



**Broadband Infrastructure Application
Submission to RUS (BIP) and NTIA (BTOP)**

| | | | |
|--|--|--|--|
| Submitted Date: | | Easygrants ID: 1425 | |
| Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program | | Applicant Organization: City of Williamstown | |
| Task: Submit Application - Infrastructure Programs | | Applicant Name: Mr. Douglas Carlton Crumley Beckham | |

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A. General Application Information

| 1. Applicant Information | |
|---|----------------------|
| 1-A. Name, Address, and Federal ID for Applicant | |
| i. Legal Name: | City of Williamstown |
| ii. Employer/Taxpayer Identification Number (EIN/TIN): | 616001931 |
| Street 1: | 400 N. Main Street |
| Street 2: | |
| City: | Williamstown |
| County: | Grant |
| State: | KY |
| Country | United States |
| Zip/Postal Code: | 41097-0126 |

| 1-B. Name and Contact Information of Person to be Contacted on Matters Involving this Application: | |
|--|----------------------|
| Prefix: | Mr. |
| First Name: | Douglas |
| Middle Name: | Carlton Crumley |
| Last Name: | Beckham |
| Suffix: | |
| Telephone Number: | 859-824-6351 |
| Fax Number: | 859-824-6320 |
| Email: | dbeckham@wtownky.org |
| Title: | City Administrator |



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| 1-C. Other Required Identification Numbers | |
|---|---|
| i. Organizational DUNS: | 15633889 |
| ii. CCR # (CAGE): | 5HKJ4 |
| iii. Funding Opportunity Number: | 1 |
| iv. Catalog of Federal Domestic Assistance Number: | BTOP CFDA Number: 11.557 BIP CFDA Number: 10.787 BTOP CFDA Title: Broadband Technology Opportunities Program BIP CFDA Title: Broadband Initiatives Program |

1-D Eligible Entities

Please classify your organization. (Note: If there are multiple organizations involved in the project, designate the lead applicant that would enter into a Loan or Grant agreement with the Agency and assume operational and financial responsibility should an award be made). **Political subdivision of a State, including Local or County Government**

1-E. RUS Borrower Status

No

1-F. Applicant Federal Debt Delinquency Explanation

Is the Applicant Delinquent On Any Federal Debt? **No**
Federal debt delinquency Explanation:

2. Project Description & Project Title

2-A. Project Title: Deployment of Broadband to Corinth, KY & Other Areas in Grant County, KY and Owen County, KY

2-B. Project Description: The City of Williamstown, KY ("Applicant") proposes to deploy high speed broadband services to Corinth, KY and Other Areas in Grant County, KY and Owen County, KY ("proposed service area"). The high speed broadband services will be deployed over a Fiber-To-The-Home system. The proposed service area is rural and unserved.



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3. Application ID for Multiple Submissions for Identified Service Areas:

4. Rural Area Determination

At least 75 percent of the proposed service area to be funded falls within rural areas that are unserved or underserved.

Yes

5. Applications for Rural Areas: Please choose the funding program(s) to which you are submitting this application.

a) BIP broadband infrastructure category to which you are applying:

BIP - Last Mile Non-Remote Area

b) Would you like this Application for Rural Areas to also be considered for BTOP funding?

Yes

c) BTOP Infrastructure category for which you are applying.

Last Mile

6. Applications for All Other Areas: Per the NOFA, all applications to fund broadband infrastructure projects in areas that are less than 75% rural must be submitted to NTIA for consideration under BTOP.

BTOP broadband infrastructure category to which you are applying:

B. Eligibility Factors

7. Application Submission

BIP and BTOP Factors Selected By Applicant:

Applicant has submitted a completed application and provided all supporting documentation required for the application.

The Project will be substantially complete within 2nd year from the award date, and the project will be fully



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| complete by the end of the 3rd year from the award date. |
| For projects seeking more than \$1 million funding, the Applicant agrees to submit a certification, from a Professional Engineer, that attests that a) the system will deliver the stated performance; and b) the projected project will be substantially completed within two years, and fully completed within three years. |
| The Applicant provides two-way data transmission with advertised speeds of at least 768 kbps downstream and 200 kbps upstream. |
| Applicant understands and agrees to comply with the nondiscrimination and interconnection obligations outlined in the NOFA. |
| If applying for a last mile Broadband Infrastructure project, applicant understands and agrees to comply with the last mile coverage obligations as outlined in the NOFA. |

| |
|--|
| Additional Factors for BIP Selected By Applicant |
| At least 75 percent of the proposed funded service area qualifies as unserved and underserved rural areas in accordance with the NOFA. |
| Applicant understands and agrees that the project will be fully funded in accordance with the requirements of the NOFA. |
| Applicant understands and agrees that only projects that RUS determines to be financially feasible and/or economically sustainable will be eligible under this NOFA. |



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|--|
| <p>Additional BTOP Factors Selected By Applicant</p> <ul style="list-style-type: none"> • Conformity with Statutory Purposes • Cost Sharing/Matching • Reasonableness of Project Budget |
| The project advances at least one of the statutory purposes for BTOP |
| Applicant has provided documentation that the project would not have been implemented during the grant period without federal grant assistance. |
| Applicant has provided a budget that is appropriate to the proposed technical solution and only includes eligible costs. |

- **Demonstration the Project Could not be Implemented But For Federal Grant Assistance**
Applicant is providing matching funds of at least 20 percent towards the total eligible project costs?
Yes

| |
|--|
| 7-k. Cost Sharing/Matching Fund Explanation |
| |

C. Executive Summary

Executive Summary of Project for BIP and BTOP:

8. Infrastructure Projects Executive Summary

a) Opportunities the proposed system seeks to address

The City of Corinth, KY and the Other Areas of Grant County, KY and Owen County, KY, which make up the proposed funded service area is an economically challenged, rural area throughout which Broadband Transmission Service does not currently exist. As more fully set out below, the City of Corinth, KY and the Other Areas of Grant County, KY and Owen County, KY are in dire need of broadband deployment!



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b) A general description of the proposed funded service areas (location, number of communities, etc.)

The City of Corinth, KY and the Other Areas of Grant County, KY and Owen County, KY, which make up the proposed funded service area, are located in the southern part of Grant County, KY. The area is extremely rural. Although the City of Corinth, KY and the Other Areas of Grant County and Owen County, KY are located near an exit from Interstate 75, the area remains severely underdeveloped due to its lack of broadband services.

