

## Broadband USA Applications Database

**Applicant Name:** Big River Broadband, LLC

**Project Title:** Big River High Speed Internet

**Project Type:** Last Mile Non-Remote

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### Executive Summary

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8. Executive Summary of Project for BIP and BTOP 8.a) Opportunity the proposed system seeks to address Provide access to broadband service in eight county underserved areas in the state of Missouri. Big River will provide the service using licensed spectrum that it currently owns to build a wireless network. Big River will provide broadband education, awareness, and training, to schools, libraries, medical and health facilities, and education facilities throughout our proposed serving territory. Big River will provide broadband service to public safety agencies using 4.9 GHz build. Big River will stimulate the demand for broadband services by offering substantially discounted pricing throughout our proposed territory. Big River will help stimulate the economy by creating 127 jobs internally and projects to create an additional 325 jobs in these communities. 8.b) A general description of the proposed funded service areas (location, number of communities, etc.) Big River will serve an area comprised of eight counties in southeast Missouri. The population of the eight counties is 220,740, of which 84% is rural. Only the city of Cape Girardeau which is located in the far southeast corner of the service area is listed as an urban area per the 2000 census, with a population of 35,349. There are 43 census defined communities in the service area with an average population of 2,556 people where these communities account for half of the entire population of the service area. 8.c) Number of households and businesses passed. There are 98,284 households passed in the proposed service area and 5,961 business establishments. 8.d) Number of community anchor institutions, public safety entities, and critical community organizations passed and/or involved with project (e.g., health care, education, libraries, etc.). Big River is working extensively with representatives with most of the sheriffs departments, police departments, fire protection districts, school districts, libraries, hospitals and clinics that operate in the service territory. There are 141 such key anchor institutions in the service territory. 8.e) Proposed services and applications for the proposed funded service areas and users. Big River will be providing high speed Internet access at download speeds up to 14.4 Mbps and upload speeds of 5.8 Mbps. Additionally, Big River will be providing fixed line and mobile voice services. 8.f) Approach to addressing the non-discrimination and interconnection obligations. Big River will operate a non-discriminatory open network by allowing our customers to: 1) to access lawful Internet content of their choice, 2) run applications and use services of their choice, subject to the needs of law enforcement, 3) to connect to their choice of legal devices that do not harm the network and 4) to allow competition among network providers, application and service providers, and content providers. Big River will not favor any lawful Internet application and content over others. Big River has posted our network management policies on our website Big River will offer interconnection to other service providers, where technically feasible as long as it does not exceed reasonable anticipated capacity limitations. 8.g)

Type of broadband system that will be deployed (network type and technology standard). Big River will be deploying a wireless broadband network using AWS licensed spectrum. The AWS frequency used by Big River will be 2.110 to 2.120 Ghz in the downlink and 1.710 to 1.720 in the uplink. Big River will be deploying High Speed Packet Access (HSPA) technology over these licensed frequencies. HSPA is a 3GPP standards based technology deployed globally. This technology supports high speed connectivity to the Internet for data, voice and video applications, for both mobile and fixed locations. 8.h) Qualifications of the applicant that demonstrate the ability to implement and operate a broadband infrastructure, and/or be a sustainable broadband services provider. Big River has a management team with considerable experience in network deployment and management. While at Big River and in prior work experiences, Big River's management has experience deploying fiber, hybrid fiber-coax, wireless and DSL networks. In the past three years, Big River has achieved its significant growth in subscribers as a wholesale voice provider to cable companies across 15 states relying on superb project management, network deployment, financial systems and operational systems management skills. This same skill set applied to a much more compact geographic area will enable Big River to operate and sustain the broadband services incorporated in this request. 8.i) Overall infrastructure cost of the broadband system. \$24.7 million for BIP and \$23.0 for BTOP. 8.j) Overall expected subscriber projections for the project. 25,091 customers by 2013. 8.k) Number of jobs estimated to be created or saved as result of this project. 450 jobs total jobs to be created in for our project area. Internally Big River will hire 127 employees.