U.S. DEPARTMENT OF COMMERCE	2. Award Or Grant Number
	72-50-M09040
Performance Progress Report	4. Report Date (MM/DD/YYYY)
	01-05-2012

1. Recipient Name	6. Designated Entity On Behalf Of:
Puerto Rico Governor's Office	Puerto Rico

3. Street Address	8. Final Report?	9. Report Frequency
P.O. Box 9020082,	○ Yes ⦿ No	⦿ Quarterly ○ Semi Annual ○ Annual ○ Final

5. City, State, Zip Code		
San Juan, PR 00902-0082		

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	12-31-2011	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

Nothing to report.

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

No data has been collected through extraction or extrapolation.

10f. Please describe the verification activities you plan to implement

Esri is deploying and hosting the BroadbandStat (BBStat) web application. Esri houses 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 in the form of broadband inquiries is also collected. 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) 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 our vendor 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 previous Performance Progress Report (PPR) period, 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 54.55% of the provider universe. The year-end proposed validation rate and the actual reported validation rate differential is attributed to the increase of viable companies.

...please refer to the Q4 2011 PUERTO RICO Supplemental Answer Document.

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 346 visits

between October 1, 2011 and December 31, 2011.

During this quarter, the Connect Puerto Rico project received a total of 4 broadband inquiries.

For this reporting period, zero verification tests were conducted. Thus far, project staff conducted multiple tests 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 validation testing has been completed against 12 companies (out of a universe of 22 viable providers) totaling 54.55% on the island.

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?
1.84

Our vendor has numerous staff working on the 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 (SMEs) in their respective areas. The project benefits by leveraging the SMEs' 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?

1.84

10n. Staffing Table

Job Title	FTE %	Date of Hire
Associate Counsel	1	09/14/2009
Business Programmer Analyst	2	04/02/2007
CAI Coordinator	1	12/13/2004
CAI Data Analyst	7	03/24/2009
ETS Analyst	1	11/01/2007
ETS Manager	2	07/01/2007
ETS Sr. Analyst	2	02/18/2010
General Counsel	1	01/01/2007
GIS Analyst	1	11/16/2009
GIS Analyst	15	04/01/2010
GIS Services Manager	1	05/15/2007

Outreach & Awareness Manager	5	03/24/2009
Outreach & Awareness Specialist	3	10/01/2007
Outreach & Awareness Specialist	4	02/02/2009
Outreach & Awareness Specialist	7	01/04/2010
Outreach & Awareness Specialist	9	01/03/2010
Program Director	5	08/04/2008
Project Coordinator	1	08/01/2008
Project Coordinator	2	04/01/2005
Project Management Director	1	12/16/2009
Project Manager	10	03/16/2010
Project Manager	35	01/14/2008
Provider Relations Manager	6	02/17/2005
Research & GIS Analyst	10	05/14/2007
Research Analyst	1	02/01/2010
Research Analyst	1	09/19/2011
Research Analyst	18	06/01/2009
Research Manager	2	05/14/2007
State Services Manager	1	07/01/2007
State Services Sr. Specialist	29	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	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? $1,078,602   10q. How much Remains? $1,455,076

10r. How much matching funds have been expended as of the end of last quarter? $226,983   10s. How much Remains? $413,245

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	$16,163	$16,163
Personnel Fringe Benefits	$0	$20,000	$20,000	$0	$4,182	$4,182
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	$1,078,602	$44,630	$1,123,232
Subcontract #1	$2,278,668	$0	$2,278,668	$1,040,404	$44,630	$1,085,034
Subcontract #2	$244,030	$0	$244,030	$38,198	$0	$38,198
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	$162,007	$162,007
Total Direct Costs	$2,533,678	$640,228	$3,173,906	$1,078,602	$226,983	$1,305,585
Total Indirect Costs	$0	$0	$0	$0	$0	$0
Total Costs	$2,533,678	$640,228	$3,173,906	$1,078,602	$226,983	$1,305,585
% Of Total	80	20	100	83	17	100

Hardware / Software

10u. Has the project team purchased the software / hardware described in the application?   ●Yes ○No

10v. If yes, please list
Broadband Stat - $64,548
Esri ArcInfo/ArcGIS Software - $1,415
Computers & Software - $3,294
Speed Test Software - $4,081
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 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

N/A

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

10aa. If yes, please list
As of Q4 2011 our matching contribution was 17%, just under the requirement. On January 27, 2011 Connect Puerto Rico was able to access and use the Puerto Rico Electric Power Authority GIS data sets with an approximate value of $80,000 which will be considered

as a matching contribution in the Q1 2012 reporting. By the end of Q1 2012, we expect to increase our matching contribution above the 20% requirement when the rest of the GIS data sets, Puerto Rico Water & Sewer Authority among others are to be made available to Connect Puerto Rico.

