

U.S. DEPARTMENT OF COMMERCE

Performance Progress Report

2. Award Or Grant Number

72-50-M09040

4. Report Date (MM/DD/YYYY)

04-27-2011

1. Recipient Name

Puerto Rico Governor's Office

6. Designated Entity On Behalf Of:

NA

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:

03-31-2011

9a. If Other, please describe:

NA

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

Onelink Communications: Since provider has previously decided not to participate, the Engineering and GIS team created an estimate from publicly available data and performed on-island field testing and interviews to refine estimate for submission. Provider was kept apprised of activities and estimates and encouraged to supply input and approval. Provider remained unresponsive until 2 days before the deadline when they shared a map of OneLink's franchise boundary. - "Refused to Participate (estimated service area submitted)"

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 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.

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 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

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 and received a total of 381 visits between January 1, 2011 and March 31, 2011.

During this quarter, the Connect Puerto Rico project received a total of 20 broadband inquiries.

Extensive field validation tests were conducted in Puerto Rico on the following providers: Aeronet Wireless, AT&T, Critical Hub Networks, 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 validation testing has been completed against 11 companies (out of a universe of 19 viable providers) totaling 57.89% on the island.

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

NA

Staffing

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

2.72

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

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

2.72

Our vendor, 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.

10n. Staffing Table

Job Title	FTE %	Date of Hire
Associate Counsel	2	09/14/2009
Business Programmer Analyst	2	04/02/2007
CAI Coordinator	3	12/13/2004
CAI Data Analyst	4	3/24/2009
CAI Data Manager	3	8/9/2010
ETS Analyst	10	8/24/2009
ETS Analyst	9	8/3/2009
ETS Analyst	8	7/13/2009
ETS Analyst	8	7/13/2009
ETS Analyst	2	11/1/2007
ETS Manager	10	7/1/2007
General Counsel	5	1/1/2007
GIS Analyst	38	4/1/2010
GIS Analyst	7	1/11/2010
GIS Intern	1	4/1/2010
GIS Services Manager	6	5/15/2007
Outreach & Awareness Manager	4	3/24/2009

Outreach & Awareness Manager	8	1/3/2010
Outreach & Awareness Manager	6	1/4/2010
Outreach & Awareness Manager	5	2/2/2009
Outreach & Awareness Manager	4	10/1/2007
Outreach & Awareness Manager	3	1/4/2010
Project Coordinator	4	4/1/2005
Project Management Director	2	12/20/2004
Project Manager	37	1/14/2008
Project Manager	14	3/16/2010
Project Manager	3	8/20/2007
Project Manager	3	12/16/2009
Project Manager	2	1/14/2008
Provider Relations Manager	8	2/17/2005
Research & GIS Analyst	1	5/14/2007
Research Analyst	4	2/1/2010
Research Analyst	2	6/1/2009
Research Manager	4	5/14/2007
State Services Manager	2	7/1/2007
State Services Sr. Specialist	38	12/20/2009

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	1,180,691	0
PR Infrastructure Financing Administration (AFI)	Grant Administration	N	N	03/01/2010	12/14/2014	244,030	0

Funding

10p. How much Federal funding has been expended as of the end of the last quarter? \$670,904 10q. How much Remains? \$1,862,774
10r. How much matching funds have been expended as of the end of last quarter? \$176,978 10s. How much Remains? \$463,250

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	\$9,369	\$9,369
Personnel Fringe Benefits	\$0	\$20,000	\$20,000	\$0	\$2,484	\$2,484

Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
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	\$670,904	\$35,999	\$706,903
Subcontract #1	\$2,278,668	\$0	\$2,278,668	\$642,650	\$35,999	\$678,649
Subcontract #2	\$244,030	\$0	\$244,030	\$28,254	\$0	\$28,254
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	\$129,125	\$129,125
Total Direct Costs	\$2,533,678	\$640,228	\$3,173,906	\$670,904	\$176,978	\$847,882
Total Indirect Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs	\$2,533,678	\$640,228	\$3,173,906	\$670,904	\$176,978	\$847,882
% Of Total	80	20	100	79	21	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:

- Broadband Stat-\$64,548
- ESRI ArchInfo/ArcGIS Software-\$1,416
- Computers-\$962
- Ookla Net Metrics Speed Test Software-\$2,686
- 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

NA

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

10aa. If yes, please list

- * Maintained and updated the budget/finance cost model for Connect Puerto Rico.
- * Produced and distributed monthly status reports, data collection activity log, and website statistics to the Connect Puerto Rico project team.
- * Began development of a schedule for upcoming research activities and surveys to be conducted for Puerto Rico.
- * 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.

- * Collected data manually to create a coverage polygon for a Puerto Rico broadband provider by physically testing advertised coverage areas and contacting local residents to gather broadband availability data.
- * Performed field validation checks on broadband provider datasets.
- * Compiled and submitted Puerto Ricos semiannual broadband mapping data in accordance with NTIA requirements.
- * Changed the Connect Puerto Rico website to default to Spanish language with English a selectable option.
- * Uploaded Spanish versions of Speed Test and Provider Speed maps to the Connect Puerto Rico website.
- * Produced platform maps representing locations where more than one broadband platform is available, where only one broadband platform is available, and a layer for mobile broadband service.
- * Led a Puerto Rican broadband forum to discuss Connect Puerto project highlights, USF reform, strategies for addressing key broadband issues, and the formation of a committee with an objective of creating a broadband plan for Puerto Rico.
- * Worked with members of the Internet Society of Puerto Rico to compose a project charter for the formation of a Puerto Rican broadband committee/task force.
- * Began preparing a draft outline for Puerto Ricos strategic broadband plan.

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

Our contractor Connected Nation will assign resources to the extent practical in order to meet the predetermined deadline on the project.

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

NA

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

The Office of CIO coordinated a broadband stakeholder meeting event resulting in attendees from several government agencies, providers, non-profits, academia, and the private sector. The event informed stakeholders of mapping and planning highlights and forward-looking strategies for addressing key broadband issues facing Puerto Rico. The event also announced the efforts to form a broadband task force and invited stakeholders to become actively engaged in this ongoing dialogue. The event generated a significant amount of feedback and engagement from stakeholders.

The OCIO, the Internet Society and the Telecommunications Regulatory Board collaborated to constitute a Puerto Rico Broadband Task Force charter. The charter was designed to formally guide the task force protocol for informing and developing a Broadband Strategic Plan for Puerto Rico.

On behalf of the Commonwealth of Puerto Rico, Connected Nation (CN) wrote the survey instrument for the 2011 Residential Technology Assessment telephone survey, incorporating recommendations received from state stakeholders 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.

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

During Q1 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

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

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

Juan E Rodriguez de Hostos

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

787-721-7000

12d. Email Address

jerodriguez@fortaleza.gobierno.pr

12b. Signature of Authorized Certifying Official

Submitted Electronically

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

07-15-2011