West Virginia’s Broadband Investment Plan

Line Extension Advancement and Development (LEAD) – Round 2
Program Overview
February 17, 2023

This Webinar Will Be Recorded
DISCLAIMERS

• The LEAD Program will use funding allocated to the State of West Virginia under the American Rescue Plan Act (ARPA). Program parameters are subject to ARPA, U.S. Treasury Rules, and other federal and state requirements.

• Visit broadband.wv.gov and the U.S. Treasury’s website for additional information.
KEY DOCUMENTS TO REVIEW AND UNDERSTAND

DOCUMENTS HAVE BEEN PUBLISHED OR WILL BE SHORTLY AFTER PROGRAM LAUNCH

1. Program Procedures

2. Guide to Reporting and Compliance Obligations for West Virginia ARPA Broadband Investment Plan Subrecipients

3. Target Address Maps

4. Application questions and required documents template in ZoomGrants Online Application

Applicants should also read and understand U.S. Treasury Rules and Guides for ARPA Funding.
WV ARPA Broadband Investment Plan

https://broadband.wv.gov/
Program Overview
LEAD PROGRAM

WHAT AND WHO THIS PROGRAM IS FOR

Program Purpose:

• A state grant program to fund extensions of existing last-mile cable modem and fiber-to-the-premise broadband networks that can be constructed quickly
• $30M is targeted for this funding opportunity
• The program will use funds allocated to West Virginia through the American Rescue Plan Act (ARPA) Capital Projects Fund (CPF), and the State and Local Fiscal Recovery Fund (SLFRF) programs, administered by the U.S. Dept. of the Treasury

LEAD is for:

• Internet service providers that have an existing fiber-to-the-premise or cable network offering service of at least 100 Mbps download and 20 Mbps upload to mass-market users that can be extended to Targeted premises in West Virginia
PROJECT SIZE

PROJECTS SHOULD BE LINE EXTENSIONS, NOT MAJOR NEW NETWORKS

• Proposed projects must extend an existing cable or fiber network.

• Proposed projects may not each contain address counts exceeding 10% of applicants’ existing customers counts in West Virginia and neighboring states.

• Individual proposed projects may not contain Targeted addresses from more than two counties in West Virginia. Applicants may however submit more than one proposed project containing Targeted Addresses from more than two counties in the aggregate.

• Applicants submitting proposals requesting more than $8,000,000 in grant funding may be asked to divide the proposal.

• Applicants are encouraged to group projects into packages of not fewer than 50 Targeted addresses.
**PROGRAM TIMELINE AND PROJECT REVIEW**

- **Feb. 3, 2023**
  - Program Announcement

- **Feb. 17, 2023**
  - Online Application
  - Opening Target

- **March 22, 2023**
  - Application Deadline

**Application Review**

- Check eligibility
- Check if project is preferred / non-preferred
- Project prioritization / scoring
ELIGIBILITY CRITERIA

KEY REQUIREMENTS AND PREFERENCES FOR IMPLEMENTATION FUNDING

Last-Mile, Unserved Project Focus
- Projects must extend last-mile service to unserved addresses in Target Area addresses.
- 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, 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 Mbps.

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 difficulty of the project.

Affordability
- Applicants will be required to participate in the FCC’s Affordable Connectivity Program (ACP)
GRANT-ELIGIBLE EXPENDITURES

ELIGIBLE PROJECT ACTIVITIES AND COSTS INCLUDE:

• One-time capital expenditures made after the date of the grant award announcement

• 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!
PROJECT MATCH

MINIMUM MATCH AND ADDITIONAL MATCH

• Applicants must provide at least $500 *per passed address* as match.
  • Additional match, up to $1500 per passed address, provides points during project scoring.

• Match may be cash provided by the applicant or debt funding raised by the applicant for the project.

• Match must pay for grant-eligible expenses.

• Match must be spent prior to reimbursement from grant funds.

• No contingent sources or in-kind contributions are allowed as match.
PROJECT EXAMPLE

HOW TO COUNT “PASSED ADDRESSES”

• Count all “Targeted” addresses proposed.

• Also count all non-Targeted addresses within 250 feet of the proposed project route.

• Include in the project budget the cost of any facilities needed to reach Targeted addresses.

• Do not include in the project budget the cost of any facilities that only serve non-Targeted passed addresses, like drops or customer premise equipment.

Map shown does not represent an actual project.
PASSED ADDRESSES

Targeted addresses may be set back more or less than 250’ from proposed route.

