

U.S. DEPARTMENT OF COMMERCE

Performance Progress Report

2. Award Or Grant Number

21-50-M09061

4. Report Date (MM/DD/YYYY)

07-18-2011

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:

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

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 Q2 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 Q2 Supplemental Answers Document.

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

Audit of Wireless Broadband Availability Reporting: Wireless coverage will be 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 data set 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 Q2 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?

3.92

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 concluded 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	1	02/01/2010
Civil Engineer	53	02/01/2010
GIS Associate	13	02/01/2010
GIS Specialist	27	02/01/2010
Technical Manager	21	02/01/2010
Project Manager (Validation)	37	06/15/2010
Telecommunications Analyst 1 (Validation)	66	06/15/2010
Telecommunications Analyst 2 (Validation)	48	06/15/2010
University Faculty (Validation)	23	06/15/2010
University Staff 1 (Validation)	2	06/15/2010
University Staff 2 (Validation)	6	06/15/2010
University Staff 3 (Validation)	5	06/15/2010
University Staff 4 (Validation)	2	06/15/2010
University Staff 5 (Validation)	6	06/15/2010
University Staff 6 (Validation)	36	06/15/2010
University Staff 7 (Validation)	11	06/15/2010
University Staff 8 (Validation)	22	06/15/2010
University Staff 9 (Validation)	1	06/15/2010
University Staff 10 (Validation)	12	06/15/2010

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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 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	10/03/2011	12/31/2014	450,000	0
Council on Post Secondary Education	Develop/Manage Regional Planning groups; Survey	N	N	10/03/2011	12/31/2014	150,000	0

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Funding

10p. How much Federal funding has been expended as of the end of the last quarter? \$1,508,653 10q. How much Remains? \$3,794,064

10r. How much matching funds have been expended as of the end of last quarter? \$436,073 10s. How much Remains? \$890,115

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	\$159,575	\$159,575
Personnel Fringe Benefits	\$19,038	\$96,826	\$115,864	\$0	\$24,362	\$24,362
Travel	\$0	\$6,000	\$6,000	\$0	\$1,526	\$1,526
Equipment	\$0	\$16,956	\$16,956	\$0	\$0	\$0
Materials / Supplies	\$0	\$0	\$0	\$0	\$3,299	\$3,299
Subcontracts Total	\$4,674,509	\$0	\$4,674,509	\$1,508,653	\$0	\$1,508,653
Subcontract #1	\$3,674,747	\$0	\$3,674,747	\$1,108,891	\$0	\$1,108,891
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	\$247,311	\$247,311
Total Direct Costs	\$5,302,717	\$1,326,188	\$6,628,905	\$1,508,653	\$436,073	\$1,944,726
Total Indirect Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs	\$5,302,717	\$1,326,188	\$6,628,905	\$1,508,653	\$436,073	\$1,944,726
% Of Total	80	20	100	78	22	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

N/A

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

10aa. If yes, please list

NA

10bb. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing
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 and requests for data have been sporadic and undependable. We have worked with our subcontractors to develop tools to make it as easy as possible for entities to supply us with the requested information. However, we have not found the key to motivating these entities to comply. We are working closely with our stakeholders and subcontractors to develop other methods and identify resources for obtaining information from our CAIs. Kentucky welcomes any collaboration or input from NTIA or other states on the collection of this data.

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

NA

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

During the middle of this quarter, the executive director of our new broadband office resigned to pursue other interests. Needless to say, this created a setback in some of our efforts. Much of the non-mapping activities in the latter half of this quarter focused on administrative activities centered around identifying a new director, bring that person up to speed on the current state of the project, previously developed relationships, etc. Nonetheless, we have been expending efforts through the quarter on developing relationships and finalizing our project partnerships/contracts. These partnerships are key to furthering the goals identified in our project plan. Now that we have re-established the administrative structure of our office and received final approval of our project plan, we fully expect to finalize those contract vehicles and begin executing the core of the project plan within the next 60 days.

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

Due to the factors described in 11a above, it is expected that we will need to shift some of our project milestones. In addition, once we have finalized contract vehicles with all potential subcontractors, we will likely need to make an adjustment to expected expenditures over years 2 and 3

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
Personnel Fringe Benefits	\$0	\$0	\$0
Travel	\$0	\$0	\$0
Equipment	\$0	\$0	\$0
Materials / Supplies	\$0	\$0	\$0
Subcontracts Total	\$0	\$0	\$0
Subcontract #1	\$0	\$0	\$0
Subcontract #2	\$0	\$0	\$0
Subcontract #3	\$0	\$0	\$0
Subcontract #4	\$0	\$0	\$0
Subcontract #5	\$0	\$0	\$0
Construction	\$0	\$0	\$0
Other	\$0	\$0	\$0
Total Direct Costs	\$0	\$0	\$0
Total Indirect Costs	\$0	\$0	\$0
Total Costs	\$0	\$0	\$0
% Of Total	0	0	0

Additional Planning Information

11j. Are there any additional project milestones or information that has not been included?

NA

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

NA

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

NA

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.landern@ky.gov

12b. Signature of Authorized Certifying Official

Submitted Electronically

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

08-15-2011