

U.S. DEPARTMENT OF COMMERCE

Performance Progress Report

2. Award Or Grant Number

78-50-M09055

4. Report Date (MM/DD/YYYY)

07-30-2011

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:

06-30-2011

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

Wire line carrier data is from direct interviews in 2009. One wireless carrier provided data by direct interview in 2009. The other wireless providers have been exchanging data when requested by written response since the project commenced in 2009.

Incumbent wire line provider initially offered broadband capacity available at remote switch locations but no middle mile information. They have since been unresponsive to refresh requests. New discussions with provider promise better cooperation going forward.

All wireless carriers provided transmitter locations as well as service level data by location. One provider offered an RF coverage map. Now the largest wireless provider is objecting to repetitive (semi-annual) queries. Argues FCC reporting is sufficient. Data set refresh request remains on hold while local management seeks approval of parent corporation before committing to share more data.

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

Data from anchor tenants comes from analysis of data received from the IT organizations of the respective sectors, an iterative process. GPS readings were taken during on-site verifications. Governor John P. deJongh has initiated meetings with Anchor Tenants during which written surveys were made available. The CAI survey is also being made available on-line at www.usvibi.com and on www.vingn.com.

As reported previously, the DSL coverage was plotted using a 12,000 radius of effectiveness from each remote switch facility location reported by the incumbent wire line carrier as opposed to using a direct measurement of individual loops for propagation quality. The extrapolation of tower heights will be calculated trigonometrically, as opposed to through direct measurement.

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

Direct inspection was used to establish Community Anchor Tenant (CAI) GIS location data. The Governor has since initiated CAI meetings at which printed surveys have been distributed to collect broadband service data. These surveys have also been made available on-line at www.usvibi.com and at www.vingn.com.

User initiated speed tests will be offered in conjunction with on-line end user surveys launched with the State Broadband Map. Test results will be keyed to user location (census tract or estate boundary precision) when a user locates a specific position with a mouse click on State Broadband Map.

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Broadband Map.

Automated Performance Testing will be conducted on a 24x7 basis with a 200 user sample size to establish "busy hours" and assess actual vs advertised performance.

10g. Have you initiated verification activities? Yes No

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

The direct inspection of the anchor tenants is complete. Note that anchor tenant locations are subject to change overtime and will be modified accordingly with each succeeding reporting period.

The Governor has also initiated direct meetings with Community Anchor Tenants. Printed surveys are distributed at the meetings and an on-line version has been launched at www.usvibi.com and www.vingn.com.

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

The performance probe testing will be launched next quarter. Plans include installation of performance monitoring system in the fourth quarter of 2011, with initial deployment of probe software agents on up to 200 volunteer end user systems. Initial candidates will be selected from the base of the Territory's government employees. The on-line end-user survey will also be used to solicit participation by volunteers from the private sector. Selection of a volunteer test population will be managed to assure geographic dispersion over the Territory. The performance probe measurement system will run continuously for the duration of the project. The test candidate population will change as necessary to ensure a broad and representative sample.

Staffing

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

Phase I - 3.25. This number will significantly decline in the upcoming quarter as the second phase kicks off and a new vendor is in start up phase.

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?

N/A

10n. Staffing Table

Job Title	FTE %	Date of Hire
Project Manager	100	10/01/2010
GIS Team Leader/Analyst	100	10/01/2010
GIS Program/System Administrator	100	10/01/2010
GIS Program/System Administrator	25	10/01/2010

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	Initial Mapping and Planning Support	N	Y	07/28/2009	01/04/2012	1,294,854	288,144

Funding

10p. How much Federal funding has been expended as of the end of the last quarter? \$1,294,854 10q. How much Remains? \$1,714,652

10r. How much matching funds have been expended as of the end of last quarter? \$288,144 10s. How much Remains? \$530,570

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	\$0	\$0	\$0
Materials / Supplies	\$0	\$0	\$0	\$0	\$0	\$0
Subcontracts Total	\$2,848,734	\$0	\$2,848,734	\$1,294,854	\$0	\$1,294,854
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	\$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	\$123,714	\$123,714	\$0	\$288,144	\$288,144
Total Direct Costs	\$3,009,506	\$818,714	\$3,828,220	\$1,294,854	\$288,144	\$1,582,998
Total Indirect Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs	\$3,009,506	\$818,714	\$3,828,220	\$1,294,854	\$288,144	\$1,582,998
% Of Total	79	21	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

The contractor has purchased equipment and software to perform the Phase I Broadband Planning and Mapping as needed to produce its deliverables. During a prior quarter, 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 test and staging area for data before making it available to the NTIA and the public.

