WEST VIRGINIA Economic Development

WestVirginia.gov



West Virginia's **Broadband Investment Plan**



- Major Broadband Project Strategies Program (MBPS) Round 2 Funding **Program Overview** March 8, 2023
 - This Webinar Will Be Recorded



DISCLAIMERS

- Fiscal Recovery Fund (SLFRF) programs, administered by the U.S. Dept. of the federal and state requirements.



• The MBPS Program will use funding allocated to the State of West Virginia under the American Rescue Plan Act (ARPA) Capital Projects Fund (CPF), and the State and Local Treasury. Program parameters are subject to ARPA, U.S. Treasury Rules, and other

Visit broadband.wv.gov and the U.S. <u>Treasury's website</u> for additional information.



KEY DOCUMENTS TO REVIEW AND UNDERSTAND

DOCUMENTS HAVE BEEN PUBLISHED OR WILL BE SHORTLY

- Program Procedures 1.
- 2. **Plan Subrecipients**
- Target Address Maps 3.
- 4.

Applicants should also read and understand U.S. Treasury Rules and Guides for ARPA Funding.



Guide to Reporting and Compliance Obligations for West Virginia ARPA Broadband Investment

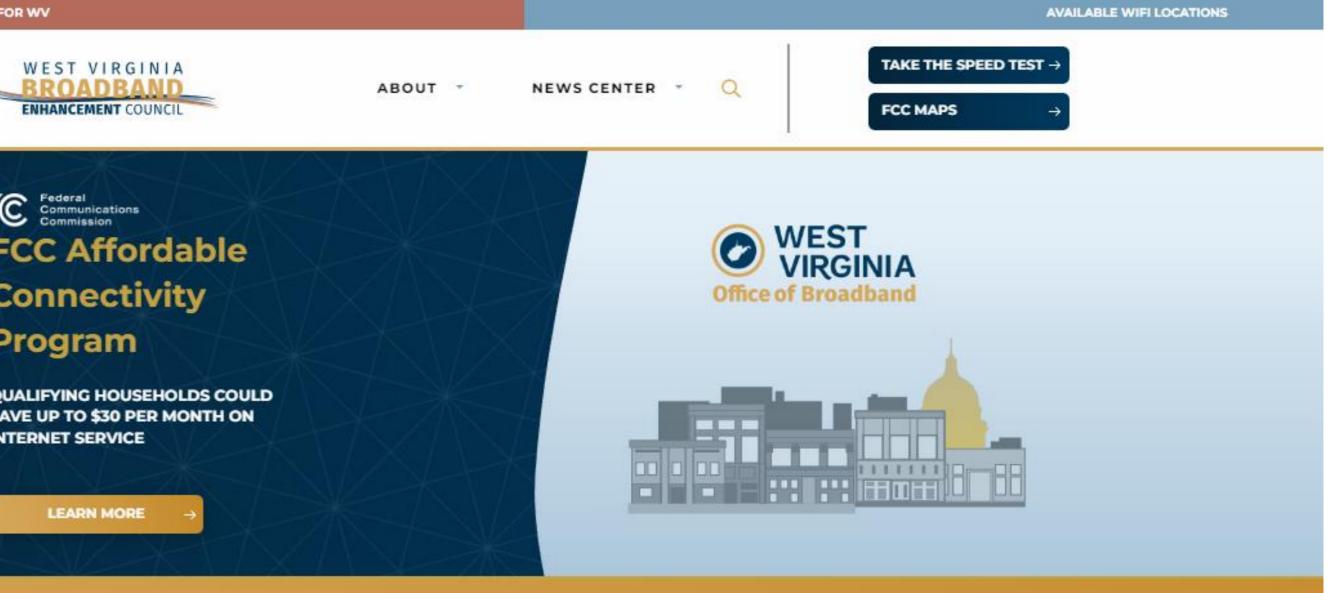
Application questions and required documents template in ZoomGrants Online Application

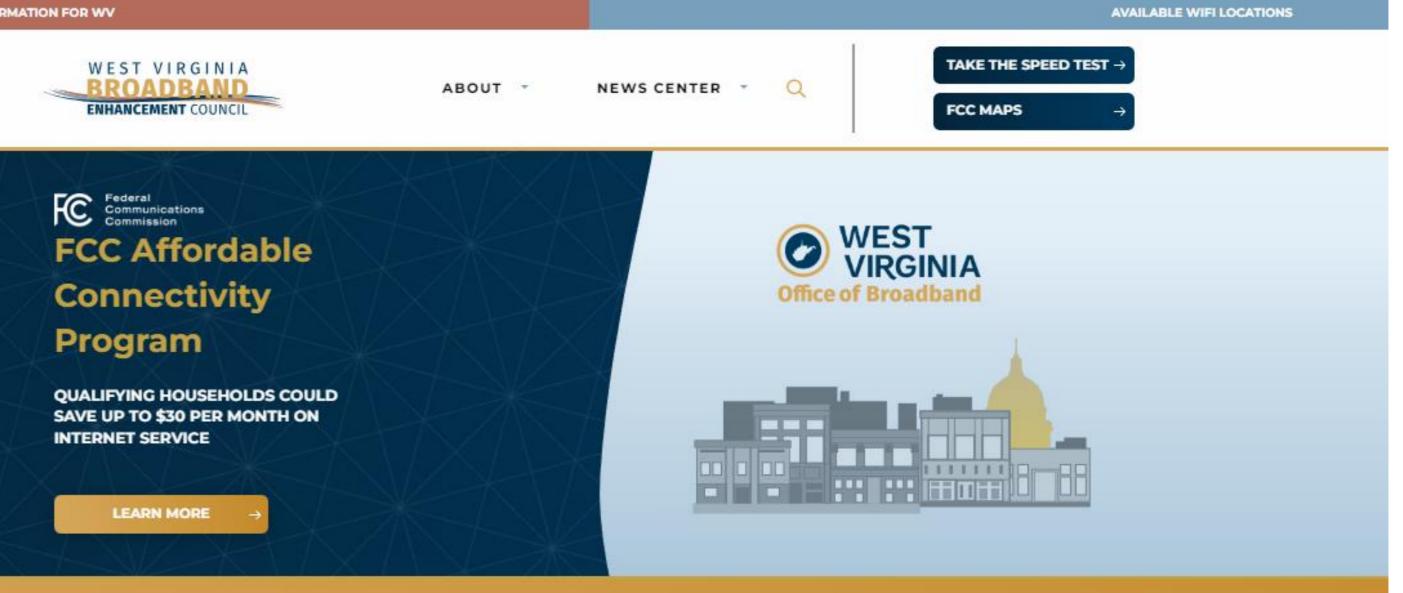


WV ARPA Broadband Investment Plan

https://broadband.wv.gov/

COVID19 RESOURCE INFORMATION FOR WV





Grant Program Information

(Grey links are TED)

LEAD

- Round 2 Program Procedures
- Round 1 Program Procedures Update
- Round 2 ZoomGrants Application Portal
- LEAD Round 2 Webinar PPT
- LEAD Round 2 Webinar Recording

GigReady

Program Procedures

MBPS

Round 2 MBPS Program Procedures

2022 Program Procedures



WEST VIRGINIA BROADBAND INVESTMENT PLAN

Notice of Request for Data Related to the BEAD Program

February 3, 2023

The West Virginia Department of Economic Development has issued a voluntary data request in parallel to the Federal

communication Commission's (FCC) Digital Opportunity Data Collection (DODC) process. The intention of this data request is to receive the information when it is submitted to the FCC to mitigate any delays between broadband program rounds that require the latest filings... Read more

WVBIP: LEAD Round 2 Application Window Opening

February 3, 2023

The West Virginia Department of Economic Development will open the second round of the Line Extension Advancement and Development (LEAD) Program on February 17, 2023. LEAD Round 2 Program Procedures have been published to this page. The Department will be conducting a LEAD Round 2 webinar for interested parties on February 17th, 2023, to

Program Resources

WVDED Data Request for ISPs Only

Upload Portal

Announcement

Browse the Maps

Target Area Maps

Provider Locator

RDOF

Guide to Compliance and Reporting

IDA Internet For All West Virginia

ARPA Capital Projects Fund

Capital Projects Fund Allocations to States

Program Overview

MBPS PROGRAM ROUND 2 PROGRAM PURPOSE

- A state grant program for projects that have received technical assistance through the GigReady program, first announced by the Department in 2021
- \$30M is targeted for this funding opportunity
- MBPS Eligible Applicants must be an ISP partnering with a community that applied to the GigReady program
- A key element of the GigReady program is to help match potential projects to other state and federal funding sources
 - Examples of other potential funding sources include ARPA, ARC, IIJA, USDA, or US EDA

Units of local government should not be the applicant for MBPS projects.

There will be a separate new round of the GigReady program for communities that wish to be the lead applicant.



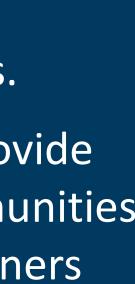
From the GigReady Program Procedures

The GigReady program will assist participants in two distinct phases.

In phase one, the program will provide technical assistance to help communities scope projects, select private partners and vendors, and complete other necessary steps in the broadband development process.

In phase two, upon completion of the technical assistance phase, participants may then be eligible for implementation funding through the GigReady program or other funding sources.

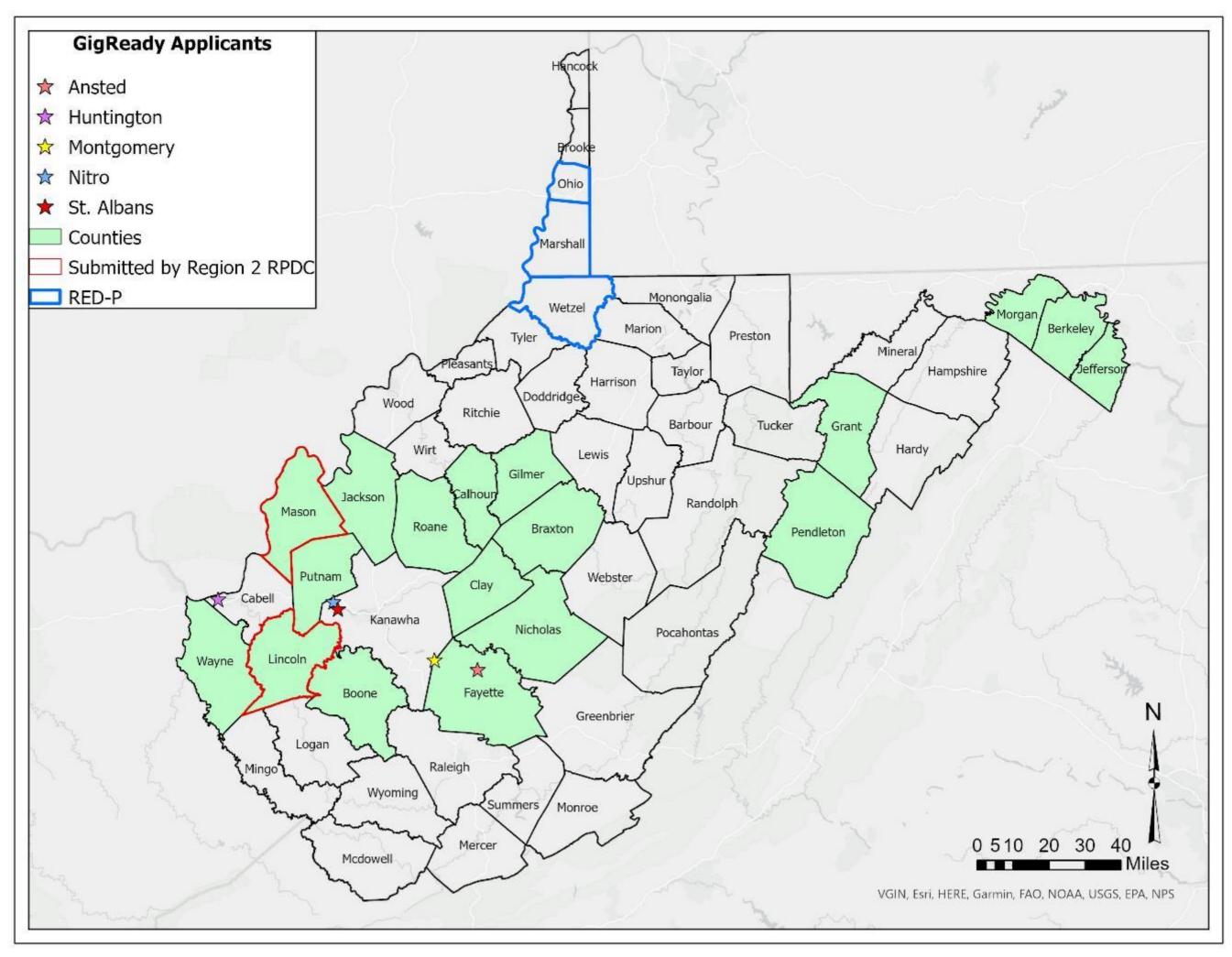
Participants who have qualifying, shovel ready projects that do not need technical assistance can apply to proceed directly to phase two by submitting a complete application, including all information listed as "optional" in the application.







GIGREADY ROUND 1 APPLICANTS







PROJECT SIZE

MAXIMUM SIZE IN A SINGLE PROPOSAL

- Project may not request more than \$20M.
- Proposed projects may not have more than 5,000 Targeted addresses. lacksquare
- An applicant may submit multiple applications.





9

PROGRAM TIMELINE

March 3, 2023

Program Announcement

March 9, 2023

Online Application Opens



Apr. 20, 2023 • Application Deadline





ELIGIBILITY CRITERIA

KEY REQUIREMENTS

Last-Mile, Unserved Project Focus

- Projects must extend <u>last-mile</u> service to Targeted addresses.
- federal, or locally funded project to deliver broadband service of at least 25/3 Mbps speed.
- Service by satellite providers or mobile wireless networks does not count.

Speeds

- Projects with speeds of at least 1000/500 Mbps are encouraged.
- Project must have speeds of at least 100/20 Mbps, scalable to 100/100

Timeline

- Project must be completed within 24 months of award.
- 6-month extensions permitted for delays not caused by the applicant.

Cost

• Proposed project costs must be reasonable and proportional to the dif

Affordability

• Applicants will be required to participate in the FCC's Affordable Conne

Community Partnership

- Must demonstrate community support.
- Minimum formal expression of support from leaders of proposed communities.
- Active partnerships, planning, financial support encouraged.



