Executive Summary of Project for BIP and BTOP: a) Opportunity the proposed system seeks to address. Currently, TeraBlue, Inc provides VDSL (100MB Down / 50MB Up), ADSL2 (24MB Down / 3MB Up), and SHDSL (5.7MB symmetric to 88MB symmetric) connections only in the on Central Office in Lexington, Kentucky (LXTNKYXA). We are the only provider in the whole local calling area that provides these services and the only only in the one Central Office. Windstream Communication does provide slower ADSL2 (12MB down and 768KB Up) in some select areas. By building out these select Central Offices TeraBlue, Inc will be able to provide higher speed services to the majority of the customers. b) A general description of the proposed funded service areas (location, number of communities, etc.) There are six service locations that can provide for all of Lexington and Nicholasville, Kentucky. The total number of potential customers that can be provided services is 59,895. c) Number of households and businesses passed. From the locations there are 51,252 residential and 8,643 businesses that can be provided for in this service areas in all of Lexington and Nicholasville, Kentucky. 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). Any anchor institution, public safety entity, and critical community organization in Lexington and Nicholasville can be provided for. e) Proposed services and applications for the proposed funded service areas and users. Internet access at up to 88 Megabit at very competitive rates in Lexington and Nicholasville, Kentucky. f) Approach to addressing the non-discrimination and interconnection obligations TeraBlue, Inc will work towards providing service and interconnection to anyone in the area that can be provided for in an indiscriminate manner. g) Type of broadband system that will be deployed (network type and technology standard). ZyXEL Communications Corporation is a leading supplier of broadband Internet access devices including Digital Subscriber Line Access Multiplexers for VDSL, ADSL2, and SHDSL. All of these technologies are based on copper wires typically used for Plain Old Telephone service and are spectral compatible with ADSL, T1, and regular phone service. h) Qualifications of the applicant that demonstrate the ability to implement and operate a broadband infrastructure, and/or be a sustainable broadband services provider. Founded in 2000, TeraBlue, Inc has been a leading supplier of Internet and ATM switching for customers in Lexington, KY. i) Overall infrastructure cost of the broadband system. Assuming Infrastructure is limited to equipment and not the fiber installation, the equipment costs would be $545,429.00. j) Overall expected subscriber projections for the project. 59,895 are the number of potential customers in the provided areas. TeraBlue, Inc. hopes to provide for a large percentage of these customers. k) Number of jobs estimated to be created or saved as result of this project. Three jobs will be created to install and support these new connections.