

<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

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**A.** General Application Information

1. Applicant Information		
1-A. Name, Address, and F	1-A. Name, Address, and Federal ID for Applicant	
i. Legal Name:	Hardy Telecommunications, Inc.	
ii. Employer/Taxpayer Identification Number (EIN/TIN):	550398418	
Street 1:	2255 Kimseys Run Road	
Street 2:		
City:	Lost River	
County:	Hardy	
State:	WV	
Country	United States	
Zip/Postal Code:	26810	

1-B. Name and Contact Information of Person to be Contacted on Matters Involving this Application:	
Prefix:	Mr.
First Name:	David
Middle Name:	Scott
Last Name:	Sherman
Suffix:	
Telephone Number:	304-897-9911
Fax Number:	304-897-9910
Email:	ssherman@hardynet.com
Title:	General Manager



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1-C. Other Required Identification Numbers	
i. Organizational DUNS:	003428208
ii. CCR # (CAGE):	5KP96
iii. Funding Opportunity	
Number:	
iv. Catalog of Federal	BTOP CFDA Number: 11.557
Domestic Assistance Number:	BIP CFDA Number: 10.787
Domestic Assistance Number.	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). **Cooperative or Mutual** 

#### 1-E. RUS Borrower Status

Yes

# 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: Hardy AnchorRing

**2-B. Project Description:** A Middle Mile fiber-optic network in Hardy County, West Virginia bringing network diversity, multi-homing, and high capacity bandwidth to the area for the first time. Hardy AnchorRing will interconnect anchor institutions and underserved areas along the route and allow for a new economic development focus based on reliable and affordable connectivity to a major metropolitan trading center.



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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 <u>rural areas</u> 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 - Middle Mile Project** 

- 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.
   Middle 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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# **Additional BTOP Factors Selected By Applicant**

- 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

Opportunity:

Hardy Telecommunications, Inc. ("Hardy" or "the Company") seeks support to deploy Hardy AnchorRing, a 117-mile high-capacity, diverse fiber-optic Middle Mile ring in the rugged mountains of the Potomac Highlands region in Hardy County, West Virginia. The Company is a nonprofit rural telephone cooperative formed over fifty years ago in a grass roots effort to provide telephone service in an area deemed unprofitable by commercial telephone companies. Anchor institutions, public safety agencies, critical community facilities, community support organizations and the economic development authority in the area (collectively "Community



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Institutions"), many of whom are existing customers of the Company, have a need for higher reliability and bandwidth capacity at lower cost.

The existing Middle Mile network connecting the Hardy County service area to the Global Internet Backbone is not a diverse, redundant network today. A fiber cut on a single lateral can and has caused outages in the area. A reliable communications and broadband network is a critical need for Hardy County.

Capacity is extremely limited on the existing network. Dedicated capacity higher than 3 Mbps is unavailable in much of the area and does not meet the needs of intense users and applications such as medical imaging. The school system in the area could significantly lower replacement costs for personal computers, software, and support by deploying a public/private cloud computing system, channeling savings into academic resources, but affordable access to a high-capacity network is a requirement.

Hardy Telecommunications faces significant challenges in connecting the most rural underserved communities in its serving area due to long distances through difficult terrain to reach only a few households. A high capacity Middle Mile backbone network through the County is needed for the extension of broadband services into underserved areas of the County.

Hardy AnchorRing is a critical need for economic development in the area. The local and regional economy is concentrated in the wood products manufacturing and poultry production and processing industries, as well as in traditional agriculture products. Small businesses and entrepreneurs are of great importance to the local economy. Many of the area's labor force out commute to work nearly an hour away. Spikes in gasoline prices in recent years and intense domestic and international competitive pressure for all manufacturing areas - especially wood products heavily dependent on the weakened housing construction industry - have created a sense of urgency to create and retain jobs within the local area. Economic diversity is a key concern for Hardy County.

A primary objective for economic development calls for recruitment of businesses involved in electronic data processing and software development, which depend on reliable, affordable, and robust communications and broadband services. The region is under consideration for a "Corridor H" evacuation route from Washington DC in the event of a security emergency, but



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evacuees along the route would be at risk without reliable and secure communications and sufficient capacity. A private company engaged in Homeland Security training is located in the area and requires reliable and secure connectivity.

Hardy Telecommunications wishes to serve the Hardy County area at reliability, capacity, and affordability levels equal to or better than those commonly available in other areas of the U.S., but without a significant investment in infrastructure, protection and expansion of services is not an option. The Company is a nonprofit telephone cooperative with no requirement to satisfy public shareholder demand for higher returns, but it is infeasible for the Company to deploy the critically needed infrastructure without public support, due to: a) low population of only 13,420 people, limiting subscriber revenues to recover cost of deployment, and b) mountainous terrain and very low household density at only 4.47 households/mile in some areas, raising deployment costs.

Hardy AnchorRing will connect Community Institutions to a network with capacity at ten Gbps at inception, scalable to much higher capacities to meet future demand. The ring will connect upstream at two locations for multi-homing, interconnecting to routes only one hop from the Global Internet backbone in Washington, DC. This would allow the Company, other service providers, and Community Institutions to obtain wholesale Internet service at the lowest possible cost, lowering prices in the area and increasing adoption. It would allow the rural development authority in the area to recruit electronic back office and software development and support companies from the Washington metro.

#### General Description of Proposed Funded Service Area:

Hardy AnchorRing will traverse 27 rural communities in Hardy County, West Virginia. Pine Ridge, comprised of only 154 households and 5 businesses in a hard to reach, sparsely populated, low density area, is approximately 90% underserved. Interconnection facilities will be established within the Pine Ridge area, overcoming wireless backhaul challenges due to mountainous terrain and heavy foliage cover, and allowing for provisioning of DSL equipment or fiber to the premise last mile service equipment by Hardy Telecommunications or other service providers.

Number of Houses and Businesses Passed: 860 households, and 255 businesses will be directly passed by Hardy AnchorRing.



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Number of Community Anchor Institutions, Critical Community Facilities and Public Safety Sites: Interconnection will be provided for 98 Community Institutions in the area, of which 22 are public safety sites, 37 are anchor institutions, and 30 are critical facilities including government agencies and federal government sites. Other Community Institution sites include the newspaper and radio station, cell towers, and major employers.

Proposed Services and Applications: High Capacity Dedicated Ethernet service and/or low-cost Dedicated symmetrical Internet service will be offered to the Community Institutions at from 10 Megabits/second ("Mbps")up to 1 Gigabits/second ("Gbps"). Service is offered at low, wholesale rates, and an additional discount will be offered to schools, nonprofit health care providers, the library, government agencies, and public safety. 35 Community Institutions will be connected directly to Hardy AnchorRing either on the fiber Middle Mile backbone or on fiber laterals connected to the backbone. Hardy AnchorRing will provide interconnection at 21 additional points along Hardy AnchorRing for service providers wishing to serve the area.

#### Approach to Nondiscrimination and Interconnection Obligations:

Hardy Telecommunications will comply with the Nondiscrimination and Interconnection Obligations of the regulations governing BIP and BTOP awards. Hardy complies with the principles of FCC Internet Policy Statement FCC 05-151. The Company displays its network management practices in a prominent position on its web page, and will notify customers of any changes to these policies. Hardy does not limit usage and does not differentiate among applications, providers, or sources; the Company allocates capacity in an application neutral manner.

Hardy AnchorRing will be lit at 10 Gbps of capacity at inception but can scale to 40 Gbps wavelengths with the addition of wave division multiplexing electronics. If an interested party makes a bona fide request for circuits or wavelengths, Hardy will offer interconnection at reasonable rates and terms in a good faith negotiation. The Company will post its interconnection policies on its website.

# Type of Broadband System:

Hardy AnchorRing will be an aerial and underground 117-mile fiber-optic network ring and laterals comprised of 144-strand single mode fiber-optic cable. The system will be deployed in



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a ring configuration and lit for capacity with long range Ethernet over SONET optronics at 10 Gbps. The system is highly scalable with capacity for 40 Gbps before an electronics upgrade is required. Interconnections will be accomplished at 19 interconnection points at Hardy remotes on Hardy AnchorRing and at two new facilities being deployed at Pine Ridge and Wardensville, as well as for 35 Community Institution sites directly on the backbone. Other Community Institutions will be connected on fiber via interconnecting fiber laterals.

# Qualifications of the Applicant:

Hardy Telecommunication has served the area for over fifty years. With such a long and successful history of continuous service in a such a difficult to serve area; a high level of community support for the project; a governance board comprised of community members; and highly competent and experienced management and staff, Hardy Telecommunications is uniquely qualified to deploy, maintain, and sustainably operate a Middle Mile network in this sparsely populated rugged mountain area.

Overall Infrastructure Cost of the System: The overall infrastructure cost of the broadband system is \$4,070,520. An investment of public funding leverages over fifty years of investment in the rural region by Hardy Telecommunications.

#### **Expected Subscriber Projections**

Subscribership was expected to decline after Fall, 2009 but the broadband adoption rate increased almost 7% over the latest 12 months to the current level of 36%. Hardy expects subscribership to grow as a result of Hardy AnchorRing to 46% over a five-year period, adding at least 404 residential and business subscribers and 98 Community Institutions along the ring.

#### Number of Jobs to be Created or Saved:

Employment directly related to deployment and operation of Hardy AnchorRing will create 34 new jobs. An investment in Hardy AnchorRing is a long-term investment that will underpin economic development in the area and generate jobs for decades.

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

# 9. BTOP Statutory Purpose:



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Provide improved access to broadband service to consumers residing in "underserved" 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:

Hardy AnchorRing will provide a diverse, high-capacity Middle Mile fiber optic network ring through Hardy County, West Virginia for protection against network outages in the area for the first time. The network will be lit at 10 Gigabits/second capacity at inception for high capacity and will interconnect at two points only one hop off the Global Internet Backbone in Washington, DC for multi-homing and to obtain lowest cost wholesale Internet access available in the U.S. This project will resolve critical Middle Mile network reliability, capacity, and affordability challenges that affect every constituency and objective that the American Recovery and Reinvestment Acts seeks to address, with only two exceptions: support for job-creating strategic facilities -- which are not present in the area, and providing broadband service to unserved areas -- even though we have good reason to believe that the project would also achieve that objective in this rugged mountain area where cellular communication can be a challenge.