The term "Corinth" as used in this application means the City of Corinth, KY and the Other Areas of Grant County, KY and Owen County, KY. Please note that on the mapping tool, the Other Areas of Owen County were inadvertently left out of the list of census communities, however, the Other Areas of Owen County, KY are included in the map of the proposed funded service area.

c) Number of households and businesses passed

There are 484 households in the proposed funded service area and 21 businesses in the proposed funded service area, for a total of 505 households and businesses passed.

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.)

There are three (3) community anchor institutions, public safety entities, and critical community organizations passed and/or involved with project. The three institutions include:

1. The Corinth City Hall
2. The Corinth Water District
3. The Corinth Volunteer Fire Department

As part of the proposed project, the Applicant will provide free broadband services to all of the entities listed above. Because of the rural nature of Corinth and the Other Areas of Grant County, KY and Owen County, KY, which make up the proposed funded service area, there are no schools, libraries, colleges, hospitals, or police departments.



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e) Proposed services and applications for the proposed funded service areas and users.

The Applicant proposes to provide broadband services at speeds of up to 10M and video services to Corinth and the Other Areas of Grant County, KY and Owen County, KY, which make up the proposed funded service area. None of these services are currently available in the proposed funded service area. Also, the Applicant plans to provide voice over IP services within 2 years to the proposed funded service area.

f) Approach to addressing the non-discrimination and interconnection obligations

The proposed project will be consistent with the NOFA's non-discrimination and network interconnection obligations. Consumers will be entitled to access the lawful Internet content of their choice. Consumers will be entitled to run applications and services of their choice, subject to the need of law enforcement. Consumers will be entitled to connect their choice of legal devices that do not harm the network. Consumers will be entitled to competition among network providers, application and service providers, and content providers. Additionally, the Applicant makes a commitment to not favor any lawful Internet applications or content; display network management policies on the web and disclose changes; connect to the public Internet and offer technically feasible interconnection on reasonable rates and terms.

g) Type of broadband system that will be deployed (network type and technology standard)

Broadband Transmission Services will be deployed using a Fiber-to-the-Home system called "BrightPath". Commscope Inc. specifically designed "BrightPath" for reaching out to rural areas using optical taps on fiber optic networks. It will attach to the existing seventy-two-count fiber, which runs directly to the Applicant's Headend in Williamstown, KY. An optical node will be placed in Corinth to distribute the broadband connection to Corinth and the Other Areas of Grant County, KY and Owen County, KY, which make up the proposed funded service area.

h) Qualifications of the applicant that demonstrate the ability to implement and operate a broadband infrastructure, and/or be a sustainable broadband services provider.

The Applicant has the necessary organizational mechanisms established to handle the implementation, management, and operation of the proposed broadband services network. The



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Applicant will ensure that the necessary sales, operational, and billing support systems are in place to provide the proposed services (e.g., network management, provisioning, billing and customer care, etc...)

The Applicant has maintained a cable television system for 25 years, as well as other utilities services, such as electric, water and sewer treatment since the 1930s. In 2004, the Applicant began offering high-speed data and Internet services via an HFC broadband system and, in 2007, the Applicant began offering those services via wireless network by building six (6) radio towers and using five (5) water towers to broadcast the service.

The Applicant currently has both a fully operational electric system and a broadband communications system in place with 24-hour customer support. The Applicant currently has the necessary sales, operational, and billing support systems are in place to provide the proposed services (e.g., network management, provisioning, billing and customer care, etc...) These systems are designed to handle the additional services and subscribers that will be added by the proposed broadband services network.

Upon notice of project funding approval, the Applicant is ready to begin the project immediately. This project is building a fiber to the home network, on existing pole lines which have already been mapped and entered into a CAD system. The Applicant currently has all pole attachment agreements with pole owners and all necessary franchise agreements. A partial design of the system has already been completed in order to obtain accurate budgeting for the project and the remainder of the design can be completed within a week. A bill of materials has already been completed for the entire project and will only need to be reviewed with the completed design for accuracy and the equipment will be ordered.

The design, construction and operation of projects such as this are common place to the Applicant and all personnel involved are experienced in working efficiently and effectively. Because the Applicant has an established Headend and currently offers the proposed services, a simple connection at the Headend between the existing network and the proposed is all that is needed for the network to be operational.

The principle employees overseeing this project will be Roy Osborne and Chuck Hudson. Both employees have been responsible for the design, construction and operation of an HFC



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plant. Additionally, both attend several continuing education seminars. Chuck Hudson has 20 years experience in cable television and telecommunications and 19 years as a supervisor. He has attended several SCTE technical seminars including “Technology for Technicians”, “Fiber Technology for Technicians”, “C-Cor Cable Technology for Technicians” and is also HAZMAT certified. Roy Osborne has 14 years experience in cable television and telecommunications and 9 years as an Assistant Superintendent. He has attended SCTE Training such as “Data Technology for Technicians”, “Technology for Technicians II,” and “Optical Fiber in the HFC Plant”. Additionally he has completed Motorola’s “Canopy Network Training”.

- i) The overall infrastructure cost of the broadband system is \$669,135
- j) The Overall expected subscriber projections for the project is 433 subscribers in year five.
- k) Number of jobs estimated to be created or saved as result of this project.

The Mayor of Corinth, Mayor William Hill, reports that there is a proposed development for the 1800 acres annexed which includes a major retail center, research and development park, as well as housing and recreational features. The development proposes to create over 10,000 jobs for the area and more than six thousand homes being built. An equestrian area is also a possibility in this development as well as lakes for the recreation areas. This land development is planned over a three to five year build out from the start date, however a start date cannot be set until all utilities requirements can be met. Broadband availability is one of these requirements. This land development, as well as the overall growth and development of Corinth, rest on the availability of broadband to Corinth and the Other Areas of Grant County, KY and Owen County, KY, which make up the proposed funded service area.

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

9. BTOP Statutory Purpose:



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| Provide access to broadband service to consumers residing in “unserved” areas of the United States. |
| Provide broadband education, awareness, training, access, equipment, and support to schools, libraries, medical and healthcare providers, community colleges and other institutions of higher education, and other community support organizations by or through these organizations. |
| Provide broadband education, awareness, training, access, equipment, and support to organizations and agencies that provide outreach, access, equipment and support services to facilitate greater use of broadband service by low-income, unemployed, aged, and otherwise vulnerable populations. |
| Provide broadband education, awareness, training, access, equipment, and support to job-creating strategic facilities located within a defined economic zone, or community as designated by a State authority, Department of Commerce , HUD or USDA. |
| Improve access to, and use of, broadband service by public safety agencies. |
| Stimulate the demand for broadband, economic growth, and job creation. |

10. Description of BTOP Project Purpose:

(a)&(b) This project addresses compelling problems and presents opportunities consistent with the BTOP statutory goals. As shown below, this project offers effective solutions to those problems and addresses said opportunities.

