

U.S. DEPARTMENT OF COMMERCE

Performance Progress Report

2. Award Or Grant Number

78-50-M09055

4. Report Date (MM/DD/YYYY)

07-23-2012

1. Recipient Name

Virgin Islands Public Finance Authority

6. Designated Entity On Behalf Of:

N/A

3. Street Address

32-33 Kongens Gade,

8. Final Report?

Yes

No

9. Report Frequency

Quarterly

Semi Annual

Annual

Final

5. City, State, Zip Code

St. Thomas, VI 00802-0000

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

01-01-2010

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

12-31-2014

7b. Reporting Period End Date:

06-30-2012

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

N/A

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

Effective June 8, 2012, the Virgin Islands Public Finance Authority (VIPFA)/viNGN, Inc. d/b/a Virgin Islands Next Generation Network engaged a new contractor/vendor, BroadMap, LLC, to support its efforts to continue to submit provider data and to implement related activities, as outlined in its Supplemental Application. Given the change in vendor, focus is being placed on signing new nondisclosure agreements with providers; through BroadMap, LLC's data collection and analytic tools, collecting, verifying and mapping data from providers and Community Anchor Institutions (CAIs) that worked with VIPFA/viNGN's former project team and the vendor for the first phase of mapping activities, Stratum Broadband, LLC; and building relationships with providers who were reluctant to share data in the past, all in preparation for the October 1, 2012 data submission.

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

The following verification activities are planned for deployment during subsequent quarters:

** Middle Mile and Last Mile Location Verification/Inspection: VIPFA/viNGN, in collaboration with BroadMap, is developing a verification plan for middle mile and last mile locations; - Due Date: 12/31/2012; and

** Third Party Data Analysis: VIPFA/viNGN, through BroadMap, expects to use third party data analysis to verify provider data and will assess the feasibility and value of available sources for verification; - Due Date: 09/30/2012.

10g. Have you initiated verification activities? Yes No

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

The following validation and verification activities have been completed:

Validation:

** Provider Portal: VIPFA/viNGN and BroadMap, LLC deployed a secure web application to the providers, which allows them to update coverage footprints and/or validate the data that was previously collected and mapped at a granular level.

Verification:

** Submission Comparison: For the last data submission that was made, all data was compared against the previous submission to ensure that all differences were those that were expected and that no data regression was identified. This information was verified.

**Crowd Sourcing: The public interactive map was released, providing the capability of collecting additional speed test results, as well as collecting direct feedback from the public. This information will be cross-referenced with the providers' coverage footprints and attribution, and discrepancies and/or questions will be presented to the provider to ensure that their coverage and speed data is represented correctly.

**Community Anchor Institution (CAI) Portal: A web application has been deployed to enhance and maintain the CAI data inventory, verify their broadband availability, and run speed tests. The information that is collected from and through the CAIs will be used to further verify the provider coverage areas and speeds.

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

As outlined in section 10f above, the additional verification activities planned for implementation are listed below, along with the planned completion dates:

** 3rd Party Data Analysis: VIPFA/viNGN, through BroadMap, expects to use third party data analysis to verify provider data and will assess the feasibility and value of available sources for verification; - Due Date: 09/30/2012.

** Middle Mile and Last Mile Location Inspection: VIPFA/viNGN, in collaboration with BroadMap, is finalizing a verification plan for middle mile and last mile locations; - Due Date: 12/31/2012.

Staffing

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

0.63

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?

1 FTE retained; Also, VIPFA and viNGN have and will continue to allocate additional project management, oversight and operational resources to the project, which will not be funded under the Federal grant.

10n. Staffing Table

Job Title	FTE %	Date of Hire
Quality Control (QC) Specialist	1	03/22/2010
Data Sourcing Manager	6	11/30/2009
Virgin Islands (VI) Program Management and Quality	13	08/10/2009
GIS Analyst	3	08/31/2009
Database and Requirements Engineer	1	08/10/2009
Program Manager	14	10/19/2009
Sr. GIS Analyst	4	10/13/2009
Database and Requirements Engineer, Senior Web Designer	19	08/10/2009
Vice President of Finance and Administration	2	10/05/2009

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
Stratum Broadband, LLC	Initial Mapping, Provider Data Gathering, Data Verification and Planning Support	N	Y	07/28/2009	01/04/2012	1,294,854	0
BroadMap, LLC and Other Professional Services Sub-Contractors	Supplemental Mapping, Provider Data Gathering, CAI Data Gathering, Data Verification, Legal and/or Advisory Services	Y	Y	07/28/2009	12/31/2014	1,553,880	0

Add Row

Remove Row

Funding

10p. How much Federal funding has been expended as of the end of the last quarter? \$1,406,683 10q. How much Remains? \$1,602,823

10r. How much matching funds have been expended as of the end of last quarter? \$288,148 10s. How much Remains? \$530,566

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	\$0	\$0	\$0	\$0	\$0
Personnel Fringe Benefits	\$0	\$0	\$0	\$0	\$0	\$0
Travel	\$75,355	\$0	\$75,355	\$0	\$0	\$0
Equipment	\$85,417	\$695,000	\$780,417	\$45,934	\$0	\$45,934
Materials / Supplies	\$0	\$0	\$0	\$0	\$0	\$0
Subcontracts Total	\$2,848,734	\$0	\$2,848,734	\$1,360,749	\$0	\$1,360,749
Subcontract #1	\$1,294,854	\$0	\$1,294,854	\$1,294,854	\$0	\$1,294,854
Subcontract #2	\$1,553,880	\$0	\$1,553,880	\$65,895	\$0	\$65,895
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	\$123,714	\$123,714	\$0	\$288,148	\$288,148
Total Direct Costs	\$3,009,506	\$818,714	\$3,828,220	\$1,406,683	\$288,148	\$1,694,831
Total Indirect Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs	\$3,009,506	\$818,714	\$3,828,220	\$1,406,683	\$288,148	\$1,694,831
% Of Total	79	21	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