Also during Q4 2011, our mapping vendor, 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 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.

In Q4 2011, our mapping vendor continued to build from 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. In working with community groups, we have also been able to obtain information for 165 Community Technology Centers across the island.

Connect Puerto Rico has an ongoing mission to educate CAI throughout the commonwealth 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.

Other activities conducted this quarter include:

...please refer to the Q4 2011 PUERTO RICO Supplemental Answer Document.

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

Oftentimes CAI data contain address information which simply does not translate to geocoded data. Strategies to overcome this challenge include contacting the CAI directly to clarify location and engaging the OCIO GIS Manager to interpret addressing information through local area knowledge.

10cc. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project
*Connect Puerto Rico broadband maps were used to further identify unserved and underserved areas and to expand service to unserved households in Puerto Rico. Available in English here http://en.connectpr.org/mapping/. Available in Spanish here http://www.connectpr.org/broadband-landscape?lang=es.

* Connect Puerto Rico released new broadband maps that reveal that 14% of Puerto Rico households remain unserved by any fixed broadband provider, representing approximately 176,000 unserved households that do not have access to a fixed wireless or wired broadband service offering (excluding mobile and satellite service).

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 Chief Information Officer (OCIO) and Connect Puerto Rico coordinated the creation of the Puerto Rico Broadband Taskforce (PRBT). 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.

Four PRBT meetings took place during Q4 2011 to advance the progress of the Puerto Rico Strategic Broadband Plan. During the quarter, the PRBT revised the estimated completion date of the Strategic Broadband Plan to the end of Q1 2012.

On behalf of the Commonwealth of Puerto Rico, 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 Puerto Rico residents. In Q4 2011, CN contracted with a local Puerto Rico business establishment (Estudios Tecnicos Inc.) to conduct the Residential Technology Assessment and non-adopter telephone surveys. CN provided the survey instruments to Estudios Tecnicos and the instrument is currently being translated and programmed to begin dialing the surveys. (http://www.connectpr.org/research).

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

Due to input required by the many sectors of the PRBT the initial completion timeline for the Broadband Strategic Plan was not met. The PRBT has set a new completion date of Q1 2012.

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 completion date of the Puerto Rico Strategic Broadband Plan has been moved to Q1 2012.

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?
* Connect Puerto Rico continued to work with PR Office of the Chief Information Officer (OCIO), PR Internet Society, PR Telecommunications Regulatory Board, PR Broadband Providers, and the PR Broadband Taskforce to facilitate the development of a strategic broadband plan.

* Attended meetings of the PR Broadband Taskforce to facilitate, support, and advise on broadband-related topics pertaining to Puerto Rico.

* Revised the timeline and assigned roles for the composition of the Puerto Rico Strategic Broadband Plan.

* Reviewed and discussed Universal Service Fund reform developments and implications for Puerto Rico.

* Planned residential broadband and broadband non-adopter research surveys with Estudios Technicos.

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

No additional challenges or obstacles were encountered during Q4 2011.

11l. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project
* Fifty telecommunications industry representatives, including Connected Nation, participated in the half-day brainstorming session, "IDB's Broadband Platform: Creating a regulatory framework that works." The focus of the meeting was to seek industry experience and input to improve the regulatory framework to help facilitate increased broadband penetration in Latin America and the Caribbean: http://www.connectpr.org/blog/post/making-universal-service-truly-%E2%80%9Cuniversal%E2%80%9D

* Connect Puerto promoted the 2011 Puerto Rico Telecom Conference on the website, blog and social media pages: http://www.facebook.com/notes/connect-puerto-rico/puerto-rico-telecom-conference-2011/10150341920702477

* In November, former Federal Communications Commissioner Henry Rivera highlighted the importance of expanding broadband and closing the digital divide in his presentation, Connecting the Dots in the Digital Age: Policy, Social Capital and Advocacy, at the National Caucus of Hispanic State Legislator Summit in Fajardo, Puerto Rico. This event took place after Connect Puerto Rico had recently released a report detailing new data estimates indicate that 86% of Puerto Rico households have broadband available at basic connection speeds (768 kbps download/200 kbps upload speeds). The estimate drops significantly when looking at higher connection speeds necessary to support Internet applications that consumers are increasingly demanding, such as video streaming. An estimated 41% of households across the island have broadband available at speeds of 6 Mbps/768 kbps or higher: http://www.connectpr.org/blog/post/connect-puerto-rico-releases-updated-broadband-mapping-data

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) 01-30-2012	