1. The project will provide access to broadband service to consumers residing in "unserved" areas of the United States. Specifically, it will provide access to the City of Corinth, KY and the Other Areas in Grant County, KY and Owen County, KY, which make up the proposed funded service area. Said proposed funded service area is currently an “unserved” area.

2. Currently there are no schools, libraries, medical/healthcare providers or community colleges or other institutions of higher education in the City of Corinth, KY or the Other Areas in Grant County, KY and Owen County, KY. Nor are there any organizations and agencies that provide outreach, access, equipment, and support services to facilitate greater use of broadband service by low-income, unemployed, aged, and otherwise vulnerable populations in the City of Corinth, KY or the Other Areas in Grant County, KY and Owen County, KY. Additionally



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there are no job-creating strategic facilities located within a State-designated economic zone, Economic Development District designated by the Department of Commerce, Renewal Community or Empowerment Zone designated by the Department of Housing and Urban Development, or Enterprise Community designated by the Department of Agriculture in the City of Corinth, KY or the Other Areas in Grant County, KY and Owen County, KY. Please note, that if at any time, any such facilities were to be located in the proposed service area, the Applicant would provided free high-speed broadband service to said facilities.

3. Currently, none of the public safety agencies in the City of Corinth, KY or the Other Areas in Grant County, KY and Owen County, KY, have access to broadband services. The Applicant, if awarded these funds, will not only make broadband services available to all of the public safety agencies, but would provide said services free of all charges to (a) Corinth City Hall, which houses the Corinth City Government and the Corinth Water District and (b) Corinth Volunteer Fire Station.

4. The Applicant's proposed project will improve access to and use of broadband service by the public safety agencies listed above and ensures access to broadband service by the community anchor institution. These public safety entities and community anchor institutions in the community will able, for the first time ever to provider twenty-first century services to the citizens of the City of Corinth, KY and the Other Areas in Grant County, KY and Owen County, KY. The City of Corinth has past a resolution in support of the grant. The Corinth Water District and the Corinth Fire Department have written letters of support of the grant. Please note that, the City of Corinth, the Corinth Volunteer Fire Department, the Corinth Water District and Grant County have all been involved in the planning and development of the broadband project from its inception.

5. This project will stimulate the demand for broadband, economic growth, and job creation. Although the City of Corinth, KY and the Other Areas in Grant County, KY and Owen County, KY are located near an exit from Interstate 75, the area remains severely underdeveloped due to its lack of available broadband and high speed data services. For example, Corinth has recently annexed 1800 acres into its city limits. The Mayor of Corinth, Mayor William Hill, reports that there is a proposed development for the 1800 acres annexed which includes a major retail center, research and development park, as well as housing and recreational features. The development proposes to create over 10,000 jobs for the area and



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more than six thousand homes being built. An equestrian area is also a possibility in this development as well as lakes for the recreation areas. This land development is planned over a three to five year build out from the start date, however a start date cannot be set until all utilities requirements can be met. Broadband availability is one of these requirements. This land development, as well as the overall growth and development of the City of Corinth, KY and the Other Areas in Grant County, KY and Owen County, KY, rest on the availability of broadband to the area.

6. This project facilitate greater use of broadband by low-income, unemployed, aged and otherwise vulnerable populations. According to the U.S. Bureau of the Census, (<http://factfinder.census.gov>) the median household income (MHI) of Corinth, KY is merely \$23,750, while nationally, the MHI is \$41,994. Thus, the MHI of Corinth is less than 56.56% of the national MHI. According to the Census, the population in Corinth over 65 years of age is 16%. Unemployment high in Corinth. The Census reports that in Corinth, only 50.4% of the population over the age of 16 is in the workforce. Additionally, the Census reports that 32.2% of the population in Corinth is below the poverty level. The project will deploy broadband services so that they are available to every household in Corinth and the portions of Grant County. The Applicant will price its broadband services so that it will be affordable to the citizens of the proposed service area and will develop a marketing program designed to reach these vulnerable populations. The Applicant has past experience working with low-income, unemployed, aged and otherwise vulnerable populations in its existing broadband, cable and electric systems.

c) Proposed solution demonstrates broad significance and includes development that can be replicated to improve future projects.

The project has broad significance in that it will create over 10,000 jobs for the area. Additionally it will provide for the first time ever to provider twenty-first century public safety services to the area.

d) The proposed funded service area is in an unserved area.

e) This project addresses all of the statutory purposes.



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As outlined above, this project address all of the statutory purposes of the BTOP Program.

11. BTOP Enhanced Services for Health Care Delivery, Education, and Children:

This project will enhance broadband service for education and children as contemplated by the Recovery Act. This project goes beyond providing broadband access to include a more robust educational broadband service delivery. Currently there is no broadband service in the City of Corinth, KY and the Other Areas in Grant County, KY and Owen County, KY, which make up the proposed funded service area. This project will provided access to Internet-based advanced placement courses, college courses and continuing adult education. These types of educational and instructional programs have never been offered in the proposed service area and will clearly have a positive impact on the citizens and businesses in the proposed service area. Also, please note that the proposed service area does not have a public library. This project will provide many of the services that a 21st century library provides, including information services, research services, and homework assistance for school children.

Currently there are no schools, libraries, medical/healthcare providers or community colleges or other institutions of higher education in the proposed service area. Please note, that if at any time, any such facilities were to be located in the proposed service area, the Applicant would provided free high-speed broadband service to said facilities.

D. Proposed Funded Service Area

12. Proposed Funded Service Area Maps:

12-A. Service Area Map (Reference Number): **7551-4A9A-40EE-81C6**

12-B. Is the applicant is seeking a waiver for providing less than 100% coverage of a census block. **No**

13. Proposed Funded Service Area (BIP - Last Mile Projects):

Please refer to section M at the end of document.

14. Proposed Funded Service Area (BTOP - Middle Mile Project):

Please refer to section M at the end of document.

15. Non-Funded Service Area(BIP Only):

For the Applicant's existing service area that will not be funded by BIP or BTOP, the



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Applicant has provided the following information in the aggregate:

Total population using the last decennial Census: 21,941
Total number of Households: 7,883
Total number of Businesses: 196
Total subscriber numbers: 651

16. Coverage Waiver:

Applicant is seeking a waiver for providing less than 100% coverage of a census block.

No

For Response of "Yes" please refer to upload section for additional supporting documentation.

17. Methodology for Area Status:

The proposed funded service area is classified as "unserved" and at least 75% rural.

