34	01/14/2008
Project Manager	17	03/16/2010
Provider Relations Manager	8	02/17/2005
Research Manager	2	05/14/2007
State Services Manager	3	07/01/2007
State Services Sr. Specialist	39	12/20/2009

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
Connect Puerto Rico	Mapping and Planning Activities	Y	Y	04/10/2010	12/14/2014	2,278,668	0
PR Infrastructure Financing Administration (AFI)	Grant Administration	N	N	03/01/2010	12/14/2014	244,030	0

Add Row

Remove Row

Funding

10p. How much Federal funding has been expended as of the end of the last quarter? \$914,398 10q. How much Remains? \$1,619,280
 10r. How much matching funds have been expended as of the end of last quarter? \$198,779 10s. How much Remains? \$441,449

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	\$0	\$97,850	\$97,850	\$0	\$12,054	\$12,054
Personnel Fringe Benefits	\$0	\$20,000	\$20,000	\$0	\$3,155	\$3,155
Travel	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$55,000	\$55,000	\$0	\$0	\$0
Materials / Supplies	\$0	\$0	\$0	\$0	\$0	\$0
Subcontracts Total	\$2,522,698	\$0	\$2,522,698	\$914,398	\$42,500	\$956,898
Subcontract #1	\$2,278,668	\$0	\$2,278,668	\$878,704	\$42,500	\$921,204
Subcontract #2	\$244,030	\$0	\$244,030	\$35,694	\$0	\$35,694
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	\$10,980	\$467,378	\$478,358	\$0	\$141,069	\$141,069
Total Direct Costs	\$2,533,678	\$640,228	\$3,173,906	\$914,398	\$198,779	\$1,113,177
Total Indirect Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs	\$2,533,678	\$640,228	\$3,173,906	\$914,398	\$198,779	\$1,113,177
% Of Total	80	20	100	82	18	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-\$64,548
- Speed Test Software-\$4,081
- Computers & Software-\$1,905
- GIS Software Maintenance-\$1,415
- 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, BroadbandStat 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

The project team has not purchased or used any datasets.

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

10aa. If yes, please list

- *Produced and distributed monthly status reports, data collection activity log, and website statistics to the project team.
- *Continued to process speed tests, technology assessments, and broadband inquiries from the Connect Puerto Rico website.
- *Continued to solicit and encourage participation by Puerto Rican broadband providers in the broadband mapping project.
- *Continued to geocode and map broadband coverage datasets submitted by the provider community.
- *Our vendor Connect Puerto Rico submitted to National Telecommunications and Information Administration (NTIA) a broadband mapping data update that includes the participation of just over 88% of the Puerto Rican broadband provider community, or 16 of 18 total providers. Of the 16 participating providers, 10 supplied an update to their network or coverage area(s), while 6 reported no change. The remaining 2 providers have been non responsive to the voluntary program.
- *Conducted field validation testing of mapping data in and around San Juan, Mayaguez, Ponce, and Caguas.
- *Compiled the information for the quarterly American Recovery and Reinvestment Act and NTIA reports.
- *Created 10 blog posts on the www.connectpr.org website and made 30 broadband related updates on the Connect Puerto Rico Facebook and Twitter sites.
- *Continued to work with PR Office of the Chief Information Officer (OCIO), PR Internet Society, PR Telecommunications Regulatory Board, and the PR Broadband Taskforce to support Taskforce meetings and facilitate the development of a strategic broadband plan for Puerto Rico.
- *Prepared work documents such as the Goals & Standards: Guidance and Discussion Tool for the Puerto Rico Broadband Taskforce and the Broadband Plan Chapter Outline Template to help sector constituents inform and present the vision, challenges, and solutions of specific chapters in the Plan.
- *Reviewed Universal Service Funds reform developments and implications with PR OCIO.

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

No challenges or obstacles were encountered during Q3 2011.

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

Connect Puerto Rico maps were used to further identify unserved and underserved areas and to expand service to unserved households.

English: <http://en.connectpr.org/mapping/>

Spanish: <http://connectpr.org/mapa/>

As part of the State Broadband Initiatives (SBI) grant program, our vendor, Connected Nation, conducts independent validation and verification of the information that broadband providers report to us. In addition, an engineering review process is in place for estimating broadband service availability of firms that chose not to participate in the SBI program and do not share estimates of their broadband network with us. In Puerto Rico, for example, the semi-annual submission estimates the service coverage area, as the result of extensive field testing on the island and visits by our vendor's engineering team, of one cable company on the island that has not provided data. A separate white paper describing these validation and verification processes was provided to the FCC in coordination with the submission. These procedures have been used by our vendor in Puerto Rico and this process may be employed again by Connect Puerto Rico if it is deemed necessary.