Lack of access to the type of infrastructure proposed for Hardy AnchorNet is a critical, cross-



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cutting barrier impacting the effectiveness of broadband service providers -- including Hardy Telecommunications, and schools, libraries, healthcare providers, community colleges and other institutions of higher education, community support organizations - especially those that serve low-income families with children, unemployed, aged, disabled, and otherwise vulnerable populations, and public safety agencies. The existing network severely limits the efficacy of economic development activities in the region to support modernization and expansion of existing business and to attract new businesses to create good jobs. The objectives of these entities differ, but the communications and broadband barriers they face are the same:

Barriers to Reliable Service. Network outages of the Middle Mile network have occurred and will continue unless this project receives public support. The private sector cannot make a reasonable business case to deploy in such a sparsely populated, low density area with formidable terrain, but the need for diversity is critical. Imagine a local health clinic transmitting electronic patient records for a critically ill patient in a remote hospital. Picture a small business owner who landed a large contract with a major manufacturer hurrying to submit order fulfillment information on time. Now imagine the network going down.

Imagine the regional development authority responding to a major corporation interested in a facility in the area -- creating 80 to 100 badly needed jobs -- that network redundancy is not available.

Barriers to Capacity. Capacity of the existing Middle Mile network is very limited -- and very expensive due to lack of competition in this network segment. Rapid advances in electronic content and applications are putting severe pressure on networks to keep pace, especially in rural areas where network infrastructure is older. Many anchor institutions are Hardy Telecommunications' customers, and many have requested higher capacity service, but the network in its current state cannot provide higher capacities. The highest broadband bandwidth available is 3 Megabits/second. Point-to-Point transport capacity in the area as well as through the area to out-of-region interconnections is also very limited - and expensive. High capacity service is a critical need for Internet Service Providers, for Hardy Telecommunications, and anchor institutions, public safety, critical community facilities, outreach organizations, and economic development organizations alike.



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Barriers to Affordability. In remote, rural areas such as Hardy County, low or no competition in the Middle Mile network allows pricing to rise to the highest level. Lack of competition also restricts choices for wholesale Internet Service due to high-cost transport to interconnections to the Global Internet backbone, where service is most affordably priced. Communities with terrain barriers such as mountain regions and islands are the most severely affected by low competition in the Middle Mile network due to the difficulty and high cost of deployment in these areas. Some rural communities with similar population demographics to Hardy County are "geographically lucky" -- located in close proximity to interconnection points with robust competitive services for transport to Tier 1 Internet Access points. These communities pay far less for both Middle Mile transport and wholesale Internet Service than their isolated, rural counterparts. This can be a make or break cost for rural Internet Service providers with small subscriber bases and a critical need to lower costs. Subscriber adoption rates are closely correlated to consumer prices, and even more so today with a severe economic downturn and with spiking unemployment levels.

Hardy Anchor Ring will provide a badly needed high-capacity, diverse, redundant, multi-homed solution for 99.9997% uptime. It would provide significant cost savings in Middle Mile transport and wholesale Internet service and, as a result, would lower wholesale and retail pricing for communications and broadband services in the region, allowing more subscribers to be connected -- especially low income families with children, aged, disabled and otherwise atrisk populations who could not otherwise afford connectivity.

Hardy Telecommunications understands that public safety, economic development, government agencies, libraries, educational institutions, health care providers and community organizations have the same needs as it does; therefore, the Hardy AnchorRing project provides for direct fiber connectivity to the Middle Mile backbone ring at 100 Megabits/second symmetrical capacity at inception for 20 of these entities, and connectivity via fiber spurs from the backbone to 78 of these entities, providing for affordable wide area communications and connectivity to the public Internet. These entities are listed below:

Hardy EdNet for Higher Education, K-12, Pre-K and Child Development, the Library and Museum. Hardy HealthNet for Health Clinics, Dental Clinics, Pharmacies, and support services. Hardy GovNet for City-County Government, State Government, and Federal Government sites. Hardy SafetyNet connecting Police, Sheriff and State Police, Fire and



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Rescue, Emergency Management and Communications agencies, including the State Transportation Management and State Rail Authority offices, the 911 Emergency Tower Location, and Security agencies including the National Guard, National Weather Service, Special Security, and a private Homeland Security training facility. Hardy EmployNet connects the three largest employers in the area. Hardy InfoNet connects the local newspaper and radio station, and Hardy Tower Net, connects to the cell towers in the area to improve cellular communications in the area.

Finally, Hardy AnchorNet interconnects to the very sparsely populated, very low density underserved area of Pine Ridge. Hardy Telecommunications will provide an interconnection to the 10 Gigabits/second backbone at Pine Ridge for Broadband service providers to access unprecedented capacity and high reliability service in an area that would otherwise have no chance of obtaining this type of service in the foreseeable future.

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

Class sizes in rural, sparsely populated Hardy County are very small, and resources stretched thin. Large student population sizes in metropolitan area schools allow for more and more types of curricula to very advanced levels, but small rural schools cannot hire a specialized instructor for one or only a handful of students interested in higher level courses in science and math such as AP Biochemistry. The economic crisis has forced schools across the U.S. to cut budgets to unprecedented lows, to furlough and now lay off teachers, and to do without supplies and needed equipment. Rural schools have been severely affected by the economic crisis, yet a way must be found to maintain and enhance education educational offerings during this time.

Area schools have read about advanced fiber-optic education networks that connect K-12 schools and colleges together so they can share access to real-time, interactive video distance learning curricula, as well as to share services such as Internet and telecommunications for very significant cost savings. Area schools are also interested in cutting the costs of Personal Computer replacements due to obsolescence, purchases of software licenses, and management of hardware and software compatibility problems, by moving to a public/private cloud computing system - in which communications and broadband networks become integral parts of the collective computer. Deployment of these types of systems and applications would be a tremendous boon for the rural education community, especially today. It would help to lower capital costs, operating costs, and communications costs significantly and allow schools to



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channel those savings into retaining and hiring teachers and purchasing academic support materials. Hardy AnchorRing can accommodate the high-bandwidth requirements and reliability requirements of interactive video distance learning and cloud computing, so that schools can obtain significant savings and offer more and more types of instructional curricula than can be offered today.

Health care institutions in Hardy County area need affordable access to high reliability and high-capacity communications and broadband networks for rapid exchanges of information and imaging, especially in critical care situations. This type of connectivity is a requirement for electronic health care applications, such as remote diagnostics, medical image archival, retrieval and transmission, and rapid transmission of electronic patient medical records in These applications not only offer significant enhancements to health care services for patients, but can also provide substantial savings for health care institutions. Rural health care institutions must operate on very thin margins - as low as 1%; therefore, any advances that can produce cost savings and improve patient care are critically important. In order for Hardy County health care providers to be able to take advantage of these electronic advances, Hardy AnchorRing is a prerequisite. In addition to allowing health care institutions to share vital records and precious resources, the system will allow health clinics to communicate with insurers, public health, EMS, and other organizations within the healthcare electronic eco-system via broadband connectivity. Without funding support for deployment of Hardy AnchorRing, this rural sparsely populated area would not have access to these types of electronic advances in the foreseeable future.

# **D. Proposed Funded Service Area**

#### 12. Proposed Funded Service Area Maps:

- 12-A. Service Area Map (Reference Number): B690-9D88-4AC1-8A9A
- 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.



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

Hardy Telecommunications is the ILEC in Hardy County, West Virginia, serving wireline voice within the County. The Company offers DSL in limited portions of its service area, but does not have sufficent capacity or diversity to offer reliable, high-capacity broadband bandwidth to Strategic Institutions, businesses, or households. The Hardy AnchorRing Middle Mile backbone ring runs through the Company's service area, bringing high capacity and diversity to the area. Therefore, the funded service area runs through the non-funded service area of Hardy Telecommunications, but the services offered over Hardy AnchorRing cannot be offered by Hardy Telecommunications or any other service provider today.

12660 Total Population at 2000 Census

5204 Households at 2000 Census

902 Businesses

4529 Total Subscribers, of which 1628 are Broadband subscribers

#### 16. Coverage Waiver:

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

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

# 17. Methodology for Area Status:

Hardy Telecommunications is the serving local exchange carrier in Hardy County. Hardy relied on its own subscriber data with respect to adoption rate to determine unserved or underserved areas of the County. Hardy's subscriber data shows a broadband subscription rate of less than 36% adoption for Broadband services in its service area where the service is available.

In the underserved Pine Ridge community of Hardy County, Hardy Telecommunications is the only service provider. Pine Ridge is approximately 90% underserved.

Hardy County is classified as rural by the US Census Bureau.

#### 18. Middle Mile Benefits

Last Mile Service Areas along Hardy AnchorRing Middle Mile network and interconnecting laterals are: ARKANSAW, BAKER, BEAN SETTLEMENT,



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CUNNINGHAM, DOVE HOLLOW, DURGEN, FISHER, FORT RUN, HELMICK ROCK, JEMINA HOLLOW, KESSEL, LOST CITY, LOST RIVER, MATHIAS, McCAULEY, MOOREFIELD, NEEDMORE, OLD FIELDS, PINE RIDGE, RIO, STATE PARK, SUGAR CAMP HOLLOW, TAYLOR, TOM WILLIAMS HOLLOW, WARDENSVILLE, and WHETZEL HOLLOW.

### Proposed Service Providers for Interconnection:

Hardy Telecommunications is the only Last Mile Service Provider serving Hardy County except for Frontier Telecommunications in a limited portion of the County in the Moorefield area and in the western portion of the County. Only Hardy Telecommunications serves the remote, underserved area of Pine Ridge. Mobile broadband is offered in some areas of the County, but cellular communications coverage in the area is challenging due to mountainous terrain. Currently there is no redundant, protected service available; no transmission capacity at greater than 45 Mbps; and no broadband service at greater than 3Mbps from Frontier or 6Mbps from Hardy - and only in limited areas.

Interconnection from the Hardy AnchorRing Middle Mile network would be available to Frontier and any new service providers wishing to serve the rural, sparsely populated low density area; however the area is deemed unprofitable by most commercial service providers.

Anchor Institutions, Public Safety, Critical Facilities and Community Support Organizations targeted as direct customers (98):

911 EMERGENCY TOWER

AMERICAN WOODMARK

**BEGINNING STEPS CHILD CARE** 

**CELL TOWER #1** 

CELL TOWER #2 RADIO EQUIPPED

**CELL TOWER #3 (CONSTRUCTION)** 

**CELL TOWER #4 (CONSTRUCTION)** 

**CELL TOWER #5** 

EA HAWSE HEALTH CENTER #1

EA HAWSE HEALTH CENTER #2

EACHS INC.HEAD START

EAST HARDY HIGH SCHOOL



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Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

EAST HARDY LIBRARY

EAST HARDY MIDDLE SCHOOL

**EASTERN COMMUNICATIONS** 

EASTERN COMMUNITY & TECHNICAL COLLEGE

FISHER FAMILY DENTISTRY

FRALEY AMBULANCE

HAHN MEDICAL

HARDY CO PLANNING COMMISSION

HARDY CO. ASSESSOR'S OFFICE

HARDY CO. BOARD OF ED. #1

HARDY CO. BOARD OF ED. #2

HARDY CO. CIRCUIT COURT

HARDY CO. CLERK'S OFFICE

HARDY CO. COMMISSION

HARDY CO. COORDINATOR

HARDY CO. COURT HOUSE

HARDY CO. EXT. OFFICE

HARDY CO. FAMILY LAW JUDGE

HARDY CO. FINANCE OFFICE

HARDY CO. FSA

HARDY CO. HABITAT FOR HUMANITY

HARDY CO. HEALTH DEPT.