Please note that none of the households in the proposed funded service area have access to facilities-based, terrestrial broadband service at greater than the minimum broadband transmission speed. Also, no fixed or mobile broadband service provider advertises broadband transmission speeds of at least 3 mbps downstream in the proposed funded service area. Additionally, the rate of broadband subscribership for the proposed funded service area is zero.

The unavailability of broadband services was determined by three factors.

First, in May 2009, the Applicant acquired the cable television franchise in Corinth from Windjammer Communications. As it exists today, the cable television system in Corinth is a one direction 330 MHz cable system, which is unable to pass two-way traffic needed for Broadband Transmission Services.

Second, the Mayor of Corinth, Mayor William Hill, requested that the Applicant provide Broadband Transmission Services to Corinth because there is no Broadband Transmission Service available in Corinth. Please note that Mayor Hill reported to the Applicant that he contacted Cincinnati Bell (the incumbent telephone provider) and Time-Warner Cable (the previous owner of the cable television system) and was told by both Cincinnati Bell and Time-Warner Cable that deploying broadband in Corinth was cost prohibitive.



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Third, the Applicant did a door-to-door survey in Corinth and confirmed that Broadband Transmission Services were unavailable in Corinth. Thus, the proposed funded service area is classified as "unserved".

According to the 2000 Census, the total population for the proposed funded service area is 930. Please note that the proposed funded service area is not an urbanized area contiguous or adjacent to a city or town that has a population greater than 50,000 inhabitants. Thus, pursuant to the NOFA, proposed funded service area is 100% rural.

18. Middle Mile Benefits

E. Proposed Service Offering

19. Broadband Service Offerings for Last Mile Project:

Please refer to upload section at the end of the document.

20. Service Offerings for Middle Mile Project:

Please refer to upload section at the end of the document.

Competing Service Providers

21. Existing Broadband Service Providers and Services Offered:

Please refer to upload section at the end of the document.

Non-Discrimination, Interconnection

22. Description of Network Openness:

The proposed project will be consistent with the NOFA's non-discrimination and network interconnection obligations. Consumers will be entitled to access the lawful Internet content of their choice. Consumers will be entitled to run applications and services of their choice, subject to the need of law enforcement. Consumers will be entitled to connect their choice of legal devices that do not harm the network. Consumers will be entitled to competition among



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network providers, application and service providers, and content providers.

Additionally, the Applicant makes a commitment to:

1. Not favor any lawful Internet applications or content
2. Display network management policies on the web and disclose changes
3. Connect to the public Internet and
4. Offer technically feasible interconnection on reasonable rates and terms

Finally, the proposed infrastructure will be available to be used by multiple service providers.

Non-Discrimination and Interconnection (BTOP applicants only for next three questions)

23. Non-Discrimination Obligations (applicable to Last Mile and Middle Mile Applicants):

| |
|---|
| Adhere to the minimum non-discrimination requirements as set forth in the NOFA. |
| Display the nondiscrimination practices in a prominent location on the service provider’s web page, and provide notice to customers of changes to these policies. |

24. Interconnection Obligations (applicable to Last Mile Applicants):

| |
|--|
| Adhere to the minimum interconnection requirements as set forth in the NOFA. |
| Display the interconnection policies in a prominent location on the service provider’s web page, and provide notice to customers of changes to these policies. |
| Commit to offering wholesale access to the project facilities at reasonable rates and terms. |
| Commit to binding private arbitration of disputes concerning interconnection obligations. |



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25. Interconnection Obligations Middle Mile Applicants:

| |
|--|
| |
|--|

Cost Effectiveness and Affordability

26. Cost per Household (BTOP only):

For this last mile project, taking into account the total cost of the proposed project, the Applicant estimates the cost per household will be \$981.14 per home passed.

The supporting data for the proposed pricing is as follows:

- 682 homes passed, 62% (take rate) = 423 subscribers.
- Total Project cost of 669,135.92/423 = \$1,581.88 per subscriber.
- 669,135.92/682 (homes passed) = \$981.14 per home passed.
- 669,135.92/25 (miles of plant) = \$26,765.44 per mile.

27. Affordability

There are no existing broadband services in the proposed funded service area. The proposed pricing is appropriate for the area. The Applicant plans to charge the same rates in the proposed funded service area as it currently charges for its existing subscribers in Grant County, KY. The residential rates are \$39.95 per month for 6 Mbps and \$54.95 per month for 10 Mbps. The business rates are \$59.95 per month for 6 Mbps and \$79.95 per month for 10 Mbps. Under the above-mentioned rate structure, the Applicant’s estimated take rate in Grant County is 59.9% for high-speed data services.

The Applicant has obtained broadband rates from 2 other city-owned broadband providers in Kentucky.

In Frankfort, KY, the Frankfort Plant Board sets residential rates at \$45 per month for 4 Mbps and \$54 per month for 8 Mbps. The business rates are \$80 per month for 4 Mbps and \$100 per month for 8 Mbps. The Frankfort Plant Board does not offer 6Mbps or 10Mbps service.



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In Murray, KY, the Murray Electric Plant Board sets residential rates at \$52.45 per month for 6 Mbps and \$67.49 per month for 12 Mbps. Murray does not offer 10Mbps service.

These regional examples show that the Applicant's pricing is in fact lower than other city-owned broadband providers in the region. Clearly, the proposed pricing is appropriate for the area and will be affordable to those living the proposed service area.

F. Technology Strategy

28. Technology Type:

Wireline - Fiber-optic Cable

Other:

29. System Design

a. The following is a synopsis of the current network infrastructure:

i. The current service area(s)

The Applicant currently provides Cable TV and High Speed Data over 40 miles of HFC plant covering the Williamstown city limits and 5 miles of HFC plant outside the city limits of the City of Williamstown, KY. High Speed Data is also offered via wireless network throughout various parts of Grant, Owen, and Pendleton County.

ii. The types of services offered

Services over the HFC plant include analog TV, digital TV, Pay per View, and High Speed Data with email, spam filtering and Internet Security Software. All HFC services are utilizing the Society of Telecommunication Engineers (SCTE) standards. The only service offered over the Wireless network is High Speed Data with email, spam filtering and Internet Security Software. This network is proprietary technology using Motorola Canopy equipment.



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iii. The total number of establishments served

There are currently 842 analog TV customers, 136 digital TV customers, 295 wireline Internet customers and 356 wireless internet customers.

iv. Wireline establishments passed

There are approximately 1600 establishments passed by the HFC plant.

v. Wireless establishments covered

It is impossible to determine the number of establishment covered by the wireless system. Because of the topography of the region and the density of the forested areas, the wireless system does not provide optimal service.

vi. The number of subscribers for each service offered (e.g., voice, data, video, etc.)