Non-Targeted addresses more than 250’ from proposed route may be included in addresses passed count.

Non-Targeted addresses within 250’ of proposed route must be included in addresses passed count.

Non-Targeted addresses more than 250’ from proposed route need not be included in addresses passed count.

Map shown does not represent an actual project.
MATCH WAIVERS

APPLICANTS MAY SEEK WAIVERS

Matching Funds

• May ask to provide less than the required minimum or count sources not from the applicant as match
• Applicants must include waiver request with the application
• Must explain why it is infeasible for applicant to provide minimum match
• Must document efforts to obtain matching funds
• WVDED may request additional information from applicants
WAIVERS

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

Applications seeking and not receiving a waiver may become ineligible.

The Department may prioritize funding applications not requesting a waiver over those that do.
PREFERRED AND NON-PREFERRED PROJECTS

REACHING THE “END OF THE LINE”

PREFERRED
Projects Reaching the “End of the Line”

• “End of line” addresses are those Targeted addresses that would be very difficult to reach except by overbuilding the proposed project.

• Preferred projects are prioritized for review and funding decisions.

NON-PREFERRED
Projects Not Reaching the “End of the Line”

• May be funded but may take longer to review.

• May be funded only after some or all “Preferred” applications.
### Project Prioritization

**Scoring Criteria for Implementation Funding of Viable Projects**

<table>
<thead>
<tr>
<th>Technical (up to 50 points total)</th>
<th>Financial (up to 50 points total)</th>
<th>Broadband Development Impact (up to 50 points total)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Readiness (up to 30 points)</td>
<td>Cost-Efficiency (up to 40 points)</td>
<td>Affordability (up to 10 points)</td>
</tr>
<tr>
<td>Speed of Proposed Services (up to 20 points)</td>
<td>Matching Funds (up to 10 points)</td>
<td>Community Impact (up to 40 points)</td>
</tr>
</tbody>
</table>

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

TECHNICAL

Commitment of proposed match sources

Completion of preliminary engineering

Attainment of necessary permits, right-of-way access, and easements

Completion of necessary pole and conduit licenses

Gig Speed

The ability of the proposed project to serve customers at a gigabit speed
# PROJECT PRIORITIZATION

## FINANCIAL

<table>
<thead>
<tr>
<th>Cost Efficiency</th>
<th>Cost relative to the difficulty of the project</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Metrics like cost per mile or cost per premise passed</td>
</tr>
<tr>
<td></td>
<td>Factors like low density, extensive make-ready, unavoidable underground construction</td>
</tr>
</tbody>
</table>

| Matching Funds  | The amount of matching funds provided, over and above the minimum of $500 per passed address |
# PROJECT PRIORITIZATION

## BROADBAND DEVELOPMENT IMPACT

### Affordability

- How low are residential prices?
- Is there a discounted service for low-income consumers that is fully covered by the FCC ACP subsidy?

### Community Impact Factors

- 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
- The project has strategic partnerships involved in the proposed project, for example, electric utilities, universities, and federal, state, or local 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
Using the Target Area Map Data
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 Mapping System

Two classes for grant applicants:

- **Targeted** – Addresses estimated not to have current access to terrestrial internet service of 25/3 Mbps and not in an area with existing state, federal, locally funding.
- **Other Addresses**
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.
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.
Download 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
How to Apply Using the ZoomGrants Online Application
WV ARPA Broadband Investment Plan – Grants Portal

Click on “Online Grant Application”

https://broadband.wv.gov/
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<td>First Name</td>
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<tr>
<td>Last Name</td>
<td></td>
</tr>
<tr>
<td>Telephone</td>
<td></td>
</tr>
<tr>
<td>Email</td>
<td>tilson@<a href="mailto:example@tilsontech.com">example@tilsontech.com</a></td>
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<tbody>
<tr>
<td>Organization Legal Name/Entity Name (Should match SAM.gov)</td>
<td>Tilson Ono</td>
</tr>
<tr>
<td>Address 1</td>
<td>1234 Main St.</td>
</tr>
<tr>
<td>Address 2</td>
<td></td>
</tr>
<tr>
<td>City</td>
<td>Any Town</td>
</tr>
<tr>
<td>State/Province</td>
<td>WV</td>
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<td>304-555-5555</td>
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<td>Fax (optional)</td>
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<td>Website (optional)</td>
<td>broadbandxyz.com</td>
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<th>Primary Point of Contact</th>
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<tbody>
<tr>
<td>First Name</td>
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<tr>
<td>Last Name</td>
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<tr>
<td>Title</td>
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</tr>
<tr>
<td>Email</td>
<td><a href="mailto:ssanders@tilsontech.com">ssanders@tilsontech.com</a></td>
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WV ARPA Broadband Investment Plan – Grants Portal
https://broadband.wv.gov/ Click on “Online Grant Application”