HARDY CO. JUDGE

HARDY CO. MAGISTRATE'S OFFICE

HARDY CO. PROBATION OFFICE

HARDY CO. RURAL DEVELOPMENT AUTHORITY

HARDY CO. TOURS + CRAFTS

HARDY CO. EMERGENCY OFFICE

HARDY CO. PROSECUTING

HARDY CO. PUBLIC SERVICE

HARDY COUNTY SHERIFF'S OFFICE

HOMELAND SECURITY (PRIVATE)

JUDY'S DRUG STORE

LOVE MEMORIAL CLINIC



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MASIH MEDICAL CENTER

MAYOR'S OFFICE

MCCOY MCMECHEN MUSEUM INC.

MCKEE FUNERAL HOME

MOOREFIELD ELEMENTARY SCHOOL

MOOREFIELD EXAMINER

MOOREFIELD HIGH SCHOOL

MOOREFIELD INTERMEDIATE SCHOOL

MOOREFIELD MIDDLE SCHOOL

MOOREFIELD SEWER PLANT

MOOREFIELD VOL.FIRE DEPT. #1

MOOREFIELD VOL.FIRE DEPT. #2

MOUNTAIN MEDICAL

MTHS-BAKR VOLUNTEER FIRE DEPT #1

MTHS-BAKR VOLUNTEER FIRE DEPT #2

MTHS-BAKR VOLUNTEER FIRE DEPT #3

MTHS-BAKR VOLUNTEER FIRE DEPT #4

NATIONAL GUARD ARMORY

NATIONAL WEATHER SERVICE

PIEDMONT MEDICAL

PRIMARY PSYCHOLOGICAL CARE

**PRIMEWOOD** 

RENAL CENTER

RF MANUFACTURING

SAGE REHABILITATION

SATELITTE HEALTH CARE

SPECIAL SECURITY

SPINE ASSOCIATES

STEWART + BARR + THORNE

TOWN OF MOOREFIELD, POLICE

TOWN OF WARDENSVILLE

TOWN OF WARDENSVILLE MAYOR'S OFFICE

US POST OFFICE #1

US POST OFFICE #2



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**US POST OFFICE #3** 

US POST OFFICE #4

US POST OFFICE #5

WARDENSVILLE PHARMACY

**WDVL FIRE & RESCUE** 

**WELD RADIO** 

WILLIAMS CHIROPRACTIC

WORK FORCE OF WV

WV BUREAU OF EMERGENCY

WV DEPT OF HIGHWAYS #1

WV DEPT OF HIGHWAYS #2

WV DEPT. OF HEALTH

WV EMPLOYMENT OFFICE

WV REHABILITATION

WV STATE POLICE

WV STATE RAIL AUTHORITY

WV TRAFFIC MONITORING

WV UNIVERSITY [EASTERN DIVISION]

Projected End Users Served by Connections and Basis for Estimate:

98 Anchor Institutions, Public Safety Sites, Critical Community Facilities, Community Support Organizations, Major Employers, Local Information Services and Cell Towers will be served on the Hardy AnchorRing backbone (35) or on interconnected fiber laterals to fiber at the premises.

There are 860 households and 255 businesses passed directly by Hardy AnchorRing that could be served directly on fiber. In addition to these, 2,542 households and 255 businesses in the Last Mile Service areas could be served from 21 interconnection points along the ring, or from 35 anchor institutions, community facilities, public safety sites, and community support organization sites directly on the ring. Service providers, including Hardy Telecommunications, may serve these households and businesses over fiber, copper, or wireless last mile networks. Service providers may purchase SONET or Ethernet Middle Mile transport service and/or wholesale Internet service from Hardy AnchorRing to serve these end users.



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The reach of DSL Broadband service can be extended to beyond the 18,000' limit of currently existing DSL coverage via transport over Hardy AnchorRing to an interconnection point and deployment of DSL equipment near the communities. Wireless providers may utilize Hardy AnchorRing to overcome wireless backhaul challenges due to mountainous terran and heavy foliage, siting transmission equipment closer to areas to be served.

Expected Subscriber Adoption Rate: The adoption rate is based on the Company's current experience as the local exchange carrier in the area. Hardy Telecommunications conservatively estimates that service adoption will increase from its current 35% adoption rate of Broadband services to 46% over a 5-year period. It should be noted that despite the downturn in the economy in Fall, 2009, the subscriber take-rate for Broadband service, where available, increased 7% over the latest 12 months ending June 30, 2009.

Level of Need and Vulnerability and Benefits to Community beyond Broadband: As previously discussed, residents, businesses, community institutions, and economic development centers within the area have experienced service outages because the existing Middle Mile network is not diverse and redundant. Furthermore, existing capacity for communications and broadband alike is extremely limited, with broadband services only available at 3 Mbps in some of the serving area and 6 Mbps in some of the areas served by Hardy Telecommunications' DSL service. Point-to-point transport is unavailable above 45 Mbps DS-3.

Hardy AnchorRing is a critical need for Hardy County to raise reliability and protect against outages and to increase capacity for intense users of broadband in the anchor institutions, critical facilities, and public safety - and for economic redevelopment of the area. Lack of diversity, redundancy and capacity is a tremendous barrier that must be overcome for the area to recover from the economic downturn as well as the pressure on rural areas from loss of manufacturing jobs and agricultural income. It is a critical need for health care, education, and public safety alike. Hardy AnchorNet accomplishes the required reliability and capacity needs and allows providers of Broadband services to expand coverage, increase capacity for existing customers, and offer more affordable rates.

# E. Proposed Service Offering



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# 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:

Hardy Telecommunications will comply with the Nondiscrimination and Interconnection Obligations set forth in V.C.2.c. of the Broadband Technology Opportunities Program and the Broadband Initiatives Program Notice of Funding Availability, subject to the needs of law enforcement and reasonable network management. Specifically, Hardy will i) adhere to the principles contained in the FCC's Internet Policy Statement (FCC 05-151, August 5, 2005); ii) not favor any lawful Internet applications and content over others; iii) display network management policies in a prominent location on Hardy' web page and provide notice to customers of changes to these policies; iv) connect to the public Internet directly, such that the project is not an entirely private closed network; and v) offer interconnection, where technically feasible without exceeding current or reasonably anticipated capacity limitations, on reasonable rates and terms to be negotiated with requesting parties. This includes both the ability to connect to the public Internet and physical interconnection for the exchange of traffic.

Other than standard best efforts Internet delivery, Hardy Telecommunications employs the following business practices and technical mechanisms to allocate capacity; differentiate among applications, providers, or sources; limit usage; and manage illegal or harmful content:



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- A. Hardy utilizes industry standard practices to allocate bandwidth and provide acceptable service levels to all customers across its network. The primary allocation method is through programmable port controls associated with access to the network for each customer. Ports are set to the service level subscribed to with both mins and maxs to make sure customers receive adequate bandwidth. Additionally, the company monitors aggregated bandwidth in its internal network and to the world daily to make sure the connection internally and to the world is sized accordingly so that the customer experience is not altered and the service remains relatively constant at all times.
- B. The Company does not differentiate among applications, providers, or sources;
- C. The Company does not limit usage;
- D. Hardy deploys a device in its network that scans for spam and other malware. If spam or malware is detected, the customer is notified via their internet access to contact our office to get full restoration of service. Hardy also has a process for when the company is made aware of copyright violations from media sources. Upon receipt of the notice, the formal procedure takes place via a letter to the customer advising them of their obligations to follow laws. If repeat offenses happen, the violator's service is suspended.

Hardy Telecommunications will satisfy Interconnection requirements by negotiating in good faith with all parties making a bona fide request. The Company will negotiate terms such as business arrangements, capacity limits, financial terms, and technical conditions for interconnection with requesting parties, and will seek to resolve any differences through negotiation.

Furthermore, the Company agrees to negotiate in good faith with parties making a bona fide request for wavelengths along the funded infrastructure but wishes to clarify that the Company does not currently employ wave division multiplexing electronics, therefore the cost of such electronics would have to be recovered as part of a proposed transaction.

Hardy would post its interconnection policies in a prominent place on its web page and notify customers of any changes to these policies.



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# 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):

#### 25. Interconnection Obligations Middle 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 network components and services such as wavelength or fibers at reasonable rates and terms.

# Cost Effectiveness and Affordability

# 26. Cost per Household (BTOP only):

Hardy AnchorRing is a Middle Mile network project.

# 27. Affordability



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Hardy Telecommunications will offer high-capacity, diverse service for Anchor Institutions, Critical Facilities, Public Safety, Community Support Organizations, and Economic Development/Business Industrial Parks along the Hardy AnchorRing and interconnected laterals at reliability and service levels and low, wholesale pricing never before available in the area. Services offered will include Dedicated Ethernet Broadband Service and Dedicated Ethernet Point to Point Transport.

High Capacity Transport and Dedicated Internet service will be delivered on fiber at symmetrical speeds. Prices are as follows. An additional 5% discount will be offered for schools, libraries, critical facilities, public safety, government agencies, and nonprofit medical institutions. Other eligible entities include for-profit medical institutions and economic development/business parks. Additional discounts of 10% and 20% will be offered for 36-month and 60-month contracts. For a five-year term contract, including the additiona 5% discount referenced above, pricing will be at a 25% discount to market pricing for public safety, anchor institutions, critical community facilities including government agency sites:

10 Mbps \$244.68 20 Mbps \$477.56 50 Mbps \$1,163.90 100 Mbps \$2,208.68 500 Mbps \$9,854.00 1 Gbps \$18,518.00

In contrast, there is no other provider of Middle Mile transport and Dedicated Internet service in the last mile service area. Frontier Telecommunications offers 45 Mbps T3 service, but at the time of this proposal no pricing was available. The only other service offered by Frontier in the area is DSL at best efforts service levels of 768Kbps and 3Mbps at \$39.99 and \$49.99, respectively.

For comparative purposes, in a Fall, 2008 survey of Tier 1 Internet Service providers providing service into a rural area over a Middle Mile network, pricing for 600 Mbps Dedicated Internet Service and Middle Mile Transport combined ranged from \$15,040 to \$49,000 per month.