There are currently 842 analog TV customers, 136 digital TV customers, 295 wireline Internet customers and 356 wireless Internet customers.

vii. The types of technologies utilized in the infrastructure (e.g., standards-based vs. proprietary)

Services over the HFC plant include analog TV, digital TV, Pay per View, and High Speed Data with email, spam filtering and Internet Security Software. All HFC services are utilizing the Society of Telecommunication Engineers (SCTE) standards. The only service offered over the Wireless network is High Speed Data with email, spam filtering and Internet Security Software. This network is proprietary technology using Motorola Canopy equipment.

viii. A narrative describing current connectivity to the applicant's ISPs, video providers, telephony providers.

The Applicant obtains its video feeds from various satellites and creates its own channel lineup.



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Internet Connectivity is obtained by connecting the Applicant’s Fiber Network to Insight Communications, who provides a 500 Mbps, upgradable, connection to the Internet.

b. The following is a synopsis of the proposed network infrastructure, describing the types of technology to be deployed in the proposed funded service area and how the technology will facilitate the offering of broadband service as defined in the NOFA:

i. All service areas of the Applicant whether funded or not funded.

The backbone of the system will require approximately 9 miles of fiber to be funded and built to reach the proposed service area from the already existing 5 miles of seventy-two count fiber going to the Applicant’s Headend. From the point the seventy-two count fiber is dropped off in the proposed service area, approximately 14 miles of fiber will be funded and built to serve the proposed service area.

ii. The types of services to be offered.

The Applicant will initially offer high speed broadband at various speeds including 512kps, 6Mbps and 10Mbps, as well as cable television services. The Applicant plans to also offer IPVoice services within 2 years of the completion of the construction of the facilities.

iii. The types of technologies to be employed in the infrastructure (e.g., standards-based vs. proprietary)

The key network components will be from CommScope’s BrightPath fiber-to-the-home solution which has been accepted by the US Department of Agriculture’s Rural Development Telecommunications Program as a feasible solution for low density housing and rural areas. This solution allows for a Fiber to the Home solution to work seamlessly with the Applicant’s existing Hybrid Fiber Coax (HFC) system.

The specific advantages for CommScope’s BrightPath solution is that signal loss over distance is severely diminished and more customers can be reached by the network over longer distances compared to traditional HFC systems. Additionally, there is a significant cost savings to the Applicant by being able to combine the BrightPath solution with the existing HFC



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system. BrightPath will make it possible to reach deep into the rural areas economically but at the same time, the Applicant will not have to completely change all of the existing equipment used by the HFC plant and its customers. Furthermore, cost savings can be found in the reduced maintenance required for the BrightPath solution, where there are no RF amplifiers in the network and FCC required testing such as the Cumulative Leakage Report will not be required since the data is carried over fiber rather than coax. The Fiber Optic System will also have higher capacity over the coax.

The Fiber system the Applicant proposes to build also stands out over a traditional HFC system as it will provide a more reliable network because of the reduced number of failure points over the HFC system such as power supplies, amps and fewer nodes.

iv. How the proposed system will be able to offer every household and business passed broadband service at the minimum levels included in the NOFA.

At the southern most part of the existing HFC plant on US25, lies a seventy-two (72) count fiber connection which was designed to be used for expansion to the southern parts of Grant County. This fiber will extend into Corinth, KY and Owen County, KY to Fiber Nodes. From the Nodes, fiber will branch off with optical taps, designed by CommScope Inc, feeding a fiber optic drop cable to the customer's premises. At the side of the customer's premises, a Networks Interface Unit, which is an electro-optical convertor, will transition the light from the fiber optical line to a RF signal. The RF signal will be sent to a standard DOCSIS cable modem via RG-6 Coax cable.

The design allows for future expansion across various roads extending off of US25 to the East and West, and will allow for several redundant rings to be created by expanding east to Hwy 36 leading back to the Applicant's Headend. This not only plans for future growth but improved reliability.

v. A narrative describing proposed connectivity to Internet Service Providers (ISPs), video providers, telephony providers, and other content providers.

The Applicant currently obtains its video feeds from various satellites and creates its own channel lineup. Internet Connectivity is currently obtained by connecting the Applicant's Fiber



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Network to Insight Communications, who provides a 500 Mbps, upgradable, connection to the Internet. Applicant plans to use said connectivity in its proposed project.

30. Network Diagram:

Please refer to upload section at the end of document.

31. Certification by Professional Engineer:

Please refer to upload section at the end of document.

32. Buy American Waiver Request:

Is the applicant seeking an individual waiver of the Buy American provision? **Yes**

Buy American Waiver Request – Legal Justification

The Applicant is seeking a waiver to the Buy American Requirement for the following items:

Broadband Transport Equipment

- 1.Aurora Optical Node (Bright Path Configuration)
- 2.CommScope BrightPath Optical Taps with Grommet Kits
- 3.Demultiplexers 1550nm/1310nm
- 4.Return Channel Digital Receivers

Broadband Access Equipment

- 1.CommScope BrightPath Network Interface Unit (NUI)
- 2.Alpha Flex-Point Battery Backup unit

Customer Premises

- 1.Scientific Atlanta DPC2100 Cable Modem

All of the above-mentioned items are included in the limited waiver granted in the NOFA issued by the Secretary of Agriculture and the Secretary of Commerce on July 1, 2009.



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33. Choice of Service Provider:

Does the project’s Infrastructure and the Company’s business plan allow more than one provider to serve end users in the proposed funded service area?

Yes

G. Project Milestones and Completion Factors

Timeline & Milestones

34. Infrastructure Build-out Timeline:

Please refer to upload section at the end of the document.

35. Licenses, Regulatory Approvals and Agreements:

The Applicant currently has all of the licenses and regulatory approvals required to implement and operate the proposed project. Please note that this project does not required tower leases, equipment leases, building leases, land leases, leasing of local loops or state authorization. The applicant has existing pole attachment agreements with both companies owning poles in the proposed area as well as the means to build pole lines where needed. The applicant has acquired all necessary FCC authorizations. Additionally, the Applicant has cable franchise agreement for Grant County and for the City of Corinth.

36. Construction and Vendor Contracts

The Applicant intends to rely on contractors to build the network facilities. The Applicant has had extensive conversations with Bowlin Services. Bowlin Services has performed network facilities construction for the Applicant in the past and has done an outstanding job of completing the work in a timely manner. The Applicant plans to use the following vendors to supply the necessary equipment and materials for the project: CommScope Inc. and National Cable TV Cooperative.



