

## Comprehensive Community Infrastructure Key Metrics Dashboard

Please refer to the CCI Grant Guidelines for instructions on completing this form.

Applicant Profile	
Applicant Name	Bend Cable Communications, LLC
Title	Central Oregon Fiber Alliance
Easygrants ID	5354
Headquarters	Bend, OR
Size (2009 Data) of Applicant Entity	<ul style="list-style-type: none"> <li>• Current Year Revenues: [REDACTED]</li> <li>• Employees: 200</li> </ul>
Technology Type	Middle Mile – Aerial and buried fiber ; Middle Mile - GePON
Key Partners	[REDACTED]

Project Economics			
Budget Information		Project Financials	
Project Budget	6,312,522	Project Revenues (Yr 8)	\$ [REDACTED]
Federal Contribution (%)	70%	Net Income and Margin (Yr 8)	\$ [REDACTED]
Cash Match Amount (%)	30%	EBITDA and Margin (Yr 8)	\$ [REDACTED]
In Kind Match Amount (%)	0	Rate of Return (w/o BTOP Funds)	-1.02%
Middle Mile/Last Mile Budget Allocation		Rate of Return (w/ BTOP Funds)	11.79%
Middle Mile Percentage (%)	100%	Cost Efficiency	
Last Mile Percentage (%)		Cost per Mile (MM)	\$30,194
Rural Last Mile Percentage		Cost per Business (LM - GePON)	\$3,807

Market Territory	
Geographic Area(s)	
Middle Mile Network Composition	
Total Proposed Network Miles (MM only)	<ul style="list-style-type: none"> <li>• Total Miles: [REDACTED]</li> <li>• Backbone Miles: [REDACTED]</li> <li>• Lateral Miles: [REDACTED]</li> </ul>
New Construction Network Miles (MM only)	<ul style="list-style-type: none"> <li>• Total Miles: [REDACTED]</li> <li>• Backbone Miles: [REDACTED]</li> <li>• Lateral Miles: [REDACTED]</li> </ul>
Existing Applicant Network Miles Utilized (MM only)	<ul style="list-style-type: none"> <li>• Total Miles: [REDACTED] miles. We have not separated our mileage of Backbone vs Lateral on our existing plant.</li> </ul>
Leased Network Miles Utilized (MM only)	<ul style="list-style-type: none"> <li>• Total Miles: NA</li> <li>• Backbone Miles: NA</li> <li>• Lateral Miles: NA</li> </ul>
Underserved/Unserved	<ul style="list-style-type: none"> <li>• Percentage of Backbone Miles in Underserved/Unserved Areas: 100%</li> <li>• Percentage of Lateral Miles in Underserved/Unserved Areas: 100%</li> </ul>
Existing Customer Base	

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Existing Residential/Individual Customers within PFSA	<b>Approximately 500 fixed wireless residential and small business customers in the combined PFSA's.</b>
Existing Business Customers within PFSA	<b>Approximately 500 fixed wireless residential and small business customers in the combined PFSA's.</b>
Existing Community Anchor Institution Customers within PFSA	<ul style="list-style-type: none"> <li>• Total CAI's: 0</li> <li>• Community Colleges: 0</li> <li>• Public Safety Entities: 0</li> </ul>
Existing Third Party Service Provider Customers within PFSA	<b>None</b>
<b>Potential Customer Base</b>	
Market Potential Households (within PFSA)	<ul style="list-style-type: none"> <li>• Total HH's: 1174</li> <li>• Located in Underserved/Unserved Areas: Underserved</li> </ul>
Market Potential Businesses (within PFSA)	<ul style="list-style-type: none"> <li>• Total Businesses: 3485</li> <li>• Located in Underserved/Unserved Areas: Underserved</li> </ul>
Market Potential Community Anchor Institutions (within PFSA)	<ul style="list-style-type: none"> <li>• Total CAI's: 25</li> <li>• Located in Underserved/Unserved Areas: Underserved</li> <li>• Community Colleges: 1</li> <li>• Public Safety Entities: 8</li> </ul>
Market Potential Third Party Service Providers (within PFSA)	<ul style="list-style-type: none"> <li>• Total Third Party Service Providers in PFSA: 2</li> <li>• Expressing Commitment or Letter of Interest: 0</li> </ul>
<b>Funded Network Coverage</b>	
Households Connected to Network (via BTOP Funds by end of Year 3)	<ul style="list-style-type: none"> <li>• Total Households Connected: <b>NA</b></li> <li>• Located in Underserved/Unserved Areas: NA</li> </ul>
Businesses Connected to Network (via BTOP Funds by end of Year 3)	<ul style="list-style-type: none"> <li>• Total Businesses Connected: 114</li> <li>• Located in Underserved/Unserved Areas: <b>114</b></li> </ul>
Community Anchor Institutions Directly Connected (via BTOP Funds by end of Year 3)	<ul style="list-style-type: none"> <li>• Total Directly Connected CAI's: 41</li> <li>• Located in Underserved/Unserved Areas: <b>41</b></li> <li>• Community Colleges: 1</li> <li>• Public Safety Entities: 8</li> </ul>
Projected Subscribers by Year Five	<p><b><u>Directly Served by Applicant</u></b></p> <ul style="list-style-type: none"> <li>• Community Anchor Institutions: 53</li> <li>• Households: NA</li> <li>• Businesses: 144</li> <li>• Third Party Service Providers: <b>NA</b></li> </ul> <p><b><u>Served by Proposed Network Via Third Party Service Provider</u></b></p> <ul style="list-style-type: none"> <li>• Community Anchor Institutions: NA</li> <li>• Households: NA</li> <li>• Businesses: NA</li> </ul>

