

Submitted Date: 3/26/2010 7:51:45 PM	Easygrants ID: 5354
Funding Opportunity: Broadband Technology Opportunities Program	Applicant Organization: BEND CABLE COMMUNICATIONS, LLC
Task: Submit Application - BTOP	Applicant Name: Melanie Grandjacques

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A. General Application Information

Applicant Information	
Name and Federal ID for Applicant	
DUNS Number	830534082
CCR # (CAGE)	5KP82
Legal Business Name	BEND CABLE COMMUNICATIONS, LLC
Point of Contact (POC)	THOMAS H. PALMER
	5416834511
	Ext.
	tpalmer@bendbroadband.net
Alternate POC	KATHY TURNER
	5413885822
	Ext.
	kturner@bendbroadband net
Electronic Business POC	KATHY TURNER
	5413885822
	Ext.
	kturner@bendbroadband net
Alternate Electronic Business	KATHY TURNER
POC	5413885822
	Ext.
	kturner@bendbroad.net

Name and Contact Information of Person to be Contacted on Matters Involving this Application:	
Prefix	
First Name	Melanie
Middle Name	
Last Name	Grandjacques
Suffix	
Telephone Number	541-312-6561



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Fax Number	
Email	mgrandjacques@bendbroadband.net
Title	

Additional Contact Information of Person to be Contacted on Matters Involving this Application:

Project Role	Name	Phone	Email
Secondary Point of Contact	Mr.	5419480074	fmiller@bendbr
	Frank, Miller		oadband.net

Environmental Point of Contact

Prefix:

Name: Miller, Frank

Suffix

Telephone Number: 5419480074

Title: CTO

Organization Classification	
Type of Organization	For-profit Entity
Is the organization a small business?	No
Does the organization meet the definition of a socially and economically disadvantaged small business concern?	No

Authorized Organizational Representative	
AOR Name	H. PALMER, THOMAS



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Result	Applicant Authorized

Project Title and Project Description

Project Title: Central Oregon Fiber Alliance

Project Description: Central Oregon Fiber Alliance bringing High Capacity Middle Mile Optical Rings to Connect Underserved Communities and Provide Affordable Optical Capacity to Community Anchors and Businesses.

CCI Priority Checklist

The following items were selected from the CCI Priority Checklist:

- 1. This project will deploy Middle Mile broadband infrastructure to community anchor institutions.
- 2. The project will deploy Middle Mile broadband infrastructure and has incorporated a public-private partnership among government, non-profit and for-profits entities, and other key community stakeholders.
- 3. This project will deploy Middle Mile broadband infrastructure in economically distressed areas.
- 4. This project will deploy Middle Mile broadband infrastructure to community colleges.
- 5. This project will deploy Middle Mile broadband infrastructure to public safety entities.
- 6. This project will deploy Middle Mile broadband infrastructure and either includes a Last Mile infrastructure component in unserved or underserved areas or has received commitments from one or more Last Mile broadband service providers to utilize the Middle Mile components. Any Last Mile components in rural areas do not exceed 20% of the total eligible costs of the project.
- 7. This project will deploy Middle Mile broadband infrastructure and the applicant has proposed to contribute 30 percent or more in non-federal cost match.

Comprehensive Community Infrastructure Components

The following items were selected from the Comprehensive Community Infrastructure Components:

Middle Mile



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BIP Applicants

Have you also applied to BIP for funding in the sample proposed funded service area?

No

If Yes, please provide the project title and Easygrants ID number:

Title of Joint BIP Application:

Easygrants ID:

Other Applications

Is this application being submitted in coordination with any other application being submitted during this round of funding?

> No

Easygrants ID	Project Title

If YES, please explain any synergies and/or dependencies between this project and any other applications.

Individual Background Screening

Is the Applicant exempt from the Department of Commerce requirements regarding individual background screening in connection with any award resulting from this Application?

➤ No, Applicant is subject to these requirements

If the answer to the above question is "No," please identify each key individual associated with the Applicant who would be required to complete Form CD-346, "Applicant for Funding Assistance," in connection with any award resulting from this Application:

Name	Title	Employer
Amy C Tykeson	Chair and President	Bend Cable Communications, LLC (BendBroadband)



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Donald E Tykeson	Vice Chair	Bend Cable Communications, LLC (BendBroadband)
John Farwell	Vice President	Bend Cable Communications, LLC (BendBroadband)
Frank Miller	Vice President	Bend Cable Communications, LLC (BendBroadband)
Melanie Grandjacques	Vice President	Bend Cable Communications, LLC (BendBroadband)

B. Executive Summary, Project Purpose and Benefits

Essay Question

Executive Summary of the proposed project:

At the heart of Central Oregon, there is an island of broadband opportunity. The City of Bend, now the largest city in Oregon east of the Cascades, has emerged as a technology oasis as a result of the foresight and investment of its locally-owned cable operator, BendBroadband. BendBroadband has always been a small operator with big plans. It was the first cable operator in Oregon to offer cable modem service in 1997, and at the close of 2008 it became the first traditional cable operator in the continental United States to deploy a fully-digital network. An even bigger first in 2009, it launched the fastest wireless broadband service in the United States. Its HSPA+ wireless protocol has demonstrated lab speeds of up to 21 mbps downstream and 5.6 mbps upstream, and is positioned for a seamless upgrade path to Long Term Evolution (LTE) with potential future capacity of 100 mbps.

BendBroadband's investments have fueled economic diversity and opportunity in its Bend area footprint, but the surrounding areas of Central Oregon lack adequate middle mile broadband connectivity to this oasis, to each other, and to the Internet beyond. The four underserved communities of Madras, Prineville, Sunriver and La Pine have joined together with



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BendBroadband and key health, educational, public safety, and business development partners to form the Central Oregon Fiber Alliance, a public-private partnership, to propose a Comprehensive Community Infrastructure plan that will bring sustainable, reliable and scalable broadband to regional anchor institutions and business in underserved areas across Deschutes, Crook and Jefferson Counties.

Compared to most BTOP awards in the first round, this project is small in dollars requested, but not in ambition. It would create a comprehensive, regional 40 Gbs fiber ring infrastructure spanning an area nearly the size of New Jersey. Using this ring, the Project delivers all seven of the CCI priority criteria. Every major community anchor location and business district would be connected with the ability to purchase 100 mbps or even 1 Gbs services, at rates far lower than are currently available from the stagnant incumbent telephone company, if they are even available at all. The establishment of ubiquitous connectivity to a survivable 40 Gbs fiber ring as the backbone between these communities and the Internet will set a foundation for sustainability, economic growth and job creation.

Using 2000 census data, the project will pass a population of 201,191 over three counties in addition to the cities of La Pine, Prineville, Sunriver and Madras. The largest city, according to the 2000 census data, is Prineville with a population of 8,908. The counties covered by this project encompass 7,797 Square Miles with a population density of 26 persons per square mile. While some of the areas have some minimal last-mile and middle-mile services, the current broadband architecture does not provide cost effective bandwidth needed for key anchor tenants and business development.