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Bowlin Services and the National Cable TV Cooperative have told the Applicant that they are ready to enter into agreements the Applicant, should this application be approved. The Applicant has attached letters of intent from Bowlin Services and the National Cable TV Cooperative stating they are ready to enter into agreements with the Applicant should this application be approved.

Qualification of Management Team and Organizational Readiness

37. Management Team Resumes:

Please refer to upload section at the end of the document.

38. Organizational Readiness:

The Applicant has the necessary organizational mechanisms established to handle the implementation, management, and operation of the proposed broadband services network. The Applicant will ensure that the necessary sales, operational, and billing support systems are in place to provide the proposed services (e.g., network management, provisioning, billing and customer care, etc...)

The Applicant has maintained a cable television system for 25 years, as well as other utilities services, such as electric, water and sewer treatment since the 1930s. In 2004, the Applicant began offering high-speed data and Internet services via an HFC broadband system and, in 2007, the Applicant began offering those services via wireless network by building six (6) radio towers and using five (5) water towers to broadcast the service.

The Applicant currently has both a fully operational electric system and a broadband communications system in place with 24-hour customer support. The Applicant currently has the necessary sales, operational, and billing support systems are in place to provide the proposed services (e.g., network management, provisioning, billing and customer care, etc...) These systems are designed to handle the additional services and subscribers that will be added by the proposed broadband services network.

Upon notice of project funding approval, the Applicant is ready to begin the project immediately. This project is building a fiber to the home network, on existing pole lines which



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have already been mapped and entered into a CAD system. The Applicant currently has all pole attachment agreements with pole owners and all necessary franchise agreements. A partial design of the system has already been completed in order to obtain accurate budgeting for the project and the remainder of the design can be completed within a week. A bill of materials has already been completed for the entire project and will only need to be reviewed with the completed design for accuracy and the equipment will be ordered.

The design, construction and operation of projects such as this are common place to the Applicant and all personnel involved are experienced in working efficiently and effectively. Because the Applicant has an established Headend and currently offers the proposed services, a simple connection at the Headend between the existing network and the proposed is all that is needed for the network to be operational.

The principle employees overseeing this project will be Roy Osborne and Henry C. Hudson. Their resumes have been uploaded as attachments Mr. Osborne and Mr. Hudson have been responsible for the design, construction and operation of an HFC plant. Additionally, both have attended several continuing education seminars. Mr. Hudson has 20 years experience in cable television and telecommunications and 19 years as a supervisor. He has attended several SCTE technical seminars including “Technology for Technicians”, “Fiber Technology for Technicians”, “C-Cor Cable Technology for Technicians” and is also HAZMAT certified. Mr. Osborne has 14 years experience in cable television and telecommunications and 9 years as an Assistant Superintendent. He has attended SCTE Training such as “Data Technology for Technicians”, “Technology for Technicians II,” and “Optical Fiber in the HFC Plant”. Additionally he has completed Motorola’s “Canopy Network Training”.

Other



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39. Organizational Chart:

Please refer to upload section at the end of document.

40. Legal Opinion:

Please refer to upload section at the end of document

41. Government and other Key Partnerships:

The Applicant will be partnering with the City of Corinth, the Corinth Volunteer Fire Department and the Corinth Water District. These community anchor institutions and public safety entities have played an integral role in the Project's planning and will continue to play an important role in the Project's ongoing operations. None of these government agencies have ever had access to high-speed internet. The City of Corinth, the City of Wiliamstown, the Corinth Volunteer Fire Department and the Corinth Water District have all shown their unbridled support for this project by passing resolutions and/or writing letters endorsing the proposed broadband build out to their community.

Please note that the Apllcant will provide broadband sevicees free of charge to the City of Corinth, the Corinth Volunteer Fire Department and the Corinth Water District.

42. Recovery Act and Other Governmental Collaboration.

At this time the Applicant is not aware of any Recovery Act or federal development programs which could lead to collaborations on this project. However, if at any time, the Applicant learns of any Recovery Act or federal development programs which would lead to greater project efficiencies, the Applicant would move quickly to enter into such collaborations.

Community Involvement (BTOP Applicants Only)

43. Partnering with Disadvantaged Businesses

The Applicant has no established agreements in principle to contract with socially and economically disadvantaged small businesses (SDB), as defined by section 8(a) of the Small Business Act, 15 U.S.C. §637.



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H. Project Budget

44. General Overall Budget



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| Budget | Loan Request | Grant Request | Equity | Debt | Bond | Other |
|---|--------------|---------------|--------|------|------|-------|
| Network & Access Equipment (switching, routing, transport, access) | 156,685 | 150,541 | | | | |
| Outside Plant (cables, conduits, ducts, poles, towers, repeaters, etc.) | 124,621 | 119,734 | | | | |
| Buildings and Land – (new construction, improvements, renovations, lease) | | | | | | |
| Customer Premise Equipment (modems, set-top boxes, inside wiring, etc.) | 51,028 | 49,026 | | | | |
| Billing and Operational Support Systems (IT systems, software, etc.) | | | | | | |
| Operating Equipment | | | | | | |



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| | | | | | | |
|---|----------------|----------------|--|--|--|--|
| (vehicles, office equipment, other) | | | | | | |
| Engineering/ Professional Services (engineering design, project management, consulting, etc.) | 8,925 | 8,575 | | | | |
| Testing (network elements, IT system elements, user devices, test generators, lab furnishings, servers/computers, etc.) | | | | | | |
| Site Preparation | | | | | | |
| Other | | | | | | |
| TOTAL BROADBAND SYSTEM | 341,259 | 327,876 | | | | |



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Total Budget: \$ 669,135

45. Detailed Budget:

Please refer to upload section at the end of the document.

Sustainability

46. Reasonableness

As set forth below, the unit price and total number of units required for this project are reasonable to deliver the proposed services in the Applicant’s proposed funded service area.

The Applicant will be utilizing CommScope’s BrightPath solution to provide services to the Project Area. The design of the network was engineered by Cable Development Consulting, which is a BrightPath Certified engineering firm. This solution will allow the Applicant to preserve its existing infrastructure and use its existing provisioning, billing, monitoring, and conditional access systems.

The Applicant has made the following assumptions:

1. 25 miles of plant will be constructed to reach and serve the project area.
2. 4 nodes will be required.
3. 90% of the plant will be aerial cable and 10% will be underground.
4. All underground cable will be in conduit.
5. Total homes passed based on GPS mapping and a drive-out house count is 682 home.
6. The expected take rate is 62% based on the take rate of our existing service area.
7. Density is 27 homes per mile.