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</tr>
<tr>
<td>Email</td>
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Collaborators

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

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<tr>
<th>Email Address</th>
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<th>Last Name</th>
<th>Title</th>
<th>Editing Access</th>
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</tr>
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<td>Email Address</td>
<td>First Name</td>
<td>Last Name</td>
<td>Title</td>
<td></td>
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</tr>
</tbody>
</table>

Additional Contacts for this Application

Additional Contacts will be copied on all emails sent to the application owner regarding this application. Enter ONLY email addresses separated by a comma. No names. No titles. No phone numbers.
3. Project Area:
List communities affected. Include boundary information such as street names, landmarks, etc.

Maximum characters: 65000. You have 65000 characters left.

4. Targeted Locations:
How many Targeted Locations will the proposed project serve?

Maximum characters: 255. You have 255 characters left.
### Applicant Questions

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

1. Does the applicant have an existing fiber-to-the-premise or cable network offering service of at least 100 Mbps download and 20 Mbps upload to mass-market users that can be extended to unserved premises in West Virginia?
   - Yes
   - No

2. Does the applicant have a current statement of existence from the West Virginia Secretary of State?
   - Yes
   - No

3. 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

4. Can applicant’s proposed project be completed within 24 months of award?
   - [ ]
   - Maximum characters: 255. You have 255 characters left

5. Has the applicant currently secured all the proposed sources of match described in this application?
   - Yes
   - No
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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?

  ○ Yes
  ○ 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.)
8. 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 Ethernet
☐ DOCSIS 3.0
☐ DOCSIS 3.1
☐ Other
Project Information

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

- GPON
- EPON
- NG-PON2
- XGS-PON
- Active Ethernet
- 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.

Maximum characters: 65000. You have 65000 characters left.
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Proposed Services

Instructions: Show/Hide

Enter the applicant’s proposed service offerings, performance 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 and the most affordable tier typically offered to residential 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.

<table>
<thead>
<tr>
<th>Tier</th>
<th>Download Speed</th>
<th>Upload Speed</th>
<th>Typical Maximum Latency</th>
<th>Data Cap (if no cap, enter NA)</th>
<th>Monthly Recurring Charge</th>
<th>Recurring Mandatory Equipment Charges</th>
<th>Other Recurring Fees and Surcharges</th>
<th>Non-recurring Service Activation or Equipment Fees</th>
<th>Charge for Use above Data Cap</th>
<th>Additional Usage Associated with Charge for Use above Data Cap</th>
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<tr>
<td>Tier 1</td>
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<td>Mbps</td>
<td>ms</td>
<td>GB/month</td>
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<tr>
<td>Tier 2</td>
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### Proposed Residential Services

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<td>GB</td>
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### 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.
## WV ARPA Broadband Investment Plan – Grants Portal

[https://broadband.wv.gov/](https://broadband.wv.gov/)  
Click on “Online Grant Application”

### Documents

- **Instructions**: Show/Hide

Documents marked Required must be uploaded in order for the application to be submitted. Use documents available as download template when provided (download, complete and return).

<table>
<thead>
<tr>
<th>Documents Requested *</th>
<th>Required?</th>
<th>Uploaded Documents *</th>
<th>Upload</th>
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<tr>
<td>Proposed funded service area maps. Files submitted as shapefiles or a KMZ/KML file are preferred.</td>
<td>Required</td>
<td>-none-</td>
<td><a href="#">Upload</a></td>
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<td>Existing fiber or cable network routes within the municipalities or magisterial districts in or from which the applicant is proposing to extend its network. Files submitted as shapefiles or a KMZ/KML file are preferred.</td>
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<td>Documents describing any other proposed tiers or service offerings for residential or business customers that the Program should consider.</td>
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</tr>
<tr>
<td>Letters of support from units of local government, regional planning and development councils, or other community organizations describing the need for and benefit of the proposed project.</td>
<td>Required</td>
<td>-none-</td>
</tr>
<tr>
<td>Optional supplemental information.</td>
<td>Required</td>
<td>-none-</td>
</tr>
</tbody>
</table>
WV ARPA Broadband Investment Plan – Grants Portal
https://broadband.wv.gov/  Click on “Online Grant Application”

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

Help.ZoomGrants.com

Questions@ZoomGrants.com

866-323-5404 x2
Completing the Program Budget Template Workbook
**INSTRUCTIONS**

**Instructions for LEAD Program Budget Template Spreadsheet**

Microsoft Excel version 2007 or later required. Excel 2010 or later recommended.