Under the contract with BroadMap, LLC, the hardware and software that have been purchased to continue implementing the project with the Supplemental Award are the following:

Hardware:

** Webserver Hosting Services: To support the public facing website, the Provider Portal, and the CAI Portal - Cost: \$7,008

Software:

** Ookla Speed Test software: Speed testing software to embed into the public facing website - Cost \$3,000

For the initial phase of the project, VIPFA, through Stratum Broadband, LLC, purchased equipment and software to perform the Phase I Broadband Planning and Mapping tasks, as outlined below:

** Equipment: HP Z400 workstation with MS Windows OS and ESET NOD 32 AntiVirus

** Application Software: ESRI ArcEditor and ESRI ArcGIS Data Interoperability Single Use License

Under the contract with Stratum Broadband, LLC for the initial phase of the project, Stratum also provided equipment for hosting the State's/Territory's website display, as outlined below:

** Equipment: HP DL 180 GS Server with RedHat Linux OS and Apache Server

** Application Software: contractor-developed software

During Quarter 1, CY 2011, VIPFA/viNGN purchased the following hardware and software to bring the development and production environments for data mapping in-house:

Software:

** ESRI ArcInfo: \$11,382.00

** ESRI ArcGIS Data Interoperability Single Use License: \$ 2,032.00

** 2 ESRI ArcGis Server License Development: \$ 32,520.00

These products are directly attributable to performing work on the project and providing a testing and staging area for data before making it available to the National Telecommunication and Information Administration (NTIA) and the public.

10w. Please note any software / hardware that has yet to be purchased and explain why it has not been purchased

A list of hardware, software and data planned for acquisition and the anticipated timelines for the purchases is included below. The anticipated purchases and the anticipated timelines for the purchases are based on the draft revised Detailed Project Plan which is undergoing further refinement prior to being submitted to NTIA during Quarter 3, CY 2012. The cost of all hardware and software will be provided in subsequent reports.

Hardware:

** Probe Measurement Devices for Android Phones: For testing wireless broadband

Timeline: September/October 2012

** Qmapper Application Automated Bandwidth: Hardware/software that is utilized in conjunction with field analysis and reporting

Timeline: August/September 2012

** Mobile Phones and related Phone Plans for Wireless Services: For the collection of data, the verification of coverage and the testing of speeds

Timeline: September/October 2012

** Early Termination Fee: In order to save money, the above-mentioned data plans contracts will be canceled after verification tests are completed.

Timeline: October/November 2012

** Esri Laptop with ArcInfo License: To perform ArcGIS tasks

Timeline: To-be-determined

Software:

** ArcGIS Server GIS Software: For the deployment of web-based GIS mapping for the public facing website, the Provider Portal, and the CAI portal)

Timeline: September/October 2012

** ArcGIS ArcView License GIS: Software needed for data manipulation and processing

Timeline: August/September 2012

** EDX Signal Propagation Software: For use in verification and mapping of wireless coverage

Timeline: August/September 2012

Data:

** MapConnect Enterprise: For displaying and geocoding data used as the basemap for the public facing website, the Provider Portal, and the CAI Portal

Timeline: August/September 2012

10x. Has the project team purchased or used any data sets? Yes No

10y. If yes, please list

The Google Earth and CAD data provided as In-Kind contributions from the U.S. Virgin Islands Water and Power Authority (WAPA) have all been received and used extensively during the identification and location of Community Anchor Institutions (CAIs)/anchor tenants, towers, and other points of interest. Avensa MAPdataUSA was purchased at the beginning of the project as an aid in broadband planning.

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

10aa. If yes, please list

Activities under the following sub-projects are being planned, and the timelines for the final completion of these activities are as follow:

** Smart Grid Planning and Testing: 12/31/2014

** Public Safety LTE Broadband Capacity Planning and Support: 12/31/2014

** Street Address Normalization: 12/31/2014

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

While some local providers have provided data, the team has had some difficulty in obtaining bandwidth and speed data from other local providers. To mitigate this obstacle, viNGN and BroadMap are conducting one-on-one meetings and conference calls with providers to emphasize the importance of receiving and mapping their data to economic and community development, to assure providers of the confidentiality of their source data and to encourage them to support the national broadband mapping initiative.

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

N/A

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

viNGN and BroadMap have made significant progress by meeting with some of the local ISPs (including Innovative, Choice, and SmartNet) one-on-one to emphasize the importance of receiving and mapping their data to economic and community development, to assure providers of the confidentiality of their source data and to encourage them to provide detailed and timely bandwidth, speed data and other information for the national broadband mapping initiative through the viNGN/BroadMap Provider Portal.

The VIPFA/viNGN/BroadMap team has also met with partners who are responsible for the various sub-projects, including the U.S. Virgin Islands Water and Power Authority (WAPA) with regards to assisting with planning and testing under its Smartgrid project and the U.S. Virgin Islands Office of the Lieutenant Governor with regards to assisting with its Street Address Normalization project.

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

N/A

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

Changes to the project plan are primarily related to the need to reschedule activities, given the National Telecommunication and Information Administration's recent approval of the new contractor/vendor that will support the implementation of activities under the

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

Vicki Johnson

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

3407141635

12d. Email Address

vjohnson@usvipfa.com

12b. Signature of Authorized Certifying Official

Submitted Electronically

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

08-27-2012