Because the Applicant already has an existing broadband system, many of the necessary items to operate in the project area will not need to be purchased. No additional equipment will be needed for network switching. An existing pole line exists throughout the project area. There will be no need for additional operating equipment such as trucks, meters, safety equipment, or office equipment to operate or maintain the new area. The Applicant already owns all equipment necessary for testing the network as well.

The Applicant’s design uses four field nodes, each averaging 106 subscribers per node. No



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customers are fed directly from the headend because of the distance between the project area and the headend location is too far. The CommScope design showed a 15% savings over HFC for a low density area such as the one the Applicant wants to serve. The Applicant's design resulted in a cost per subscriber rate of \$1,581.88; as opposed to CommScopes expected cost of \$1,612.00 per subscriber and the Applicant is at a cost of \$26,765.44 per mile as opposed to the industry standard expectation of \$33,843 per mile.

Clearly, the Applicant is spending the least amount possible for the largest program impact and is executing its program as a careful steward of the funds under its control.

47. Historical Financial Statements:

Please refer to upload section at the end of the document.

48. Broadband Subscriber Estimates:

Please refer to upload section at the end of the document.

49. Other Services:

Please refer to upload section at the end of the document.

50. Pro Forma 5-Year Financial Forecast and Assumptions:

Please refer to upload section at the end of the document.

51. Commitment of Capital Funding Support

For BIP, there are no other funds committed to the project (other than the BIP funding). If the application is denied under BIP, the Applicant is committed to fund the BTOP grant match of 20%. The total budget of the project is \$669,135. Thus, Applicant will fund \$133,827. The Applicant will use a bond issued by the Kentucky League of Cities to fund the \$133,827 required match.

BTOP Requirements



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52. Matching Funds:

- a. Cash: \$ 133,827.00
- b. In-Kind: \$.00
- c. Percent of Total Project Cost: 20

53. Demonstration of Financial Need:

The Applicant's proposed project requires federal grant assistance and would not have been possible during the grant period without these funds. If this grant is being considered under BTOP, it means that the Applicant was denied its request under the Summer 2009 BIP for a loan/grant combination. Additionally, the Applicant's current fiscal year budget shows the lack of available revenue options for funding the project. Finally, the pro formas indicate that the project would not be economically feasible without grant financing.

54. Unjust Enrichment

On June 17,2009, the Applicant applied for a grant from RUS's "Community Connect Broadband Program." The Applicant applied for \$628,673.95 for non-recurring costs for this project. To date, the Applicant has not heard from RUS regarding the status of its application.

55. Disclosure of Federal and/or State Funding Sources

The Applicant has not received, nor has it requested, other federal or state funding including, but not limited to all Universal Service Funds, for activities or projects to which the application relates.

I. Self Scoring – BIP Only Self Scoring

56. Self Scoring Sheet



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| Criteria | Method | Points | Self Scores |
|--|--|-----------|-------------|
| <u>PROJECT PURPOSE</u> | | | |
| Proportion of Rural Residents Served in Unserved Areas | 1 point for every 10,000 unserved households | Up to 5 | 1 |
| Rural Area Targeting | 1 point for every 5% increase in the rural service area up the minimum 75% rural area requirement | Up to 5 | 5 |
| Remote Area targeting | 1 point for every 50 miles a service area is located from a non-rural area | Up to 5 | 0 |
| Title II Borrower | If you are or were a Title II borrower | 5 | 0 |
| Recovery Act and other governmental collaboration | 1 point will be awarded for each governmental or Recovery program the applicant is partnering with | Up to 5 | 0 |
| <u>PROJECT BENEFITS</u> | | | |
| Performance of the offered services | If a last mile wireline project delivers 20M to household – if a last mile wireless projects delivers 2M to end-user – if a middle mile projects delivers 100M to end points | 10 | 0 |
| Affordable of services offered | Points awarded based on the proposed rate structure and the logistics of the proposed service area | Up to 5 | 5 |



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| | | | |
|---|--|----------|----|
| Choice of service provider | If the proposed infrastructure is available to be used by multiple service providers | 5 | 5 |
| Critical Community Facilities | If discounted rate packages at least 25% lower than advertise rates are available to critical facilities | 5 | 5 |
| <u>PROJECT VIABILITY</u> | | | |
| Applicant's organizational capability | Points will be awarded on the strengths and accomplishments of key management | Up to 12 | 12 |
| Community Support | If a letter of support has been received from a designated representative of the community for every community in the proposed service territory | 2 | 2 |
| Ability to promptly start project | If the applicant can demonstrate that all licenses and regulatory approvals have been received, contractors and vendors are ready to enter into contracts, and equity has been deposited into applicant accounts | 10 | 10 |
| Socially and economically disadvantaged small businesses (SDB), as defined by section 8(a) of the Small Business Act, 15 U.S.C. §637. | If the applicant is a Section 8(a) entity | 1 | 0 |
| <u>PROJECT BUDGET AND SUSTAINABILITY</u> | | | |
| Reasonableness of the budget | Points will be awarded based the | Up to 5 | 5 |



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| | | | |
|---|--|-----|----|
| | adequacy of the proposed budget | | |
| Leverage of outside resources (outside funding/financing requested) | (i) 10 points if this ratio is greater than 100% (ii) 7 points if this ratio is between 100% and 75% (iii) 5 points if this ratio is between 75% and 50% (iv) 3 points if this ratio is between 50% and 25% (v) 1 points if this ratio is lower than 25% | 10 | 1 |
| Extent of grant funding (Grant funds/loan funds) | (i) 0 points if this ratio equals 100% (ii) 1 points if this ratio is between 100% and 75% (iii) 3 points if this ratio is between 75% and 50% (iv) 5 points if this ratio is lower than 50% (v) 10 points if no grant funds are requested | 10 | 5 |
| Total Points | | 100 | 56 |



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J. BTOP Certification Requirements

Certification (Requested for BTOP)

Please refer to upload section at the end of the document regarding following uploads.

1. U.S. Department of Commerce, Broadband Technology Opportunities Program
2. SF-424D Assurances—Construction Programs (Schedule N)
3. CD-511, Certification Regarding Lobbying (Attachment O)
4. SF-LLL, Disclosure of Lobbying Activities (Attachment P)
5. CD-512, Certification Regarding Lobbying—Lower-Tier Covered Transactions (Attachment Q) This certification will not be required until the time of the grant award, because it applies to subcontractors, etc.