• Targeted addresses are estimated to have no access to internet service with speeds of at least 25/3 Mbps and are not in an area with an existing state,

0 Mbpc
00 Mbps.
•
ifficulty of the project.
nectivity Program (ACP) program.





GRANT-ELIGIBLE EXPENDITURES

ELIGIBLE PROJECT ACTIVITIES AND COSTS INCLUDE:

- One-time capital expenditures made *after* the date of the grant agreement execution and WVDED authorization
- Facilities necessary to deliver last-mile broadband service to unserved addresses
- Grant funds provided on a reimbursement basis





Carefully review the Program Procedures and Guide for additional important details!



CALCULATING MATCH MINIMUMS FOR MBPS PROGRAM

- Applicants must provide match equal to 25% of eligible project costs
- Match may be provided by Applicant or committed by a community partner
- Applicants must demonstrate community support of investment to pledge funds
- Matching funds must be spent by the awardee prior to reimbursement
- Match must be spent on allowed expenditures
- Applicants must commit to matching funds at the time of application





MBPS PROJECT MATCH

INIMUM MATCH AND ADDITIONAL MATCH

- Applications *must* provide the minimum match.
- provides points during project scoring.
- No contingent sources or in-kind contributions are allowed as match.



• Applicants are *encouraged* to provide additional match. Additional match above the minimum







APPLICANTS MAY SEEK WAIVERS IN TWO AREAS

Construction Timeline

- Must identify alternative timeline ending ASAP and not later than 12/31/2026
- infeasible

Matching Funds

- May ask to provide less than the required minimum
- Must explain why it is infeasible for applicant to provide minimum match
- Must document efforts to obtain matching funds



• Must explain circumstances not under applicant control that make 24-month timeline









WAIVERS MUST HAVE GOOD CAUSE

Waivers may be granted upon a determination that:

- It is in the best interest of the state,
- It furthers goal of expanding broadband service in West Virginia, and

Applications seeking and not receiving a waiver may become ineligible.

The Department may prioritize funding applications not requesting a waiver over those that do.



The proposed project would not be feasible or advisable without the requested waiver.



SCORING CRITERIA FOR IMPLEMENTATION FUNDING OF ELIGIBLE PROJECTS



Technical (up to 100 points total)





Broadband Development Impact (up to 100 points total)





Project Readiness (up to 30 points) **Operational Readiness (up to 30 points)** Speed of Proposed Services (up to 40 points)

Cost-Efficiency (up to 40 points) Financial Resiliency (up to 30 points) Commitment of Proposed Match Sources (up to 10 points) The Amount of Matching Funds Proposed (up to 20 points)

Affordability (up to 20 points) Level of Demonstrated Community Support (up to 30 points) Community Impact (up to 50 points)

Priority will go to those projects that score well in all three categories.





TECHNICAL

Project Readiness Completion of preliminary engineering

Completion of necessary pole and conduit licenses

Operational Readiness

Experience of leadership team

Gig Speed





- Attainment of necessary permits, right-of-way access, and easements
- Strength of support from key vendors, contractors, and partners
- Maturity of the Operating systems that will support the project
- The ability of the proposed project to serve customers at a gigabit speed



FINANCIAL

Cost Efficiency Cost relative to the difficulty of the project

Metrics like cost per mile or cost per premise passed

Financial Resiliency

Matching Funds

The commitment of proposed match sources





- Factors like low density, extensive make-ready, unavoidable underground construction
- Sustainability of the project under adverse assumptions

- The amount of matching funds provided, over and above 25% of eligible project costs



BROADBAND DEVELOPMENT IMPACT

Affordability

Demonstrated Community Support

Community **Impact Factors**

How low are residential prices?
Is there a discounted service for low-incom

Public-Private Partnerships

Provision of local government land, facilities, or matching funds provided

Local agreements to take service

Response to presubscription campaigns

The project is in an area of low or moderate income, high poverty, high unemployment or economic distress The project supports a credible plan to increase broadband adoption and improve digital literacy in the affected communities The project supports a major economic development initiative identified by a regional planning or development council or economic development authority

The project supports or implements a recent broadband planning initiative in a county or region

The project is coordinated with or builds upon other nearby projects that will provide greater regional benefit

agencies

The project addresses Targeted premises in a region of the state with high need but relatively few funded projects

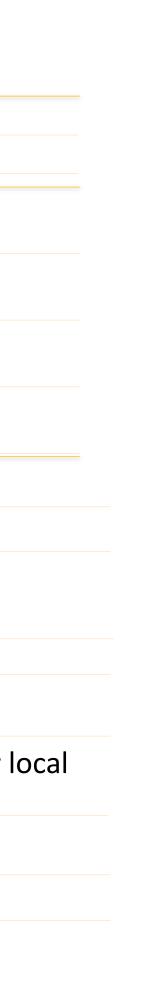
The project supports adopted state plans or priorities not otherwise addressed by other prioritization factors





ne consumers that is fully covered by the ACP subsidy?

The project has strategic partnerships involved in the proposed project, for example, electric utilities, universities, and federal, state, or local





Using the Target Address Map Data

TARGET AREA ADDRESSES

CLASSIFICATIONS

The Program defines projects and eligibility for funding at the address level. Based on statewide address data developed by the West Virginia Statewide Addressing and \bullet

Mapping System

Two classes for grant applicants:

- of 25/3 Mbps and not in an area with existing state, federal, locally funding.
- Other Addresses





• Targeted – Addresses estimated not to have current access to terrestrial internet service





MAP RESOURCES FOR GRANT APPLICATIONS

The Target Area address set can be found in ZoomGrants under "Proposed funded service area maps" in the "Document" tab.

Target Address Map

Downloadable data – Target Addresses

- Shapefile
- Feature Geodatabase
- CSV

Applicants should use the Target Area address set to generate sets of addresses passed or covered by proposed projects.



Documents Requested *

Proposed funded service area maps. Files submitted as shapefiles or a KMZ/KML file are preferred.

Use the following link to download the Target Area address data.

Download template: Download TargetAreaAddress Datasets

MBPS Program Workbook with tabs for Budget Detail, Budget Summary, Funding Sources and Match, Budget Breakdown, Key Project Data and Addresses Passed. Use provided template and address data from https://broadband.wv.gov/ ***REQUIRED

Download template: MBPS Round 2 Program Workbook

Existing network: If interconnected with an existing network, show the applicant's existing fiber or cable network routes within the municipalities, and site & coverage info of adjacent existing wireless sites. ***REQUIRED

Download template: Existing Network

Project Plan and timeline with major milestones showing that the proposed project can be completed within 24 months of award. The plan should include any major contingencies in the plan. ***REQUIRED

High-level network design. Designs submitted must include all new routes needed to connect to the applicant's existing network. If network includes wireless, also upload required files. Files must be submitted as shapefiles or a KMZ/KML. ***REQUIRED

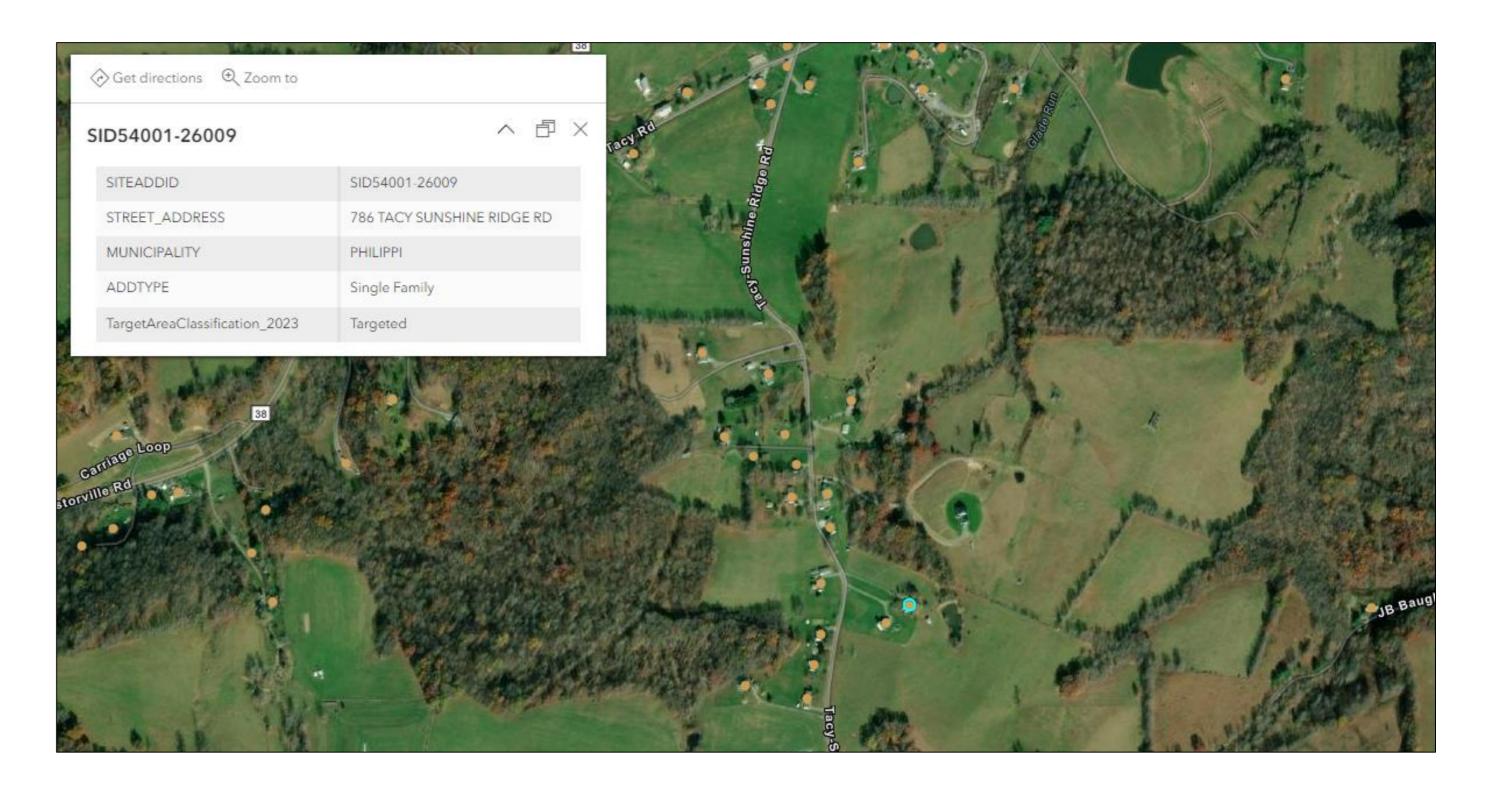
Download template: High-level Network Design



MAP RESOURCES FOR GRANT APPLICATIONS

ADDRESS TYPES

- Several classifications have been removed to filter only broadband serviceable structures.
- Some locations may not be broadband serviceable due to inaccurate classifications.



Not all address types are classified appropriately e.g., single family home classified as an "accessory building." No personal information is associated with these locations.



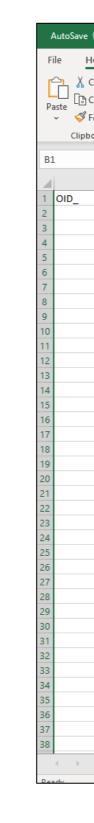
MAP RESOURCES FOR GRANT APPLICATIONS

DOWNLOADING THE DATA

After analyzing the targeted addresses, applicants must copy the tabulated data into the Budget and Pro Forma Template.

Required Fields:

- SITEADDID
- STREET ADDRESS
- MUNICIPALITY
- TARGET AREA CLASSIFICATION





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53	389 SID54001-209	07 568 HICKORY CORNER RD	PHILIPPI	Other Address		
53	390 SID54001-209	08 51	PHILIPPI	Other Address		Sort >
53	391 SID54001-209	09 61	PHILIPPI	Other Address		Get Data from Table/Range
53	392 SID54001-209	10 297 HICKORY CORNER RD	PHILIPPI	Other Address		
54	493 SID54001-210	23 162 WOODSBORO AVE	PHILIPPI	Other Address	ţ_	New Comment
54	494 SID54001-210	24 63 WOOLEY HOLLOW RD	PHILIPPI	0		
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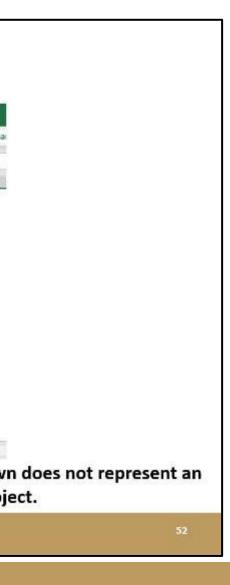
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ADDRESSES COVERED

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How to Apply Using the ZoomGrants Online Application



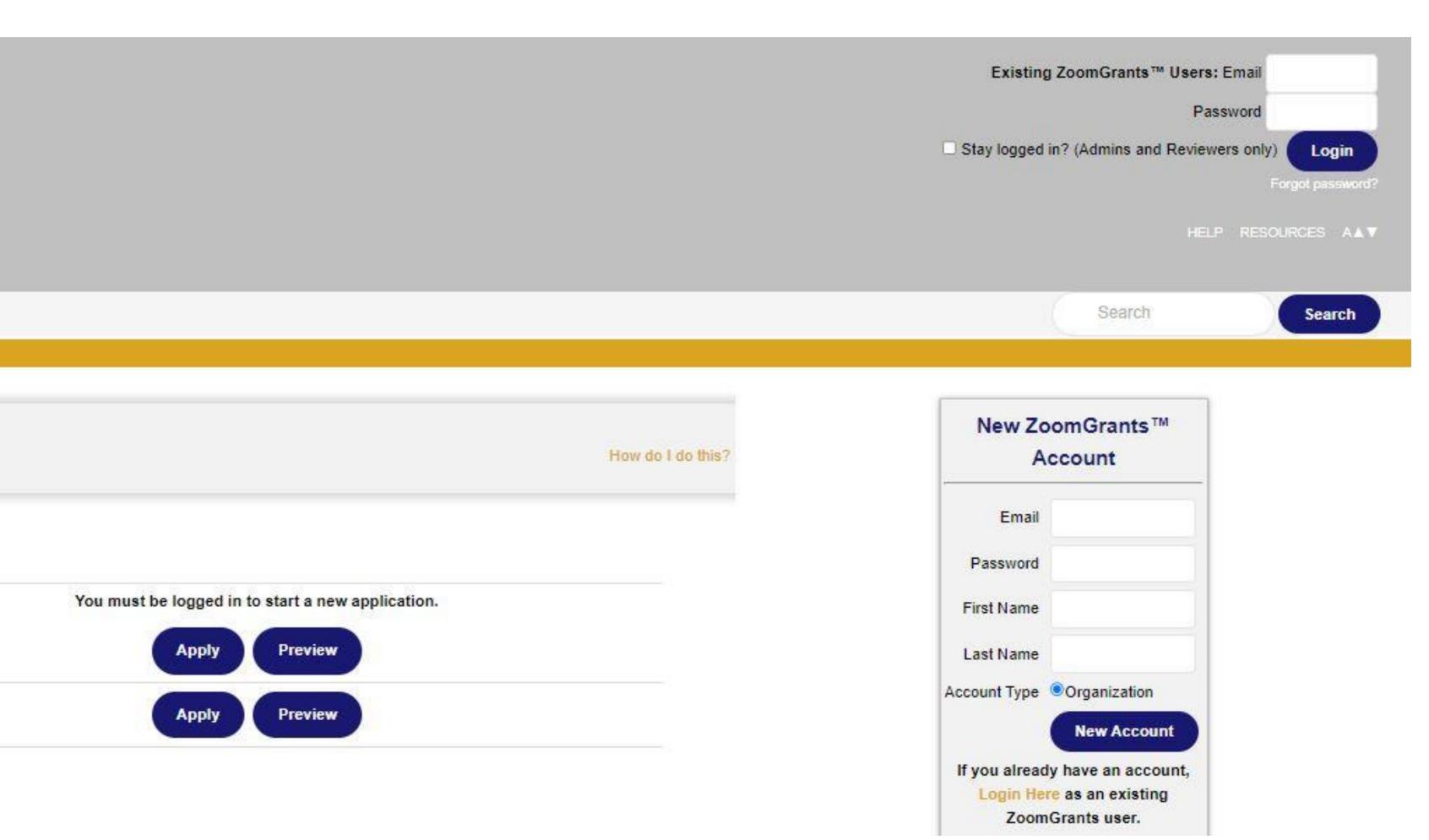
West Virginia Department of Economic Development

Open Programs

Open Programs

LEAD Round 2 3/22/2023 - Organizations Only

MBPS Round 2 4/12/2023 - Organizations Only









\$ 0.00 requested

Application Summary Information	Project Description	Application Questions	Proposed Services
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Application Summary Information

Instructions Show/Hide Please enter a project name, information about the lead organization submitting the application, and a primar

Application Title/Project Name

Amount Requested Enter numbers only. Do not use commas or a dollar sign.