Bandwidth intensive solutions will be dependent upon each anchor tenant with a service capacity up to 1Gbs symmetric. For instance, telemedicine to regional, state and national health providers will be empowered by the Central Oregon Fiber Alliance initiative. For the community college it becomes feasible to provide distance education from the main college campus to rural campuses across the three county region. For the schools in Madras, connectivity for distance education to the state Virtual Classrooms enables specialized classes from the virtual multimedia archive. Finally, for economic development, this project will fund passive optical networks (PON) to each locality's business sector and business park with affordable capacity up to 100Mbs. There will be decades of value for the region with this investment across the Central Oregon Fiber Alliance.



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BendBroadband subscribes to and supports NTIA's policies of non-discrimination and open interconnection. Currently, BendBroadband peers with multiple regional and state Internet providers in a non-discriminatory fashion to create the best possible regional network at many regional and state interconnection points.

BendBroadband would
and Gigabit Ethernet over Passive Optical Networks (GePON). These technologies brings cost effective enhancements for scalability to optical middle-mile investment with speeds by the terabits per second. This solution provides the best-of-breed solutions for performance, reliability and scalability in the optical middle-mile network that matches best practices of long-haul network transit providers worldwide.

With the largest fiber construction and maintenance team in the tri-county region, BendBroadband is the logical choice to build and maintain this regional fiber initiative for the Central Oregon Fiber Alliance. BendBroadband brings at minimum a decade of data transport experience to the region and is proud to be a key partner in creating the data transport foundation for the 21st century. BendBroadband has years of experience in middle-mile and last-mile fiber transport.

The total project costs will be \$6.3M. BendBroadband will fund of 30% of the project cost for a match of \$1.9M. The construction of the network will keep 14 fiber technicians fully employed for over a year and will create two full time, permanent BendBroadband positions.



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The project will create 59 full time positions for the duration of the build. We estimate that 115 permanent jobs will be created as a result of the improved regional connectivity.

BendBroadband firmly believes in bringing state of the art and affordable optical transport to our region as part of the Central Oregon Fiber Alliance. This grant will lay the data transport foundation for the region, for decades to come, for health, education, public safety and economic development. The proposed optical infrastructure is key not only to Central Oregon but to the entire State of Oregon as the state makes efforts to build the infrastructure needed for the 21st century and overcome stubborn unemployment.

Project purpose:

Over the last decade, it has become readily apparent that the lack of affordable broadband capacity has become a hindrance to our regional municipal, health, educational and business development partners.

The ILEC is hindered with legacy SONET based transport that is mileage sensitive, of inadequate capacity and too expensive for implementation to rural constituents. There have also been some regional initiatives for 'home brew' optical transport solutions, but these are 'spec' built to a regional site without reasonable sustainability, viable revenue stream for operational maintenance and continual investment, and finally literally a 'bridge to nowhere' as fiber penetration is just too expensive for small regional players to sustain.

As a regional Multiple Systems Operato (MSO), BendBroadband is uniquely positioned to deploy a sustainable optical broadband product as a partner in the Central Oregon Fiber Alliance. This project would provide a 40 Gbs regional fiber backbone for carrier-grade, survivable, data transport for medical, educational, municipal and business customers between Madras, Prineville, Sunriver and La Pine.

This project, if funded, is scalable and provides a foundation for technical viability that will span decades. For example, with upgrades to each optical component we can significantly expand service capacity. Also, BendBroadband will review more GePON expansion, with focus on economic development and dependent upon take rate, in each business community. The proposed funded service area is underserved based upon the FCC's High-Speed Services for Internet Access report issued February 10, 2010 and the underlying data subsequently released as "Census Tract Information Mapped in High-Speed Services for Internet Access Report." This official FCC data shows that six of the eight census tracts within Jefferson and Crook Counties



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are underserved according to BTOP definitions because the adoption of broadband is less than 40%.

The FCC report is based upon its bi-annual collection of information through Form 477 from all wireline and wireless broadband end-user service providers. Data is reported for each speed tier in each census tract, enabling the FCC to publish precise estimates of broadband penetration based upon the BTOP definitions, in time for round two of the stimulus program.

For instance, the cost for bandwidth is reduced by a factor of eight, with utilization of the technology to be funded by this proposed project instead of relying on existing ILEC based SONET capacity.

Recovery Act and Other Governmental Collaboration:

Not Applicable.

Fit with BTOP CCI Priorities:

The Project delivers all seven of the CCI priority criteria:

(1) It will deploy middle-mile broadband infrastructure with a commitment to offer new service to 25 community anchor institution locations, many of which have provided letters of support expressing a demand and need for the services the project would deliver. BendBroadband will offer discounts of at least 25% on lit services to these community anchors, many of which have emphasized a need for lower cost services than are currently available.

Committed anchor institutions include:

- o Health —
 o K12 Education —
 o Community College —
 o Municipalities / Public Safety —
- o Non-Profit Job Training and Placement –
- (2) The Central Oregon Fiber Alliance is a public-private partnership between an experienced private service provider and key government, health, education, public safety and other community organizations who have expressed a demand or need for the improved broadband that the project would deliver;



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(3) The project will bolster growth in "economically distressed areas." Jefferson and Crook counties have some of the highest unemployment numbers in the United States at 12.3% and 14.5%.
(4) The Project will deploy middle-mile broadband infrastructure with a commitment to serve , whose support letter demonstrates a demand and need for
support for service to a that would be delivered by the project;
(5) The Project will deploy middle-mile broadband infrastructure to
(6) BendBroadband has committed to use the Project's middle-mile broadband infrastructure to support its new last-mile wireless broadband service in underserved areas reached by the project BendBroadband in 2009 launched the fastest wireless internet product in the United States. This project would enable us to deploy greater capacity to our cell towers which positions our wireless product to deliver 4G speeds. (7) BendBroadband has committed to contribute more than 30 percent of the total eligible costs of the project.
Is the applicant seeking a waiver of the Buy American provision pursuant to section x.Q of the NOFA?
No.

Is the applicant deliquent on any federal debt?

> No

If Yes, justification for deliquency:

Are you seeking a waiver of any requirement set forth in the NOFA that is not mandated by statute or applicable law?

Is the applicant a current recipient of a grant or loan from RUS?

> No

C. Partners



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Are you partnering with any other key institutions, organizations, or other entities for this project?