K. BIP Certification Requirements

Certification (Requested for BIP)

Please refer to upload section at the end of the document regarding following uploads.

1. Equal Opportunity and Nondiscrimination Certification
2. Certification Regarding Architectural Barriers
3. Uniform Relocation Assistance and Real Property Acquisition - Policies Act of 1970 Certification
4. Certification Regarding Debarment, Suspension, and Other Responsibility Matters – Primary Covered Transactions
5. Certification Regarding Lobbying for Contracts, Grants, Loans, and Cooperative Agreements



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6. Network Design and Implementation Plan Certification (to be complete for projects requesting more than \$1 million in federal assistance)

L. Schedules

Schedule: A-1 Congressional Districts

1. State the Congressional District of the Applicant’s headquarters

Kentucky - 4

2. State the Congressional District for each area covered by the Project.

Kentucky - 4

M. Proposed Funded Service Area Details (BIP & BTOP)

13. Proposed Funded Service Area (BIP - Last Mile Projects):

Proposed Funded Service Area Name: Corinth(“Corinth” refers to Corinth, KY & Other Areas in Grant County, KY & Owen County, KY)

| Census Blocks in Proposed Funded Service Area: | | |
|---|-------|-------------|
| Census Tract | Block | Group Block |
| 040400 | 1 | 1001 |
| 040400 | 1 | 1002 |
| 040400 | 1 | 1003 |
| 950200 | 2 | 2027 |
| 970300 | 1 | 1002 |
| 970300 | 1 | 1003 |
| 970300 | 1 | 1004 |
| 970300 | 1 | 1005 |
| 970300 | 1 | 1006 |
| 970300 | 1 | 1007 |



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| | | |
|--------|---|------|
| 970300 | 1 | 1008 |
| 970300 | 1 | 1009 |
| 970300 | 1 | 1010 |
| 970300 | 1 | 1011 |
| 970300 | 1 | 1012 |
| 970300 | 1 | 1013 |
| 970300 | 1 | 1014 |
| 970300 | 1 | 1015 |
| 970300 | 1 | 1016 |
| 970300 | 1 | 1017 |
| 970300 | 1 | 1018 |
| 970300 | 1 | 1019 |
| 970300 | 1 | 1020 |
| 970300 | 1 | 1021 |
| 970300 | 1 | 1022 |
| 970300 | 1 | 1023 |
| 970300 | 1 | 1024 |
| 970300 | 1 | 1025 |
| 970300 | 1 | 1057 |
| 970300 | 1 | 1058 |
| 970300 | 1 | 1059 |
| 970300 | 1 | 1060 |
| 970300 | 1 | 1061 |
| 970300 | 1 | 1084 |
| 970300 | 1 | 1086 |
| 970300 | 1 | 1087 |
| 970300 | 1 | 1999 |
| 980300 | 5 | 5030 |
| 980300 | 5 | 5031 |
| 980300 | 5 | 5032 |
| 980300 | 5 | 5033 |
| 980300 | 5 | 5037 |
| 980300 | 5 | 5038 |
| 980300 | 5 | 5057 |



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| | | |
|--------|---|------|
| 980300 | 5 | 5058 |
| 980300 | 5 | 5059 |
| 980300 | 5 | 5060 |
| 980400 | 1 | 1022 |
| 980400 | 1 | 1023 |
| 980400 | 1 | 1024 |
| 980400 | 1 | 1025 |
| 980400 | 1 | 1026 |
| 980400 | 1 | 1028 |
| 980400 | 1 | 1029 |
| 980400 | 1 | 1030 |
| 980400 | 1 | 1031 |
| 980400 | 1 | 1032 |
| 980400 | 1 | 1033 |
| 980400 | 1 | 1034 |
| 980400 | 1 | 1035 |
| 980400 | 1 | 1036 |
| 980400 | 1 | 1037 |
| 980400 | 1 | 1038 |
| 980400 | 1 | 1039 |
| 980400 | 1 | 1040 |
| 980400 | 1 | 1041 |
| 980400 | 1 | 1042 |
| 980400 | 1 | 1043 |
| 980400 | 1 | 1044 |
| 980400 | 1 | 1045 |
| 980400 | 1 | 1046 |
| 980400 | 1 | 1047 |
| 980400 | 1 | 1048 |
| 980400 | 1 | 1049 |
| 980400 | 1 | 1050 |
| 980400 | 2 | 2006 |
| 980400 | 2 | 2007 |
| 980400 | 2 | 2008 |



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980400 2 2009
 980400 2 2010
 980400 2 2018
 980400 2 2020
 980400 2 2027
 980400 2 2028
 980400 2 2029
 980400 2 2031
 980400 2 2038
 980400 2 2040
 980400 2 2042

Community Name: Corinth, KY & Other Areas in Grant County, KY and Owen County, KY
Rural Classification of the Community: Rural
BIP - Service Status: Unserved

| |
|--|
| BIP - If Service Status is "Underserved" please select at least one applicable option from this list. |
| No more than 50% of the households in the census-designated community [or other area] have access to facilities-based, terrestrial broadband service at greater than the minimum broadband transmission speed; |
| No fixed or mobile broadband service provider advertises broadband transmission speeds of at least 3 mbps downstream in the census designated community [or other area]; or |
| The rate of broadband subscribership for the census-designated community [or other area] is 40% of households or less. |

BTOP – Service Status: Unserved

| |
|---|
| BTOP - If Service Status is "Underserved" please select at least one applicable option from this list. |
| |

Total Square Miles of Community: 9
Total Population : 930
Total Number of Households: 484
Total Number of Businesses: 21
Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities: 3



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14. Proposed Service Area (BTOP - Middle Mile Project):

- Middle Mile Span Name:**
- Census Blocks in Middle Mile Span:**
- Last Mile Service Area Name:**
- Community Name:**
- Rural Classification of the Community:**
- BIP – Service Status:**

| |
|--|
| BIP - If Service Status is "Underserved" please select at least one applicable option from this list. |
|--|

BTOP - Service Status:

| |
|---|
| BTOP - If Service Status is "Underserved" please select at least one applicable option from this list. |
|---|

- Total Square Miles of Service Area:**
- Total Population :**
- Total Number of Households:**
- Total Number of Businesses:**
- Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities:**

N. Uploads

In order to improve system performance and help ensure that all applicants are able to complete their applications by the deadline, we have changed the way your application PDF is created. This PDF contains all of the information you entered throughout the Easygrants data entry screens. PDF copies of all documents that have been uploaded can be viewed and printed



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separately from the **Main page of the application after you submit**. These will continue to be available to you in read-only format after your application has been submitted.