Pricing currently advertised by a FTTH municipal network in the southeast is \$479.00 for 20



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Mbps symmetrical service.

# F. Technology Strategy

# 28. Technology Type:

Wireline - Fiber-optic Cable

#### Other:

# 29. System Design

The Hardy County region has always been served on a single lateral through the area, leading to critical network outages for residents, businesses and important anchor institutions, community facilities and organizations, and public safety sites in the area. Due to rugged mountainous terrain, cellular communication and wireless broadband coverage is spotty or nonexistent in areas of the region. Capacity in the existing network is severely limited. Currently it is difficult, if not impossible, to obtain service capacities over 3 Mbps. The proposed Hardy AnchorRing is a high-capacity, diverse fiber-optic Middle Mile network ringing Hardy County, West Virginia interconnected at two points for upstream access only one hop from the Global Internet Backbone -- for multi-homing and access to lowest cost wholesale Internet service anywhere in the U.S.

Hardy AnchorRing will directly interconnect with 37 anchor institutions, 30 critical community facilities, 22 public safety/emergency and security sites, 5 cell tower sites, 3 major employer sites, and to the local television and radio station sties. The network will provide for communication among these entities and to the public Internet. Hardy AnchorRing will provide a new interconnection and facility within the Pine Ridge area, a very sparsely populated, low density community that is approximately 90% unserved. A second new interconnection facility will be added at Wardensville. The 19 existing and 2 new interconnection facilities will allow service providers to serve the area directly off the 10 Gigabit/second backbone with copper, fiber, or wireless last mile systems.



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The technical objectives of Hardy AnchorNet are to provide a highly scalable, high-capacity, redundant, diverse and secure network with the longest possible functional life.

Hardy AnchorNet will be deployed with new 144-fiber cable to each of Hardy Telecommunications' existing nineteen (19) Wire Centers and (2) new interconnection facilities. A new 144-fiber cable will be deployed out of each of the Wire Centers to form a ring topology. The fiber strands will be used to access each of the Anchor institutions, public safety sites, critical community facilities, and other community support sites that will be fed out of each of their respective Wire Centers.

The requested funding includes fiber patch panels. Each of the 144-fiber cables will be terminated to a 144-fiber patch panel, providing flexibility and accessibility to all 288 fibers (both of the 144 fiber cables).

The requested funding includes Zhone MXK-823 units. The ring, which will provide for diversity and redundancy at each Wire Center, will utilize two (2) fibers out of the incoming 144-fiber cable into a 10 Gigabits/second XFP fiber laser, and two (2) fibers out of the outgoing 144 fiber cable out of a 10 Gigabits/second XFP fiber laser from a Zhone MXK-823 Unit. The MXK-823 units provide for SONET functionality and SONET fail-over capability. The requested funding also includes adding a second, fully redundant and diverse route across and out of the ring network to the national Internet Backbone. The current route out of the network is through the existing Wire Center, Mattie Snyder (MTSN) to the Shenandoah Telephone (STEL) Meet Point. The proposed route will be through Pine Ridge (PNRG), Wardensville (WARD) to the Valley Net (VNET) Meet Point. Both routes will be connected utilizing the MXK units with full 10 Gigabits/second capacity. There is currently no broadband provider in our serving area providing fully redundant or diverse routes in region or upstream to the national Internet Backbone.

A fiber ring topology based on SONET functionality provides significantly important benefits. Diversity can be initiated within each Wire Center via the MXK-823 to each Anchor Facility. Redundancy is built into a SONET ring topology so that fully protected circuits can be provided.

With fiber and this particular type of interconnecting equipment, MXK-823, upgrading the ring



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capacity and diverse route capacity is made simple by changing some electronics and upgrading the 10 Gigabit lasers to 40 Gigabit lasers. The system is scalable beyond 40 Gigabits with additional electronics, up to very high capacities using dense-wave division multiplexing optronics.

The MXK-823 units will also provide Active Ethernet Fiber (Metro-Ethernet) functionality to each of the Anchor Facilities fed from each particular Wire Center, utilizing a portion of the new 144 fiber cables to an ETH 100MBPS ONT located at each of the anchor institutions, community facilities, and public safety sites on Hardy AnchorRing.

The requested funding also includes new facilities at the Pine Ridge and Wardensville locations to contain an MXK-823 and fiber patch panels which will function as an interconnection points capable of providing interconnection with service providers wishing to serve the area as well as transport facilities for full network diversity.

Fiber connectivity to anchor institutions and communities facilities/public safety premises will be via an ONT, either the ETH 100MBPS ONT or the GPON ONT, located at each premise. From the ONT, copper, CAT-x, cable will make the final connection to the anchor institutions and communities facilities/public safety premises Internet access devices, firewalls, routers, computers, printers, etc.

The proposed speed of the fiber connection to all anchor institutions, community facilities, and public safety sites is 100 Megabits/second symmetrical service at inception, but capacity up to 1 Gigabits/second will be readily available. By utilizing fiber to each anchor institution, community facility, or public safety site, capacity upgrades can be accomplished quickly simply by changing the ONT device to offer greater speeds.

The benefits of a fiber-optic network and high-capacity optronics are as follows:

- •Highest capacity of any form of transmission network.
- •Capacity on the network is limited only by the electronics connected to the end points.
- •Lowest cost of transmission based on ultra high capacity potential and longest functional life.
- •Virtually unlimited capacity for scalability far into the future.
- •Conservative estimate of the useful life of fiber-optic cable is at least thirty years.



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- •Lasers generated by optical electronics designed for fiber-optic network communications transmit digital information across the fibers at near light-speed.
- •Most secure form of transmission network.
- •Lower cost of maintenance than copper networks or wireless networs.
- •Allows for long range communications of 80 kilometers or more to extend services far beyond the "subscriber fiber loop" from the serving Wire Center, allowing for remote connectivity to unserved/underserved areas.
- •Zero noise, cross-talk and interference.

### 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? No

#### **Buy American Waiver Request – Legal Justification**

#### 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** 



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#### 34. Infrastructure Build-out Timeline:

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

# 35. Licenses, Regulatory Approvals and Agreements:

Hardy Telecommunications, Inc. is a certificated carrier in good standing in the State of West Virginia, as follows:

Eligible Telecommunications Carrier Incumbent Local Exchange Carrier Competitive Local Exchange Carrier

Hardy Telecommunications, Inc. will enter into land leases and/or purchases for this project contingent upon an award and has preliminary agreements in principle to do so with the two property owners of the land necessary to complete this project.

#### 36. Construction and Vendor Contracts

Hardy Telecommunications will conduct Project Administration and will perform a portion of the deployment. It will retain a utility construction firm familiar with the area and terrain to assist with outside plant construction. Hardy will retain a professional services firm to conduct project supervision during deployment.

Preliminary construction drawings have been prepared, materials and equipment prices have been quoted by vendors and contractors. Preliminary written agreements are in place with the utility contractor and professional services firm. An agreement has been made with vendors to accept pre-purchase purchase orders, pending approval of this grant request, in order to put this project on the top of the list for delivery, should the grant be approved.

**Qualification of Management Team and Organizational Readiness** 



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# **37.** Management Team Resumes:

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

## 38. Organizational Readiness:

Hardy Telecommunications is a nonprofit rural telephone cooperative formed over fifty years in 1953 in a grass roots effort to provide telephone service in an area deemed unprofitable by commercial telephone companies. The company serves communities in the rugged mountains of the northeastern Potomac Highlands region of West Virginia.

The Company has operated continuously since 1953 and has well developed sales, operational, technical and customer support operations in place to serve existing customers. Hardy Telecommunications has an outstanding reputation for quality of service, and technical and customer support. The Hardy AnchorRing project will be managed by Hardy's existing operation.

The company has long experience and great depth of experience in the wireline, wireless and broadband industries, as well as knowledge of local area conditions.

The Company employs 31 people. Key management positions in Engineering, Outside Plant, Technology, Facilities, Materials, and Safety, Marketing and Human Resources, Accounting and Finance, and Customer Service report to the General Manager. The General Manager reports to the Board of Directors of the Company. Reporting to key management positions are Customer Care, Quality Management, Facilities Management, Internet Administration, and Projects Management, and outside staff Field Technicians, Linemen, Cable Splices, and other operating personnel.

With such a long and successful history of continuous service in a such a difficult to serve area; a high level of community support for the project; a governance board comprised of community members; and highly competent and experienced management and staff, Hardy Telecommunications is uniquely qualified to deploy, maintain, and sustainably operate a Middle Mile network in this sparsely populated rugged mountain area. Hardy has the experience, knowledge, and competencies necessary to operate in the telecommunications industry in general, and in the local area in particular.



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#### Other

# 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:

Hardy Telecommunications is a nonprofit telephone cooperative whose members of the Board of Directors are elected from Hardy County. As a community nonprofit entity, Hardy's strategies and objectives are guided by its Board, who in turn are concerned with the needs of Hardy County communities and important anchor institutions, public safety, critical facilities, economic development and other community support institutions.

This partnership has served Hardy County well for decades.

Hardy has a deep commitment to the communities it serves. Due to its depth of experience in the communications and broadband industries, the Company act as a technology partner for the area, serving its communications and broadband needs as well and effectively as possible, and providing assistance in the form of technical support, at no charge, for critical community facilities, public safety, government agencies, and anchor institutions when there is a problem.

As the community technology partner, Hardy took the lead in the planning, design and development of the Hardy AnchorRing proposal for area support with the objectives of resolving diversity and capacity constraints in the area, expanding broadband coverage, and expanding the quality and speed of services offered to anchor institutions, public safety, community organizations, and critical community facilities, and ultimatelty the community at large.

Many community leaders and representatives of the anchor institutions, schools, public safety, health care providers, government agencies, and economic development authority to be served



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under this proposal have written letters of support which are uploaded for this response.

# 42. Recovery Act and Other Governmental Collaboration.

Hardy Telecommunications has not applied for or received other Recovery Act funds or other state or federal development program funds such as Department of Energy, Department of Transportation and Department of Housing and Urban Development Recovery Act programs.

# **Community Involvement (BTOP Applicants Only)**

# 43. Partnering with Disadvantaged Businesses

No partnering at this time.