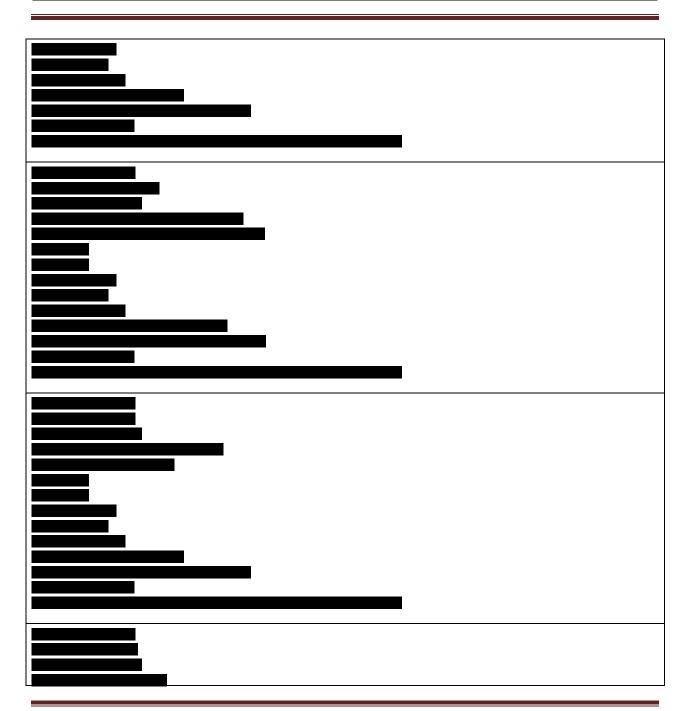
Yes

If YES, key partners are listed below:



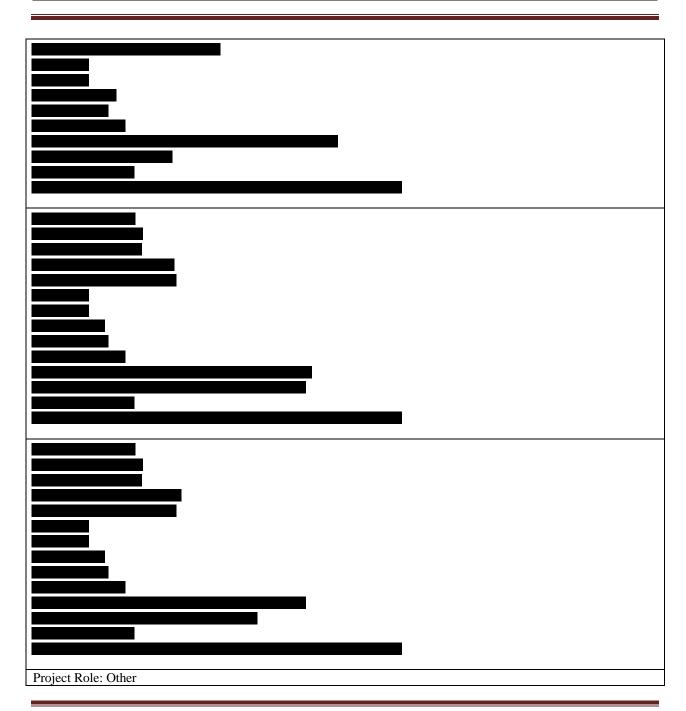


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Description of the involvement of the partners listed above in the project.

The Central Oregon Fiber Alliance deems our partners as integral to the success of the adoption of the project.

Our partners are participating in the following:

- -Provided input to the network design
- -Committed to purchasing services once complete
- -Provide guidance to the community and business organizations on availability and adoption



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D. Congressional Districts

	_		
Applicant	Headq	uarters	

Oregon

Project Service States

Oregon

Project Service Areas

Oregon - 2

Will any portion of your proposed project serve federally recognized tribal entities?

> No

Indicate each federally recognized tribal entity your proposed project will serve.

Have you consulted with each of the federally recognized tribal entities identified above?

> No

E. Service Area Details

Is the applicant seeking a waiver for providing less than 100% coverage of a service area?

> No

Project Details



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Service Area Type: Middle Mile

Service Area Name:

Rural Classification of the Last Mile Service Area: Rural

Service Status of the Last Mile Service Area:

Underserved

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 in Service Area: 1

Total Population in Proposed Service Area: 121
Total Number of Households in Service Area: 47
Total Number of Businesses in Service Area: 271

Total Number of Community Anchor Institutions and Public Safety Entities in Proposed Funded Service

Area: 2
Unemployment Rate in the Service Area: 12
Median Income in the Service Area: 29,103

Estimated Percentage of Households with Access to Broadband: 40 Estimated Percentage of Households Subscribing to Broadband: 40

Service Area Type: Middle Mile Service Area Name:

Rural Classification of the Last Mile Service Area: Rural

Service Status of the Last Mile Service Area: Underserved

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 in Service Area: 1

Total Population in Proposed Service Area: 823
Total Number of Households in Service Area: 287
Total Number of Businesses in Service Area: 271

Total Number of Community Anchor Institutions and Public Safety Entities in Proposed Funded Service

Area:

Unemployment Rate in the Service Area: 12



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Median Income in the Service Area: 29,103

Estimated Percentage of Households with Access to Broadband: 30 Estimated Percentage of Households Subscribing to Broadband: 30

Service Area Type: Middle Mile

Service Area Name:

Rural Classification of the Last Mile Service Area: Rural

Service Status of the Last Mile Service Area: Underserved

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 in Service Area: 2

Total Population in Proposed Service Area: 615
Total Number of Households in Service Area: 202
Total Number of Businesses in Service Area: 271

Total Number of Community Anchor Institutions and Public Safety Entities in Proposed Funded Service

Area:

Unemployment Rate in the Service Area: 12 Median Income in the Service Area: 29,103

Estimated Percentage of Households with Access to Broadband: 20 Estimated Percentage of Households Subscribing to Broadband: 20

Service Area Type: Middle Mile

Service Area Name:

Rural Classification of the Last Mile Service Area: Rural

Service Status of the Last Mile Service Area: Served

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

Total Square Miles in Service Area: 1

Total Population in Proposed Service Area: 216
Total Number of Households in Service Area: 93
Total Number of Businesses in Service Area: 244



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Total Number of Community Anchor Institutions and Public Safety Entities in Proposed Funded Service

Area: **Unemployment Rate in the Service Area:** 13 Median Income in the Service Area: 29,859

Estimated Percentage of Households with Access to Broadband: 50 **Estimated Percentage of Households Subscribing to Broadband: 50**

Service Area Type: Middle Mile

Service Area Name:

Rural Classification of the Last Mile Service Area: Rural

Service Status of the Last Mile Service Area: Served

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

Total Square Miles in Service Area:

Total Population in Proposed Service Area: 25 Total Number of Households in Service Area: 12 **Total Number of Businesses in Service Area:** 244

Total Number of Community Anchor Institutions and Public Safety Entities in Proposed Funded Service

Area:

Unemployment Rate in the Service Area: 13 **Median Income in the Service Area:** 29,859

Estimated Percentage of Households with Access to Broadband: 50 Estimated Percentage of Households Subscribing to Broadband:

Service Area Type: Middle Mile

Service Area Name:

Rural Classification of the Last Mile Service Area: Rural

Service Status of the Last Mile Service Area: Underserved

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 in Service Area: 1



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Total Population in Proposed Service Area: 98
Total Number of Households in Service Area: 45
Total Number of Businesses in Service Area: 490

Total Number of Community Anchor Institutions and Public Safety Entities in Proposed Funded Service

Area: 1
Unemployment Rate in the Service Area: 15
Median Income in the Service Area: 30,435

Estimated Percentage of Households with Access to Broadband: 40 Estimated Percentage of Households Subscribing to Broadband: 40

