						2. Award Or Grant Number 72-50-M09040			
Performance Progress Report						4. Report Date (MM/DD/YYYY) 10/29/2010			
Recipient Name     Puerto Rico Govern	nor's Office						6. Designate	ed Entity	On Behalf Of:
3. Street Address PO BOX 9020082							8. Final Report?  9. Report Freque  Quarterly		9. Report Frequency  Quarterly
5. City, State, Zip Co San Juan, Puerto F		0082					Semi Ai		Semi Annual Annual Final
7. Project / Grant P Start Date: (MM/ 12/20/2009		7a. End D	Date: (MM/DD/YYYY) /2014	1	porting Period End Date	e:	9a. If Other,	please	$\cup$
10. Broadband 10a. Provider Table		<u> </u> 		<u> </u>					
Number of Providers Identified	Number of Providers Co	ontacted	Number of Agreemer Reached for Data Sh 11		Number of Partial Data Sets Received	Numbe Comple 9	er of ete Data Sets	Numb Data S	er of Sets Verified
17									
10g. Have you initiated verification activities?									

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

BroadbandStat was launched publicly during this quarter on the Connect Puerto Rico website and received a total of 162 visits between September 17, 2010 and September 30, 2010.

During this quarter, the Connect Puerto Rico project has received a total of 9 broadband inquiries.

As of the date of this report several key milestones and indicators are worthy of mentioning in order for NTIA to have a better understanding of the provider landscape on the island of Puerto Rico.

Puerto Rico has an estimated internet access penetration of less than 40% and a low degree of personal computer and technology literacy, when compared to other jurisdictions in the United States. There is a relatively low degree of competition among internet service providers and constructing new infrastructure is costly due to Puerto Rico's mountainous topography and costs of shipping. The Connect Puerto Rico staff has identified 17 broadband providers (offering speeds of at least 768 kbps x 200 kbps) with just under 50% of those companies voluntarily contributing data for the augmentation of State Broadband Data & Development Grant program. The Connect Puerto Rico staff has met with 6 of the 8 contributing providers and on September 17, 2010 launched a fully interactive map (BroadbandStat) in front of the island's broadband providers, government officials, representative from Community Anchor Institutions, and consumers at large.

Forty-three field validation studies have occurred on those 6 providers which accounts for a 35.29% completion rate. Tests included (i) mobile broadband and 3G services in Carolina, Ponce, Salinas, Villalba, San Juan, Salinas, and Arecibo; (ii) backhaul services in San Juan and Fajardo; (iii) DSL services in Carolina, Ponce, Salinas, Villalba, Cespedes, Barceloneta; and (iv) cable modem services in Barceloneta, Arecibo and Fajardo.

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?

4.78

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 pro-	oject?				
4.78					
10n. Staffing Table					
Job Title	FTE %	Date of Hire			
Associate Counsel	3.00	04/10/2010			
Business Programmer Analyst	4.00	04/10/2010			
CAI Data Analyst	4.00	04/10/2010			
CAI Data Manager	7.00	04/10/2010			
ETS Analyst	1.00	04/10/2010			
ETS Manager	5.00	04/10/2010			
ETS Sr. Analyst	24.00	04/10/2010			
General Counsel	3.00	04/10/2010			
GIS Analyst	1.00	04/10/2010			
GIS Intern	14.00	04/10/2010			
GIS Services Manager	9.00	04/10/2010			
Outreach & Awareness Manager	7.00	04/10/2010			
Outreach & Awareness Specialist	29.00	04/10/2010			
Project Coordinator	3.00	04/10/2010			
Project Management Director	2.00	04/10/2010			
Project Manager	42.00	04/10/2010			
Provider Relations Manager	7.00	04/10/2010			
Provider Relations Specialist	8.00	04/10/2010			
Research & GIS Analyst	8.00	04/10/2010			
Research Analyst	100.00	04/10/2010			
Research Analyst	100.00	04/10/2010			
Research Analyst	22.00	04/10/2010			
Research Manager	12.00	04/10/2010			
State Services Manager	8.00	04/10/2010			
State Services Specialist	1.00	04/10/2010			
State Services Sr. Specialist	54.00	04/10/2010			
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
	Mapping and planning activities	Υ	Υ	04/10/2010	12/14/2014	1,180,691	0

Add Row Remove Row

# **Funding**

10p. How much Federal funding has been expended as of the end of the last quarter? \$469,994

10q. How much Remains?

\$2,063,684

10r. How much matching funds have been expended as of the end of last quarter?

\$116,097

10s. How much Remains?

\$524,131

10t. Budget Worksheet

Tot. Budget worksneet						
Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
Personal Salaries	\$244,030	\$97,850	\$341,880	\$13,398	\$4,763	\$18,161
Personnel Fringe Benefits	\$0	\$20,000	\$20,000	\$0	\$1,334	\$1,334
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	\$2,278,668	\$0	\$2,278,668	\$456,596	\$0	\$456,596
Subcontract #1	\$2,278,668	\$0	\$2,278,668	\$456,596	\$0	\$456,596
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	\$10,980	\$467,378	\$478,358	\$0	\$110,000	\$110,000
Total Direct Costs	\$2,533,678	\$640,228	\$3,173,906	\$469,994	\$116,097	\$586,091
Total Indirect Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs	\$2,533,678	\$640,228	\$3,173,906	\$469,994	\$116,097	\$586,091
% Of Total	80	20	100	80	20	100