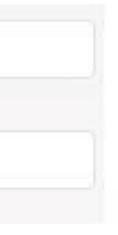


Documents	Archive this A Act
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ry point of contact who can answer questions about the application.	
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other field





Applicant Information

First Name	One
Last Name	Tilson
Telephone	3045555556
Email	tilsonexample@tilsontech.com

Organization Information

Organization Legal Name/Entity Name (Should match SAM.gov)

Address 1 Address 2 City State/Province ZIP+4/Postal Code Country

Telephone

Fax (optional)

Website (optional)



(changes to this data will be reflected on all other applications for this organization)

Tilson One

304-555-5555
broadbandxyz.com







Primary Point of Contact		
First Name		
Last Name		
Title		
Email		

Collaborators

Collaborators can only edit application data (answers). They cannot submit, archive, or delete this application.

		Last Name	Title	Editing Access	Status
				Application	
Email Address	rst Name	Last Name	Title		Invite
Add to Additional Contacts (below)			10000		

Additional Contacts for this Application

Additional Contacts will be copied on all emails sent to the application owner regarding this applic No names. No titles. No phone numbers.



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Admin

TESTING

ddilks@tilsontech.com

ation. Enter ONLY email addresses separated by a comma.	



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Application Summary Information	Project Description	Application Questions	Proposed Services	Documents

Project Description

Ask a Project Description Question

1. Project Description:

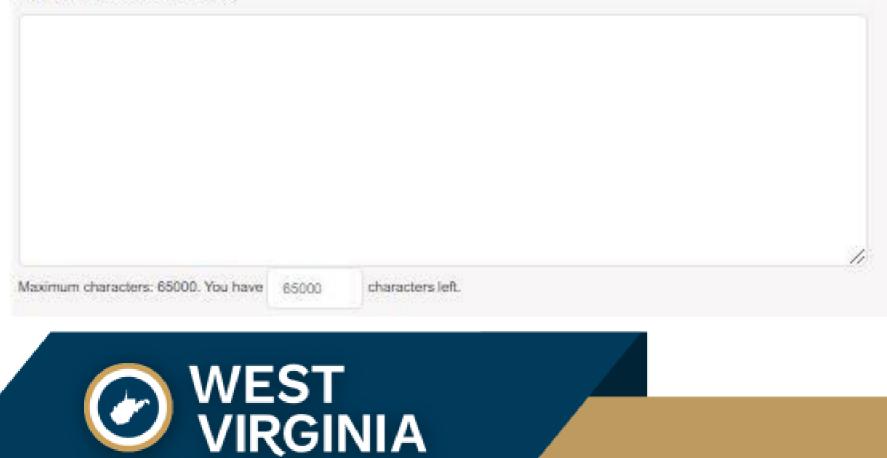
Briefly provide a general description of the scope of the proposed project.

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Maximum characters: 65000. You have	65000	characters left.	

2. Counties Affected:

List all affected counties.

Economic Development



Activity Log

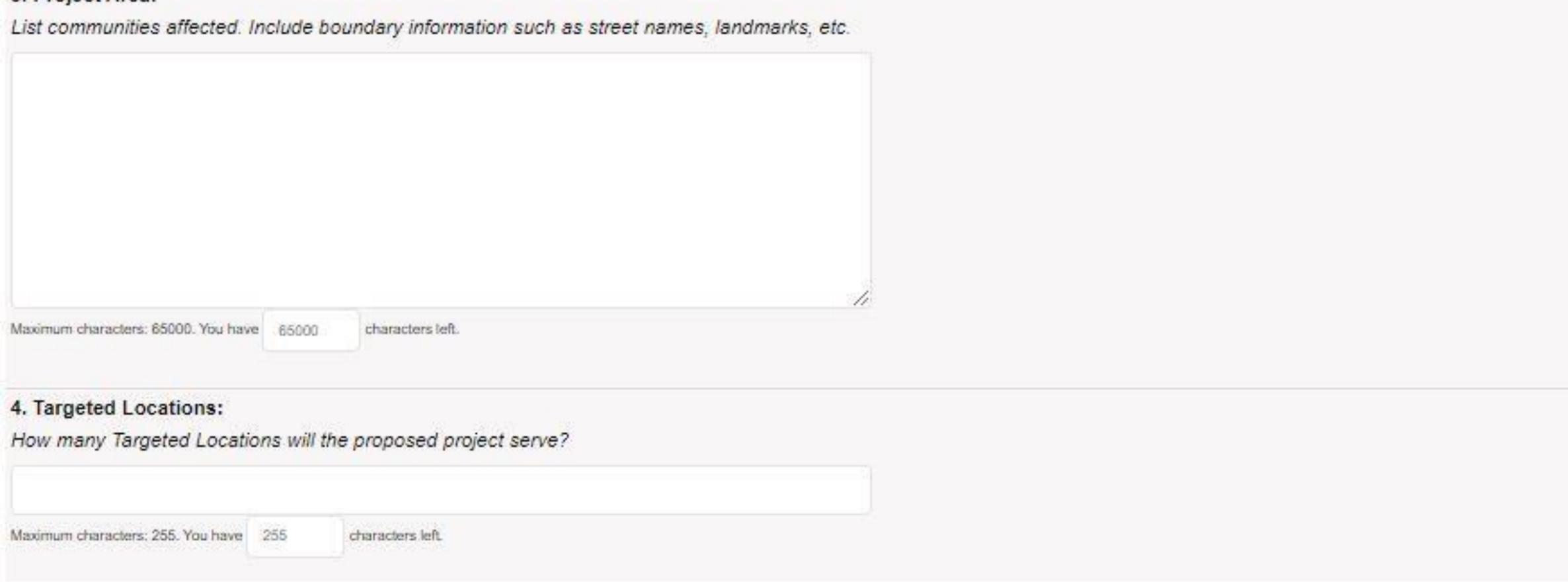
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3. Project Area:









Application Summary Information	Project Description	Application Questions	Proposed Services	Documents

Application Questions

Applicant Questions

Applicants can upload Optional Supplemental Information in the Documents section of the application.

1. Does the applicant have a current statement of existence from the West Virginia Secretary of State?

- Yes
- 0 No

2. Does the applicant have any prior default or significant violations under any federal, state, or local broadband expansion funding program, or any suspension or debarment as a vendor by the State of West Virginia or any Federal agency within three years?

Yes No

3. Can applicant's proposed project be completed within 24 months of award?





(answers are saved automatically when you move to another field)

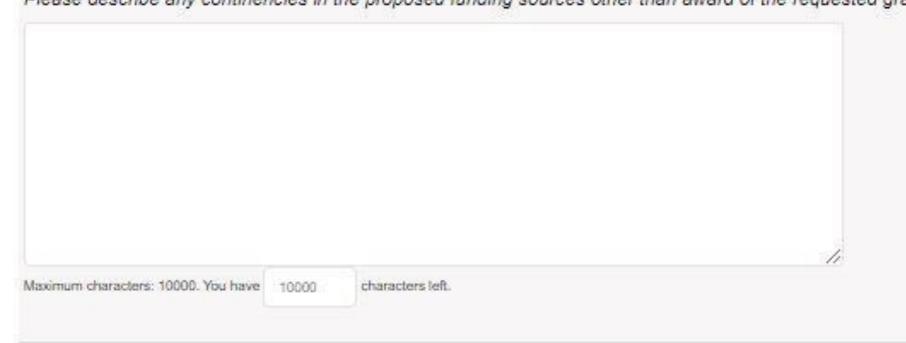








5. Has the applicant currently secured all the proposed sources of applicant match and other funding sources described in this application? Please describe any continencies in the proposed funding sources other than award of the requested grant funds.



Proposed Services

6. Can you commit to offering a service of at least 25/3 Mbps with no data caps to qualified end users that would be fully subsidized under the required affordability programs? US Treasury requires participation in the FCC's Affordable Connectivity Program (ACP) affordability program in funded areas, and will require participation in a similar affordability program after ACP runs out.

0 Yes 0

No

7. Describe any reduced-price tiers proposed by the applicant to low-income customers, and the applicant's participation in programs that provide assistance to low-income consumers, such as Lifeline or the Affordable Connectivity Program. Identify the download and upload speeds offered, data caps, the price or discount offered for both recurring and non-recurring charges, and how households may demonstrate eligibility.









8. Describe any proposed tiers or service offerings for residential or business customers that the Program should consider, other than those listed in the Proposed Services tab. This may include additional service tiers, promotional prices, prices available with a term contract, and bundled service offerings (Internet with voice or video, etc.)

Maximum characters: 65000. You have	65000	characters left.	/i:

9. Describe policies and charges governing non-standard installations, including standard drop lengths and charges for long drops.











Project Information

10. Identify the network technology standard or standards to be used in the proposed network.

GPON
EPON
NG-PON2
XGS-PON
Active Etherne
DOCSIS 3.0
DOCSIS 3.1
Other

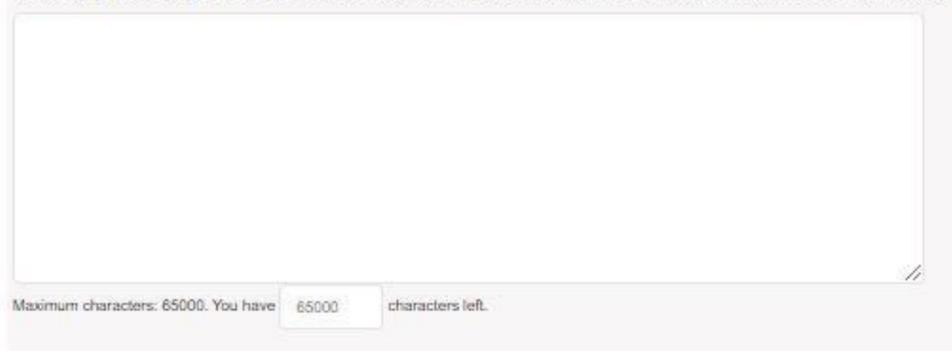
11. Identify the split ratio(s) to be used on the proposed facilities.

For PON Networks only, others answer "N.A."

Maximum characters: 255. You have 255

characters left.

12. If applicant's proposed service offering in funded areas is less than symmetrical 100 Mbps service, describe in detail how the proposed infrastructure and service offerings are scalable to 100 Mbps symmetrical service.









13. Describe the project's demonstrated community support through formation of a public-private partnership, local government land, facilities, or matching funds provided, local agreements to take service, response to presubscription campaigns.

Upload letters from units of local government, regional planning and development councils, or other community organizations describing support and, describing the need for and benefit of the proposed project on the Documents tab.



14. Describe how you would use labor standards such as prevailing wage agreements and local hire provisions.



Describe how you would comply with all applicable federal and state environmental laws.









15. Describe how you would comply with quarterly reporting requirements including, but not limited to, project and expenditure reports and performance reports.

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o overlaps with competing proposals?

neasured by number of Targeted addresses, with a proportional reduction in grant funding.

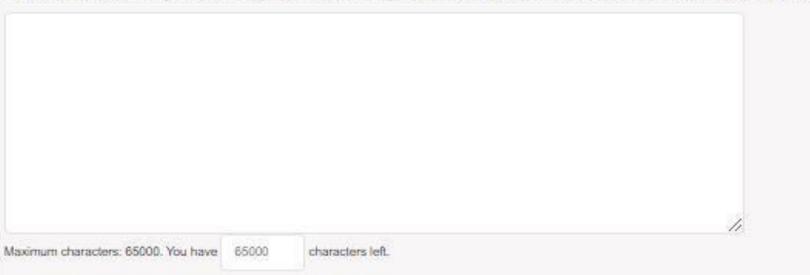
operate the proposed project.

endors.





19. Describe the degree of maturity of operating systems and processes that will support the proposed project.



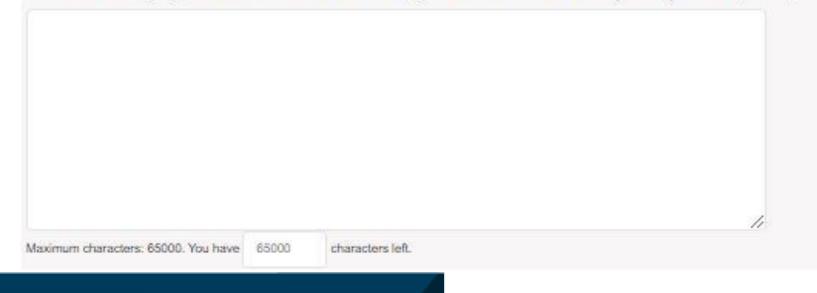
Describe the readiness of the proposed project to be constructed.

Address (i) the completion of preliminary engineering, (ii) the attainment of necessary permits, right-of-way access, and easements, and (iii) the completion of necessary pole and conduit licenses.