Service Area Type: Middle Mile

Service Area Name:

Rural Classification of the Last Mile Service Area: Rural

Service Status of the Last Mile Service Area: Served

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

Total Square Miles in Service Area: 1

Total Population in Proposed Service Area: 165
Total Number of Households in Service Area: 60
Total Number of Businesses in Service Area: 490

Total Number of Community Anchor Institutions and Public Safety Entities in Proposed Funded Service

Area: 7
Unemployment Rate in the Service Area: 15
Median Income in the Service Area: 30,435

Estimated Percentage of Households with Access to Broadband: 50 Estimated Percentage of Households Subscribing to Broadband: 50

Service Area Type: Middle Mile

Service Area Name: Prineville Hospital

Rural Classification of the Last Mile Service Area: Rural

Service Status of the Last Mile Service Area: Served

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



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Total Square Miles in Service Area: 1

Total Population in Proposed Service Area: 5
Total Number of Households in Service Area: 5
Total Number of Businesses in Service Area: 490

Total Number of Community Anchor Institutions and Public Safety Entities in Proposed Funded Service

Area: 1
Unemployment Rate in the Service Area: 15
Median Income in the Service Area: 30,435

Estimated Percentage of Households with Access to Broadband: 50 Estimated Percentage of Households Subscribing to Broadband: 50

Service Area Type: Middle Mile

Service Area Name:

Rural Classification of the Last Mile Service Area: Rural

Service Status of the Last Mile Service Area: Underserved

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 in Service Area: 1

Total Population in Proposed Service Area: 1,098
Total Number of Households in Service Area: 399
Total Number of Businesses in Service Area: 490

Total Number of Community Anchor Institutions and Public Safety Entities in Proposed Funded Service

Area:

Unemployment Rate in the Service Area: 15
Median Income in the Service Area: 30,435

Estimated Percentage of Households with Access to Broadband: 20 Estimated Percentage of Households Subscribing to Broadband: 20

Service Area Type: Middle Mile

Service Area Name:

Rural Classification of the Last Mile Service Area: Rural

Service Status of the Last Mile Service Area: Served



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

Total Square Miles in Service Area: 2

Total Population in Proposed Service Area: 44
Total Number of Households in Service Area: 24
Total Number of Businesses in Service Area: 224

Total Number of Community Anchor Institutions and Public Safety Entities in Proposed Funded Service

Area: 4
Unemployment Rate in the Service Area: 13
Median Income in the Service Area: 29,859

Estimated Percentage of Households with Access to Broadband: 50 Estimated Percentage of Households Subscribing to Broadband: 50

F. Community Anchor Summary

Community Anchor Summary	
Schools (k-12)	3
Libraries	4
Medical and Healthcare Providers	2
Public Safety Entities	8
Community Colleges	1
Public Housing	0
Other Institutions of Higher Education	0
Other Community Support Organization	4
Other Government Facilities	3
TOTAL COMMUNITY ANCHOR	25



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INSTITUTIONS	
Historically Black colleges and Universities	0
Tribal Colleges and Universities	0
Alaska Native Serving Institutions	0
Hispanic Serving Institutions	1
Native Hawaiian Serving Institutions	0
TOTAL MINORITY SERVING INSTITUTIONS	1

G. Project Benefits

Demographics

Jobs	
How many direct jobs-years will be created from this project?	16
How many indirect jobs will be created from this project?	22
How many jobs will be induced from this project?	21

Methodology used to estimate jobs:

We used the U.S. Council of Economic Advisors report on the "Estimates of Job Creation from the American Recovery and Reinvestment Act of 2009." The report states that "estimates for the job-years created by direct government spending indicate that it takes approximately \$92,000 of spending to create one job-year." Of the \$92,000 estimate, 64% of the jobs are direct and indirect, while the remaining 36% are induced. Following this formula, COFA will result in 38 direct and indirect jobs (\$5,420,051 overall project cost divided by \$92,000, times 64%). The COFA project will result in the creation of 21 induced jobs within the project area (\$5,420,051 overall project cost divided by \$92,000, times 36%).



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Within the "Estimating the Economic Impact of the Broadband Stimulus Plan" study, the Columbia Business School attempted to determine the levels of employment to be created as a result of the network externalities enabled by the deployment of broadband infrastructure. The study used a conservative national estimate of jobs and estimated that 136,000 jobs will be created nationwide from the investment of \$6.390 billion in broadband stimulus funding. By applying this study's ratio of investment to job creation, we estimate an additional 115 jobs will be created long term in rural Central Oregon as a result of this project. In total 174 jobs will be created, we estimate that COFA will bring 59 jobs during the project timeline and an additional 115 jobs in the long term.

Project Impact:

The Central Oregon Fiber Alliance (COFA) includes

The cities have partnered with BendBroadband to propose a network investment that would a) deliver a 40 Gigabit, redundant regional backbone ring for carrier-grade, survivable, data transport for medical, educational, municipal and business customers between Madras, Prineville, La Pine and Sunriver and b) provide direct fiber connections with up to 1 gigabit per second symmetric capacity to community anchor institutions and businesses that have expressed a demand and need for access or improved access to broadband service. But the surrounding areas of Central Oregon lack adequate middle mile broadband connectivity to this oasis, to each other, and to the Internet beyond.

The proposed project would address the need for increased middle mile broadband capacity that is reliable and affordable.

BendBroadband to propose a network investment that would deliver a 40 Gigabit, redundant regional backbone ring for carrier-grade, survivable, data transport for medical, educational, municipal and business customers between Madras, Prineville, La Pine and Sunriver, as well as direct fiber connections with up to 1 gigabit per second symmetric capacity to community anchor institutions and businesses that have expressed a demand and need for access or improved access to broadband service. This 21st century fiber deployment would bring equivalent middle-mile data capabilities to Central Oregon as are found in urban areas. The capital cost associated with this project is not feasible without grant funding.

BendBroadband has an existing Point of Presence at each locality that is provisioned with up to 600Mbs of licensed microwave and provides housing for the BendBroadband's wireless mobile data service. These POPs will provide an interconnection point with other broadband service



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providers desiring higher capacity and affordable solutions for transport out of the area. BendBroadband will meet or exceed the BTOP CCI NOFA's non-discrimination and interconnection obligations.

The proposed grant funds the regional fiber rings to Madras, Prineville and La Pine and active termination at each of the key anchor tenants. This instantly brings the middle-mile backbone fiber capacity, of the region, to 40Gbs (with scalability over time to 80Gbs) and provides end termination of key anchor tenants with initial capacity up to 1Gbs with the ability to scale up to 10Gbs. BendBroadband firmly believes in bringing state of the art and affordable optical transport to our community. With this in mind, BendBroadband would fund 10% above the 20% match for \$1.9MM out of a \$6.3MM build.

This grant will set the regional data transport foundation for health, education, public safety and economic development for decades to come. The proposed optical infrastructure is key not only to Central Oregon but to the entire state of Oregon as the state makes efforts to build the infrastructure needed for the 21st century.