# 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)	372,859	372,859				
Outside Plant (cables, conduits, ducts, poles, towers, repeaters, etc.)	1,120,454	1,120,454				
Buildings and Land – (new construction, improvements, renovations, lease)	105,250	105,250				
Customer Premise Equipment (modems, set-top boxes, inside wiring, etc.)	33,453	33,453				
Billing and Operational Support Systems (IT systems, software, etc.)						
Operating Equipment	59,250	59,250				



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		•	•		
(vehicles, office equipment, other)					
Engineering/ Professional Services (engineering design, project management, consulting, etc.)	335,561	335,561			
Testing (network elements, IT system elements, user devices, test generators, lab furnishings, servers/computers, etc.)	8,433	8,433			
Site Preparation					
Other					
TOTAL BROADBAND SYSTEM	2,035,260	2,035,260			



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**Total Budget:** \$4,070,520

# 45. Detailed Budget:

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

# **Sustainability**

#### 46. Reasonableness

Hardy Anchor Ring spans 117 miles of 144-strand backbone ring fiber and lateral fiber, with 21 interconnection points on the ring, and direct fiber interconnections to serve 98 anchor institutions, public safety sites, government agencies, community support groups, and economic development/business industrial parks, at a total cost of \$4,070,520.66. The total cost to bring network diversity, redundancy, high capacity, and affordable services into the area for the first time, over a network with a useful life of over 30 years and virtually unlimited capacity, is most reasonable.

Hardy Telecommunications retained a professional services firm engaged in design, engineering, and project management services for clients across the U.S. The firm acts as an "owner's representative" for the Company, not as a materials vendor or construction/implementation contractor. The firm has reviewed the unit pricing below in light of material and service pricing for recent other clients deploying similar projects and finds the number of units and pricing to be reasonable. The firm has obtained competitive vendor quotes for many of the items. For selected items, the firm has obtained a quote and compared it to industry standard pricing or other manufacturers' pricing.

CATEGORY # UNITS UNIT PRICE ANALYSIS METHOD

Fiber Construction 617330.14 Feet \$3.63 Competitive Vendor Quotes

Network/Access

Equipment 21 Remote OLTs \$35,510.39 Vendor Quote Comparison to other Mfg. pricing

Operating Equipment 1 Splicing Rig \$43,500.00 Vendor Quote



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Comparison to other Mfg. pricing

1 Truck \$75,000.00 Vendor Quote

Comparison to other Mfg. pricing

Test Equipment 1 Fiber Tester \$16,866.00 Vendor Quote

Comparison to Industry Pricing

Buildings/Renovations 1 New Facility \$60,000.00 Vendor Quote

Comparison to Industry Pricing

1 New Facility \$61,000.00 Vendor Quote Comparison to Industry Pricing

1 Renovation \$43,500.00 Competitive Vendor Quote

1 Renovations \$46,000.00 Competitive Vendor Quote

Customer Equipment/

Installation 81 Locations \$ 826.00 Pricing is standard in industry

Professional Services 130 Weeks/7 empl. \$ 737.50 Pricing is average in industry

## **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

No outside funding commitments.



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## **BTOP Requirements**

## **52.** Matching Funds:

**a. Cash:** \$ 800,000.00 **b. In-Kind:** \$ 14,104.00

c. Percent of Total Project Cost: 20

#### 53. Demonstration of Financial Need:

Hardy Telecommunications, a nonprofit telephone cooperative, was formed by a grass roots initiative in 1953 to provide telephone service in Hardy County, which was deemed unprofitable by commercial service providers.

The Company, whose entire market is a sparsely populated, low density rural area, must depend on a small subscriber base from which to cover its administrative, marketing, and operating costs, and to recover cost of capital investment. When making decisions to deploy services in its market area, it must keenly weigh the costs relative to the low potential subscriber revenue necessary to operate the system, and it must operate as efficiently, but effectively, as possible.

Areas of the Company's low density marketplace must be served with long trunk lines to reach only a few subscribers. The cost of deploying services under these circumstances is high, especially in the rugged mountain terrain of the Eastern Potomac Highlands region of West Virginia, yet the Company and its Board remain deeply committed to providing high quality service to as much of the service area as possible - and at levels equal to or better than services deployed in urban areas of the U.S. Clearly, there are portions of the Company's serving area where doing so would be infeasible in view of the required long line deployment distance to reach only a few households. In addition, the capital cost of deploying a high-capacity, diverse backbone cannot be recovered through subsriber revenue alone.

Hardy Telecommunications has carefully considered the cost of maintaining and operating the Hardy AnchorRing Middle Mile fiber-optic ring in light of the critical need of the area for



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diversity, capacity, and affordability, and has a sustainable business plan to cover operating costs and leverage its existing facilities and resources to support the network, but cannot make the initial investment in infrastructure. But for the support of RUS or NTIA, this project would never get off the ground and the Hardy County area will have to continue to contend with lack of diversity and capacity, which is hampering the efficacy of economic development and Community Institutions in the area.

Hardy Telecommunications and its Board of Directors and community leaders all recognize the critical importance of telephone service and broadband service for all Americans, regardless of the fact that they reside in a rural area characterized by sparse population and low density. As a rural cooperative, the Company also recognizes that those small businesses and entrepreneurs who cannot obtain broadband will soon be forced to move to a location where they can because it is nearly impossible to conduct business without broadband today.

Some believe that those who live in rural areas made the choice to do so and should bear the consequences of slow or no access to broadband as a result of that decision. In fact, the majority of the citizens of Hardy County did not make that decision, their ancestors did. Some families in the area have roots in the area that go back many generations. One's rural birthplace should not be the criterion for whether broadband is available.

Hardy Telecommunications can and has operated sustainably and delivered telephone and broadband services in an area still deemed to be unprofitable by most other commercial service providers, but it cannot ensure that the area has reliable high capacity Middle Mile services in order for Hardy Telecommunications to serve the area, nor can it ensure that rural residents in hard to reach areas can be served, if its capital costs cannot be recovered- which would threaten the viability of the operation and leave many others without access. With public funding support, which will leverage the substantial resources and investment already made by the Company for over half a century, Hardy County rural Americans can be served on an equitable basis with urban areas of the U.S.

#### 54. Unjust Enrichment

Hardy Telecommunications has not applied for any Federal support for non-recurring costs in Hardy County, for which it is seeking an award under the BIP or BTOP programs.

## 55. Disclosure of Federal and/or State Funding Sources



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Hardy Telecommunications is the Incumbent Local Exchange Carrier in Hardy County and a Competitive Local Exchange Carrier.

In 2008, the Company received the following federal funding for its voice customers in Hardy County, West Virginia:

ILEC operations: \$648,432 CLEC operations: \$73,916

It should be noted that the Company's application for funding is for a Middle Mile network to create needed diversity and capacity in the region and to connect to Strategic Institutions to offer Broadband capacity at 100 Mbps symmetrical at inception. Hardy Telecommunications has not applied for BIP or BTOP funding to provide voice services, therefore USF funding received does not relate to this proposal.

# I. Self Scoring – BIP Only Self Scoring

## **56.** Self Scoring Sheet



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Criteria	Method	Points	Self Scores
PROJECT PURPOSE			
Proportion of Rural Residents Served in Unserved Areas	1 point for every 10,000 unserved households	Up to 5	0
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	5
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
PROJECT BENEFITS			
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	10
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
PROJECT VIABILITY		l	
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
PROJECT BUDGET AND SUSTAINABLITY			
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	1
<b>Total Points</b>		100	66



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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 head quarters West Virginia - 2

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

West Virginia - 2

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

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

**Proposed Funded Service Area Name:** 

Census Blocks in Proposed Funded Service Area:

**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 Community:** 



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**Total Population:** 

**Total Number of Households:** 

**Total Number of Businesses:** 

**Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities:** 

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

Middle Mile Span Name: Hardy AnchorRing

Census Blocks in Middle Mile Span: 9701 2009

9701 2012

9701 2015

9701 2016

9701 2023

9701 2024

9701 2026

9701 2020

9701 2028

7701 2020

9701 2029

9701 2030

9701 2032

9701 2033

9701 2034

9701 2035

9701 2036

9701 2048

9701 2050

9701 2055

9702 5003

9702 5004

9701 2036



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9701	1000
9701	1003
9701	1008
9701	1010
9701	1017
9701	1018
9701	1020
9701	1022
9701	1024
9701	1028
9701	1030
9701	1041
9701	1042
9701	1043
9701	1047
9702	1018
9702	1022
9702	1044
9702	1047
9702	1048
9702	2008
9702	2010
9702	2012
9702	2013
9702	2014
9702	2018
9702	2023
9702	3005
9702	4022
9702	4023
9703	2020
9703	2021
9703	2028
9703	2030



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9702	4023
9701	2036
9703	4015
9703	6028
9702	2018
9703	2038
9702	3000
9702	3020
9702	2037
9703	2011
9703	2022
9703	2028
9702	4007
9701	1000
9701	1006
9701	1012
9701	1017
9701	1070
9701	1071
9701	1072
9701	2002
9701	2003
9701	2004
9701	2064
9703	4012
9703	4014
9703	4044
9703	4045
9703	4047
9703	4048
9703	4049
9703	4050
9703	4051
9703	4056



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9703 4061

Last Mile Service Area Name: Baker

Community Name: Baker (Other Area)

Rural Calssification of the Community: Rural BIP – Service Status: Underserved

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

The rate of broadband subscribership for the census-designated community [or other area] is 40% of households or less.

BTOP - Service Status: Underserved

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

The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 19** 

**Total Population: 110** 

Total Number of Households: 47 Total Number of Businesses: 12

Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities: 8

Middle Mile Span Name: Hardy AnchorRing

Census Blocks in Middle Mile Span: 9701 2009

9701 2012

9701 2015

9701 2016

9701 2023

9701 2024

9701 2024

9701 2027

9701 2028

9701 2029



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9701	3038
9701	3039
9702	4013
9703	3092
9702	5069
9702	6035
9702	6042
9702	6043
9702	6044
9702	6046
9703	3013
9703	3020
9703	3024
9703	2005
9703	2007
9703	2008
9703	2009
9703	2011
9703	2031
9703	2033
9703	2034
9703	2035
9702	4012
9702	4023
9702	3005
9702	4009
9702	4011
9702	4032
9702	3001
9702	3003
9702	3004
9702	3005
9702	4030
9702	5048



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9703 4056 9703 4061

2004

9701

Last Mile Service Area Name: Arkansaw

Community Name: Arkansaw (Other Area)

Rural Calssification of the Community: Rural

BIP – Service Status: Underserved

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

The rate of broadband subscribership for the census-designated community [or other area] is 40% of households or less.

BTOP - Service Status: Underserved

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

The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 45** 

**Total Population: 554** 

Total Number of Households: 258 Total Number of Businesses: 3

**Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities: 2** 



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Middle Mile S	pan Name:	Hardy AnchorRing

Census Blocks in Middle Mile Span: 9701 2009

9701	2012
9701	2015
9701	2016
9701	2023
9701	2024
9701	2026
9701	2027
9701	2028
9701	2029
9701	2030
9701	2032
9701	2033
9701	2034

9701 2036

9701 2048 9701 2050

9701 2055

9701 2033 9702 5003

9702 5004

9701 2036

9701 2052 9701 2053

9701 2053 9701 2054

9701 2051

9701 2052

9702 5009

9702 5011 9702 5012

9702 5013

9702 5013

9702 5020



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Last Mile Service Area Name: Bean Settlement
Community Name: Bean Settlement

Rural Calssification of the Community: Rural BIP – Service Status: Underserved

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

The rate of broadband subscribership for the census-designated community [or other area] is 40% of households or less.