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Other	
Proposed MM Network Capacity	<ul style="list-style-type: none"> <li>• Backbone: 40 Gbs</li> <li>• Laterals: 1 Gbs</li> </ul>
Proposed LM Network Speed	<ul style="list-style-type: none"> <li>• Highest offered speed tier: 100 Mbs symmetrical</li> <li>• Estimated Average speed for highest speed tier: 100 Mbs symmetrical</li> </ul>
Total Points of Interconnection	<ul style="list-style-type: none"> <li>• Total Pol's: 9</li> <li>• Pol's in Underserved/Unserved Areas: 4</li> <li>• Environmentally-controlled, non-passive Pols: 4</li> </ul>
Jobs Created	<ul style="list-style-type: none"> <li>• <b>Direct Job-years: 16</b></li> <li>• <b>Indirect Job-years: 22</b></li> <li>• <b>Induced Job-years: 21</b></li> </ul>
Required Time for Project Completion (Number of Required Quarters to Fully Build-out and Test Network and Make Ready for Commercial Service)	<b>Eight Quarters</b>



**BUDGET INFORMATION - Construction Programs**

OMB Approval No. 4040-0008  
Expiration Date 07/30/2010

*NOTE: Certain Federal assistance programs require additional computations to arrive at the Federal share of project costs eligible for participation. If such is the case, you will be notified.*

COST CLASSIFICATION	a. Total Cost	b. Costs Not Allowable for Participation	c. Total Allowable Costs (Columns a-b)
1. Administrative and legal expenses	\$ 29,000.00	\$	\$ 29,000.00
2. Land, structures, rights-of-way, appraisals, etc.	\$ 0.00	\$	\$ 0.00
3. Relocation expenses and payments	\$ 0.00	\$	\$ 0.00
4. Architectural and engineering fees	\$ 0.00	\$	\$ 0.00
5. Other architectural and engineering fees	\$ 0.00	\$	\$ 0.00
6. Project inspection fees	\$ 0.00	\$	\$ 0.00
7. Site work	\$ 0.00	\$	\$ 0.00
8. Demolition and removal	\$ 0.00	\$	\$ 0.00
9. Construction	\$ 5,235,866.00	\$	\$ 5,235,866.00
10. Equipment	\$ 1,047,656.00	\$	\$ 1,047,656.00
11. Miscellaneous	\$	\$	\$ 0.00
12. SUBTOTAL (sum of lines 1- 11)	\$ 6,312,522.00	\$ 0.00	\$ 6,312,522.00
13. Contingencies	\$	\$	\$ 0.00
14. SUBTOTAL	\$ 6,312,522.00	\$ 0.00	\$ 6,312,522.00
15. Project (program) income	\$	\$	\$ 0.00
16. TOTAL PROJECT COSTS (subtract #15 from #14)	\$ 6,312,522.00	\$ 0.00	\$ 6,312,522.00
<b>FEDERAL FUNDING</b>			
17. Federal assistance requested, calculate as follows: (Consult Federal agency for Federal percentage share.) Enter eligible costs from line 16c Multiply X 70 % Enter the resulting Federal share.			\$ 4,418,765.00

## INSTRUCTIONS FOR THE SF-424C

Public reporting burden for this collection of information is estimated to average 180 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0041), Washington, DC 20503.

**PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET.  
SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.**

This sheet is to be used for the following types of applications: (1) "New" (means a new [previously unfunded] assistance award); (2) "Continuation" (means funding in a succeeding budget period which stemmed from a prior agreement to fund); and (3) "Revised" (means any changes in the Federal Government's financial obligations or contingent liability from an existing obligation). If there is no change in the award amount, there is no need to complete this form. Certain Federal agencies may require only an explanatory letter to effect minor (no cost) changes. If you have questions, please contact the Federal agency.