Describe the proposed project's impact within the community.

See "Community Impact Factors" in the MBPS Program Procedures for examples. Upload supporting documents describing the impact on the Documents tab as needed









Application Summary Information	Project Description	Application Questions	Proposed Services	Documents
Proposed Services				
Instructions Show/Hide				
Enter the applicant's proposed serv	ice offerings, performa	nce metrics and costs.		

Proposed Residential Services

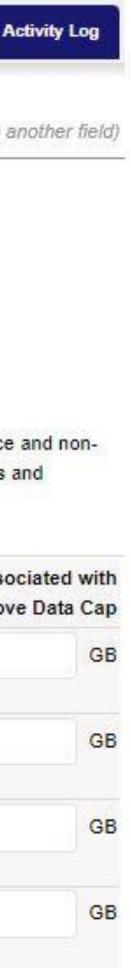
Identify up to four proposed residential internet service tiers. Include the highest performance tier typically offered to residential users. Pricing provided should be for stand-alone (unbundled) Internet service and nonpromotional. The "Data Cap" should be any level of cumulative usage in a month above which users (i) cannot continue to use the service, (ii) may only receive service with reduced performance ("throttling"), or (iii) incur extra charges for continued use. "Recurring Fees and Surcharges" should include all fees and surcharges not required by a governmental authority to be charged to the customer; include fees intended to recover from or pass through to the end user government assessments on the service provider.

Tiers	Download Speed	Upload Speed	Typical Maximum Latency	Data Cap (if no cap, enter NA)	Monthly Recurring Charge	Recurring Mandatory Equipment Charges	Other Recurring Fees and Surcharges Ad	Non-recurring Service ctivation or Equipment Fees	Charge for Use above Data Cap	Additional Usage Associa Charge for Use above I
Tier					S/month	S/month	\$/month	s	S/month	
1	Mbps	Mbps	ms	GB/month						
Tier					\$/month	S/month	S/month	S	S/month	
2	Mbps	Mbps	ms	GB/month						
Tier					S/month	S/month	S/month	S	S/month	
3	Mbps	Mbps	ms	GB/month						
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(answers are saved automatically when you move to another field)







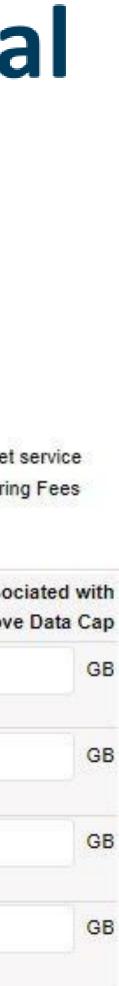
WV ARPA Broadband Investment Plan – Grants Portal https://broadband.wv.gov/ Click on "Online Grant Application"

Proposed Small Business Services

Identify up to four proposed small business internet service Include the highest performance tier typically offered to small business users and the most affordable tier typically offered to small business users. Pricing provided should be for stand-alone (unbundled) Internet service and non-promotional. The "Data Cap" should be any level of cumulative usage in a month above which users (i) cannot continue to use the service, (ii) may only receive service with reduced performance ("throttling"), or (iii) incur extra charges for continued use. "Recurring Fees and Surcharges" should include all fees and surcharges not required by a governmental authority to be charged to the customer; include fees intended to recover from or pass through to the end user government assessments on the service provider.

Tiers	Download Speed	Upload Speed	Typical Maximum Latency	Data Cap (if no cap, enter NA)	Monthly Recurring Charge	Recurring Mandatory Equipment Charges	Other Recurring Fees and Surcharges Ac	Non-recurring Service tivation or Equipment Fees		Additional Usage Associa Charge for Use above D
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Tier	T To				S/month	S/month	S/month	S	S/month	
2	Mbps	Mbps	ms	GB/month						
Tier			· · · · · · · · · · · · · · · · · · ·		S/month	S/month	S/month	S	S/month	
3	Mbps	Mbps	ms	GB/month						
Tier					\$/month	S/month	\$/month	S	S/month	
4	Mbps	Mbps	ms	GB/month						







Application Summary Information

Project Description

Application Questions

Proposed Services Documents

Documents

Instructions Show/Hide

Documents marked Required must be uploaded in order for the application to be submitted. Use documents available as download, complete and reattach). For files that exceed 4 MB, please attach a link using the template on the first row. This portal will also be used for downloading the Target Area Address Set.

Documents Requested 3

Proposed funded service area maps. Files submitted as shapefiles or a KMZ/KML file are preferred.

Use the following link to download the Target Area address data

Download template: Download TargetAreaAddress Datasets

MBPS Program Workbook with tabs for Budget Detail, Budget Summary, Funding Sources and Match, Budget Breakdown, Key Project Data and Addresses Passed. Use provided template and address data from https://broadband.wv.gov/ ***REQUIRED Download template: MBPS Round 2 Program Workbook

Existing network: If interconnected with an existing network, show the applicant's existing fiber or cable network routes within the municipalities, and site & coverage info of adjacent existing wireless sites. ***REQUIRED Download template: Existing Network

Project Plan and timeline with major milestones showing that the proposed project can be completed within 24 months of award. The plan should include any major contingencies in the plan. ***REQUIRED

High-level network design. Designs submitted must include all new routes needed to connect to the applicant's existing network. If network includes wireless, also upload required files. Files must be submitted as shapefiles or a KMZ/KML. ***REQUIRED Download template: High-level Network Design

Documents describing any reduced-price tiers proposed by the applicant for low-income customers.

Documents describing any other proposed tiers or service offerings for residential or business customers that the Program should consider.

Documents describing policies and charges governing non-standard installations, including standard drop lengths and charges for long drops

Letters from units of local government, regional planning and development councils, or other community organizations supporting and describing the need for and benefit of the proposed project.



Required?	Uploaded Documents *
	-none-
Required	-none-
	-none-
Required	-none-
	-none-
	-none-
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Required	-none-
Required	-none-









ZCOMGRANTS

File Upload Window

Document Requested

Resolutions authorizing pledged match amounts from the governing bodies of the pledging orga

1 File description	(e.g. IRS Letter, Financials, etc.)
2 Type of attachment	File Upload (file size limited to 4MB Link to File (YouTube, Dropbox, clou
3 Select a file to upload	Choose File No file chosen No '[' or ']' allowed in filenames. Be sure to include the file extension File size is limited to 4MB. Supported file extensions: .DOC, .XLS, .XLSM, .DOCX, .XLSX, .T .SXW, .ODT, .TAB, .CSV, .WKS, .SXC .PPTX, .PPS, .SXI, .ODP, .PDF, .GIF, .MW, .WAV, .AIF, .MP3, .MP4, .MID .WMV, .RM, .JPEG, .SHP, .SHX, .DBF .TIF, .TIFF
Document type	PROPOSAL DOCUMENT

Be sure to verify that your upload was successful by testing the link to download your file after this page reloads.



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Upload Now







WEST VIRGINIA Economic Development	Welcome, One Tilson Not One Tilson? HELP RESOURCES FULLSCREEN LOGOUT AAT
My Account Home / My Applications Account Profile My Account Home > Applications >	Search Search
My Account Home / Applications /	Refresh Page
West Virginia Department of Economic Development MBPS Round 2	Deadline 4/12/202

VIEW OPEN PROGRAMS

HIDE PROGRAM SUMMARY

HIDE REQUIREMENTS

CONTACT ADMIN

Program Summary [hide this]

The West Virginia Department of Economic Development ("Department"), in coordination with the West Virginia Broadband Enhancement Council and the State Broadband Office, will administer this Major Broadband Project Strategies Program ("Program") to increase the availability of broadband services available to West Virginians. The Major Broadband Project Strategies (MBPS) Program is part of the West Virginia Broadband Investment Plan (WVBIP) and will fund projects that can transform broadband availability accross a large part of West Virginia.

Requirements [hide this]

To contact Tilson Technology Management for technical assistance related to a WVBIP application or for assistance with the ZoomGrants application portal, please send questions to: wvarpaquestions@tilsontech.com

To contact the West Virginia Office of Broadband, please send questions to WVBroadband@wv.gov

Tilson One



























Anna Example Example Project

USD\$ 0.00 requested

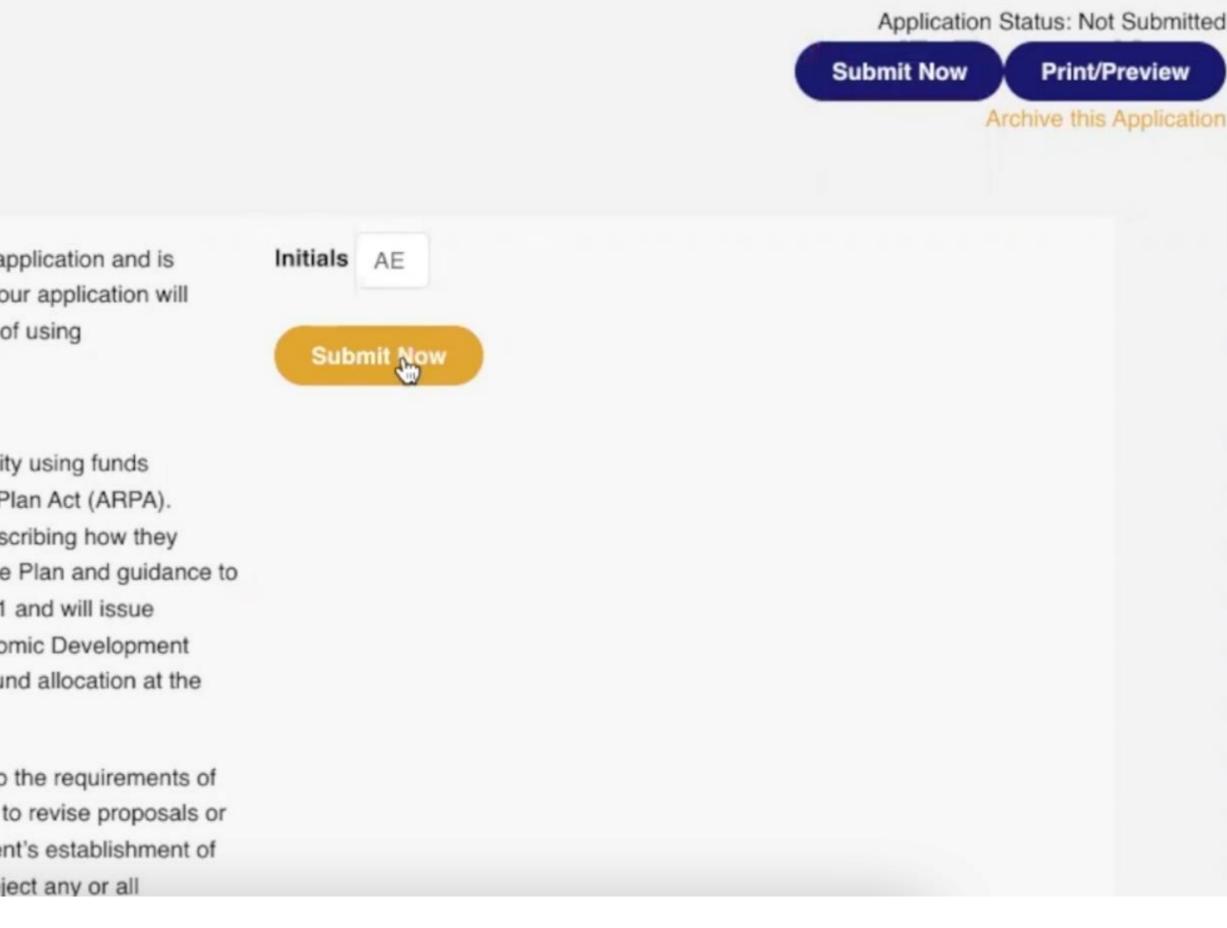
Application Completion [hide this]

By entering your initials here you certify this submission truthfully and accurately represents your application and is hereby submitted for review. Submission of this application does not, in any way, guarantee that your application will yield a favorable result. Submission of this application also indicates your agreement to the terms of using ZoomGrants[™].

The West Virginia Department of Economic Development intends to support this funding opportunity using funds allocated to the State of West Virginia through the Capital Projects Fund of the American Rescue Plan Act (ARPA). According to guidance published by the U.S. Treasury, states will be required to provide a plan describing how they intend to use allocated funds under the Capital Projects Fund consistent with the American Rescue Plan and guidance to be issued by Treasury. Treasury will begin to accept applications for review in the summer of 2021 and will issue guidance before that date.[1] By announcing this program, the West Virginia Department of Economic Development seeks to identify projects that it can include in its application for West Virginia's Capital Projects Fund allocation at the soonest possible date.

While the West Virginia Department of Economic Development expects that projects conforming to the requirements of this Program will be eligible for funding under the Capital Projects Fund, applicants may be asked to revise proposals or provide supplemental information following the West Virginia Department of Economic Development's establishment of final procedures. The West Virginia Department of Economic Development reserves the right to reject any or all









bide this Success! This application has been submitted.	
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This emplication has been submitted	
This application has been submitted.	
This application has been submitted.	
We have sent you a confirmation email (from Notices@ZoomGrants.com).	
Additional confirmation is the presence of a submission timestamp instead of the Submit Now button.	
Download a PDF copy	













Applicants

Articles and resources for users acting as applicants who submit online applications through ZoomGrants

Getting Started

Managing Applications

Application Owners, Collaborators, and Additional Contacts

On the applicant side of ZoomGrants, there are three sets of users who can be associated with an application: One...

Setting Up Your Applicant Account and Creating Applications

You'll need to have a ZoomGrants account in order to be able to submit an application to an organization that is using...



Home	Administrators	Applicants	Reviewers	Collaborators	All Articles	Submit A Ticket
				Q Search		

Frequently Asked Questions





https://broadband.wv.gov/ Click on "Online Grant Application"

Help.ZoomGrants.com

Questions@ZoomGrants.com



WV ARPA Broadband Investment Plan – Grants Portal

866-323-5404 x2



Completing the Program Budget Template Workbook

INSTRUCTIONS

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		Total New or Upgraded Wireless Acc project.
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Program Budget and Pro Forma Template

or later required. Excel 2010 or later recommended. lease enter information in the order of the tabs below to correctly prompt calculated fields. on, but must complete all information to be considered for implementation funding. e. Only input data in blue shaded fields such as shown at right.-----

oplications," at broadband.wv.gov to view and to download the Target Area address set in CSV, assed addresses in your GIS application or in Excel. Export results as an Excel or CSV file. Open the fields) as the column headers of B through E in the Addresses Covered table. Copy and paste the ole. The maximum table size is 60,000 addresses. Contact the Department for assistance if your oposed addresses. The count of Targeted Addresses must match the estimated number of e Areas Proposed Tab.

asting, there should be a paste options box that appears, click into that and select Paste Values 123.

icant Name provided in On-line Grant Application.