Enter values in the identified spaces to complete this budget form. Please enter information in the order of the tabs below to correctly prompt calculated fields. Only input data in blue shaded fields such as shown at right.

---

### Budget Detail:
Input details of project costs within the table. Enter only those costs which are eligible for reimbursement. (See program rules and procedures for more detail.) Description of fields below:

- **Item**: Brief description of cost (e.g., fiber strand).
- **Cost Category**: Use the dropdown to select the cost category that best applies to the cost. Refer to the Project Budget tab to gain familiarity with the cost category options.
- **Unit Costs**: Cost per unit, enter numbers only.
- **Unit Type**: If applicable, type of unit (e.g., feet, miles, etc.).
- **Unit Quantities**: Total quantity of units, enter numbers only.

### Project Budget:
A summary output of the total project costs categorized by cost type. The values are populated from the input of the Budget Detail tab of this spreadsheet. The fields in this sheet are locked and cannot be edited by the user.

### Funding Sources and Match:
Input detail of various funding sources within the table. Description of fields below:

- **Funding Amount ($)**: Amount of the funding source, enter numbers only.
- **Funding Source**: Use the dropdown to select the funding source. If selecting "Other", please describe the funding source in the next cell.
- **Funding Source Details**: Enter details of funding source. If the funding source is a grant other than the requested LEAD grant, detail the grant name, date awarded, and any other information that would be useful. If the funding source is a debt, detail whether the debt is backed and the terms of the debt.

---

**Budget Breakdown:** Enter the breakdown of the project budget between the funding types by category in this tab. Note: the workbook will validate the total of
Data shown does not represent an actual project.
**PROJECT BUDGET**

Data shown does not represent an actual project.

<table>
<thead>
<tr>
<th>Cost Category</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering</td>
<td>$380,000</td>
</tr>
<tr>
<td>Permitting, Easements and Encroachment Acquisition</td>
<td>$24,894</td>
</tr>
<tr>
<td>Pole Placement and Pole Make-Ready</td>
<td>$760,000</td>
</tr>
<tr>
<td>Fiber Optic and Coaxial Cable</td>
<td>$89,580</td>
</tr>
<tr>
<td>Other Materials--Aerial</td>
<td>$131,675</td>
</tr>
<tr>
<td>Other Materials--Underground</td>
<td>$189,150</td>
</tr>
<tr>
<td>Aerial Construction Labor</td>
<td>$950,700</td>
</tr>
<tr>
<td>Underground Construction Labor</td>
<td>$26,895</td>
</tr>
<tr>
<td>Customer Premise Installation Labor</td>
<td>$684,320</td>
</tr>
<tr>
<td>Customer Premise Installation Materials</td>
<td>$308,775</td>
</tr>
<tr>
<td>Customer Premise Equipment (CPE)</td>
<td>$158,400</td>
</tr>
<tr>
<td>Equipment shelter, land, site preparation, and site restoration costs</td>
<td>$30,000</td>
</tr>
<tr>
<td>Cable Nodes</td>
<td>$20,000</td>
</tr>
<tr>
<td>Headend/Central Office/Remote Cabinet Equipment and Installation</td>
<td>$42,400</td>
</tr>
<tr>
<td>Project and Construction Management</td>
<td>$180,500</td>
</tr>
<tr>
<td>Subscriber Management Equipment</td>
<td>$-</td>
</tr>
<tr>
<td>Long-Term Leases</td>
<td>$100,000</td>
</tr>
<tr>
<td>Other Eligible Costs (must detail on Budget Detail)</td>
<td>$-</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>$4,077,289</td>
</tr>
</tbody>
</table>
Data shown does not represent an actual project.
Budget Breakdown (Incomplete)

Validation requires values in Grant, Matching, and Other Funds to Match Funding Sources Tab

Data shown does not represent an actual project.
# Budget Breakdown (Complete)