BTOP - Service Status: Underserved



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

The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 34** 

**Total Population: 115** 

Total Number of Households: 51 Total Number of Businesses: 2

Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities:

Middle Mile Span Name: Hardy AnchorRing

Census Blocks in Middle Mile Span: 9701 2009

2012

9701

9701 2034 9701 2035

9701 2036

9701 2048 9701 2050

9701 2050 9701 2055

9702 5003

9702 5004 9701 2036



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9701	1000
9701	1003
9701	1008
9701	1010
9701	1017
9701	1018
9701	1020
9701	1022
9701	1024
9701	1028
9701	1030
9701	1041
9701	1042
9701	1043
9701	1047
9702	1018
9702	1022
9702	1044
9702	1047
9702	1048
9702	2008
9702	2010
9702	2012
9702	2013
9702	2014
9702	2018
9702	2023
9702	3005
9702	4022
9702	4023
9703	2020
9703	2021
9703	2028
9703	2030



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9703 4061

Last Mile Service Area Name:CunninghamCommunity Name:CunninghamRural Calssification of the Community:RuralBIP – Service Status:Underserved

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

The rate of broadband subscribership for the census-designated community [or other area] is 40% of households or less.

BTOP - Service Status: Underserved

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

The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 4** 

**Total Population: 52** 

Total Number of Households: 17 Total Number of Businesses: 9

Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities:

Middle Mile Span Name: Hardy AnchorRing

Census Blocks in Middle Mile Span: 9701 2009

9701 2012

9701 2015

9701 2016

9701 2023

9701 2024

9701 2026

9701 2027

9701 2028

9701 2029



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9701	3038
9701	3039
9702	4013
9703	3092
9702	5069
9702	6035
9702	6042
9702	6043
9702	6044
9702	6046
9703	3013
9703	3020
9703	3024
9703	2005
9703	2007
9703	2008
9703	2009
9703	2011
9703	2031
9703	2033
9703	2034
9703	2035
9702	4012
9702	4023
9702	3005
9702	4009
9702	4011
9702	4032
9702	3001
9702	3003
9702	3004
9702	3005
9702	4030
9702	5048



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
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<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9703 4061

2004

9701

**Last Mile Service Area Name:** Dove Hollow **Dove Hollow Community Name:** Rural Calssification of the Community: Rural

Underserved

**BIP – Service Status:** 

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

The rate of broadband subscribership for the census-designated community [or other area] is 40% of households or less.

**BTOP - Service Status:** Underserved

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

The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 11** 

**Total Population: 68** 

**Total Number of Households: 26 Total Number of Businesses: 1** 

Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities:



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

Middle Mile S	pan Name:	Hardy AnchorRing

Census Blocks in Middle Mile Span: 9701 2009

	<b>Census Blocks in Middle Mile S</b>
9701	2012
9701	2015
9701	2016
9701	2023
9701	2024
9701	2026
9701	2027
9701	2028
9701	2029
9701	2030
9701	2032
9701	2033
9701	2034
9701	2035
9701	2036
9701	2048
9701	2050
9701	2055
9702	5003
9702	5004
9701	2036
9701	2052
9701	2053
9701	2054
9701	2051



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9701	1041
9701	1042
9701	1043
9701	1047
9702	1018
9702	1022
9702	1044
9702	1047
9702	1048
9702	2008
9702	2010
9702	2012
9702	2013
9702	2014
9702	2018
9702	2023
9702	3005
9702	4022
9702	4023
9703	2020
9703	2021
9703	2028
9703	2030
9703	2033
9703	2036
9703	3013
9703	3015
9703	3016
9703	3017
9703	3018
9703	3019
9703	3021
9703	3023
9701	2036



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

Last Mile Service Area Name: Durgen
Community Name: Durgen
Rural Calssification of the Community: Rural
BIP – Service Status: Underserved

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

The rate of broadband subscribership for the census-designated community [or other area] is 40% of households or less.

BTOP - Service Status: Underserved



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

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

The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 24** 

**Total Population: 441** 

Total Number of Households: 170 Total Number of Businesses: 2

Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities: 1

### Middle Mile Span Name: Hardy AnchorRing

Census Blocks in Middle Mile Span: 9701 2009

- 9701 2012
- 9701 2015
- 9701 2016
- 9701 2023
- 9701 2024
- 9701 2026
- 9701 2020
- 9701 2028
- 2020
- 9701 2029 9701 2030
- 2020
- 9701 2032
- 9701 2033
- 9701 2034 9701 2035
- 9701 2036
- 2030
- 9701 2048
- 9701 2050
- 9701 2055
- 9702 5003
- 9702 5004
- 9701 2036



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9701	1000
9701	1003
9701	1008
9701	1010
9701	1017
9701	1018
9701	1020
9701	1022
9701	1024
9701	1028
9701	1030
9701	1041
9701	1042
9701	1043
9701	1047
9702	1018
9702	1022
9702	1044
9702	1047
9702	1048
9702	2008
9702	2010
9702	2012
9702	2013
9702	2014
9702	2018
9702	2023
9702	3005
9702	4022
9702	4023
9703	2020
9703	2021
9703	2028
9703	2030



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
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<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9703 4061

Last Mile Service Area Name: Fisher
Community Name: Fisher
Rural Calssification of the Community: Rural
BIP – Service Status: Underserved

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

The rate of broadband subscribership for the census-designated community [or other area] is 40% of households or less.

BTOP - Service Status: Underserved

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

The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 11** 

**Total Population: 29** 

Total Number of Households: 10 Total Number of Businesses: 2

Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities: 1

Middle Mile Span Name: Hardy AnchorRing

Census Blocks in Middle Mile Span: 9701 2009

9701 2012

9701 2015

9701 2016

9701 2023

2023

9701 2024 9701 2026

9701 2027

9701 2028

9701 2029



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9701	3038
9701	3039
9702	4013
9703	3092
9702	5069
9702	6035
9702	6042
9702	6043
9702	6044
9702	6046
9703	3013
9703	3020
9703	3024
9703	2005
9703	2007
9703	2008
9703	2009
9703	2011
9703	2031
9703	2033
9703	2034
9703	2035
9702	4012
9702	4023
9702	3005
9702	4009
9702	4011
9702	4032
9702	3001
9702	3003
9702	3004
9702	3005
9702	4030
9702	5048



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9701	3038
9701	3042
9701	3043
9701	3087
9701	3100
9701	3106
9701	3115
9701	3116
9701	3117
9702	4013
9702	4015
9702	4016
9702	4023
9701	2036
9703	4015
9703	6028
9702	2018
9703	2038
9702	3000
9702	3020
9702	2037
9703	2011
9703	2022
9703	2028
9702	4007
9701	1000
9701	1006
9701	1012
9701	1017
9701	1070
9701	1071
9701	1072
9701	2002
9701	2003



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9703 4061

2004

9701

Last Mile Service Area Name:Fort RunCommunity Name:Fort RunRural Calssification of the Community:RuralBIP – Service Status:Underserved

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

The rate of broadband subscribership for the census-designated community [or other area] is 40% of households or less.

BTOP - Service Status: Underserved

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

The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 7** 

**Total Population: 2** 

Total Number of Households: 1 Total Number of Businesses:

Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities:



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

	Middle Mile Span Name: Hardy Census Blocks in Middle Mile Span:	AnchorRing 9701	2009
9701	2012	7701	2007
9701	2015		
9701	2016		
9701	2023		
9701	2024		
9701	2026		
9701	2027		
9701	2028		
9701	2029		
9701	2030		
9701	2032		
9701	2033		
9701	2034		
9701	2035		
9701	2036		
9701	2048		
9701	2050		
9701	2055		
9702			
9702			
9701	2036		
9701	2052		
9701	2053		
9701	2054		
9701	2051		
9701	2052		
9702			
9702			
9702			
9702	5013		

9702 5014 9702 5020 9702 5021



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9701	1041
9701	1042
9701	1043
9701	1047
9702	1018
9702	1022
9702	1044
9702	1047
9702	1048
9702	2008
9702	2010
9702	2012
9702	2013
9702	2014
9702	2018
9702	2023
9702	3005
9702	4022
9702	4023
9703	2020
9703	2021
9703	2028
9703	2030
9703	2033
9703	2036
9703	3013
9703	3015
9703	3016
9703	3017
9703	3018
9703	3019
9703	3021
9703	3023
9701	2036



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

Helmick Rock **Community Name: Helmick Rock** 

Rural Calssification of the Community: Rural **BIP – Service Status:** Underserved

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

The rate of broadband subscribership for the census-designated community [or other area] is 40% of households or less.

**BTOP - Service Status:** Underserved



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

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

The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 21** 

**Total Population: 425** 

9701

2052

**Total Number of Households: 197 Total Number of Businesses: 2** 

**Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities: 4** 

# Middle Mile Span Name: Hardy AnchorRing Congress Photography Middle Mile Span 19701

	<b>Census Blocks in Middle Mile Span:</b>	9701	2009
9701	2012		
9701	2015		
9701	2016		
9701	2023		
9701	2024		
9701	2026		
9701	2027		
9701	2028		
9701	2029		
9701	2030		
9701	2032		
9701	2033		
9701	2034		
9701	2035		
9701	2036		
9701	2048		
9701	2050		
9701	2055		
9702	5003		
9702	5004		
9701	2036		



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
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<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9701	1000
9701	1003
9701	1008
9701	1010
9701	1017
9701	1018
9701	1020
9701	1022
9701	1024
9701	1028
9701	1030
9701	1041
9701	1042
9701	1043
9701	1047
9702	1018
9702	1022
9702	1044
9702	1047
9702	1048
9702	2008
9702	2010
9702	2012
9702	2013
9702	2014
9702	2018
9702	2023
9702	3005
9702	4022
9702	4023
9703	2020
9703	2021
9703	2028
9703	2030



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9703 4061

Last Mile Service Area Name: Jemina Hollow
Community Name: Jemina Hollow

Rural Calssification of the Community: Rural BIP – Service Status: Underserved

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

The rate of broadband subscribership for the census-designated community [or other area] is 40% of households or less.

