

## Broadband USA Applications Database

**Applicant Name:** ZippyTech Incorporated

**Project Title:** ZippyTech Remote Terminals - Carbondale

**Project Type:** Last Mile Remote

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### Executive Summary

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This project seeks to place and interconnect Remote Terminals (RTs) to the copper telephone network for the purpose of providing xDSL service to end-users in "remote rural" areas near Carbondale, Basalt, and Aspen Colorado. ADSL2+ DSLAMs will be placed in the RTs that will provide service to the end-users. DS1 circuits will be leased from Qwest to provide the middle-mile backhaul to the Qwest Central Office (CO). In the CO, voice traffic will be sent to the Public Switched Telephone Network (PSTN) while internet traffic will be sent to an ISP. This system seeks to provide increased broadband availability and adoption in remote rural areas. The proposed funded service areas cover areas outside the established communities of Carbondale, Basalt, and Aspen. The proposed area lies between currently served and underserved areas in an attempt to bring access to those who have no alternatives. The proposed service areas pass 3388 residences, 445 businesses, and 11 community anchor institutions. Applicant is proposing two end-user service offerings: one for standalone broadband, and another that bundles broadband with voice service. Community "anchor institutions" will be given a 25% discount on either plan. Applicant has operated a broadband network since 2001. Applicant has operated xDSL broadband networks utilizing remote terminals since 2003. This project is an extension of applicant's existing network and is built with the knowledge and experience gained from running the existing network. Applicant will address the non-discrimination obligations by not interfering with or prioritizing lawful traffic unless the health of network requires. Applicant will address the interconnection obligations by installing vlan capable switches that allow interconnecting parties to manage their own traffic on their own vlan(s). Interconnection in this fashion will be possible in the Applicant's CO collocation or in the RT. The total cost of the system is \$2,124,460.00. It is expected that 2034 residential customers, 267 businesses, and 7 critical insitutions will subscribe to the service within its first two years and that subscriber numbers will remain consistant over time. It is estimated that 15 jobs will be created or saved as a result of this project.