

U.S. DEPARTMENT OF COMMERCE

Performance Progress Report

2. Award Or Grant Number

21-50-M09061

4. Report Date (MM/DD/YYYY)

04-18-2011

1. Recipient Name

Commonwealth of Kentucky

6. Designated Entity On Behalf Of:

Commonwealth of Kentucky

3. Street Address

700 Capitol Avenue,

8. Final Report?

Yes

No

9. Report Frequency

Quarterly

Semi Annual

Annual

Final

5. City, State, Zip Code

Frankfort, KY 40601-3410

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:

03-31-2011

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

Our contractor, Michael Baker Inc., has provided information on the status and challenges experienced with each of the providers. For more details, please refer to the Q1 Supplemental Answers Document.

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

Our contractor, Michael Baker Inc., has provided additional verification data sets, along with the progress and activities in collecting the data. For more details, please refer to the Q1 Supplemental Answers Document.

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

Confidence Level Reporting: Development of a System for Evaluation and Assessment Statistics (SEAS) was completed. Identified areas of discrepancy are flagged for reporting the confidence level of the data per provider at census block and road segment level. These unit confidence levels are then input into a statistical model to develop confidence levels for each of the broadband service providers. This automated statistical reporting process was implemented for the April 1, 2011 data submittal and the results will be deployed to the State Broadband mapping Website.

Audit of Wireless Broadband Availability Reporting: Wireless coverage is evaluated using a contour calculation tool, with key inputs being transmitter location and, where available, data on spectrum power levels and other relevant transmission factors provided by carriers and/or supplemented by data available from public web sites and other sources. Data will then be input to a contour calculation tool to provide estimates of fixed wireless broadband coverage areas. This dataset is used as a source to determine gaps in provider wireless service area coverage. The Prior Mapping data is also used as a validation source for gap analysis. Due to a lack of provider tower and antenna data, deployment of this audit of Wireless Broadband Availability is planned before the October 1, 2011 delivery to the NTIA. New avenues for acquiring the needed tower and antenna information are being explored from State Wireless Associations and Area Development Districts.

Our contractor, Michael Baker Inc., submitted a white paper describing the DATA DEVELOPMENT & VALIDATION METHODOLOGIES with the 3/31/2011 data submission to the NTIA.

10g. Have you initiated verification activities? Yes No

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

For more details, please refer to the Q1 Supplemental Answers Document.

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

Evaluation of reported fixed wireless coverage utilizing contour calculation tools, as described in 10f above, will also be implemented. Deployment of these verification activities is planned for the October 2011 NTIA submittal.

Staffing

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

4.47

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

We believe that full staffing was achieved during the 3rd Quarter 2010. At this time, university team validators have maximized their staff and will be concluding their involvement. Temporary staff hired by our mapping contractor, Michael Baker Inc., is no longer being utilized.

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

7.54

10n. Staffing Table

Job Title	FTE %	Date of Hire
Administrative Assistant	2	02/01/2010
CADD Technician	2	02/01/2010
Civil Engineer	86	02/01/2010
GIS Associate	53	02/01/2010
GIS Specialist	33	02/01/2010
GIS Technician	1	02/01/2010
Senior Software Developer	11	02/01/2010
Technical Manager	27	02/01/2010
Project Manager (Validation)	22	06/15/2010
Urban Studies Institute Household Survey Analyst (Validation)	16	06/15/2010
Urban Studies Institute Administrative Assistant (Validation)	3	06/15/2010
Urban Studies Institute Data Collection Methods Analyst (Validation)	4	06/15/2010
Center for Geographic Information Sciences Analyst (Validation)	18	06/15/2010
University Faculty 1 (Validation)	8	06/15/2010
University Faculty 2 (Validation)	30	06/15/2010

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
Michael Baker, Jr., Inc.	Data Collection/ Validation Services	Y	Y	02/01/2010	12/31/2014	3,674,747	0

Murray State University	Validation Services	N	Y	06/15/2010	06/30/2011	399,762	0
Kentucky Area Development Districts	Develop/Manage Regional Planning groups	N	N	07/01/2011	12/31/2014	450,000	0
Council on Post Secondary Education	Develop/Manage Regional Planning groups; Survey	N	N	07/01/2011	12/31/2014	150,000	0

Add Row

Remove Row

Funding

10p. How much Federal funding has been expended as of the end of the last quarter? \$1,380,838 10q. How much Remains? \$3,921,879

10r. How much matching funds have been expended as of the end of last quarter? \$372,688 10s. How much Remains? \$953,500

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	\$56,943	\$798,048	\$854,991	\$0	\$109,420	\$109,420
Personnel Fringe Benefits	\$19,038	\$96,826	\$115,864	\$0	\$13,756	\$13,756
Travel	\$0	\$6,000	\$6,000	\$0	\$1,334	\$1,334
Equipment	\$0	\$16,956	\$16,956	\$0	\$0	\$0
Materials / Supplies	\$0	\$0	\$0	\$0	\$874	\$874
Subcontracts Total	\$4,674,509	\$0	\$4,674,509	\$1,380,838	\$0	\$1,380,838
Subcontract #1	\$3,674,747	\$0	\$3,674,747	\$981,076	\$0	\$981,076
Subcontract #2	\$399,762	\$0	\$399,762	\$399,762	\$0	\$399,762
Subcontract #3	\$450,000	\$0	\$450,000	\$0	\$0	\$0
Subcontract #4	\$150,000	\$0	\$150,000	\$0	\$0	\$0
Subcontract #5	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$552,227	\$408,358	\$960,585	\$0	\$247,304	\$247,304
Total Direct Costs	\$5,302,717	\$1,326,188	\$6,628,905	\$1,380,838	\$372,688	\$1,753,526
Total Indirect Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs	\$5,302,717	\$1,326,188	\$6,628,905	\$1,380,838	\$372,688	\$1,753,526
% 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

N/A

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

N/A

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

10y. If yes, please list

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

10aa. If yes, please list

N/A

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

As previously reported, the Commonwealth continues to encounter challenges and obstacles with the collection of data from community anchor institutions (CAI). We have identified appropriate stakeholders in the various areas however responses to queries has been sporadic and undependable. We are working closely with our stakeholders and subcontractors to develop other methods and identify resources for obtaining information from our CAIs.

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

While our current project plan has not been approved, we have been expending efforts on non-mapping activities through the quarter. These activities were described in our recent response to the program office as follow up to our SBDD project plan submittal. During this quarter, we have continued with the establishment of the Commonwealth's Office of Broadband Outreach and Development. We have been conducting initial meetings with parties/entities around the Commonwealth that have vested interest in broadband promotion. The focus of these meetings has been the introduction of the broadband office and development of relationships for the future. In addition, we have held meetings with potential project partners to identify solidify future contracts and define scope(s) of work that further the goals identified in our project plan and within available funding. We hope to have our work documents and contract vehicles approved by partners and Commonwealth procurement officials in the next 30-60 days.

In addition, we have been working with our executive leadership and legal counsel to finalize the creation of the Broadband Commission that will help to guide the office in furthering this project. The commission will play an especially integral role in guiding the broadband office in the last stages of technical assistance as we strive to directly assist communities determined to be most in need.

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

Some additional changes to budget flow and activities may be necessary, once we have firm commitments in place with our anticipated partners/vendors, to better reflect quarterly funding needs/

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

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?

N/A

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

N/A

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

N/A

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

Steve Landers

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

12d. Email Address

steve.landerson@ky.gov

12b. Signature of Authorized Certifying Official

Submitted Electronically

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

06-14-2011