*Column a.* - If this is an application for a "New" project, enter the total estimated cost of each of the items listed on lines 1 through 16 (as applicable) under "COST CLASSIFICATION."

If this application entails a change to an existing award, enter the eligible amounts *approved under the previous award* for the items under "COST CLASSIFICATION."

*Column b.* - If this is an application for a "New" project, enter that portion of the cost of each item in Column a. which is *not* allowable for Federal assistance. Contact the Federal agency for assistance in determining the allowability of specific costs.

If this application entails a change to an existing award, enter the adjustment [+ or (-)] to the previously approved costs (from column a.) reflected in this application.

*Column.* - This is the net of lines 1 through 16 in columns "a." and "b."

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Line 1 - Enter estimated amounts needed to cover administrative expenses. Do not include costs which are related to the normal functions of government. Allowable legal costs are generally only those associated with the purchases of land which is allowable for Federal participation and certain services in support of construction of the project.

Line 2 - Enter estimated site and right(s)-of-way acquisition costs (this includes purchase, lease, and/or easements).

Line 3 - Enter estimated costs related to relocation advisory assistance, replacement housing, relocation payments to displaced persons and businesses, etc.

Line 4 - Enter estimated basic engineering fees related to construction (this includes start-up services and preparation of project performance work plan).

Line 5 - Enter estimated engineering costs, such as surveys, tests, soil borings, etc.

Line 6 - Enter estimated engineering inspection costs.

Line 7 - Enter estimated costs of site preparation and restoration which are not included in the basic construction contract.

Line 9 - Enter estimated cost of the construction contract.

Line 10 - Enter estimated cost of office, shop, laboratory, safety equipment, etc. to be used at the facility, if such costs are not included in the construction contract.

Line 11 - Enter estimated miscellaneous costs.

Line 12 - Total of items 1 through 11.

Line 13 - Enter estimated contingency costs. (Consult the Federal agency for the percentage of the estimated construction cost to use.)

Line 14 - Enter the total of lines 12 and 13.

Line 15 - Enter estimated program income to be earned during the grant period, e.g., salvaged materials, etc.

Line 16 - Subtract line 15 from line 14.

Line 17 - This block is for the computation of the Federal share. Multiply the total allowable project costs from line 16, column "c." by the Federal percentage share (this may be up to 100 percent; consult Federal agency for Federal percentage share) and enter the product on line 17.

## ASSURANCES - CONSTRUCTION PROGRAMS

OMB Approval No. 4040-0009  
Expiration Date 07/30/2010

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0042), Washington, DC 20503.

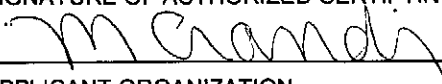
**PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.**

**NOTE:** Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the Awarding Agency. Further, certain Federal assistance awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance, and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project costs) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, the right to examine all records, books, papers, or documents related to the assistance; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will not dispose of, modify the use of, or change the terms of the real property title, or other interest in the site and facilities without permission and instructions from the awarding agency. Will record the Federal awarding agency directives and will include a covenant in the title of real property acquired in whole or in part with Federal assistance funds to assure non-discrimination during the useful life of the project.
4. Will comply with the requirements of the assistance awarding agency with regard to the drafting, review and approval of construction plans and specifications.
5. Will provide and maintain competent and adequate engineering supervision at the construction site to ensure that the complete work conforms with the approved plans and specifications and will furnish progress reports and such other information as may be required by the assistance awarding agency or State.
6. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
7. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
8. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
9. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
10. Will comply with all Federal statutes relating to non-discrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681 1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.

11. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal and federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
12. Will comply with the provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.
13. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333) regarding labor standards for federally-assisted construction subagreements.
14. Will comply with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
15. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
16. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
17. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq).
18. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-1 33, "Audits of States, Local Governments, and Non-Profit Organizations."
19. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

*SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL 	*TITLE <i>VP, Quality &amp; Process</i> <del>29,000.00</del>
*APPLICANT ORGANIZATION <i>Bend Cable Communications, LLC</i>	*DATE SUBMITTED <i>3/26/2010</i> <del>29,000.00</del>



## **BTOP Comprehensive Community Infrastructure Service Offerings and Competitor Data Template**

Please complete the complete the following worksheets--either of the Last Mile or Middle Mile Service Offerings worksheets may be omitted if the applicant is not proposing to provide that type.

For both the Last Mile and Middle Mile Service Offerings worksheets, the service offerings should include all relevant tiers and markets (*e.g.* residential, business, wholesale). Applicants should ensure to include details on any services that would be offered at discounted rates to specific classes of customers (*e.g.* community anchor institutions or third party service providers).