Vulnerable Populations:

For the past 20 years the Central Oregon region of Crook, Deschutes and Jefferson counties has been the fastest growing region in the state of Oregon. This population growth has been fueled, for the most part, by urban area growth within Bend and Redmond. These urbanized economies have weathered the economic downturn in better shape than their neighboring rural counterparts. Less populated, rural communities have struggled to overcome the increased unemployment rates and levels of job loss over the past five years.

The communities of La Pine, Madras, Prineville and Sunriver have been designated as distressed by the Oregon Business Development Department in 2009 due to sustained unemployment rates significantly higher than the national average. The Oregon Employment Department publishes the unemployment rates at the County level. Current seasonally adjusted unemployment numbers for Crook, Deschutes and Jefferson Counties:

US Unemployment Rate, January 2010: 10.6%

Crook County (Prineville) Unemployment Rate, January: 15.9%

Deschutes County (La Pine, Sunriver) Unemployment Rate, January: 13.4%

Jefferson County (Madras) Unemployment Rate, January: 13.4%



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These Central Oregon communities also have disproportionally high populations of the following vulnerable populations:

Hispanic Population:

Jefferson County (Madras) Hispanic as a percentage of population: 17.7%

US average of Hispanic as a percentage of population: 12.5%

Source: US Census, 2000

Elderly Population:

Crook County (Prineville), percentage of percentage of population over the age of 65: 14.7% Deschutes County (La Pine, Sunriver), percentage of population over the age of 65: 13.1%

US percentage of population over the age of 65: 12.4%

Source: US Census, 2000

Disabled Population:

Percentage of La Pine population that is disabled: 26% Percentage of Oregon population that is disabled: 17%

Source: US Census, 2000

Poverty:

Jefferson County (Madras) estimated poverty rate: 16.4%

US estimated poverty rate: 13.2%

Source: US Census Bureau, Small Area Income and Poverty Estimates, 2008

Level of Need:

Capacity and affordability does not currently exist to transport data for a majority of anchor tenants in Madras, La Pine, Prineville and Sunriver Oregon. This is a direct impediment to economic development, health, education and public safety initiatives sought by these 'outlying' cities of Central Oregon. These community anchor tenants are challenged to cost effectively transport data above a T-1 speeds from these cities to areas outside of the region or back into Bend and Redmond. Creation of a foundational, optical transport architecture that is protocol neutral, scalable, affordable and reliable will provide value for decades to come.

Currently, the only solution available for middle-mile for the overall majority of community anchor tenants in the proposed funded service areas are traditional TDM and SONET based solutions that are costly and mileage sensitive. These solutions are offered by either the regional



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ILEC or small regional CLECs. As an example,
Unemployment within Central Oregon currently ranges between 14-16%, some of the highest rates within the state and nearly double the national average. Expanded access to affordable,
high-capacity broadband will provide immediate benefits to economic development for small
and medium businesses.

The lack of affordable and capable middle-mile infrastructure is prohibitive to economic development. For example,

There are a few examples of entrepreneurial 'specialty' builds in the regions but these solutions are limited by a high cost of entry for an anchor institution without true regional coverage with slow speeds. Finally, these solutions are not scalable for capacity and do not contain a sustainable business model.

Job loss has been significant over the past few years in these areas. The City of Madras within Jefferson County has experienced a change to economic conditions due to the restructuring of industrial firms and the loss of a major employer. The Central Oregon region's largest private employer is Bright Wood, a secondary wood products manufacturer located in Madras. Bright Wood has experienced a 60% reduction in sales from February 2008 to February 2009, and has reduced workforce from 1,094 in April 2007, to 473 workers in April 2009. The reductions experienced at Brightwood constitute a high percentage of the county's overall loss of 5,650 jobs (as of February, 2009).

Culver's Seaswirl Boats closed in 2007, eliminating 143 manufacturing jobs. The Jefferson County School District laid off 30 employees in 2008. Additional retail and commercial closures in 2008 and 2009 include: Parr Lumber (13 employees), Radio Shack, The Stag



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restaurant, Burger Works, World of Treasures, Raining Fresh Daisies, The Apple Peddler, The Grind, and WeBeGames.

Similarly, Prineville has faced significant job loss. The primary wood products mills that historically fueled the Crook County economy closed during the 1990's. According to the Bend Bulletin, in the period from 1990 to 1998, Crook County lost 28% of its timber and wood products jobs (at a time where the county's population grew by about 36%). The last two mills closed in 2001, eliminating over 100 additional jobs. The Les Schwab headquarters moved from Crook County to Bend in 2008, resulting in the loss of 320 jobs. The Crook County economy is in transition, and is seeking a focus on alternative energy, data centers, warehouse distribution, and back office operations.

Broadband capacity and connectivity is critical for these distressed communities as they seek to transition their economies from resource-based to 21st century industry.

H. Technology

Technology Type

Indicate the technology that will be used to deliver last mile services. The following items were selected:

Wireline - Fiber-optic Cable

Other:

Technology Questions

Methodology for Area Status:

The data for determining underserved areas is based upon on the FCC's High-Speed Services for Internet Access report issued February 10, 2010 and the underlying data subsequently released as "Census Tract Information Mapped in High-Speed Services for Internet Access Report." The FCC report is based upon its bi-annual collection of information through Form 477 from all wireline and wireless broadband end-user service providers. Data is reported for each speed tier in each census tract, enabling the FCC to publish precise estimates of broadband penetration based upon the BTOP definitions. This official FCC data shows that both Jefferson and Crook Counties measured as a whole are underserved, with between 20-40% broadband adoption. Each



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county has four census tracts, and in each case one tract has less than 20% adoption, two are between 20-40%, and one each is between 40-60%, as follows:

Census Tract Adoption

41013950100 (Crook County Census Tract 9501)	40-60%
41013950200 (Crook County Census Tract 9502)	Less than 20%
41013950300 (Crook County Census Tract 9503)	20-40%
41013950400 (Crook County Census Tract 9504)	20-40%
41031960100 (Jefferson County Census Tract 9601)	Less than 20%
41031960200 (Jefferson County Census Tract 9602)	20-40%
41031960300 (Jefferson County Census Tract 9603)	40-60%
41031960400 (Jefferson County Census Tract 9604)	20-40%

Five of the ten proposed funded service areas are within census tracts that the FCC has indicated as underserved. It should be noted, though, that the proposed regional fibr ring is capable of and expected to support last-mile services throughout underserved Jefferson and Crook Counties, and not solely within the geographically small proposed funded service areas where middle mile construction will occur. BendBroadband therefore respectfully submits that funding for all ten proposed service areas would further broadband adoption in underserved areas.

Description of Network Openness:

BendBroadband will meet or exceed the NOFA's non-discrimination and interconnection obligations, as follows:

Operation – BendBroadband is solely responsible for operation of the network as a commercial service provider of network (Internet and Private) transport.