BTOP - Service Status: Underserved

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

The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 10** 

**Total Population: 163** 

Total Number of Households: 93 Total Number of Businesses:

Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities:

Middle Mile Span Name: Hardy AnchorRing

Census Blocks in Middle Mile Span: 9701 2009

9701 2012

9701 2015

9701 2016

9701 2023

9701 2024

9701 2026

9701 2027

9701 2028

9701 2029



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9701	3038
9701	3042
9701	3043
9701	3087
9701	3100
9701	3106
9701	3115
9701	3116
9701	3117
9702	4013
9702	4015
9702	4016
9702	4023
9701	2036
9703	4015
9703	6028
9702	2018
9703	2038
9702	3000
9702	3020
9702	2037
9703	2011
9703	2022
9703	2028
9702	4007
9701	1000
9701	1006
9701	1012
9701	1017
9701	1070
9701	1071
9701	1072
9701	2002
9701	2003



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9703 4056 9703 4061

2004

9701

Last Mile Service Area Name: Kessel
Community Name: Kessel
Rural Calssification of the Community: Rural
BIP – Service Status: Underserved

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

The rate of broadband subscribership for the census-designated community [or other area] is 40% of households or less.

BTOP - Service Status: Underserved

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

The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 7** 

**Total Population: 67** 

Total Number of Households: 25 Total Number of Businesses: 1

Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities: 1



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

N	Aiddle Mile Span Name:	Hardy A	AnchorRing	
	<b>Census Blocks in Middle Mile S</b>	Span:	9701	2009
9701	2012			
9701	2015			
9701	2016			
9701	2023			
9701	2024			
9701	2026			
9701	2027			
9701	2028			
9701	2029			
9701	2030			
9701	2032			
9701	2033			
9701	2034			
9701	2035			
9701	2036			
9701	2048			
9701	2050			
9701	2055			
9702	5003			
9702	5004			
9701	2036			
9701	2052			
9701	2053			
9701	2054			
9701	2051			
9701	2052			
9702	5009			
9702	5011			
9702	5012			
9702	5013			
9702	5014			
9702	5020			



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9701	1041
9701	1042
9701	1043
9701	1047
9702	1018
9702	1022
9702	1044
9702	1047
9702	1048
9702	2008
9702	2010
9702	2012
9702	2013
9702	2014
9702	2018
9702	2023
9702	3005
9702	4022
9702	4023
9703	2020
9703	2021
9703	2028
9703	2030
9703	2033
9703	2036
9703	3013
9703	3015
9703	3016
9703	3017
9703	3018
9703	3019
9703	3021
9703	3023
9701	2036



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

Last Mile Service Area Name: Lost City
Community Name: Lost City
Rural Calssification of the Community: Rural
BIP – Service Status: Underserved

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

The rate of broadband subscribership for the census-designated community [or other area] is 40% of households or less.

BTOP - Service Status: Underserved



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

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

The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 11** 

**Total Population: 155** 

Total Number of Households: 67 Total Number of Businesses: 9

Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities: 1

Middle Mile Span Name: Hardy AnchorRing

Census Blocks in Middle Mile Span: 9701 2009

9701 2012

9701 2015

9701 2016

9701 2023

2023

9701 2024

9701 2026

9701 2027

9701 2028

9701 2029

9701 2030

9701 2032

9701 2033

9701 2034

9701 2035

9701 2036

9701 2048

9701 2050

9701 2055

9702 5003

9702 5004

9701 2036



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
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<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



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<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
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<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
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<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9703 4061

Last Mile Service Area Name:Lost RiverCommunity Name:Lost RiverRural Calssification of the Community:RuralBIP – Service Status:Underserved

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

The rate of broadband subscribership for the census-designated community [or other area] is 40% of households or less.

BTOP - Service Status: Underserved

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

The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 24** 

**Total Population: 418** 

Total Number of Households: 189 Total Number of Businesses: 6

Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities:

Middle Mile Span Name: Hardy AnchorRing

Census Blocks in Middle Mile Span: 9701 2009

9701 2012

9701 2015

9701 2016

9701 2023

9701 2024

9701 2026

9701 2027

9701 2028

9701 2029



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9701	3038
9701	3039
9702	4013
9703	3092
9702	5069
9702	6035
9702	6042
9702	6043
9702	6044
9702	6046
9703	3013
9703	3020
9703	3024
9703	2005
9703	2007
9703	2008
9703	2009
9703	2011
9703	2031
9703	2033
9703	2034
9703	2035
9702	4012
9702	4023
9702	3005
9702	4009
9702	4011
9702	4032
9702	3001
9702	3003
9702	3004
9702	3005
9702	4030
9702	5048



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9701	1006
9701	1007
9701	1008
9701	1009
9701	1012
9701	2061
9701	2062
9701	2064
9701	2065
9701	2066
9701	2067
9701	2073
9701	1000
9701	1003
9701	1008
9701	1010
9701	1017
9701	1018
9701	1020
9701	1022
9701	1024
9701	1028
9701	1030
9701	1041
9701	1042
9701	1043
9701	1047
9702	1018
9702	1022
9702	1044
9702	1047
9702	1048
9702	2008
9702	2010



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
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<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
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<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

2004

9701

9703 4051

9703 4056

9703 4061

**Last Mile Service Area Name:** Mathias Mathias **Community Name:** Rural Calssification of the Community: Rural **BIP – Service Status:** Underserved

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

The rate of broadband subscribership for the census-designated community [or other area] is 40% of households or less.

**BTOP - Service Status:** Underserved

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

The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 21** 

**Total Population: 280** 

**Total Number of Households: 120 Total Number of Businesses: 8** 

Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities: 7



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

Middle Mile S	pan Name:	Hardy AnchorRing

Census Blocks in Middle Mile Span: 9701 2009

9701	2012
9701	2015
9701	2016
9701	2023
9701	2024
9701	2026
9701	2027
9701	2028
9701	2029
9701	2030
9701	2032
9701	2033
9701	2034

9701 2036

9701 2048

9701 2050 9701 2055

9701 2033 9702 5003

9702 5004

9701 2036

9701 2052

9701 2053

9701 2054 9701 2051

9701 2052

9702 5009

9702 5011

9702 5012

9702 5013

9702 5014 9702 5020



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
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<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
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<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



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<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

Last Mile Service Area Name: McCauley
Community Name: McCauley
Rural Calssification of the Community: Rural
BIP – Service Status: Underserved

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

The rate of broadband subscribership for the census-designated community [or other area] is 40% of households or less.

BTOP - Service Status: Underserved



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

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

The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 11** 

**Total Population: 349** 

**Total Number of Households: 136 Total Number of Businesses: 1** 

Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities:

Middle Mile Span Name: Hardy AnchorRing

**Census Blocks in Middle Mile Span:** 



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Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



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<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



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Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
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<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9702	4023
9701	2036
9703	4015
9703	6028
9702	2018
9703	2038
9702	3000
9702	3020
9702	2037
9703	2011
9703	2022
9703	2028
9702	4007
9701	1000
9701	1006
9701	1012
9701	1017
9701	1070
9701	1071
9701	1072
9701	2002
9701	2003
9701	2004
9701	2064
9703	4012
9703	4014
9703	4044
9703	4045
9703	4047
9703	4048
9703	4049
9703	4050
9703	4051
9703	4056



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9703 4061

Last Mile Service Area Name:MoorefieldCommunity Name:MoorefieldRural Calssification of the Community:RuralBIP - Service Status:Underserved

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

The rate of broadband subscribership for the census-designated community [or other area] is 40% of households or less.

BTOP - Service Status: Underserved

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

The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 49** 

**Total Population: 1,141** 

Total Number of Households: 571 Total Number of Businesses: 128

Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities: 65

Middle Mile Span Name: Hardy AnchorRing

Census Blocks in Middle Mile Span: 9701 2009

9701 2012

9701 2015

9701 2016

9701 2023

9701 2024

9701 2026

9701 2027

9701 2028

9701 2029



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9701	1006	
9701	1007	
9701	1008	
9701	1009	
9701	1012	
9701	2061	
9701	2062	
9701	2064	
9701	2065	
9701	2066	
9701	2067	
9701	2073	
9701	1000	
9701	1003	
9701	1008	
9701	1010	
9701	1017	
9701	1018	
9701	1020	
9701	1022	
9701	1024	
9701	1028	
9701	1030	
9701	1041	
9701	1042	
9701	1043	
9701	1047	
9702	1018	
9702	1022	
9702	1044	
9702	1047	
9702	1048	
9702	2008	
9702	2010	



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

2004

9701

9703 4050 9703 4051

9703 4056

9703 4061

Last Mile Service Area Name:NeedmoreCommunity Name:NeedmoreRural Calssification of the Community:RuralBIP – Service Status:Underserved

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

The rate of broadband subscribership for the census-designated community [or other area] is 40% of households or less.

BTOP - Service Status: Underserved

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

The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 37** 

**Total Population: 165** 

Total Number of Households: 54 Total Number of Businesses: 4

Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities: 1



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

Middle Mile S	pan Name:	Hardy AnchorRing

**Census Blocks in Middle Mile Span:** 

9701	2012
9701	2015
9701	2016
9701	2023
9701	2024
9701	2026
9701	2027
9701	2028
9701	2029
9701	2030
9701	2032
9701	2033
9701	2034



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9701	1041
9701	1042
9701	1043
9701	1047
9702	1018
9702	1022
9702	1044
9702	1047
9702	1048
9702	2008
9702	2010
9702	2012
9702	2013
9702	2014
9702	2018
9702	2023
9702	3005
9702	4022
9702	4023
9703	2020
9703	2021
9703	2028
9703	2030
9703	2033
9703	2036
9703	3013
9703	3015
9703	3016
9703	3017
9703	3018
9703	3019
9703	3021
9703	3023
9701	2036



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

Last Mile Service Area Name: Old Fields
Community Name: Old Fields
Rural Calssification of the Community: Rural
BIP – Service Status: Underserved

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

The rate of broadband subscribership for the census-designated community [or other area] is 40% of households or less.

BTOP - Service Status: Underserved



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

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

The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 46** 

**Total Population: 330** 

Total Number of Households: 118 Total Number of Businesses: 1

Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities: 1

Middle Mile Span Name: Hardy AnchorRing

Census Blocks in Middle Mile Span: 9701 2009

9701 2012

9701 2015

9701 2016

9701 2023

2023

9701 2024

9701 2026

9701 2027

9701 2028

9701 2029

9701 2030

9701 2032

7101 2032

9701 2033

9701 2034 9701 2035

0701 2026

9701 2036

9701 2048 9701 2050

9701 2055

9702 5003

9702 5004

9102 300<del>4</del>

9701 2036



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9703 4061

Last Mile Service Area Name:State ParkCommunity Name:State ParkRural Calssification of the Community:RuralBIP – Service Status:Underserved

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

The rate of broadband subscribership for the census-designated community [or other area] is 40% of households or less.