Name provided in On-line Grant Application. Choose a unique name for each project proposed. umber of aerial new fiber or cable miles proposed by the project, enter numbers only. Total number of underground new fiber or cable miles proposed by the project, enter numbers

ccess Points in Project - Total number of new or upgraded wireless access points proposed by the

nber of addresses that the project will cover, both Targeted Addresses and Other Addresses. number of customers in West Virginia is greater than the number shown. (Number is 10x the Total

or any difference between the Total Addresses Covered and the Maximum Passings from the

ADDRESSES COVERED

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A	В	С	D	E
	2,229 Site Address IDs, 1,937 Targeted Addresses listed.	Prior to application submission, please re if any, v	eview Site Address ID values in t which will be <mark>h</mark> ighlighted in red.	
2	WEST VIRGINIA Economic Development	ADDRESSES C	OVERED	
3	SiteAddID	Street Address	Municipality	TargetAreaClassification
	SID54001-20426	2088 PEEL TREE RD	PHILIPPI	Targeted
	SID54001-20427	2102 PEEL TREE RD	PHILIPPI	Targeted
	SID54001-20428	2202 PEEL TREE RD	PHILIPPI	Targeted
	SID54001-20429	2222 PEEL TREE RD	PHILIPPI	Targeted
	SID54001-20432	835 GNATTY CREEK RD	PHILIPPI	Targeted
	SID54001-20433	397 WARD RD	PHILIPPI	Other Address
D	SID54001-20434	460 BILLS CREEK RD TRLR	BELINGTON	Targeted
1	SID54001-20435	604 BILLS CREEK RD	BELINGTON	Targeted
2	SID54001-20436	3126 MIDWAY RD	BELINGTON	Targeted
3	SID54001-20437	3198 MIDWAY RD	BELINGTON	Targeted
1	SID54001-20438	3235 MIDWAY RD	BELINGTON	Targeted
5	SID54001-20439	3237 MIDWAY RD	BELINGTON	Targeted
5	SID54001-20440	3545 MIDWAY RD	BELINGTON	Targeted







KEY DATA

24 * Image: Completion Image: Completion A B C D E F A B C D E F Applicant Name: Bits of Almost Heaven, LLC Project Name: Mega Bits of Broadband Project Total New Miles of New Aerial Plant in Project: 95 Total New or Upgraded Wireles 0.322 Percentage Underground: Maximum Passings from Project Does the Project Pass Addresses Equal to or Less than 10% of the Applicant's Existing Customers in West Virginia? Describe the reason for any differe Addresses Covered and Maximum Cash Flow tab: No No No No	File Hom	ne Insert	Page Layout	Formulas	Data	Review	View	Automate	Help	Acrobat
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KEY DATA FORM

	Total Grant Request	Amount:	Grant Amount Per Target	ed Address:
	\$	3,262,000	\$	1,68
	Total Addresses Cov	ered:	Applicant Match % of Elig	ible Costs
		2,229		28.5
oints in Project:	Total Matching Fund	ls:	Total Project Eligible Cost	Per Covered Address:
1	\$	1,303,289	\$	2,04
tab:	Total Project Eligible	Cost:	Addresses Covered Per Mi	le of New Plant
2,629	\$	4,565,289		23.3
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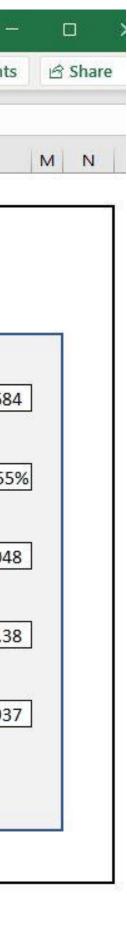
Funding Sources and Match

Budget Breakdown

Operating Costs Detail

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CAPITAL BUDGET DETAIL

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WEST VIRGINIA	BUDGET DETAIL ELIGIBLE COST	SONLY			
ltem	Cost Category	Unit Costs (\$)	Unit Type	Unit Quantities (#)	TOTAL
Design and Engineering	Engineering	\$ 4,000.00	mile	95.00	\$ 380,000.00
Utility License Application Fee	Permitting, Easements and Encroachment Acquisition	\$ 12.00	pole	2,074.50	\$ 24,894.00
Make-ready	Pole Placement and Pole Make-Ready	\$ 8,000.00	mile	95.00	\$ 760,000.00
48 CT FIBER	Fiber Optic and Coaxial Cable	\$ 0.30	foot	63,204.50	\$ 18,961.35
96 CT FIBER	Other MaterialsUnderground	\$ 0.50	foot	66,010.50	\$ 33,005.25
72 CT FIBER	Fiber Optic and Coaxial Cable	\$ 0.40	foot	94,034.50	\$ 37,613.80
5/16" EHS Strand (5,000' rolls)	Other MaterialsAerial	\$ 1,150.00	roll	114.50	\$ 131,675.00
24" W x 36" L x 24" D Vault	Other MaterialsUnderground	\$ 390.00	vault	485.00	\$ 189,150.00
Install MST	Aerial Construction Labor	\$ 200.00	serving terminal	1,191.00	\$ 238,200.00
Trench 30" with Conduit and Fiber	Underground Construction Labor	\$ 15.00	foot	1,793.00	\$ 26,895.00
Contract Install - Residential	Customer Premise Installation Labor	\$ 280.00	drop	2,444.00	\$ 684,320.00
Drop cable	Customer Premise Installation Materials	\$ 115.00	drop	2,685.00	\$ 308,775.00
000-00951 - 803G, 1 GE, 1 POTS -AM Type A Power Adapter	Customer Premise Equipment (CPE)	\$ 90.00	subscriber	1,760.00	\$ 158,400.00
Site work, fence, power	Equipment shelter, land, site preparation, and site restoration costs	\$ 30,000.00	site	1.00	\$ 30,000.00
GPON Ports	Headend/Central Office/Remote Cabinet Equipment and Installation	\$ 400.00	Port	106.00	\$ 42,400.00
Construction Project Management	Project and Construction Management	\$ 1,900.00	mile	95.00	\$ 180,500.00
Aerial Plant Installation	Aerial Construction Labor	\$ 7,500.00	mile	95.00	\$ 712,500.00
Wireless site	Access Radios and Powering Equipment	\$ 30,000.00	site	1.00	\$ 30,000.00
Tower site acquisition	Towers and Tower Improvement/Installation Costs	\$ 8,000.00	site	1.00	\$ 8,000.00
Tower site A&E and Permitting	Towers and Tower Improvement/Installation Costs	\$ 20,000.00	site	1.00	\$ 20,000.00



	Un	it Costs (\$)	Unit Type	Unit Quantities (#)	-	TOTAL
	\$	4,000.00	mile	95.00	\$	380,000.00
tion	\$	12.00	pole	2,074.50	\$	24,894.00
	\$	8,000.00	mile	95.00	\$	760,000.00
	\$	0.30	foot	63,204.50	\$	18,961.35
	\$	0.50	foot	66,010.50	\$	33,005.25
	\$	0.40	foot	94,034.50	\$	37,613.80
	\$	1,150.00	roll	114.50	\$	131,675.00
	\$	390.00	vault	485.00	\$	189,150.00
	\$	200.00	serving terminal	1,191.00	\$	238,200.00
	\$	15.00	foot	1,793.00	\$	26,895.00
	\$	280.00	drop	2,444.00	\$	684,320.00
	\$	115.00	drop	2,685.00	\$	308,775.00
	\$	90.00	subscriber	1,760.00	\$	158,400.00
e restoration costs	\$	30,000.00	site	1.00	\$	30,000.00
ent and Installation	\$	400.00	Port	106.00	\$	42,400.00
	\$	1,900.00	mile	95.00	\$	180,500.00
	\$	7,500.00	mile	95.00	\$	712,500.00
	\$	30,000.00	site	1.00	\$	30,000.00
s	\$	8,000.00	site	1.00	\$	8,000.00
s 🔒	\$	20,000.00	site	1.00	\$	20,000.00



PROJECT CAPITAL COST SUMMARY—ELIGIBLE COSTS

442	•	: ×	√ f _x						234 		
A			- JA	В				C	h	D	E
	A 14	/EST							10		
	0	IRGINIA									
	Economic	Development		Targete	d Addres	ses covered	l exceed	10% of Appli	cant's exis	ting custome	ers in W
				E	stimated	Quarter f	or Comp	letion of G	rant-Fund	led Project:	4
	2	PR	OJECT BUE	OGET CO	ST SU	MMAR	Y El	IGIBLE	COSTS		Year
	Cost Ca	tegory							TOTAL		Quarte
	Enginee	and the second							\$	380,000	
	-		ments and Encro	achment Aco	quisition				\$	24,894	
	121011112	en and an and the	and Pole Make-R						\$	760,000	
)			Coaxial Cable	100 B					\$	56,575	
	10 March 10	Aaterials-							\$	131,675	
	Other M	Aaterials-	Underground						\$	222,155	
6	Aerial (Constructi	ion Labor						\$	950,700	
1	Underg	round Co	nstruction Labor						\$	26,895	
K.	Custom	er Premis	se Installation La	bor					\$	684,320	
	Custom	er Premis	se Installation M	aterials					\$	308,775	
6	Custom	er Premis	se Equipment (Cl	PE)					\$	158,400	
	Equipm	ent shelt	er, land, site pre	paration, and	site res	toration co	sts		\$	30,000	
5	Cable N	lodes							\$	(a)	
	Towers	and Tow	er Improvement/	Installation	Costs				\$	328,000	
	Backha	ul Radios	(including midd	e-mile) and	Powering	g Equipmer	nt		\$	325	
	Access	Radios a	nd Powering Equ	ipment					\$	30,000	
	Header	d/Centra	I Office/Remote	Cabinet Equ	ipment a	nd Installa	tion		\$	42,400	
	Project	and Cons	struction Manage	ement					\$	180,500	
	Subscri	be <mark>r Mana</mark>	gement Equipme	ent					\$	3 0 13	
•	Other E	ligible Co	osts (must detail	on Budget D	etail)				\$	3737-9	
N O	Subtota	1							\$	4,315,289	
£.	Long-Te	erm Lease	es						\$	250,000	
6	TOTAL								¢.	4,565,289	





1	Per	ods Prior to Project		1		1		1		1		2		2	Detail on
r	0	perations		1		2		3		4		5		6	cost
-	\$	380,000			1						-				cost
	\$	24,894									1			6 1	required
	\$	248,000	\$	250,000	\$	250,000	\$	12,000							required
	\$	(2,586)	\$	25,000	\$	25,000	\$	9,161							pro
	\$	131,675											5 5		pro Ta
	\$	33,005					\$	100,000		89,150	3			6	Ta
	\$	765,500	Ş	50,000	Ş	50,000	\$	50,000		35,200	8		2		
	\$	(26,880)	ć	450.000	~	450.000	\$	20,000		33,775	2			8	address
	\$	84,320		150,000	\$	150,000	\$		\$	150,000	-				
	\$	28,775 38,400	1000	70,000 30,000	ş	70,000 30,000	ş Ş	70,000 30,000	100.0	70,000 30,000	-			-	larger that
	\$	30,000	Ş	50,000	Ş	30,000	Ş	30,000	Ş	50,000	-		2	67	—
	\$	-									û.		8	1.8	of e
	\$	328,000											1.5		
	\$	2													CU
	\$	-			\$	30,000									
	\$	42,400													counts
	\$	20,500	\$	40,000	\$	40,000	\$	40,000	\$	40,000					
	\$	-									-				
	\$	-									-				
	\$	2,126,003	\$	615,000	\$	645,000	\$	481,161	\$	448,125	\$	-	\$	-	
_	\$	250,000													
-	\$	2,376,003	\$	615,000	\$	645,000	\$	481,161	\$	448,125	\$	-1	\$	-	





PROJECT CAPITAL COST SUMMARY—INELIGIBLE COSTS

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\bullet : $\times \checkmark f_x$															
В	C	D	E	F		G	Н		1		J		ĸ	1	L
TOTAL	ې د	4,565,289		\$ 2,376,003		15,000 \$	645,000	ė /	481,161	ć	448,125	ć	_	ć	
TOTAL	Ŷ	4,363,265	1	\$ 2,370,003	2 U	13,000 3	645,000	· , ·	+01,101	ş	440,123	ş		ş	
DROJECT RUDGET COST SUMMARY INFLICIRI			[
PROJECT BUDGET COST SUMMARY INELIGIBL	E CAPITAL C	0313 0													
CAPITAL COSTS AFTER COMPLETION OF GRANT	F-FUNDED P	ROJECT	Year	Periods Prior to		1	1		1		1		2		2
				Project											
Cost Category	ΤΟΤΑΙ		Quarter	Operations		1	2		3	_	4	-	5		6
Engineering	Ş														
Permitting, Easements and Encroachment Acquisition	Ş	11 4 12													
Pole Placement and Pole Make-Ready	Ş														
Fiber Optic and Coaxial Cable	Ş														
Other MaterialsAerial	Ş	37.8													
Other MaterialsUnderground	\$	121													
Aerial Construction Labor	\$	141													
Underground Construction Labor	\$	376													
Customer Premise Installation Labor	\$	632,602										\$	25,600	\$	32,
Customer Premise Installation Materials	\$	158,150										\$	6,400	\$	8,
Customer Premise Equipment (CPE)	\$	128,497										\$	5,200	\$	6,
Equipment shelter, land, site preparation, and site restoration costs	\$	323													
Cable Nodes	\$	3 5 3													
Towers and Tower Improvement/Installation Costs	\$	121													
Backhaul Radios (including middle-mile) and Powering Equipment	\$	1.4													
Access Radios and Powering Equipment	\$	876													
Headend/Central Office/Remote Cabinet Equipment and Installation	\$	228													
Project and Construction Management	\$	11 - 11													
Subscriber Management Equipment	\$														
Other Capital Costs	\$	343	-												
Subtotal	\$	919,249	Î î	\$ -	\$	- \$	5	\$	87	\$	1070	\$	37,200	\$	46,
Long-Term Leases	\$	124	3 33												
TOTAL	¢	919,249	jā s	Ś -	ć	- \$		ć	-	ć	5 - 5	Ś	37,200	ć	46,



ineligible costs required only if address counts larger than 10% of existing counts in WV.