Hardware / Software						
10u. Has the project team purchased the software / hardware	described in	the application?	<ul><li>Yes</li></ul>	○No		
10v. If yes, please list Hardware/software purchases for the project to date incl SOFTWARE		lowing: OST				
Broadband Stat	\$ 69,0					
ESRI ArchInfo/ArcGIS Software and Maintenance     Carporates		15.51				
<ul><li>Computers</li><li>Ookla Net Metrics Speed Test Software</li></ul>		62.00 886.00				
Conta Not mounce opeca 100t Continue	Ψ 2,0					
10w. Please note any software / hardware that has yet to be p	urchased an	d explain why it h	nas not been	purchased		
Remaining purchases may include SQL server for mapp security application, additional backup replication solution ESRI ArchInfo/ArcGIS maintenance, and speed test upon	on, compute	ers, a spectrum	analyzer,	GPS units, Br	oadbandStat maintenand	ce,
10x. Has the project team purchased or used any data sets?	Yes •					
10y. If yes, please list						
N/A						
10z. Are there any additional project milestones or information	that has not	been included?	Yes (	No		
* The Office of the Governor was awarded \$1,108,957 be Program to extend broadband data collection activities for Maintained and updated the budget/finance cost mode is Revised the project schedule and work breakdown struing Updated the Connect Puerto Rico website to include a is Continued to process speed tests, technology assessing Updated the project communications plan and outreac is Produced and distributed monthly status reports, data team is Distributed outreach letters and emails, in English and Rico's Office of Chief Information Officer (OICO) is Continued to identify and collect data from Community is Distributed and executed NDAs with the broadband professor Continued to solicit broadband coverage datasets from its Distributed broadband coverage datasets to the GIS in Conducted field validation tests of broadband provider is Conducted the Puerto Rico BroadbandStat application is Conducted demonstrations of the Puerto Rico Broadbard in Completed the analysis of raw data from the Puerto Rico is Completed and delivered the results of the Puerto Rico is Conducted a business broadband survey and initiated initiated in Conducted a business broadband survey and initiated	for an addition of an addition of an addition of a content of the strategy collection of a content of an addition of a content of a con	ional three year ect Puerto Rico S) with the revisand Spanish ver broadband inquactivity log and vertications within munity are community and for processind around several layers and belease and webiblication tial broadband survises Puero P	es and to id sed SBDD resion uiries from website sta nchor Instit the Comm ag al Puerto R proadband proadb	entify and impositimeline the Connect Footistics to the Cotutions with the conwealth of Footistics communican	Puerto Rico website  Connect Puerto Rico projue assistance of Puerto  Puerto Rico	jec:
10bb. Please describe any challenge or obstacle that you have	encountere	ed and detail the r	mitigation str	ategies the pro	pject team is employing	
Time continues to be of the essence. We continue to as deadline.	ssign resou	rces to the exte	ent practica	I in order to m	neet the predetermined	
10cc. Please provide any other information that you think woul	ld be useful t	to NTIA as it asse	esses your B	roadband Map	ping Project	
No additional information to report at this time.						
11. Broadband Planning						
11a. Please describe progress made against all goals, objective description of each major activity / milestone that you plan				ed Project Plar	n. Be sure to include a	

On behalf of the government of Puerto Rico (PR), Connected Nation (CN) is working with subcontractors to collect and analyze demand-side data through statistical telephone surveys. The surveys collect data on broadband and computer use and barriers to

use among residents by demographic and businesses by size and industry sector. CN provided residential survey results to Puerto Rico in Q3, 2010. In addition, CN designed the 2010 PR business survey, which was conducted by Estudios Tecnicos in Q3, 2010. Analysis of this data commenced in Q3, 2010, with results to be released in Q4, 2010. Updates to the residential and business surveys are scheduled to occur in Q1, 2011 and Q3, 2011, respectively.
This data was analyzed along with supply-side broadband data gathered through the PR SBDD mapping grant. The primary tool for this ongoing analysis is BroadbandStat, an interactive, web-based GIS application that offers location-based consumer feedback on the accuracy of the map, as well as an interactive tool for data analysis, planning, and decision-making.
Connect Puerto Rico delivered a Technical Memorandum to the Puerto Rico Office of the CIO on September 24. The technical memorandum, titled The Broadband Adoption Gap in Puerto Rico: Scope of the Challenge and Strategies to Address It, analyzes the residential survey data collected in Puerto Rico and suggests a series of strategies to address the adoption gap. In line with the Project Plan, Connect Puerto Rico will continue to work with the Office of the CIO to build upon these analyses and recommendations towards a Broadband Strategic Plan for Puerto Rico by end 2011.
11b. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing Due to the absence of other providers of the same technology type with which a provider's specific service area can be aggregated, the display of broadband availability by certain technology types will ultimately isolate a single provider's coverage area by census block. This compounds the heightened sensitivity toward confidentiality on the island. The mitigation strategy has been to preview applicable map displays with affected providers for final approval prior to public release.
<ul><li>11c. Does the Project Team anticipate any changes to the project plan for Broadband Planning? Yes No</li><li>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</li></ul>
N/A

### **Funding**

11e. How much Federal funding has been expended as of the end of the last quarter? \$0

11f. How much Remains?

11g. How much matching funds have been expended as of the end of last quarter?

\$0

11h. How much Remains?

\$0

\$0

11i. Planning Worksheet

Planning Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
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?

No additional information to report at this time.

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

The contractor Connected Nation has been relying heavily on Puerto Rico's recommendations to ensure that the work, as well as the work of the subcontractors, exceeds expectations. During Q3, 2010, there were no significant obstacles during the planning process.

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

No additional information to report at this time.

Certification: I certify to the best of my knowledge and belief that this report is correct an set forth in the award documents.		
12a. Typed or Printed Name and Title of Authorized Certifying Official	12c.	Telephone (area code, number, and extension)
	12d.	Email Address
12b. Signature of Authorized Certifying Official	12e.	Date Report Submitted (Month, Day, Year)
		Performance Progress Report OMB Approval Number: 0660-0034 Expiration Date: 08/31/2010