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

Due to the impending start of work by the new SBI vendor, considerations for the purchase of probe and verification tools have been suspended.

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

10y. If yes, please list

The CAD data provided as In-Kind contributions from WAPA have all been received and used extensively during the identification and location of 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

We completed applying an estate boundary layer to the Territory broadband map using data provided by USVI Office of the Lieutenant Governor. This estate boundary layer is intended to improve user recognition of locations on map searches. The new maps have been published on the www.usvibi.com web site and linked to the viNGN website www.vingn.com.

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

Providers remain very protective of user and physical plant information and continue to cite concern over trade secrets being vulnerable and unprotected. Continuous communication and relationship building with Innovative Communications has resulted in their execution of a Non Disclosure Agreement (NDA) directly with viNGN. This will greatly enhance the team's ability to locally manage the company's data and update information as it becomes available.

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

The program continues to receive updated information and the relationship between the program and local providers is remarkably improved. Support provided by NTIA including the exchange of information through PB Workspace is providing measurable value to the local program in terms of standards, sharing with other state programs and suggestions for outreach to national providers serving the Territory. As the authority on these efforts, NTIA can provide grantees tremendous benefit by reaching out to providers to describe the BTOP program's intent and explain how critical the partnership with providers is to everyone's success and growth. Based on our observation, much of the interaction has been between NTIA and grantees without overarching, formal outreach to the providers by NTIA.

The NTIA performed a site visit during the month of June to review progress and program financials as requested prior. As part of the process, NTIA representatives sought clarification and review of invoices presented before the visit; they also reviewed the proposed project plan and viNGN's contemplation to change the Phase I vendor. The team discussed the submission of the RFP, scope of work, and vendor qualifications submitted to NTIA as a special award condition of approving a contract to the new SBDD contractor.

The project team eagerly anticipates NTIA's formal provision of any items or clarifications needed to move the program forward and continue the project plan's data collection and other program activities.

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 primary goal of the Broadband Planning activity was to establish the process for deploying a comprehensive broadband middle mile network for the USVI. BTOP awarded funds supported this launch in the region. The newly established viNGN public-private partnership will oversee the deployment and operation of that wholesale middle mile network. The key stakeholders in this partnership represented all the anchor tenants and key stakeholders. The USVI Broadband Coalition is the name of the group.

Specific planning projects identified in the planning project as part of SBDD Phase II are:

1. Smart Grid Support Analysis in Coordination with the VI Water and Power Authority;
2. Assessment of the use of broadband technology by the Public Safety sector of the government;
3. Street addressing normalization in coordination with the Office of the Lieutenant Governor.

Preliminary meetings have been convened with the Office of the Lieutenant Governor while a vendor to provide consulting services for Phase II of the program is under consideration and approval by the Program Officer.

Once the new vendor is in place, the program is expected to achieve the milestones proposed and work will be accomplished per award specifications.

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

There have been few challenges or obstacles encountered other than that listed directly above. The direct support for the Offices of the Governor and Lieutenant Governor along with continuous program management and oversight have produced all the inputs needed for the timelines required.

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

The SBDD Planning process was extremely beneficial with respect to preparing the plans for all the information needed for a balanced Comprehensive Community Infrastructure proposal. The activities and the deliverables have assisted in structuring work in the public sector that is difficult to achieve without such a process. In retrospect, the results from the efforts go much further than just the direct goals of the program. The planning and mapping activities are going to be continued as ongoing quality measurements for the viNGN network well beyond the term of the ARRA SBDD program.

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

Vicky Johnson

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

12d. Email Address

vjohnson@usvipfa.com

12b. Signature of Authorized Certifying Official

Submitted Electronically

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

12-29-2011