Executive Summary of Project for BIP and BTOP:

8. Infrastructure Projects Executive Summary
Question 8 - Executive Summary

Cherokee County, SC Project

Nu Vu Communications, LLC. (Nu Vu), a North Carolina corporation based in Shelby, NC proposes to construct a middle mile and last mile fiber network to pass 100% of the residents, businesses, and public facilities in Cherokee County, SC. Nu Vu will use the network to provide high quality broadband services.

Nu Vu was founded by Michael Agostinelli and commenced business operations in February of 2008. The company was formed as an LLC on December 4, 2008 and became a company of record by the NC Secretary of State in January of 2009. In January of 2009 Nu Vu also was recorded as a foreign LLC in the state of SC.

The Cherokee County project fully supports several BTOP objectives.

- Cherokee County is under served by the definition of the BTOP.
- Provide broadband education, awareness, training, access, and equipment support to schools.
- The network and commercial approach of Nu Vu will stimulate broadband adoption and provide significant job creation.
- Nu Vu will offer services that are higher performing than currently available in the county to public safety organizations.

Nu Vu estimates that the project includes 25,000 housing units and 5,000 business units. Project maps with census blocks and congressional districts identified are provided in the application.

Nu Vu has secured a statewide SC franchise license with Gaffney, SC the first service area identified. Securing this franchise removes significant regulatory risk to the project. Gaffney, the largest city in the county, represents approximately 12,000 locations.
Adding the other cities in the proposed service area should be a formality making construction completion within eighteen (18) months likely, well within the requirements of the BTOP.

Community anchor institutions, public safety entities, and critical community organizations approximate 200 units.

Nu Vu is committed to providing the highest quality, best performing infrastructure to the consumers and business it serves. Nu Vu will deploy fiber to the premise (FTTP) throughout the proposed service area utilizing the latest in gigabit passive optical network (GPON) equipment providing each location passed access to the highest performance last mile broadband available anywhere in the world. Nu Vu selected GPON technology to cost effectively enable the highest broadband performance and quality with exceptional scalability to insure long term network viability. Additionally, Nu Vu will construct 81 miles of middle mile fiber to connect the GPON fiber nodes via a 10 Gbps XFP switch network to high quality backbone Internet facilities. The total construction timeline is eighteen (18) months. Nu Vu expects to achieve 40% subscriber penetration within thirty (30) months to complete the project.

Nu Vu commits to accept non-discrimination and network connection obligations as expressed in the BTOP. The technical feasibility engineering certification of the project is provided in this application. Detail network descriptions and project timelines are provided in the application.

Nu Vu promises to provide high quality services at superior value in the markets it serves. Broadband service levels are planned to be cost effective at significantly improved service levels throughout.
Nu Vu strongly believes cost effective, high quality broadband should be available to all citizens. The 2000 census highlighted that 13 – 15% of the Cherokee County population have income below the poverty line. Nu Vu plans broadband service offering discounts of 40% for those citizens. These service levels will not be compromised, enabling this critical part of the population to realize the same economic and educational benefits all subscribers realize from high quality broadband. Full service descriptions are described in the application.

Nu Vu estimates that Cherokee county is underserved per the NOFA definitions even though its largest city, Gaffney, is not rural and appears served. While there are instances of un-served locations, AT&T and Charter Communications offer DSL and cable modem services respectively, that meet the minimum definition contained in the BTOP. The pricing of these services is very expensive, leading to adoption levels well below the 40% threshold.

Detailed financial projections as required by the BTOP are presented as required in the application. The project budget is $32,453,324.

Nu Vu certifies that all costs are reasonable and eligible as described in the BTOP. The project generates $3.6 million of Revenue in 2010 rising to $24.2 million in 2014. Year 5 profit is $5.9 million insuring continued project sustainability. The project directly creates 36 new employees and a further 27 jobs are either created or saved through vendors and outsourced activities.

Grant matching funds are expected to be provided by [other funding source].

Nu Vu has been seeking project financing since December, 2008. Several major banks passed on the project early in 2009. Efforts to raise venture financing have been unsuccessful. The project will not be funded without Federal Grant Assistance.
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<tr>
<th>Submitted Date:</th>
<th>Easygrants ID: 1417</th>
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<tbody>
<tr>
<td><strong>Funding Opportunity:</strong></td>
<td><strong>Applicant Organization:</strong> Nu Vu Communications, LLC</td>
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<tr>
<td>Broadband Initiatives Program and Broadband Technology Opportunities Program</td>
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<tr>
<td><strong>Task:</strong> Submit Application - Infrastructure Programs</td>
<td><strong>Applicant Name:</strong> Mr. Vergil Michael Agostinelli</td>
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The company has secured extensive private and public support of this application.

- [Redacted information]
- [Redacted information]
- [Redacted information]
- [Redacted information]
- [Redacted information]
- The Mayor of Jackson, Mr. Henry L. Ford, provided a letter of project support.
- [Redacted information]
- [Redacted information]

Nu Vu is confident that this project conforms to the statutory purposes of the BTOP and is worthy of acceptance by the BTOP. The quality of execution will serve as a model example for last mile projects in the smaller communities of the United States.

**Description of BTOP Project Purpose (BTOP Applicants Only Next Three Questions)**

9. **BTOP Statutory Purpose:**

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