Interconnection - BendBroadband will offer physical interconnection with requesting parties' to points-of-presence in existing BendBroadband exchange points and to BTOP funded points-of-presence in LaPine, Sunriver, Madras and Prineville for the exchange of traffic and connection to the "public Internet". Such interconnection arrangements are subject to: (1) technical feasibility and compliance with any requirements of any third-party controlling the facility at which interconnection occurs; (2) BendBroadband's current or reasonably anticipated capacity limits;



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and (3) mutual agreement on reasonable rates and terms to be negotiated in good faith. BendBroadband will submit to private binding arbitration of disputes regarding these interconnection obligations.

Nondiscrimination and Network management - BendBroadband does not apply any traffic prioritization or Deep Packet Inspection (DPI) of Internet traffic, and will not favor any lawful Internet applications or content subject to the following network management practices. The company forecasts for capacity and engineers for a best-effort customer Internet experience. Best engineering practices remove contention during peak usage. For example, a distributed denial-of-service robot, while not illegal, could be managed so that it does not hinder the performance for others using the shared network.

BendBroadband will post, via link on the customer website, a summary of network and system management practices before launch of the Central Oregon Fiber Alliance network. Customers will be notified of significant changes to system management practices.

BendBroadband will adhere to the principles of the FCC's Broadband Policy Statement (FCC 05-151):

- 1) Consumers are entitled to access the lawful Internet content of their choice. BendBroadband will provide access to the public Internet to any customer without discrimination and thus BendBroadband managed networks are not a "private closed network."
- 2) Consumers are entitled to run applications and use services of their choice, subject to the needs of law enforcement. BendBroadband has CALEA certification and certified LI infrastructure.
- 3) Consumers are entitled to connect their choice of certified legal devices that do not harm the network.
- 4) Consumers are entitled to competition among network, application, service and content providers. BendBroadband will expand consumer choice for reliable, fast and cost competitive broadband.

System Design:

The proposed project would address the need for increased middle mile broadband capacity that is reliable and affordable for key anchor institutions and businesses. Several Central Oregon Fiber Alliance anchor tenants have partnered with BendBroadband to propose a network investment that would deliver a 40 Gigabit, redundant regional backbone ring for carrier-grade,



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survivable, data transport. This ring would support medical, educational, municipal and business customers between Madras, Prineville and La Pine, as well as direct fiber connections with up to 1 gigabit per second symmetric capacity to community anchor shared fiber institutions. It would also create a shared fiber connection to businesses that have expressed a demand and need for access or improved access to broadband service.

With the largest regional fiber construction and maintenance team, BendBroadband is the logical choice to build and maintain this regional fiber initiative. BendBroadband brings years of data transport experience to the region and is proud to be key partners in the region in creating the data transport foundation for the 21st century. This investment provides sufficient capacity to support the region well into the next decade.

BendBroadband would deploy

point-of-presence and anchor tenants and Gigabit Ethernet over Passive Optical Networks (GePON). The combination of these technologies brings cost effective futures for optical middle-mile transport from the largest enterprise to the small business.

This ecosystem is comprised of three key components: Middle-Mile intra-city fiber rings, dedicated fiber laterals to anchor institutions and finally shared fiber passive optical networks (GePON) to key business service areas and business enterprise zones.

The ringed "redundant backbone" infrastructure will be comprised of termination of

and scaling between existing points-of-presence at
each city (La Pine, Prineville, Sunriver and Madras). The initial backbone capacity will be
40Gbs between points-of-presence in each city with multiple termination options at the point-of
presence and at the anchor tenant.
The solutions are
mutually inclusive. For example, a health system could use this architecture to transport middle



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mile Ethernet transport, distribute a Storage Array Network for business continuity to a regional data center and transport native SONET voice trunks to a traditional PBX.

- -The business service areas and business enterprise zones would utilize GePON termination devices that can provide from Mbs up to 1 Gbs of transport to the end business. The cost for entry for GePON is lower and brings the value proposition of fiber to the business (FTTB) that is tailored to the needs of the smaller and medium businesses.
- -This project would create open fiber ring topologies to Madras and Prineville and closed fiber ring topologies to La Pine and Sunriver.

Currently, the following infrastructure exists for the Central Oregon Fiber Alliance project:

- -Full Autonomous System (AS) control to three different Tier 1 providers (360, Level3 and Qwest) with access to Seattle, Portland and Salt Lake City over different fiber builds) for Internet.
- -Regional Network Operations Center with tertiary power, redundant HVAC, full fire suppression and telemetry for availability to 24/7 operations staff in Bend, Oregon.
- -1 Gbs footprint for peering at the main Oregon Network Access Point in downtown Portland, Oregon.
- -Fiber ring between Bend, Redmond and Sisters with a single fiber lateral to Prineville.
- -Points-of-Presence in Madras, La Pine, Prineville and Sunriver. The Madras, La Pine and Sunriver Points-of-Presence are currently connected via 600Mbs microwave backhaul. The Prineville point-of-presence is connected via a single fiber lateral and provisioned with traditional Gigabit Ethernet. All points-of-presence have redundant power, HVAC and telemetry.

termination gear would be placed at existing points-of-presence in La Pine, Prineville, Madras and Sunriver and provide a point of interconnection along with existing peering points in the Central Oregon region.

This investment will provide over a decade of capacity and scalability while creating a 21st century optical freeway for Central Oregon:

-Optical Rings –	
	This upgrade is not in the scope of this grant.



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-Anchor Tenants – The	termination devices at anchor institutions are also scalable.
	This upgrade is not in the scope
of the grant.	
-Business - The GePON termina	tion devices can terminate up to 1Gbs.

This upgrade is not in the scope of the grant.

All proposed services will deliver "5 nines" for service reliability. The transport pricing is the same pricing found in the served communities and provides an affordable outlook for regional anchors tenants and businesses.

Is the applicant seeking a waiver pursuant to section IX.C of the NOFA so as to sell or lease portions of the award-funded broadband facilities during their life?

No

I. Project Budget

Project Budget		
	Federal Grant Request	Match
Last Mile	0	0
Middle Mile	4,418,765	1,893,757
Total	4,418,765	1,893,757

Project Budget Total: \$6,312,522

Match Percent: 30.0%

Projects Outside Recommended Funding Range:

Outside Leverage	
Applicant is providing matching funds of at least	Yes



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20% towards the total eligible project costs?	
Matching cost detail	
Unjust enrichment	No, we have not applied for any Federal support for non-recurring costs in the area of the award.
Disclosure of federal and/or state funding sources	We do not receive any federal or state funding related to this application.
Budget reasonableness	BendBroadband's proposal is based upon many years of fiber construction and engineering as the leading provider of telecommunication services in Central Oregon. The total project cost of \$6.31 million will provide data transport capacity, reliability and scalability for over a decade in the region and will bring parity in capacity with cost for Central Oregon comparable to well serviced technology cores in the United States. Our fiber lateral build pricing, at \$30k/mile, is along with usual and customary in the industry. Also, our rural PON activation costs at \$1,824 per drop are comparable to rural activation figures in the industry Fiber Construction The fiber construction costs are based upon decades of BendBroadband experience in regional fiber construction, adjusted for 'prevailing wage' requirements, per Davis-Bacon wage rates, for program funding. The forecast amount of \$30K/mile is within usual and customary expectations in the industry. Network Transport Capital The pricing for optical network equipment for the backbone, fiber laterals to community anchor tenants and business parks/areas are based upon existing purchasing experience and current negotiations with vendors. This provides a reasonable framework for pricing for



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	the RFP process.
Demonstration of need	BendBroadband requires a 17% Internal Rate of Return to justify capital improvements. Without any funding assistance, this project shows a -1% IRR and a NPV (using 15% Cost of Capital) of (\$4,978,011), clearly out of range of consideration. Even with BTOP funding of 70% (\$4,418,765), the project shows only a 11.8% IRR and NPV of (\$559,246), still below benchmarks, but a result the company is willing to accept because of benefit to the communities involved.