FUNDING SOURCES AND MATCH

Home Insert Page Layout Formulas	Data Review View Aut	comate Help Acrobat Table	e Design						2	Commen	11
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В	C		D	E	F	G	Н	1	J	K	
WEST VIRGINIA Economic Development	FUNDING	SOURCES AND MATCH				es covered ex existing custor					
Total Requested Grant Funds:	\$ 3,262,000.00										
Total Match, Including Debt:	\$ 1,303,289.40	(28.548% of Eligible Project Cost	. Match limited to Eligible Costs less Requested Grant Fo	inds.)							
Other Funding Sources:	\$ 90,000.00										_
Total Funding Sources:	\$ 5,092,000.00	(111.537% of Eligible Project Cos	t)		Timbre	(F		tan A. W	611mm Tak	-1	52
		1		Available Prior	Timing of	f Funds Avai	ability (En	ter As 70 0	T LINE I OT	al Amou	
				to Project							
Funding Amount (\$)	Funding Source	Funding Source Details		Operations	Q1	Q2	Q3	Q4	Q5	Q6	
\$ 3,262,000,00	Grant Funds Requested from										
\$ 940,000.00	Match from applicant	Investor cash		100%							
	Other Matching Grant Funds	County funds		50%	50%						
\$ 200,000.00		20-year loan secured by assets of	the network	100%							Ĩ
\$ 400,000.00	Other Matching Grant Funds	ARC Grant		50%	50%						
\$ 90,000.00	Other (must describe)	Community presubscription campa	aign	100%							
				100%							Ĩ
				100%							
				100%							
				100%							
				100%							
				100%							
				100%							
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				100%			-				
				100%							
				100%							
				100%							

Detail on timing of funds only required if proposing Targeted address counts larger than 10% of existing customer counts in WV.





Budget Breakdown (Incor

Home Insert Page Layout Formulas Data Review View Automate Developer Help Acrobat Power Pivot File

F25		\bullet : \times \checkmark f_x							
	А	В		С		D		E	
1		WEST VIRGINIA Economic Development Budget B	real	down of E	ligi	ble Costs			
2 3 4 5		Total Requested Grant Funds:	\$	3,262,000.00					
4		Total Match:		1,303,289.40					
5		Other Funding Sources Used for Eligible Costs:	Ş	-					_
6		Cost Category	Cost	Category Total		Grant Funds	L.	Natching Funds	
7		Engineering	\$	380,000.00	Ś	269,800.00		110,200.00	
8		Permitting, Easements and Encroachment Acquisition	\$	24,894.00	\$	17,675.00		7,219.00	
9		Pole Placement and Pole Make-Ready	\$	760,000.00	\$	539,600.00		220,400.00	
10		Fiber Optic and Coaxial Cable	\$	56,575.15	\$	40,168.15		16,407.00	
11		Other MaterialsAerial	\$	131,675.00	\$	93,489.00		38,186.00	
12		Other MaterialsUnderground	\$	222,155.25	\$	157,730.25		64,425.00	
13		Aerial Construction Labor	\$	950,700.00	\$	674,997.00		275,703.00	
14		Underground Construction Labor	\$	26,895.00	\$	19,095.00		7,800.00	
15		Customer Premise Installation Labor	\$	684,320.00	\$	485,867.00		198,453.00	
16		Customer Premise Installation Materials	\$	308,775.00	\$	219,230.00	\$	89,545.00	
17		Customer Premise Equipment (CPE)	\$	158,400.00	\$	112,464.00	\$	45,936.00	
18		Equipment shelter, land, site preparation, and site restoration costs	\$	30,000.00	\$	21,300.00	\$	8,700.00	
19		Cable Nodes	\$	-	\$	-	\$	-	
20		Towers and Tower Improvement/Installation Costs	\$	328,000.00	\$	232,880.00	\$	95,120.00	
21		Backhaul Radios (including middle-mile) and Powering Equipment	\$	-	\$	-	\$	-	
22		Access Radios and Powering Equipment	\$	30,000.00	\$	21,300.00	\$	8,700.00	
23		Headend/Central Office/Remote Cabinet Equipment and Installation	\$	42,400.00	\$	30,104.00	\$	12,296.00	
24		Project and Construction Management	\$	180,500.00	\$	126,155.00	\$	52,345.00	\$
25		Subscriber Management Equipment	\$	-	\$	-	\$	-	
26		Other Eligible Costs (must detail on Budget Detail)	\$	-	\$	-	\$	-	
27		Long-Term Leases	\$	250,000.00	\$	177,500.00	\$	72,500.00	
28		TOTAL	\$	4,565,289.40	\$	3,239,354.40	\$	1,323,935.00	\$

equal amount from

Funding Sources tab! from Funding Sources

tab



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1	
Other Funds Used for Eligible Costs	
2,000.00	
2,000.00	
2,000.00	

Grant funds total must Matching funds total Other funds total must must equal amount equal amount shown at top for Other Funding Sources Key Data | Capital Budget Detail | Project Capital Cost Summary | Funding Sources and Match Budget Breakdown Operating Costs Detail ... 🕂 : 📢

Validation requires entered values in Grant, Matching, and Other Funds





Budget Breakdown (Correct)

Home Insert Page Layout Formulas Data Review View Automate Developer Help Acrobat Power Pivot

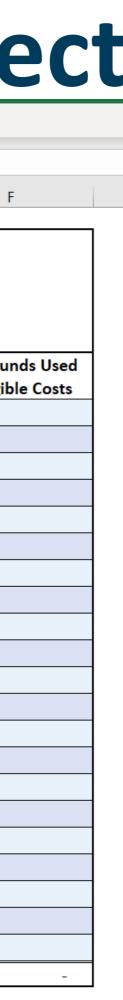
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Economic Development						
Total Requested Grant Funds:	-	3,262,000.00				
Total Match: Other Funding Sources Used for Eligible Costs		1,303,289.40				
Other Funding Sources Used for Eligible Costs:	\$	-				Other Fund
Cost Category	Cost	Category Total	Grant Funds	м	atching Funds	for Eligible
Engineering	\$	380,000.00	\$ -	\$	380,000.00	
Permitting, Easements and Encroachment Acquisition	\$	24,894.00	\$ -	\$	24,894.00	
Pole Placement and Pole Make-Ready	\$	760,000.00	\$ 760,000.00			
Fiber Optic and Coaxial Cable	\$	56,575.15	\$ 56 <mark>,</mark> 575.15			
Other MaterialsAerial	\$	131,675.00	\$ 131,675.00			
Other MaterialsUnderground	\$	222,155.25	\$ 190,857.85	\$	31,297.40	
Aerial Construction Labor	\$	950,700.00	\$ 674,997.00	\$	275,703.00	
Underground Construction Labor	\$	26,895.00	\$ 19,095.00	\$	7,800.00	
Customer Premise Installation Labor	\$	684,320.00	\$ 485,867.00	\$	198,453.00	
Customer Premise Installation Materials	\$	308,775.00	\$ 219,230.00	\$	89,545.00	
Customer Premise Equipment (CPE)	\$	158,400.00	\$ 112,464.00	\$	45,936.00	
Equipment shelter, land, site preparation, and site restoration costs	\$	30,000.00	\$ 21,300.00	\$	8,700.00	
Cable Nodes	\$	-	\$ -	\$	-	
Towers and Tower Improvement/Installation Costs	\$	328,000.00	\$ 232,880.00	\$	95,120.00	
Backhaul Radios (including middle-mile) and Powering Equipment	\$	-	\$ -	\$	-	
Access Radios and Powering Equipment	\$	30,000.00	\$ 21,300.00	\$	8,700.00	
Headend/Central Office/Remote Cabinet Equipment and Installation	\$	42,400.00	\$ 30,104.00	\$	12,296.00	
Project and Construction Management	\$	180,500.00	\$ 128,155.00	\$	52,345.00	
Subscriber Management Equipment	\$	-	\$ -	\$	-	
Other Eligible Costs (must detail on Budget Detail)	\$	-	\$ -	\$	-	
Long-Term Leases	\$	250,000.00	\$ 177,500.00	\$	72,500.00	
TOTAL	\$	4,565,289.40	\$ 3,262,000.00	\$	1,303,289.40	\$

Key Data | Capital Budget Detail | Project Capital Cost Summary | Funding Sources and Match
 Budget Breakdown | Operating Costs Detail | ... + :





Validation requires entered values in Grant, Matching, and Other Funds



OPERATING COSTS DETAI

* : ×	√ f _x 1000											
	В	D		E		F		G		н		
WEST VIRGINIA	Та	rgeted Addresses covered exceed 10% of Applicant's existing customers in Year and Quarter		TRUE								
	0	PERATING COST DETAIL					1					
ltem			Q1		Q2		Q3		Q4		Q5	
Aerial OSP Main	tenance & Repair	Aerial Plant Maintenance and Repair Costs	Ś	5,069	Ś	5,069	\$	5,069	\$	5,069	\$	5
	P Maintenance & Repair	Underground Plant Maintenance and Repair Costs	Ś	100	1	100	11111	100		100	22	
Technical Netwo		Salaries and Benefits	Ś	21,450		21,450	1902	21,450		21,450		21
Field Employees		Salaries and Benefits	\$	24,570		24,570	1000	24,570	10000	24,570		24
Employee Tools		Other Employee Costs	\$	113		113	1000	113	\$	113		
Pole Attachment	s	Pole and Conduit Licenses	\$	17,949	\$	17,949	\$	17,949	\$	17,949	\$	17
Leased Transpor	t	Internet Bandwidth and Leased Transport Costs	\$	3,500	\$	3,500	\$	3,500	\$	3,500	\$	З
Customer Suport	Contracts	Customer Service and Support	\$	3,800	\$	4,988	\$	5,700	\$	6,460	\$	7
3rd-party OTT se	rvice vendors	Other Costs of Services Sold	\$	1,600	\$	2,100	\$	2,400	\$	2,720	\$	3
Employee Comp	ensation	Salaries and Benefits	\$	30,000	\$	30,000	\$	30,000	\$	30,000	\$	30
Sales Commissio	ns	Costs to Acquire and Add New Customers	\$	3,000	\$	3,000	\$	3,000	\$	3,000	\$	3
Employee Benef	ts	Salaries and Benefits	\$	10,000	\$	10,000	\$	10,000	\$	10,000	\$	10
Pension Plan Co	ntributions	Salaries and Benefits	\$	3,000	\$	3,000	\$	3,000	\$	3,000	\$	3
Insurance		General & Administrative Costs	\$	1,500	\$	1,500	\$	1,500	\$	1,500	\$	1
Legal Fees		General & Administrative Costs	\$	500	\$	500	\$	500	\$	500	\$	
Office Supplies		General & Administrative Costs	\$	200	\$	200	\$	200	\$	200	\$	
Payment in Lieu	of Taxes	Other Non-Income-Based Taxes	\$	1,000	\$	1,000	\$	1,000	\$	1,000	\$	1
Rent		Other Costs	\$	6,000	\$	6,000	\$	6,000	\$	6,000	\$	6
Repair & Mainte	nance costs	General & Administrative Costs	\$	1,500	\$	1,500	\$	1,500	\$	1,500	\$	1
Utility Costs		General & Administrative Costs	\$	1,500	\$	1,500	\$	1,500	\$	1,500	\$	1
Advertising Cost	-	Costs to Acquire and Add New Customers	\$	3,000	\$	3,000	\$	3,000	\$	3,000	\$	3



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9	Search

required only if address counts larger than 10% of existing counts in WV.

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Data shown does not represent an actual project.

This tab proposing Targeted customer



OPERATING COST SUMMARY

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	WEST VIRGINIA Economic Development Targeted Addresses covered	exceed 10	% of Applic	ant's	s existing cu	stom	ers in WV:		TRUE						
		Yea	r and Qua	rter-	>										
	OPERATING COST SUMMARY				1	1						2	2		
	Cost Category	20	Q1		Q2		Q3	9)	Q4	Q5		Q6	G:	Q7	Q8
	Costs to Acquire and Add New Customers	\$	6,000	\$	6,000	\$	6,000	\$	6,000	\$ 6,000	\$	6,000	\$	6,000	\$ 6
	Customer Service and Support	\$	3,800	\$	4,988	\$	5,700	\$	6,460	\$ 7,410	\$	8,598	\$	9,809	\$ 10
	Salaries and Benefits	\$	89,020	\$	89,020	\$	89,020	\$	89,020	\$ 89,020	\$	89,020	\$	89,020	\$ 89
	Other Employee Costs	\$	113	\$	113	\$	113	\$	113	\$ 113	\$	113	\$	113	\$
	Aerial Plant Maintenance and Repair Costs	\$	5,069	\$	5,069	\$	5,069	\$	5,069	\$ 5,069	\$	5,069	\$	5,069	\$ 5
	Underground Plant Maintenance and Repair Costs	\$	100	\$	100	\$	100	\$	100	\$ 100	\$	100	\$	100	\$
	Pole and Conduit Licenses	\$	17,949	\$	17,949	\$	17,949	\$	17,949	\$ 17,949	\$	17,949	\$	17,949	\$ 17
	Internet Bandwidth and Leased Transport Costs	\$	3,500	\$	3,500	\$	3,500	\$	3,500	\$ 3,500	\$	3,500	\$	3,500	\$ 3
	Operating Systems and Support	\$	828	\$	25	\$	823	\$	(12)	\$ 2	\$	2243	\$	21	\$
	Fiber Lease Costs	\$	-	\$	-	\$	3 0 32	\$	-	\$ -	\$		\$	-	\$
	Wireless Tower and Base Station Equipment Costs	\$		\$	or Barrow	\$		\$		\$ 	\$	-	\$		\$
	Credit Card Fees	\$	1,124	\$	1,461	\$	1,664	\$	1,877	\$ 2,147	\$	2,485	\$	2,822	\$ 3
	Other Costs of Services Sold	\$	1,600	\$	2,100	\$	2,400	\$	2,720	\$ 3,120	\$	3,620	\$	4,130	\$ 4
	Vehicle Costs	\$	5,500	\$	5,500	\$	5,500	\$	5,500	\$ 5,500	\$	5,500	\$	5,500	\$ 5
	Franchise and Other Revenue-Based Taxes	\$		\$	-	\$	(H)	\$		\$ -	\$		\$	=	\$
	Other Non-Income-Based Taxes	\$	2,450	\$	2,450	\$	2,450	\$	2,450	\$ 2,450	\$	2,450	\$	2,450	\$ 2
	General & Administrative Costs	\$	8,000	\$	8,000	\$	8,000	\$	8,000	\$ 8,000	3.52	8,000	\$	8,000	\$ 8
	Other Costs	\$	6,000	\$	6,000	\$	6,000	\$	6,000	\$ 6,000	\$	6,000	\$	6,000	\$ 6
	TOTAL	\$	150,224	\$	152,249	\$	153,464	\$	154,757	\$ 156,377	\$	158,402	\$	160,461	\$ 162