## Total Requested Grant Funds: $1,977,289.40

## Total Match from Applicant, Including Debt: $2,000,000.00

## Other Funding Sources: $100,000.00

<table>
<thead>
<tr>
<th>Cost Category</th>
<th>Cost Category Total</th>
<th>Grant Funds</th>
<th>Matching Funds</th>
<th>Other Funds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering</td>
<td>$380,000.00</td>
<td>$180,000.00</td>
<td>$200,000.00</td>
<td></td>
</tr>
<tr>
<td>Permitting, Easements and Encroachment Acquisition</td>
<td>$24,894.00</td>
<td>$11,464.00</td>
<td>$13,430.00</td>
<td></td>
</tr>
<tr>
<td>Pole Placement and Pole Make-Ready</td>
<td>$760,000.00</td>
<td>$380,000.00</td>
<td>$380,000.00</td>
<td></td>
</tr>
<tr>
<td>Fiber Optic and Coaxial Cable</td>
<td>$89,580.40</td>
<td>$44,580.40</td>
<td>$45,000.00</td>
<td></td>
</tr>
<tr>
<td>Other Materials–Aerial</td>
<td>$131,675.00</td>
<td>$65,675.00</td>
<td>$66,000.00</td>
<td></td>
</tr>
<tr>
<td>Other Materials–Underground</td>
<td>$189,150.00</td>
<td>$94,575.00</td>
<td>$94,575.00</td>
<td></td>
</tr>
<tr>
<td>Aerial Construction Labor</td>
<td>$950,700.00</td>
<td>$475,350.00</td>
<td>$475,350.00</td>
<td></td>
</tr>
<tr>
<td>Underground Construction Labor</td>
<td>$16,895.00</td>
<td>$13,447.50</td>
<td>$13,447.50</td>
<td></td>
</tr>
<tr>
<td>Customer Premise Installation Labor</td>
<td>$684,320.00</td>
<td>$342,160.00</td>
<td>$342,160.00</td>
<td></td>
</tr>
<tr>
<td>Customer Premise Installation Materials</td>
<td>$308,775.00</td>
<td>$154,387.50</td>
<td>$154,387.50</td>
<td></td>
</tr>
<tr>
<td>Customer Premise Equipment (CPE)</td>
<td>$158,400.00</td>
<td>$79,200.00</td>
<td>$79,200.00</td>
<td></td>
</tr>
<tr>
<td>Equipment shelter, land, site preparation, and site restoration costs</td>
<td>$30,000.00</td>
<td>$15,000.00</td>
<td>$15,000.00</td>
<td></td>
</tr>
<tr>
<td>Cable Nodes</td>
<td>$20,000.00</td>
<td>$10,000.00</td>
<td>$10,000.00</td>
<td></td>
</tr>
<tr>
<td>Headend/Central Office/Remote Cabinet Equipment and Installation</td>
<td>$42,400.00</td>
<td>$21,200.00</td>
<td>$21,200.00</td>
<td></td>
</tr>
<tr>
<td>Project and Construction Management</td>
<td>$180,500.00</td>
<td>$90,250.00</td>
<td>$90,250.00</td>
<td></td>
</tr>
<tr>
<td>Subscriber Management Equipment</td>
<td>$100,000.00</td>
<td>$-</td>
<td>$-</td>
<td>$100,000.00</td>
</tr>
<tr>
<td>Long-Term Leases</td>
<td>$100,000.00</td>
<td>$-</td>
<td>$-</td>
<td>$100,000.00</td>
</tr>
<tr>
<td>Other Eligible Costs (must detail on Budget Detail)</td>
<td>$-</td>
<td>$-</td>
<td>$-</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL:** $4,077,289.40 $1,977,289.40 $2,000,000.00 $100,000.00
**ADDRESSES PASSED**

2,685 Site Address IDs listed. Prior to application submission, please review Site Address ID values in the list below for duplicate values, if any, which will be highlighted in red.