Funds to States/Territories

States	Amount of Federal Grant Request	
Oregon	4,418,765	

Funds to States/Territories Total: \$4,418,765

J. Historical Financials

Matching Funds				
	2007	2008	2009	
Revenue				
Expenditures				
Net Assets				
Change in Net Assets from Prior Year				
Bond Rating (if applicable)				

K. Project Readiness

BTOP Organizational Readiness



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BendBroadband has already deployed 267 miles of middle mile infrastructure throughout Central Oregon. Our most recent middle mile fiber extension in 2008 was a build from Bend to Prineville.

The company currently operates a broadband network servicing approximately 43,000 residential and business customers in the cities of Bend, Redmond, Sisters and Prineville as well as unincorporated areas of Deschutes County, Oregon. We also operate a wireless network of 18 towers with approximately 600 wireless customers. BendBroadband offers a full range of residential and business services.

BendBroadband is entirely local and staffed with over 200 employees covering all operational functions (construction, installation/service, customer care and technical support, sales, marketing, network operations, billing and MIS). To complete the project within the specified timeframe, we will hire two full time construction employees and supplement this with contracted resources.

Although a small operator, BendBroadband is nationally recognized within the cable industy as an innovative and highly effective market leader. The company was first in Oregon to introduce high speed cable modem service 12 years ago and in 2008 was the first cable system in the continental United States to eliminate all analog channels and become fully digital. Its CEO Amy Tykeson is the only small operator representative to currently serve on the Boards of both CableLabs and the National Cable & Telecommunications Association.

BendBroadband incorporates formal project management discipline in the execution of new service launches, utilizing a cross functional team representing all impacted business areas. This ensures that provisioning, network elements, billing, customer care and other operational requirements are addressed and integrated before the introduction of new services or technology.

Following are the specific impacts of the Central Oregon Fiber Alliance project by functional area:

Engineering and Construction:

The engineering team has already created maps of the proposed routes to the management team for approval.

Business Services:



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We have a strong business services sales team including a fiber sales specialist. Within the last two years, we have doubled our business fiber customers.

Back-Office Systems:

We will not be adding any new back-office systems for this project. Our current provisioning and billing systems are fully capable of supporting the addition of these new areas.

Marketing & Sales:

A combination of marketing and business services and leveraging our current partnerships will be used to create awareness, facilitate adoption and realize sales in these additional areas.

Construction and Vendor Contracts

Contractors:

We will be utilizing 95% contract labor and 5% inhouse labor to facilitate the building of these projects.

Once the funding is awarded, we will engage in the agreement process. This process is usual and customary for us as we have experience in building middle mile infrastructure. Contractor selection will be performed using a bid process and will be awarded. Upon project approval, we will initiate the bid process. We currently have the following contractors to engage in the bid process:

1.				
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We will acquire 100% of the equipment and materials from vendors to complete this project. The following are a list of vendors that we are able to utilize to ensure competitive pricing:



Customer Base

The Central Oregon Fiber Alliance has proposed middle mile infrastructure to support four main areas:

1) Madras 2) Prineville 3)La Pine and 4) Sunriver to bolster their community anchor tenants and provide the infrastructure to lure companies for continued economic development. These areas are also part of BendBroadband's recent launch of wireless HSPA+ residential and small business service in the same areas. This build will benefit broadband adoption in these low density, predominately underserved areas. To date, we have approximately 600 wireless residential or small business customers.

Licenses, Regulatory Approvals and Agreements

After many years of cable plant construction, BendBroadband has extensive experience successfully working with the licensing and permitting entities in Central Oregon. Only a few of the entities involved with the proposed project will be new for us. Following is a summary of the entities that may apply to one or more of our service areas:

- US Forest Service (USFS) Obtained permits in the past, six to twelve months to obtain.
- Bureau of Land Management (BLM) Obtained permits in the past, up to six months.



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- Oregon Department of State Lands Will need to apply. We have no prior history with this entity.
- Oregon Department of Transportation (ODOT) Obtained permits in the past, 30 days to obtain.
- Bureau of Land Reclamation Additional permits are not required due to using existing transmission lines.
- Deschutes County We have a franchise agreement to do work in their right-of-way.
- Jefferson County Will need to apply. We have no prior history with this entity.
- Crook County Obtained permits in the past.
- City of Madras We will need to obtain a franchise agreement.
- City of Prineville We have a franchise agreement.
- City of La Pine We will need a franchise agreement.
- Ochoco Main Canal District Will need to apply. We have no prior history with this entity.
- Central Oregon Canal Obtained permits in the past.
- BNSF Railroad In process for permit.
- Bonneville Power Administration Obtained permits in the past,

SPIN Number

SPIN: 143029513

Name of Entity: Bend Cable Data Services, LLC

L. Environmental Questionnaire

Project Description

The project involves the installation of middle mile fiber infrastructure in Central Oregon on existing transmission line structures and in existing transmission line rights of way. It also includes the installation of fiber to support GePON installations (fiber to the premise using non-powered optical fiber).

The construction includes the installation of fiber cabinets, aerial fiber installations on existing utility poles and underground fiber installation in existing utility rights of way. The fiber



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cabinets are approximately 52 inches tall, 48 inches wide and 24 inches deep and will be mounted set on concrete pads at the base utility poles/underground right of ways. Each cabinet is powered by commercial power transformer locations in existing utility transmission lines. Ninety percent of the fiber installation will be built overhead on existing utility poles. The remaining ten percent will be buried in existing utility easements.

The GePON installation will require no additional equipment. The fiber will terminate directly from the fiber cabinet to the place of business.

BendBroadband has extensive experience installing transmission lines including fiber and will follow its normal permitting and construction practices and procedures in connection with the project.

Property Changes

Ninety percent of the project will involve fiber installation on existing utility poles and the only property changes will be fiber cabinets placed in right of way locations. Ten percent of the project will involve burying fiber in existing utility rights of way, in addition to fiber cabinet installation. BendBroadband will secure all necessary permits, approvals and franchise agreements for each element of the project. Portions of the project are located within the boundaries of the Deschutes, Crook or Jefferson National Forests but all project construction activities will be confined within existing utility rights of way.

Buildings

There are no buildings to be constructed or modified for this project.