In the Last Mile Service Offerings worksheet, applicants are required to provide estimated end user speeds. Average speeds should be the average sustained actual, non-burst end user speed that would be received during a peak hour. For purposes of calculating these speeds, applicants should utilize their subscriber projections for year eight of the project, and develop utilization projections that are consistent with any additional services the applicant proposes. For wireless broadband services, this speed should be an average of the speeds available across the entire cell. Beyond these general guidelines, due to the multiplicity of technical solutions that may be proposed, the applicants may use discretion to determine the most reasonable method to estimate actual speeds on their network. Applicants should explain the underlying methodology used to calculate the average speeds in the space provided.

In the Competitor Data worksheet, applicants are required to provide data on both Last Mile and middle mile service providers, regardless of whether the applicant proposes to offer Last Mile and middle mile services. In the column titled Service Areas Where Service Offered, applicants should list all of the Last Mile and Middle Mile Service Areas within their Proposed Project Area in which the listed services are available. Please ensure that the Service Areas are consistent with those provided within the application and the Service Areas attached to the application. If the actual availability of the listed services is limited (*e.g.* the service is only available within a Last Mile or Middle Mile Service Area), note this in the Other Comments column.

In contrast to several other attachment templates in this application, the data provided in this template will NOT be subject to automated processing. These templates worksheets are provided to demonstrate the level of data required and to provide a suggested format. Applicants should modify the template layouts in order to provide the most effective presentation of their specific project. Applicants should, however, ensure that they provide at least as much data as these templates require. To the extent that you modify these templates please ensure that the print layouts are adjusted so that rows do not break across pages in a manner that is difficult to understand. It is recommended that you provide these documents in PDF format when submitting a copy of your application on an appropriate electronic medium, such as a CD-ROM, or flash drive.

Middle Mile  
provide services of

offerings should  
plans should be  
particular  
(riders).

estimated average  
fast speeds that an  
plans, applicants  
subscriber  
plans to offer.  
available across an  
solutions that may  
manner in which  
making assumptions

last mile and  
for both last mile  
plans, applicants  
Funded Service  
plan names are  
relevant. If the  
within part of the

provided via this  
plans are provided  
applicants are free to  
the data for  
as much detail  
ensure that the  
will be difficult  
when  
as a DVD, CD-

Name of Service Offering	Minimum Peak Load Network Bandwidth Capacity (Mbps)	Monthly/ Pricing (\$)	Other Comments/Description/Features or Limitations
[Redacted Content]			

[Redacted Content]

## Competitor Data

### Competitor Data - Last Mile Service Providers

Service Provider	Service Areas Where Service Available	Technology Platform	Service Tiers	Downstream Speed	Monthly Pricing	Other Comments/Description/Features or Limitations	
	All PFSAs in application	RADSL	Business 1.5Mbs/768Kbs	1.5Mbs	\$54	ADSL2+ and above are not available. Performance dependent upon loop distance from DSLAM	
			Business 7Mbs/1Mbs	7Mbs	\$88	ADSL2+ and above are not available. Performance dependent upon loop distance from DSLAM	
			Residential 1.5Mbs/512Kbs	1.5Mbs	\$27.95	Dependent upon oversubscription and US/DS SNR	
			DOCSIS 2.0	Residential 4Mbs/1.5Mbs	4Mbs	\$44.95	Dependent upon oversubscription and US/DS SNR
				Residential	Undefined	\$39.95	Dependent upon oversubscription and US/DS SNR. Assuming 6Mbs maximum

	DOCSIS 2.0	Business	Undefined	\$115	Dependent upon oversubscript and US/DS SNR. Assuming 6Mbps maximum

**Competitor Data - Middle Mile Service Providers**

Service Provider	Service Areas Where Service Available	Technology Platform	Service Tiers	Minimum Peak Load Network Bandwidth Capacity	Pricing	Other Comments/Description/Features or Limitations
	All PFSAs in application	SONET	DS-3 Internet	45Mbs	\$4,050/mo	Distance dependent
			OC-3 Internet	155Mbs	\$10,000/mo	Distance dependent, largest avail
			DS-3 Private	45Mbs	\$3,198/mo	Distance dependent
			OC-3 Private	155Mbs	\$5,272/mo	Distance dependent, largest avail

Note: Qwest SONET pricing is based upon 3 year termination and does not include NRC for optical termination. There are a few examples of entrepreneurial 'specialty' builds in the region, but these solutions are still limited by a high cost of entry for a dedicated entity without true regional impact with legacy type speeds. Finally, these solutions are not scalable for capacity and do not contain a sustainable business model. Pricing is unavailable for these solutions for capacity, NRC and MRC. The network in this grant is open. Current regional entrepreneurial providers and existing regional last-mile providers, can leverage upon the infrastructure provided in the grant.