During Q3 2011, Connect Puerto Rico, working in close coordination with the Puerto Rico Office of the Chief Information Officer (OCIO), 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 Puerto Rico has an ongoing mission to educate CAI throughout the state on the importance of participating in the project. We continue to utilize an online survey in both Spanish and English and raise awareness of the importance of CAI broadband connectivity.

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 Commonwealth of Puerto Rico, Connected Nation (CN) edited the survey instruments for the 2011 Residential Technology Assessment and the non-adopter telephone surveys, incorporating recommendations received from 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 Puerto Rico residents.

The Office of Chief Information Officer (CIO) and Connect Puerto Rico coordinated the creation of the Puerto Rico Broadband Taskforce (PRBT). The inaugural meeting, facilitated by Connect Puerto Rico, took place on May 24, 2011, and the founding Charter was signed. In attendance were the five original founders: the CIO of Puerto Rico; the President of the Puerto Rico Junta de Reglamencion de las Telecomunicaciones; a representative from the Internet Society of Puerto Rico; and representatives from the IT vendor and telecommunications provider subcommittees. The goal of the PRBT is to author a Strategic Broadband Plan for Puerto

Rico that will provide a blueprint to help bridge the digital gap across the island. In order to ensure key stakeholders provide input to the Strategic Plan, the PRBT is currently composed of 12 members representing stakeholders from the Broadband ecosystem on the island.

Connect Puerto Rico serves in a supporting capacity to the PRBT. In that capacity, Connect Puerto Rico provides multiple deliverables to the PRBT such as working products geared towards the completion of the Strategic Plan, including Strategic Plan outlines and guidance documents. Further, Connect Puerto Rico supports the PRBT by informing on broadband issues as they relate to Puerto Rico.

Three PRBT meetings have taken place during Q3 2011 as work progresses towards the completion of the Puerto Rico Strategic Broadband Plan.

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

A key challenge for the subsequent quarter will be the completion of the strategic plan by the PRBT. Connect Puerto Rico will provide drafting assistance of the plan, as needed, for the PRBT.

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

The residential survey update that was scheduled for Q1 2011 has been moved to Q4 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
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?

On behalf of the Commonwealth of Puerto Rico, Connected Nation will conduct a survey that oversamples households that do not subscribe to broadband. This 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 socioeconomic and demographic groups by surveying non-adopters in Puerto Rico 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 Puerto Rico, 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 refined the script and met with third-party contractors to plan the analysis methodology for this survey.

In Q3 2011 Connect Puerto Rico continued to build off the relationships that are already being developed through the work of the Puerto Rico Broadband Task Force and the OCIO. Additionally we are working closely with key members of the healthcare sector to receive existing data already collected on the Island and partner together to release a healthcare specific survey during Q4 2011.

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

No challenges or obstacles were encountered during Q3 2011.

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

- Connect Puerto Rico published U.S. Census statistics along with the 2010 Connect Puerto Rico Residential Technology Assessment data that indicated that over 250,608 households, or roughly 443,000 children, do not have broadband service at home. <http://en.connectpr.org/news/?id=tag%3Ablogger.com%2C1999%3Ablog-4260793218270970668.post-2239503859878335219>

- The Puerto Rico Broadband Task Force brought on board three new members at the August meeting.

- Connect Puerto Rico Incorporates Translation Functionality into the Communications Workflow

Connect Puerto Rico initiated the use of a translation service to provide more Spanish content to the Connect Puerto Rico website. http://connectpr.org/comunicado_de_prensa/?id=tag%3Ablogger.com%2C1999%3Ablog-6782675132920153034.post-8462191640321389153

- Connect Puerto Rico Facebook and Twitter pages continue to gain followers with an increase of approximately 50 followers from the last reporting period. The program continues to reach out to consumer groups and news outlets to grow the online community and increase the dialogue about the benefits of broadband.

Facebook: <http://www.facebook.com/pages/Connect-Puerto-Rico/121453822476>

Twitter: <http://twitter.com/#!/CPuertoRico>

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

Maria Pou

12c. Telephone
(area code, number, and extension)

787-977-9200

12d. Email Address

mpou@fortaleza.gobierno.pr

12b. Signature of Authorized Certifying Official

Submitted Electronically

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

11-21-2011