BTOP - Service Status: Underserved

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

The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 10** 

**Total Population: 84** 

Total Number of Households: 36 Total Number of Businesses: 1

Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities:

Middle Mile Span Name: Hardy AnchorRing

Census Blocks in Middle Mile Span: 9701 2009

9701 2012

9701 2015

9701 2016

9701 2023

9701 2024

9701 2026

9701 2027

9701 2028

9701 2029



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
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<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

4051

9703 4056

2004

9701

9703

9703 4061 **Last Mile Service Area Name:** Rio Rio **Community Name:** 

Rural Calssification of the Community: Rural

**BIP - Service Status:** Underserved

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

The rate of broadband subscribership for the census-designated community [or other area] is 40% of households or less.

**BTOP - Service Status:** Underserved

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

The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 2** 

**Total Population: 32** 

**Total Number of Households: 8 Total Number of Businesses: 3** 

Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities: 1



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

Middle Mile	Span Name:	Hardy AnchorRing

N	Middle Mile Span Name:		AnchorRing	
	<b>Census Blocks in Middle Mile S</b>	Span:	9701	2009
9701	2012			
9701	2015			
9701	2016			
9701	2023			
9701	2024			
9701	2026			
9701	2027			
9701	2028			
9701	2029			
9701	2030			
9701	2032			
9701	2033			
9701	2034			
9701	2035			
9701	2036			
9701	2048			
9701	2050			
9701	2055			
9702	5003			
9702	5004			
9701	2036			
9701	2052			
9701	2053			
9701	2054			
9701	2051			
9701	2052			
9702	5009			
9702	5011			
9702	5012			
9702	5013			
9702	5014			
9702	5020			



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
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<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9701	1041
9701	1042
9701	1043
9701	1047
9702	1018
9702	1022
9702	1044
9702	1047
9702	1048
9702	2008
9702	2010
9702	2012
9702	2013
9702	2014
9702	2018
9702	2023
9702	3005
9702	4022
9702	4023
9703	2020
9703	2021
9703	2028
9703	2030
9703	2033
9703	2036
9703	3013
9703	3015
9703	3016
9703	3017
9703	3018
9703	3019
9703	3021
9703	3023
9701	2036



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



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Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

Last Mile Service Area Name: Sugar Camp Hollow Community Name: Sugar Camp Hollow

Rural Calssification of the Community: Rural BIP – Service Status: Underserved

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

The rate of broadband subscribership for the census-designated community [or other area] is 40% of households or less.

**BTOP - Service Status:** Underserved



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

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

The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 12** 

**Total Population: 131** 

**Total Number of Households: 51 Total Number of Businesses:** 

Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities:

#### Middle Mile Span Name: Hardy AnchorRing

**Census Blocks in Middle Mile Span:** 



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9701	1000
9701	1003
9701	1008
9701	1010
9701	1017
9701	1018
9701	1020
9701	1022
9701	1024
9701	1028
9701	1030
9701	1041
9701	1042
9701	1043
9701	1047
9702	1018
9702	1022
9702	1044
9702	1047
9702	1048
9702	2008
9702	2010
9702	2012
9702	2013
9702	2014
9702	2018
9702	2023
9702	3005
9702	4022
9702	4023
9703	2020
9703	2021
9703	2028
9703	2030



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9702	4023
9701	2036
9703	4015
9703	6028
9702	2018
9703	2038
9702	3000
9702	3020
9702	2037
9703	2011
9703	2022
9703	2028
9702	4007
9701	1000
9701	1006
9701	1012
9701	1017
9701	1070
9701	1071
9701	1072
9701	2002
9701	2003
9701	2004
9701	2064
9703	4012
9703	4014
9703	4044
9703	4045
9703	4047
9703	4048
9703	4049
9703	4050
9703	4051
9703	4056



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9703 4061

Last Mile Service Area Name: Taylor
Community Name: Taylor
Rural Calssification of the Community: Rural
BIP – Service Status: Underserved

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

The rate of broadband subscribership for the census-designated community [or other area] is 40% of households or less.

BTOP - Service Status: Underserved

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

The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 10** 

**Total Population: 40** 

Total Number of Households: 16 Total Number of Businesses: 2

Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities:

Middle Mile Span Name: Hardy AnchorRing

Census Blocks in Middle Mile Span: 9701 2009

9701 2012

9701 2015

9701 2016

9701 2023

9701 2024

9701 2026

9701 2027

9701 2028

9701 2029



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9701	3038
9701	3039
9702	4013
9703	3092
9702	5069
9702	6035
9702	6042
9702	6043
9702	6044
9702	6046
9703	3013
9703	3020
9703	3024
9703	2005
9703	2007
9703	2008
9703	2009
9703	2011
9703	2031
9703	2033
9703	2034
9703	2035
9702	4012
9702	4023
9702	3005
9702	4009
9702	4011
9702	4032
9702	3001
9702	3003
9702	3004
9702	3005
9702	4030
9702	5048



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



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Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9701	1006
9701	1007
9701	1008
9701	1009
9701	1012
9701	2061
9701	2062
9701	2064
9701	2065
9701	2066
9701	2067
9701	2073
9701	1000
9701	1003
9701	1008
9701	1010
9701	1017
9701	1018
9701	1020
9701	1022
9701	1024
9701	1028
9701	1030
9701	1041
9701	1042
9701	1043
9701	1047
9702	1018
9702	1022
9702	1044
9702	1047
9702	1048
9702	2008
9702	2010



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
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<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9703 4061

Last Mile Service Area Name: Tom Williams Hollow
Community Name: Tom Williams Hollow

Rural Calssification of the Community: Rural BIP – Service Status: Underserved

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

The rate of broadband subscribership for the census-designated community [or other area] is 40% of households or less.

BTOP - Service Status: Underserved

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

The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 1** 

**Total Population: 9** 

Total Number of Households: 3
Total Number of Businesses:

Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities:



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
Funding Opportunity: Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

	Middle Mile Span Name:	Hardy	AnchorRing	
	Census Blocks in Middle	Mile Span:	9701	2009
9701	2012			
9701	2015			
9701	2016			
9701	2023			
9701	2024			
9701	2026			
9701	2027			
9701	2028			
9701	2029			
9701	2030			



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
<b>Funding Opportunity</b> : Broadband Initiatives Program and Broadband Technology Opportunities Program	Applicant Organization: Hardy Telecommunications, Inc.
<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman



<b>Submitted Date:</b> 8/20/2009 3:22:42 PM	Easygrants ID: 1303
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9701	1041
9701	1042
9701	1043
9701	1047
9702	1018
9702	1022
9702	1044
9702	1047
9702	1048
9702	2008
9702	2010
9702	2012
9702	2013
9702	2014
9702	2018
9702	2023
9702	3005
9702	4022
9702	4023
9703	2020
9703	2021
9703	2028
9703	2030
9703	2033
9703	2036
9703	3013
9703	3015
9703	3016
9703	3017
9703	3018
9703	3019
9703	3021
9703	3023
9701	2036



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Last Mile Service Area Name: Wardensville
Community Name: Wardensville
Rural Calssification of the Community: Rural

BIP – Service Status: Underserved

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

The rate of broadband subscribership for the census-designated community [or other area] is 40% of households or less.

BTOP - Service Status: Underserved



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

The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 7** 

**Total Population: 46** 

Total Number of Households: 22 Total Number of Businesses: 49

Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities: 5

Middle Mile Span Name: Hardy AnchorRing

Census Blocks in Middle Mile Span: 9701 2009

9701 2012

9701 2015

9701 2016

9701 2023

9701 2024

7/01 202<del>4</del>

9701 2026

9701 2027

9701 2028

9701 2029

9701 2030

9701 2032

9701 2033

9701 2034

9701 2035

9701 2036

9701 2048

9701 2050

9701 2055

9702 5003

9702 5004

9701 2036



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9701	1000
9701	1003
9701	1008
9701	1010
9701	1017
9701	1018
9701	1020
9701	1022
9701	1024
9701	1028
9701	1030
9701	1041
9701	1042
9701	1043
9701	1047
9702	1018
9702	1022
9702	1044
9702	1047
9702	1048
9702	2008
9702	2010
9702	2012
9702	2013
9702	2014
9702	2018
9702	2023
9702	3005
9702	4022
9702	4023
9703	2020
9703	2021
9703	2028
9703	2030



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9703 4061

Last Mile Service Area Name: Whetzel Hollow Community Name: Whetzel Hollow

Rural Calssification of the Community: Rural BIP – Service Status: Underserved

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

The rate of broadband subscribership for the census-designated community [or other area] is 40% of households or less.

BTOP - Service Status: Underserved

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

The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 24** 

**Total Population: 281** 

Total Number of Households: 117 Total Number of Businesses: 4

Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities:

Middle Mile Span Name: Hardy AnchorRing

Census Blocks in Middle Mile Span: 9701 2009

9701 2012

9701 2015

9701 2016

9701 2023

9701 2024

9701 2026

9701 2027

9701 2028

9701 2029



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<b>Task:</b> Submit Application - Infrastructure Programs	Applicant Name: Mr. David Scott Sherman

9701	3038
9701	3039
9702	4013
9703	3092
9702	5069
9702	6035
9702	6042
9702	6043
9702	6044
9702	6046
9703	3013
9703	3020
9703	3024
9703	2005
9703	2007
9703	2008
9703	2009
9703	2011
9703	2031
9703	2033
9703	2034
9703	2035
9702	4012
9702	4023
9702	3005
9702	4009
9702	4011
9702	4032
9702	3001
9702	3003
9702	3004
9702	3005
9702	4030
9702	5048



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9701	3038
9701	3042
9701	3043
9701	3087
9701	3100
9701	3106
9701	3115
9701	3116
9701	3117
9702	4013
9702	4015
9702	4016
9702	4023
9701	2036
9703	4015
9703	6028
9702	2018
9703	2038
9702	3000
9702	3020
9702	2037
9703	2011
9703	2022
9703	2028
9702	4007
9701	1000
9701	1006
9701	1012
9701	1017
9701	1070
9701	1071
9701	1072
9701	2002
9701	2003



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9703 4061

Last Mile Service Area Name:Pine RidgeCommunity Name:Pine RidgeRural Calssification of the Community:RuralBIP – Service Status:Underserved

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

The rate of broadband subscribership for the census-designated community [or other area] is 40% of households or less.

**BTOP - Service Status:** Underserved

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

The rate of broadband subscribership for the proposed funded service area is 40% of households or less.

**Total Square Miles of Service Area: 4** 

**Total Population: 154** 

Total Number of Households: 89 Total Number of Businesses: 5

Total Number of Critical Community Facilities, Anchor Institutions and Public Safety Entities:



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# 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 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.