PROJECT CASH FLOW—REVENUE DRIVERS

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BC	D	E	F	G	н	1	J	к
WEST VIRGINIA Economic Development								
Targeted Addresses covered exceed 10% of Applicant's ex	isting customers in WV:	TRUE						
Project Projected Cash Flows	Quarterly Cash Flows							
/ear	Periods Prior to	1	1	1	1	2	2	
Quarter	Project Operations	1	2	3	4	5	6	
Revenue Drivers								
Enterprise Passings		16	17	18	19	19	19	19
Residential Passings		1,800	1,900	2,000	2,100	2,250	2,407	2,40
Commercial Passings		95	100	105	110	110	110	11
Total Passings		1,911	2,017	2,123	2,229	2,379	2,536	2,53
New Passings								
New Enterprise Passings		16	1	1	1	÷	8	-
New Residential Passings		1,800	100	100	100	150	157	2
New Commercial Passings		95	5	5	5	5	5	15
Total New Passings		1,911	106	106	106	150	157	-
		12213	1000	10.22	1000	80.00	10.42	1222
Enterprise Take Rate		0%	0%	0%	5%	5%	5%	119
Residential Take Rate		8%	11%	15%	17%	18%	19%	219
Commercial Take Rate		11%	10%	10%	10%	10%	10%	10
otal Enterprise Subscribers			Ê	Ĩ	1	1	1	
otal Residential Subscribers		150	200	300	350	400	450	50
Fotal Commercial Subscribers		10	10	10	11	11	11	1
Total Subscribers		160	210	310	362	412	462	51
interprise Average Revenue Per Subscriber (per Quarter)	S	2,100.00 \$	2,100.00 \$	2,100.00 \$	2,100.00 \$	2,100.00 \$	2,100.00 \$	2,100.0
Residential Average Revenue Per Subscriber (per Quarter)	s	225.00 \$	225.00 \$	225.00 \$	225.00 \$	225.00 \$	225.00 \$	225.0
Commercial Average Revenue Per Subscriber (per Quarter)	\$		370.00 \$	370.00 \$	370.00 \$	370.00 \$	370.00 \$	370.0
nterprise Average Revenue Per Subscriber (per Month)	\$	700.00 \$	700.00 \$	700.00 \$	700.00 \$	700.00 \$	700.00 \$	700.00
Residential Average Revenue Per Subscriber (per Month)	\$	75.00 \$	75.00 \$	75.00 \$	75.00 \$	75.00 \$	75.00 \$	75.00
Commercial Average Revenue Per Subscriber (per Month)	\$	123.33 \$	123.33 \$	123.33 \$	123.33 \$	123.33 \$	123.33 \$	123.3
					0.100 Å	2.100	2 100 6	4.00
Interprise Revenue	\$	- \$	- \$	- >	2,100 \$	2,100 \$	2,100 \$	4,200
Residential Revenue	\$	33,750 \$	45,000 \$	67,500 \$	78,750 \$	90,000 \$	101,250 \$	112,50
Commercial Revenue		3,700 \$	3,700 \$	3,700 \$	4,070 \$	4,070 \$	4,070 \$	4,07
	5	15,000 \$	15,000 \$	15,000 \$	15,000 \$	15,000 \$	15,000 \$	15,00
Other Revenue, Please Briefly Describe> Dark Fiber Leases	6	52,450 \$	63,700 \$	86,200 \$	99,920 \$	111,170 \$	122,420 \$	135,77



This tab required only if proposing Targeted address counts larger than 10% of existing customer counts in WV.



PROJECT CASH FLOW—EXPENSES AND CAPITAL SOURCES

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5	▼ : × ✓ f _x 150												
A	В	C		D	E		F	G	Н	1	J	K	L
	Economic Development Targeted Addresses covered	ed exceed 10% of Applicant's existing	g custom	ers in WV:	TRU	JE							
	Project Projected Cash Flows		Quarter	ly Cash Flow	s								
Year	,,		1100 C	ls Prior to		1	1	1	1	2	2	2	
Quarte	er			Operations		1	2	3	4	5	6	7	
Opera	ting Expenses		-		(\$1	150,224)	(\$152,249)	(\$153, <mark>46</mark> 4)	(\$154,757)	(\$156,377)	(\$158,4 <mark>0</mark> 2)	(\$160,461)	(\$162,4
Net O	perating Income				\$	(97,774) \$	(88,549) \$	(67,264) \$	(54,837) \$	(45,207) \$	(35,982) \$	(24,691) \$	(15,4
	perating Income Margin					186.41%	-139.01%	-78.03%	-54.88%	-40.66%	-29.39%	-18.19%	-10.5
Intere	st Expense		\$	(2,500)	\$	(2,482) \$	(2,463) \$	(2,444) \$	(2,425) \$	(2,406) \$	(2,386) \$	(2,367) \$	(2,3
Incom	e Taxes											5- 	
Progra	am Grant Funds Requested	71.45% of Eligible Project Costs	\$	1,072,71 <mark>4</mark>	\$ 6	515,000 \$	645,000 \$	<mark>481,161</mark> \$	448,125 \$	- \$	- \$	- \$	25
Other	Grant Funds		\$	2	\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	02
Opera	ting Subsidy, Please Briefly Describe	> Municipal assistance with Opex			\$	50,000 \$	50,000 \$	50,000 \$	50,000 \$	45,000 \$	35,000 \$	20,000 \$	15,0
Net In	come		\$	1,070,214	\$ 5	564,745 \$	603,989 \$	461,454 \$	440,863 \$	(2,613) \$	(3,368) \$	(7,058) \$	(2,8
Capita	l Expenditures		\$	(2,126,003)	\$ (6	515,000) \$	(645,000) \$	(481,161) \$	(448,125) \$	(37,200) \$	(46,500) \$	(47,430) \$	(46,5
	lative CapEx		1.000	(2,126,003)	1000 CO.	741,003) \$		(3,867,164) \$		(4,352,489) \$	(4,398,989) \$	(4,446,419) \$	(4,492,9
Unlev	ered Free Cash Flow		\$	(1,055,789)	\$	(50,256) \$	(41,012) \$	(19,708) \$	(7,262) \$	(39,813) \$	(49,868) \$	(54,488) \$	(49,3
Cumul	lative FCF		\$	(1,055,789)	\$ (1,2	106,045) \$	(1,147,056) \$	(1,166,764) \$	(1,174,026) \$	(1,213,839) \$	(1,263,707) \$	(1,318,195) \$	(1,367,5
Capita	l Lease Payments		\$	(250,000)	\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	50 5
Issuan	ce of Debt		\$	200,000	\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	23
Repay	ment of Debt				\$	(1,469) \$	(1,488) \$	(1,506) \$	(1,525) \$	(1,544) \$	(1,563) \$	(1,583) \$	(1,6
Levere	ed Free Cash Flows		\$	(1,105,789)	\$	(51,725) \$	(42,500) \$	(21,214) \$	(8,787) \$	(41,357) \$	(51,431) \$	(56,071) \$	(50,9
The second	Capital Sources		Ś	1,330,000	A	300,000 \$	- \$	- Ś	- \$	- \$	- \$	- \$	



This tab required only if proposing Targeted address counts larger than 10% of existing customer counts in WV.



SUMMARY OUTPUT

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1 2 3 4	Key Project Metrics					Targeted Add
;	Total Grant Request Amount:	\$	3,262,000	71.45% of Eligi	ble Project C	osts
	Total Matching Funds:	\$		28.55% of Eligi	Sec. 29 23 23.03	
	Other Funding Sources:	\$	90,000			
	Total Eligible Project Costs:	\$	4,565,289			
0	Total Addresses Covered:		2,229			
1	Targeted Addresses Covered:		1,937			
2	Grant Amount Per Targeted Address:	\$	1,684.05			
3	Applicant Match % of Eligible Costs:		28.55%			
4	Total Eligible Cost Per Covered Address:	\$	2,048.13			
5	Total New Miles of New Plant in Project:		95			
-	Total Cost Per Mile of New Plant:	\$	47,894			
6			23.38			

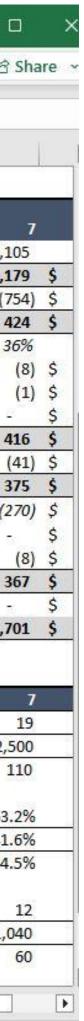


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Home Insert Page Layout	Formulas	Data Revie	ew	View	A	Automate	Н	elp Acr	obat					🖓 Comme	nts	ß
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A		В		с		D		E		F		G		н		I.
mmary Cash Flow (\$T)	199 million															
ar		s Prior to Project Operations		1		2		3		4		5		6		
erage Subscribers				261		488		687		873		1,007		1,070		1,10
venue			Ś	302	Ś	516	Ś	715	Ś	936	Ś	1,091	Ś	1,147	Ś	1,17
erating Expenses			\$	(611)	\$		\$		\$	(706)	\$	(729)	\$		\$	(75
t Operating Income			\$	(308)	1.000	0.022.00		43	\$	231	\$	362	\$	401	\$	42
Net Operating Income Margin				-102%		-23%	-	6%	10	25%		33%	-	35%		36
erest Expense	\$	(3)	\$	(10)	\$	(10)	\$	(9)	\$	(9)	\$	(8)	\$	(8)	\$	1000
(es	\$	140	\$	÷	\$	040	\$	-	\$	(1)	\$	(1)	\$	(1)	1000	
oital and Operating Subsidies	\$	1,073	\$	2,389	\$	115	\$	12.1	\$	5 ⁰⁰⁰	\$	300	\$	2000	\$	2
t Income (inc. Operating Subsidy)	\$	1,070	\$	2,071	\$	(16)	\$	34	\$	221	\$	653	\$	391	\$	41
pital Expenditures	\$	(2,126)	\$	(2,189)	\$	(178)	\$	(206)	\$	(171)	\$	(115)	\$	(84)	\$	(4
levered FCF	\$	(1,056)	\$	(118)	\$	(193)	\$	(172)	\$	50	\$	537	\$	307	\$	37
Cumulative FCF	\$	(1,056)	\$	(1,174)	\$	(1,368)	\$	(1,539)	\$	(1,489)	\$	(952)	\$	(645)	\$	(2)
oital Lease Payments	\$	(250)	\$	27 2626. T	\$	105 00 00 10 7 0	\$		\$	2008 - 00 20	\$	100	\$	18 1843 17	\$	- 30 50
uance (Repayment) of Debt	\$	200	\$	(6)	\$	(6)	\$	(7)	\$	(7)	\$	(7)	\$	(8)	\$	
vered FCF	\$	(1,106)	\$	(124)	\$	1	\$	(178)	\$	43	\$	530	\$	299	\$	30
pital Sources	\$	1,330	\$	300	\$		\$	105000.000	\$	2	\$	1271	\$	5	\$	5
t Cash	\$	224	\$	400	\$	200	\$	462	\$	505	\$	1,035	\$	1,334	\$	1,70
e Rate Data																
ar				1		2		3		4	8	5		6		
ar End Enterprise Passings				19		19		19		19		19		19		
ar End Residential Passings				2,100		2,407		2,407		2,407		2,500		2,500		2,5
ar End Commercial Passings				110		110		110		110		110		110		1
erprise Take Rate				5.3%		10.5%		21.1%		42.1%		63.2%		63.2%		63.
sidential Take Rate				16.7%		22.9%		29.9%		35.7%		39.2%		40.4%		41.0
mmercial Take Rate				10.0%		10.0%		27.3%		54.5%	0	54.5%		54.5%		54.5
ar End Enterprise Subscribers				1		2		4		8		12		12		
ar End Residential Subscribers				350		550		720		860		980		1,010		1,0
ar End Commercial Subscribers				11		11		30		60		60		60		10
Project Cash Flow	ary Output	(+)												•		





Key Compliance Obligations

POST-AWARD REPORTING AND MONITORING

OVERSIGHT OF PROJECTS AFTER AWARD WILL BE AS IMPORTANT AS SELECTION OF PROJECTS

- Submission of network designs and as-builts
- Review of expenses and requests for reimbursement
- Progress reporting to meet state and federal obligations
- Field audits to verify constructed plant completeness and quality
- Participation in state broadband mapping

Carefully review the Guide to Reporting and Compliance Obligations for West Virginia ARPA Broadband Investment Plan Subrecipients!







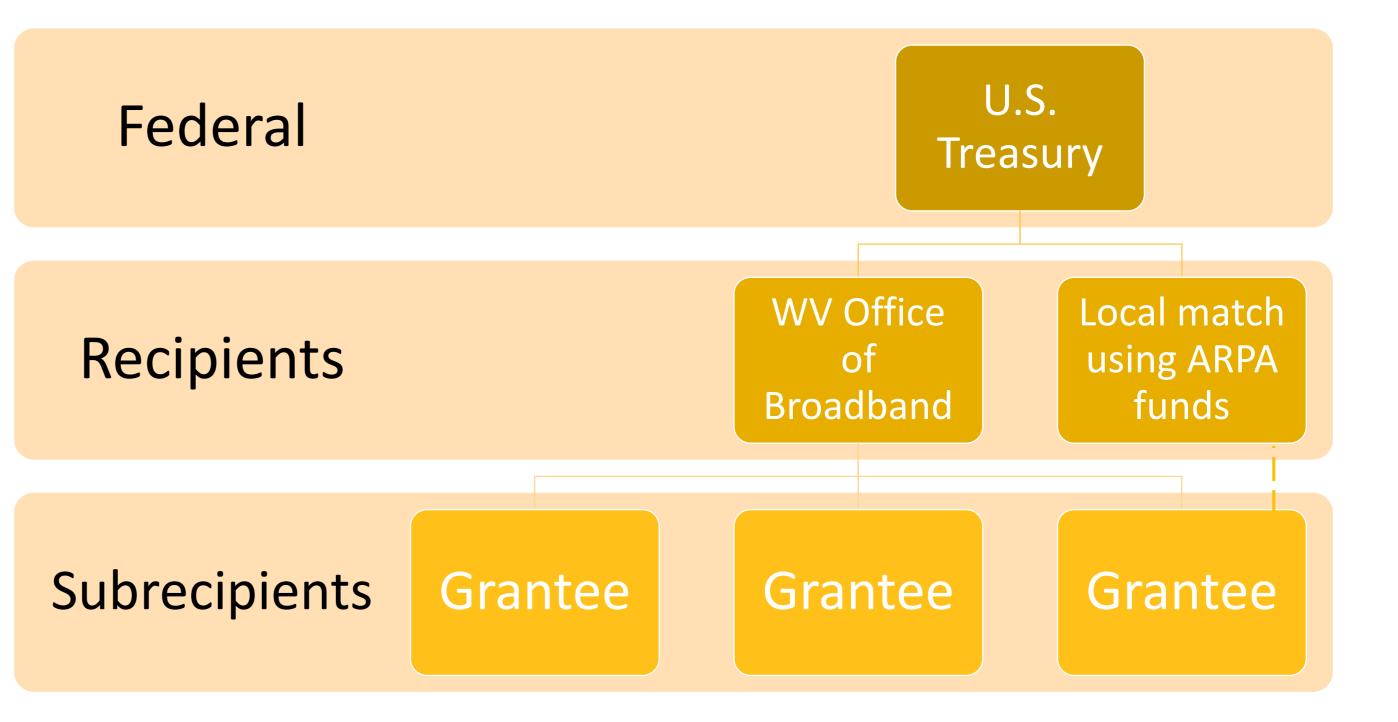


RECIPIENTS AND SUBRECIPIENTS SUBRECIPIENTS HAVE FEDERAL AND STATE OBLIGATIONS

Subrecipients/grantees must:

- Comply with
 - \circ $\,$ terms and conditions of award $\,$
 - o statutory/regulatory requirements, and
 - Treasury's requirements for subrecipients
- Provide the Office of Broadband with any and all information requested, so that it may report to the Treasury







COSTS MUST BE REASONABLE AND ALLOCABLE

In general, under the Federal Uniform Guidance, Costs must be:

- (1) Necessary and Reasonable for the performance of the Federal award;
- (2) Be incurred specifically for the Federal award;
- (3) Be adequately documented



- West Virginia MBPS program requirements are sometimes more specific:
 - Indirect costs are not reimbursable.
 - Operating expenses are ineligible.
 - Internal administrative activities are ineligible. \bullet

Costs that appear excessive and/or without justification and costs not considered eligible will not be reimbursed!