<table>
<thead>
<tr>
<th>SiteAddID</th>
<th>Street Address</th>
<th>Municipality</th>
<th>TargetAreaClassification</th>
</tr>
</thead>
<tbody>
<tr>
<td>SID54001-20423</td>
<td>1641 PEEL TREE RD TRLR</td>
<td>Buckhannon</td>
<td>Targeted</td>
</tr>
<tr>
<td>SID54001-20424</td>
<td>1690 PEEL TREE RD</td>
<td>PHILIPPI</td>
<td>Targeted</td>
</tr>
<tr>
<td>SID54001-20425</td>
<td>1208 WIRTZ HOLW</td>
<td>Buckhannon</td>
<td>Targeted</td>
</tr>
<tr>
<td>SID54001-20426</td>
<td>2088 PEEL TREE RD</td>
<td>PHILIPPI</td>
<td>Targeted</td>
</tr>
<tr>
<td>SID54001-20427</td>
<td>2102 PEEL TREE RD</td>
<td>PHILIPPI</td>
<td>Targeted</td>
</tr>
<tr>
<td>SID54001-20428</td>
<td>2202 PEEL TREE RD</td>
<td>PHILIPPI</td>
<td>Targeted</td>
</tr>
<tr>
<td>SID54001-20429</td>
<td>2222 PEEL TREE RD</td>
<td>PHILIPPI</td>
<td>Targeted</td>
</tr>
<tr>
<td>SID54001-20432</td>
<td>835 GNATTY CREEK RD</td>
<td>PHILIPPI</td>
<td>Targeted</td>
</tr>
<tr>
<td>SID54001-20433</td>
<td>397 WARD RD</td>
<td>PHILIPPI</td>
<td>Other Address</td>
</tr>
<tr>
<td>SID54001-20434</td>
<td>460 BILLS CREEK RD TRLR</td>
<td>BELTINGTON</td>
<td>Targeted</td>
</tr>
<tr>
<td>SID54001-20435</td>
<td>604 BILLS CREEK RD</td>
<td>BELTINGTON</td>
<td>Targeted</td>
</tr>
<tr>
<td>SID54001-20436</td>
<td>3126 MIDWAY RD</td>
<td>BELTINGTON</td>
<td>Targeted</td>
</tr>
</tbody>
</table>

Data shown does not represent an actual project.
Data shown does not represent an actual project.
Key Compliance Obligations
POST-AWARD REPORTING AND MONITORING

OVERSIGHT OF PROJECTS AFTER AWARD WILL BE ASIMPORTANT 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!
Subrecipients/grantees must:

- Comply with
  - terms and conditions of award
  - 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 LEAD program requirements are sometimes more specific:
• Indirect costs are not reimbursable.
• Operating expenses are ineligible.
• Internal administrative activities are ineligible.

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


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

Among the compliance requirements required of Grantees:

• Civil Rights Compliance with all Federal and State laws prohibiting unlawful discrimination/violations of civil rights, for example:
  • Title IV of Civil Rights Act of 1964
  • Rehabilitation Act of 1973
  • Age Discrimination Act of 1975

• National Defense Authorization Act (2019) – relating to procurement of telecommunications equipment from certain prohibited vendors (Huawei, ZTE, etc.)

• Competitive Procurement Policies (Avoidance of Conflicts of interest/disclosures of affiliated business entities (per 2 CFR 200.318(c))

• Participation in the FCC’s Affordable Connectivity Program
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)
Grantees are responsible for complying with all applicable permitting requirements for infrastructure projects in rights-of-way, including:

| * West Virginia Division of Highways (DOH) permitting processes; (Dig Once, encroachment/bond permits) | * Underlying municipal, county, state fees/permits/approvals; | * Federal agency approvals (if within federally-designated lands) |
Grantees must:

1.) Confer with the West Virginia State Historic Preservation Office (SHPO) regarding the applicability of Section 106 of the National Historic Preservation Act to the Project;

2.) Submit any information required by SHPO; and

3.) Receive a communication from SHPO that no further action is required related to a Project before the Department will issue a notice to proceed for the Project.

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

Submit “Request for Approval of Evidentiary Materials”
• Must include all necessary supporting documentation

Receive Notice to Proceed with Exempt Activities
• Notice will come from the WVDED, Office of Broadband

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
ADDITIONAL STEPS BEFORE CONSTRUCTION & GRANT FUNDING

Notice to Proceed with Exempt Activities

- May begin pre-construction activities once received
- May begin to spend match

Submit Engineered Design

- May request grant funds for pre-construction 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 only after also receiving Notice to Proceed with Construction

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
  - Daily Test Periods
  - At least one download test and one upload test per testing hour at each subscriber test location
  - Number of test locations (depending on number of subscribers in a state)
  - **Testing Frequency:** FCC requires quarterly testing for speed and latency
  - **Flexibility/Choice in testing Methods**