We reviewed the historic and national landmark lists for our areas. We also spoke to a SHPO representative who informed us that our construction, since are in the right of way, should not be a problem. However, that they would require more time to evaluate completely. They also said that it is usual and customary to start the environmental survey after we are awarded the money.

1) Redmond to Madras and Downtown Madras – There are no historic properties within one-half mile of the project. The project will cross within approximately 4000 feet of an historic



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property, Opal City, at the closest point, but because the project is limited to installation of fiber in existing rights of way it will have no impact on the historic property.

- 2) Prineville to Madras and Northwest of Prineville The project will cross within approximately 1500 feet of an historic property, Lamonta, at the closest point, but because the project is limited to installation of fiber within existing rights of way it will have no impact on the historic property.
- 3) Bend to Sunriver and downtown Sunriver There are no historic properties within one mile of the project.
- 4) Bend to La Pine and downtown La Pine There are no historic properties within one mile of the project.
- 5) Prineville to Bend There are no historic properties within one mile of the project.

Wetlands

- 1) Redmond to Madras and downtown Madras There are no existing wetlands on or near the project site.
- 2) Prineville to Madras and Northwest of Prineville At the closest point, the project will be approximately 500 feet from designated "Wetlands 500 Ft Ponds."
- 3) Bend to Sunriver and downtown Sunriver The project will include two aerial and one underground crossing of the Deschutes River in existing utility rights of way.
- 4) Bend to La Pine and downtown La Pine The project will cross approximately 1000 feet of one designated "Fresh Water emergent wetland" area on existing utility poles. The project will include approximately 2 miles of aerial fiber on existing utility poles parallel to a" Fresh Water emergent wetland" area.
- 5) Prineville to Bend The project will be approximately 500 ft from a designated "small emergent" wetland. This is a pond on Bureau of Land Management land.

Critical Habitats



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- 1) Redmond to Madras and Downtown Madras The project will be approximately 4.4 miles from the Lake Billy Chinook critical habitat of the Bull Trout. The project will not affect any threatened, endangered or candidate species.
- 2) Prineville to Madras and Northwest of Prineville The project will not include or be near any critical habitats or affect any endangered, threatened or candidate species.
- 3) Bend to Sunriver and downtown Sunriver The project will not include or be near any critical habitats or affect any endangered, threatened or candidate species.
- 4) Bend to La Pine and downtown La Pine The project will not include or be near any critical habitats or affect any endangered, threatened or candidate species.
- 5) Prineville to Bend The project will not include or be near any critical habitats or affect any endangered, threatened or candidate species.

Floodplain

- 1) Redmond to Madras and Downtown Madras A portion of downtown Madras is within a 100 year floodplain. The project will include approximately 300 feet of fiber on existing utility poles within that floodplain.
- 2) Prineville to Madras and Northwest of Prineville –The project will include approximately 2000 feet of fiber on existing utility poles within a 100 year floodplain in downtown Prineville, and approximately 6.2 miles of fiber on existing utility poles within a 100 year floodplain along Highway 26 to Madras.
- 3) Bend to Sunriver and downtown Sunriver The project will include approximately 2500 feet of fiber within a 100 year floodplain near Deschutes River. Approximately 70% of this fiber will be on existing utility poles and the remaining 30% will be buried in existing utility right of way.



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- 4) Bend to La Pine and downtown La Pine The project will include a total of approximately 200 feet of fiber on existing utility poles within 100 year flood plains disbursed over a stretch of approximately 1.5 miles parallel to the Deschutes River.
- 5) Prineville to Bend This portion of the Project is not located in any floodplains.

Protected Land

- 1) Redmond to Madras and Downtown Madras A portion of the project will be built through the National Grasslands on existing utility poles and in existing utility rights of way.
- 2) Prineville to Madras and Northwest of Prineville A portion of the project will be built through National Grasslands on existing utility poles and in existing utility rights of way.
- 3) Bend to Sunriver and downtown Sunriver A portion of the project will be built through the Deschutes National Forest on existing utility poles and in existing utility rights of way.
- 4) Bend to La Pine and downtown La Pine A portion of the project will be built through the Deschutes National Forest on existing utility poles and in existing utility rights of way.
- 5) Prineville to Bend A portion of the project will be built through the Crook National Forest on existing utility poles and in existing utility rights of way.
- 6) No portion of the Project is located on tribal lands.

Coastal Area

None of our Project areas are within the boundaries of a Coastal Zone Management Area.

Brownfield

1) Redmond to Madras and Downtown Madras – There are no brownfields in or close to this Project area.



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- 2) Prineville to Madras and Northwest of Prineville The project will cross approximately 3000 ft away from a brownfield site, Tom McCall Business Park, at the closest point.
- 3) Bend to Sunriver and downtown Sunriver There are no brownfields in or close to this Project area.
- 4) Bend to La Pine and downtown La Pine There are no brownfields in or close to this Project area.
- 5) Prineville to Bend There are no brownfields in or close to this Project area.



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Uploads

The following pages contain the following uploads provided by the applicant:

Upload Name	File Name	Uploaded By	Uploaded Date
Service Offerings and Competitor Data	COFA CCI Service Offerings and Competitor Data Attachment.xls	Grandjacques, Melanie	03/26/2010
Network Diagram	COFA Network Diagram .pdf	Grandjacques, Melanie	03/26/2010
Build Out Timeline	COFA CCI Build-Out Timeline Attachment.pdf	Grandjacques, Melanie	03/26/2010
List of Community Anchors and Points of Interest	COFA CCI Anchor Detail and POI Attachment.xls	Grandjacques, Melanie	03/26/2010
Management Team Resumes and Organization Chart	COFA Management Showcase Resumes Org Chart.pdf	Grandjacques, Melanie	03/26/2010
Government and Key Partnerships	COFA Key Government and Partners.pdf	Grandjacques, Melanie	03/26/2010
Historical Financial Statements	COFA Bend Cable Financials.pdf	Grandjacques, Melanie	03/26/2010
Budget Narrative	COFA CCI Budget Narrative Attachment -	Grandjacques, Melanie	03/26/2010



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	Final.pdf		
Detailed Budget	COFA CCI Detailed Budget.xls	Grandjacques, Melanie	03/26/2010
Pro-forma Forecast	COFA CCI Pro Forma Financial Projections Attachment.xlsx	Grandjacques, Melanie	03/26/2010
Subscriber Estimates	COFA CCI Subscriber Estimates Attachment.xls	Grandjacques, Melanie	03/26/2010
Dashboard Metrics	COFA CCI Key Metrics Dashboard Attachment.pdf	Grandjacques, Melanie	03/26/2010
Service Area Data	COFA CCI Service Areas Attachment.xls	Grandjacques, Melanie	03/26/2010
Network Maps	COFA Network Map.pdf	Grandjacques, Melanie	03/26/2010
BTOP Certifications	COFA Bend Cable Comm AOR Certificate.pdf	Grandjacques, Melanie	03/26/2010
SF-424 C and D	COFA SF-424 C and D.pdf	Grandjacques, Melanie	03/26/2010