

Georgia Broadband Program

Quarter 4, 2012

Accomplishments

With the October data submission to NTIA completed by October 1st, 2012, focus was placed on the creation and analysis of technology maps and broadband statistics. BroadMap also worked to close out any remaining deliverables supporting the amendment projects. Below are some details on the efforts accomplished during the quarter.

Georgia Public Interactive Map

The online public map was updated to represent the changes incorporated within the October 2012 data submission on 10/03/12. All changes and map services were supplied UGA for final hosting of the website.

Analytics for the interactive map for the quarter represent 225 visits, with 161 unique visitors.

Path to deliverable: <https://apps.itos.uga.edu/GA.Broadband/>

Normalized Database

The normalized database was completed on 10/19/2012, as part of the contract amendment, and was presented to a few of the regional commissions beforehand to ensure the model supported the queries or questions they may have regarding the broadband infrastructure in Georgia. This database resolves some of the limitations of the NTIA data model by associating 2012 Census block data with broadband provider data. It's provided in a fileGeodatabase (fGDB) format containing the State Census data with population and housing attribution at the block level, a table containing all broadband provider data at the block level, and associated with a relationship class based on the Census block ID. Users can work directly with the fGDB by doing queries and selections, or consume the table into an Enterprise GDB in order to do more complex queries with other State data maintained at the Census block level.

Path to deliverable: Dropbox\MAP OneEconomy Georgia\2012\Addendum_AddtlProjects\NormalizedDatabase

Provider Vintage Report

A report representing the participation of each provider throughout the past four NTIA data submission was supplied on 10/24/2012. This includes an overall summary showing the last date that data was received, as well as show quickly the non-responsive and non-cooperative providers by highlighting the cells. This can later be used in the outreach process, placing focus on the providers that aren't responsive or haven't supplied changes in awhile. This deliverable is outside of the contracted deliverables and therefore won't be found on the original contract or the amendment.

Path to deliverable: Dropbox\MAP OneEconomy Georgia\2012\Addendum_AddtlProjects\Metrics and Trending

Metrics and Trending

The metrics and trending report supported statistics representing the broadband coverage changes over 3 data submissions, October 2011 through to October 2012. This timeline was chosen as NTIA had significantly changed the data model between the April and October 2011 data submission, moving to the 2010 census blocks.

Some of the statistics and graphs that can be found in this report are related to population served and unserved, speed changes and coverage square mileage by technology. This report was supplied on 10/24/12.

This is a part of the contract amendment and was the replacement for the broadband videos originally requested.

Path to deliverable: Dropbox\MAP OneEconomy Georgia\2012\Addendum_AddtlProjects\Metrics and Trending

Maps and Tabulations

Coverage delta maps were created for each technology to present the changes between the last two data submissions, April 2012 and October 2012. The map deliverable also included visual representation of the highest available speeds for all technologies, by wireline and by wireless individually. The tabulations created to support the data submission supported the regional commission statistics, reflecting the served and unserved populations. Details on the differences between the last two data submission were also supplied to show change in square mileage for each wireline and wireless provider, as well as NTIA data model statistics like the count of Middle Mile infrastructure points. This was completed by 12/28/12.

All maps were also uploaded by Bailey White to the Georgia Broadband flickr account.

Path to deliverable: Dropbox\MAP OneEconomy Georgia\2012\AnalysisMaps_Metrics\2012_October_Maps

Quarterly Data Quality Report

The final quarterly report was provided on 12/28/12 and supplied an overview on the efforts supporting the October data submission. Included in this is the provider participation, changes between the last two data submissions, statistics and charts presenting the changes. This was created to be more for communication of the broadband program for those not involved in the team or the state broadband initiative itself.

Path to deliverable: Dropbox\MAP OneEconomy Georgia\2012\BroadbandReports

Middle Mile Linear Network

We completed the creation of a Middle Mile Linear Network data model, as well as outreaching to providers and gleaned information from web scraping, to build out a more comprehensive network. This effort has gone through a few provider outreaches as initially they were hesitant on supplying their infrastructure, although many supplied it on their public websites. We then collected information from their websites and third party data to build out the layer further. This activity is in maintenance and can now be included in the data submission outreach efforts, collecting data for both the NTIA data submission and for the internal Georgia middle mile data model. The data has also been supplied to UGA and made available as a map services at the below-mentioned path.

Path to deliverable: MAP OneEconomy Georgia\2012\Addendum_AddtlProjects\MiddleMile_FiberNetwork

Map Service: http://maps.itos.uga.edu/ArcGIS/rest/services/BroadBandMap/GA_LinearMidMile/MapServer