GENERAL COMPLIANCE OBLIGATIONS

Grantees should refer to the WVDED's ARPA Subrecipient Compliance and Reporting Guidance Document for Awardees, available at https://broadband.wv.gov/.

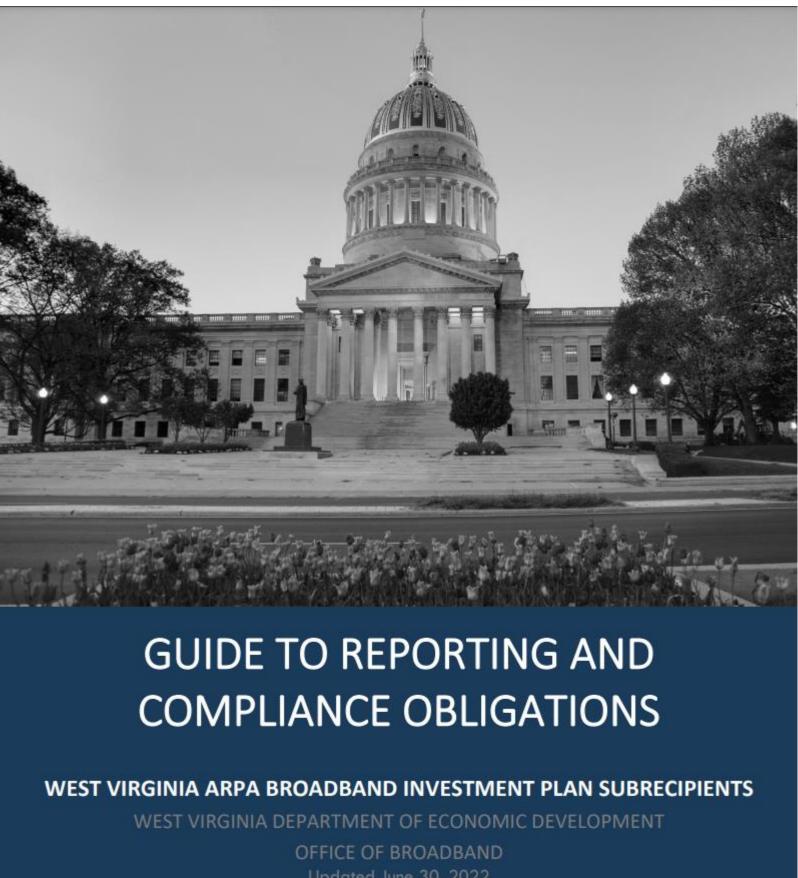
Among the compliance requirements required of Grantees:

- Annual State Broadband Reporting (W.Va. Code §31G-1A-3)
- **Recordkeeping Obligations**
- Submission of project data to WVDED for quarterly and annual reporting
- Internal controls/monitoring of awards
- Audit Requirements (WV Grant Transparency and Accountability Act W.Va. Code §12-4-14)
- Strong Labor Practices, compliance w/ all applicable federal laws/regulations
- Labor Reporting for Projects receiving \$5M or more (CPF); over \$10M (SLFRF)
 - Certifications regarding prevailing wages for contractors/subcontractors
 - Certifications regarding Project Labor Agreements (pre-hire collective

bargaining agreements)

- Whether Projects prioritize local hires
- Whether Projects have a Community Benefit Agreement







GENERAL COMPLIANCE OBLIGATIONS – Cont'd

Grantees should refer to the WVDED's ARPA Subrecipient Compliance and Reporting Guidance Document for Awardees, available at https://broadband.wv.gov/.

Among the compliance requirements required of Grantees:

- civil rights, for example:
 - Title IV of Civil Rights Act of 1964
 - Rehabilitation Act of 1973
 - Age Discrimination Act of 1975
- from certain prohibited vendors (Huawei, ZTE, etc.)
- entities (per 2 CFR 200.318(c))
- Participation in the FCC's Affordable Connectivity Program



Civil Rights Compliance with all Federal and State laws prohibiting unlawful discrimination/violations of

National Defense Authorization Act (2019) – relating to procurement of telecommunications equipment

Competitive Procurement Policies (Avoidance of Conflicts of interest/disclosures of affiliated business



Environmental and Historic Preservation Compliance

FEDERAL ENVIRONMENTAL COMPLIANCE APPLICABILITY

Federal Environmental Law Compliance Awardees must comply with all applicable federal environmental laws—WVDED will provide a checklist as part of Grantee's Grant Agreement with WVDED.

Potentially applicable laws include but are not limited to:

- The Endangered Species Act
- Clean Water Act
- Clean Air Act
- National Historic Preservation Act (NHPA)
- Resource Conservation and Recovery Act (RCRA)
- National Environmental Policy Act (NEPA)





PERMITTING REQUIREMENTS GENERAL

* West Virginia Division of Highways (DOH) permitting processes; (Dig Once, encroachment/bond permits)

* Underlying municipal, county, state fees/permits/approvals;



Grantees are responsible for complying with all applicable permitting requirements for infrastructure projects in rights-ofway, including:

* Federal agency approvals (if within federallydesignated lands)





HISTORIC PRESERVATION NATIONAL HISTORIC PRESERVATION ACT SECTION 106

Grantees must:

Section 106 of the National Historic Preservation Act to the Project;

2.) Submit any information required by SHPO; and

Department will issue a notice to proceed for the Project.

4.) Grantees should also submit documentation of their SHPO compliance to the WVDOH.



1.) Confer with the West Virginia State Historic Preservation Office (SHPO) regarding the applicability of

- 3.) Receive a communication from SHPO that no further action is required related to a Project before the



Notices to Proceed

REQUEST FOR NOTICE TO PROCEED WITH EXEMPT ACTIVITIES

 Prior to construction, the WVDED requires grantees to complete a number of requirements, in a two-step Notice to Proceed process. This process includes

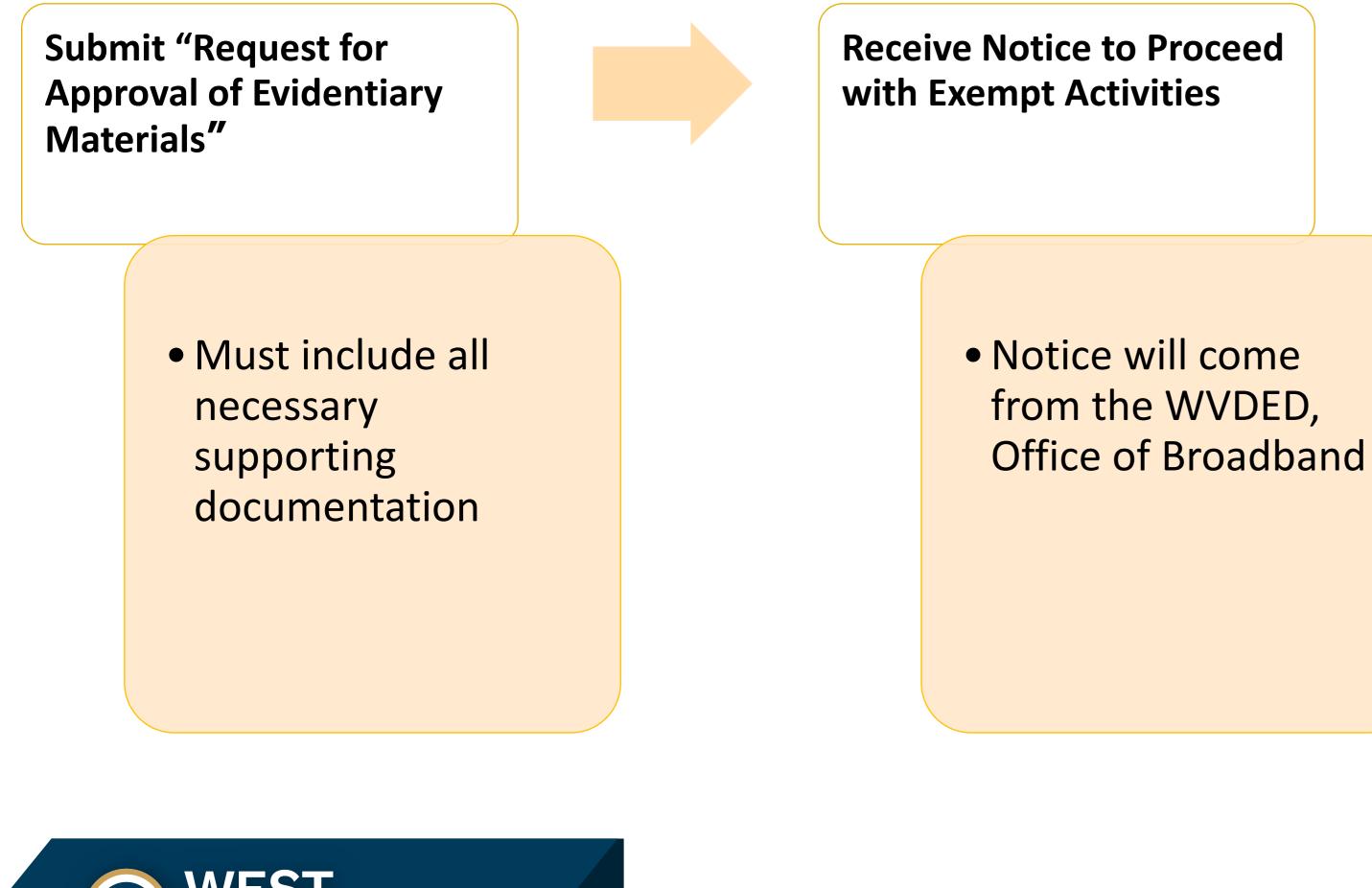
Step One: Notice to Proceed with Exempt Activities; and

Step Two: Notice to Proceed with Construction





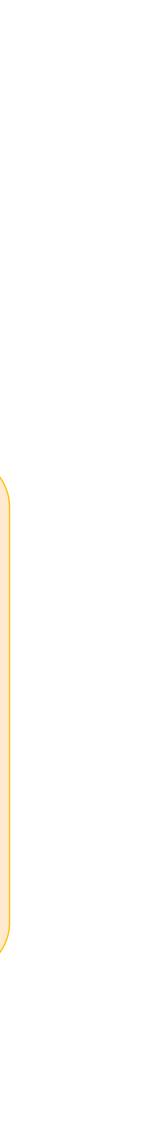
NOTICE TO PROCEED WITH EXEMPT ACTIVITIES GRANTEES MUST RECEIVE THIS NOTICE BEFORE MAKING ANY ELIGIBLE EXPENDITURES





Awardee may begin to spend pledged match on "soft costs"

- Engineering functions and permit applications /ROW practices activities may begin
- Logistical efforts may take place



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ADDITIONAL STEPS BEFORE CONSTRUCTION & GRANT FUNDING

Notice to Proceed with Exempt Activities

May begin preconstruction activities once received

May begin to spend match

May request grant funds for preconstruction activities, if required match is fully spent

Design is also required to request Notice to Proceed with **Construction Activities**

May request grant funds for construction activities <u>only</u> after also receiving Notice to Proceed with Construction



Submit Engineered Design

Notice to Proceed with Construction

May begin construction activities once received

May request grant funds for construction activities, if required match is fully spent



Quarterly Progress Report

QUARTERLY REPORTING DATA SPECIFIC REPORTING ITEMS

INCLUDING BUT NOT LIMITED TO:

- General identifying information
- Completion status
- Gross revenues from Federal funding
- Project-level data
 - Project technology types (Planned/Actual)
 - Total miles of fiber deployed (Planned/Actual)
 - Total number of locations served (Planned/Actual)
 - Total number of locations served, broken out by speeds (Pre and Post-ARPA investment)
 - Total number of funded locations served, broken out by type (Planned/Actual)
- Speed tiers offered and pricing
- Confirmation of provider participation in FCC Affordable Connectivity Program
- Location by location project information
 - Technology used to offer service at location
 - Location type (Residential, business, Community Anchor Institution)
 - Speed tier at location pre-ARPA investment
 - Speed and latency at location post ARPA investment (maximum download and upload speeds offered and delivered)







SPEED TEST REQUIREMENTS

PER TREASURY AND FCC GUIDANCE

- Speed and latency tests must be from customer premises of an active subscriber
- 95 percent of latency measurements must fall at or below 100 milliseconds round-trip time
- Based on FCC Orders (see links below), there are requirements for testing involving:
 - End points for testing ullet
 - Daily Test Periods ullet
 - ullet
 - Number of test locations (depending on number of subscribers in a state) •
 - **Testing Frequency:** FCC requires quarterly testing for speed and latency ullet
 - **Flexibility/Choice in testing Methods** \bullet

2018 FCC Order: <u>https://www.fcc.gov/document/wcb-wtb-and-oet-adopt-performance-measures-caf-</u> recipients 2019 FCC Order: https://www.fcc.gov/document/fcc-takes-steps-enforce-quality-standards-rural-2019 broadband





At least one download test and one upload test per testing hour at each subscriber test location







WEST VIRGINIA **Economic Development**



West Virginia Development Office State Capitol Complex 1900 Kanawha Boulevard East Building 3, Suite 600 Charleston, WV 25305

(304) 558-2234

westvirginia.gov