

**U.S. DEPARTMENT OF COMMERCE**

**Performance Progress Report**

2. Award Or Grant Number

21-50-M09061

4. Report Date (MM/DD/YYYY)

01-20-2012

1. Recipient Name

Commonwealth of Kentucky

6. Designated Entity On Behalf Of:

N/A

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:

12-31-2011

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 Q4 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 Q4 Supplemental Answers Document.

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

Audit of Wireless Broadband Availability Reporting: Fixed Wireless propagation mapping will be developed, 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. This dataset is used as a source to determine gaps in provider submitted wireless service area coverage, as well as a source for providing service areas coverage for non-participating fixed wireless providers. 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 for the April 1, 2012 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 October 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 Q4 Supplemental Answers Document.

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?

2.39

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. Our vendors and sub-recipients will be utilized based on the needs of the project.

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

Does not apply.

10n. Staffing Table

Job Title	FTE %	Date of Hire
Administrative Assistant (BAKER)	1	02/01/2010
Civil Engineer (BAKER)	54	02/01/2010
Designer (BAKER)	1	02/01/2010
GIS Specialist (BAKER)	39	02/01/2010
Technical Consultant (BAKER)	22	02/01/2010
Technical Manager (BAKER)	28	02/01/2010
GIS Associate (BAKER)	38	02/01/2010
GIS Technician (BAKER)	2	02/01/2010
Senior Software Developer (BAKER)	53	02/01/2010
Project Manager/Director (KY ADD)	1	12/08/2011

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
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	Y	12/08/2011	12/31/2014	450,000	0
Council on Post Secondary Education	Develop/Manage Regional Planning groups	N	N	11/01/2011	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? \$1,803,050

10q. How much Remains? \$3,499,667

10r. How much matching funds have been expended as of the end of last quarter? \$568,138 10s. How much Remains? \$758,050

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	\$265,295	\$265,295
Personnel Fringe Benefits	\$19,038	\$96,826	\$115,864	\$0	\$46,769	\$46,769
Travel	\$0	\$6,000	\$6,000	\$0	\$3,514	\$3,514
Equipment	\$0	\$16,956	\$16,956	\$0	\$0	\$0
Materials / Supplies	\$0	\$0	\$0	\$0	\$5,249	\$5,249
Subcontracts Total	\$4,674,509	\$0	\$4,674,509	\$1,803,050	\$0	\$1,803,050
Subcontract #1	\$3,674,747	\$0	\$3,674,747	\$1,403,288	\$0	\$1,403,288
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	\$1,803,050	\$568,138	\$2,371,188
Total Indirect Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs	\$5,302,717	\$1,326,188	\$6,628,905	\$1,803,050	\$568,138	\$2,371,188
% Of Total	80	20	100	76	24	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

No additional data sets have been purchased since the last reporting period for the quarter ending 09/30/2011. The project continues to use the following third party data sets:

SNG Internet Connectivity at Census Block Level: Independently developed data set to be used as a source for verification of wireline provider service areas.

American Roamer Wireless Market Intelligence Data: Commercially available data set used as an independent source to verify

information submitted by Providers of wireless broadband service.

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 and requests for data have been sporadic and undependable. We continue to work 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 will continue to work closely with our stakeholders and subcontractors to develop other methods and identify resources for obtaining information from our CAIs. We continue to focus our efforts on the collection of K-12 public schools, and work with the technology team at the Kentucky Department of Education in helping lead this important effort. We have identified key stakeholders in the Dept. of Education and stressed the mutual benefit of collecting this information, and we hope to get feedback to include in our Spring 2012 data submission.

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

For more details, please refer to the Q4 Supplemental Answers Document.

### 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

For more details, please refer to the Q4 Supplemental Answers Document.

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

We still believe that some milestones may need to be altered, or removed. We have described this in more detail in our supplemental document.

### 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	\$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

11i. Planning Worksheet

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

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

N/A See supplemental document questions for Broadband Planning 11a.

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

Dana Case

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

12d. Email Address

dana.case@ky.gov

12b. Signature of Authorized Certifying Official

Submitted Electronically

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

02-16-2012