

Application to DHCD Submitted through CAMS

Giles County

MegaNet-PemTel

Application ID: 95708252022114902
Application Status: Pending
Program Name: Virginia Telecommunication Initiative 2023 - Application
Organization Name: Giles County
Organization Address: 315 North Main Street
Pearisburg, VA 24134
Profile Manager Name: Missy Bray
Profile Manager Phone: (540) 921-2525
Profile Manager Email: mbray@gilescounty.org

Project Name: MegaNet-PemTel
Project Contact Name: Chris McKlarney
Project Contact Phone: (540) 921-2525
Project Contact Email: cmcklarney@gilescounty.org
Project Location: 315 N Main St.
Pearisburg, VA 24134-1522
Project Service Area: Giles County

Total Requested Amount: \$6,276,480.00

Required Annual Audit Status: Accepted

Application to DHCD Submitted through CAMS

Giles County

MegaNet-PemTel

Budget Information:

Cost/Activity Category	DHCD Request	Other Funding	Total
Telecommunications	\$6,276,480.00	\$1,570,600.00	\$7,847,080.00
Construction	\$5,604,000.00	\$1,195,600.00	\$6,799,600.00
Construction Related Soft Costs	\$672,480.00	\$375,000.00	\$1,047,480.00
Total:	\$6,276,480.00	\$1,570,600.00	\$7,847,080.00

Budget Narrative:

The total cost of this project is projected to be \$7,847,080. PemTel (co-applicant) is proposing to cover 20% of the project costs, \$1,570,600. The requested grant funds are \$6,276,480.

Questions and Responses:

1. Project Description and Need

Describe why and how the project area(s) was selected. Describe the proposed geographic area including specific boundaries of the project area (e.g. street names, local and regional boundaries, etc.). Attach a copy of the map of your project area(s). Label map: Attachment 1 – Project Area Map.

Answer:

Giles County, Virginia, has 92.4 square miles of national forest within the county and mountainous topography portions of the county are uninhabitable. Houses and businesses are clustered into small communities, but these areas are spread apart and often present challenges when building broadband infrastructure; identifying un-served and under-served populations, however, is straightforward.

The project location is rural and very mountainous, populated by small family farms and homesteads that are situated along U.S. Highway 460 surrounding the Maybrook community, north of Pearisburg in the Clendennin Road area, along Virginia Route 622 between Pearisburg and Eggleston, and along Highways 100 & 42 south of Pearisburg. See Attachment 1 – Project Area Map

In 2018, a Broadband Assessment was conducted within the county to identify priority areas for broadband in Giles. County officials have prioritized expanding access and capacity to the unserved and underserved areas. The county received a VATI 2018 grant in partnership with Gigabeam, LLC, to increase broadband access in the western part of the county, particularly Wolf Creek and Walker Valley as well as areas west of Route 100 and south of Route 460.

Several rural communities within the county still remain underserved or unserved by broadband. Giles County is partnering with Pembroke Telephone Cooperative (PemTel) to implement broadband access in the identified project area.

The proposed project area in this application was based on a review of areas that are not receiving 100/20 internet speeds presently by local providers: Pemtel, Suddenlink, and Gigabeam.

Application to DHCD Submitted through CAMS

Giles County

MegaNet-PemTel

-
2. List existing providers in the proposed project area and the speeds offered. Describe your outreach efforts to identify existing providers and how this information was compiled with source(s).

Answer:

The broadband providers who the FCC reports are active in Giles County are as follows:

- Frontier West Virginia DSL
- Paetec DSL
- PemTel DSL
- US LEC DSL
- Verizon DSL
- SuddenLink Cable
- All Points Fixed Wireless
- Citizen's Fiber
- WVVA.Net Fixed Wireless (Gigabeam)

According to the Giles County Broadband Assessment, the primary providers actively offering broadband internet services to customers within the county are SuddenLink Cable, PemTel DSL, and WVVA.net Fixed Wireless (Gigabeam).

The project area along U.S. Highway 460 and the surrounding Maybrook Community is presently served by PemTel. This area has older copper facilities, and it requires an upgrade so that it can support high-speed broadband service. Currently, less than 20% of the existing service location receives speeds of 25/3 Mbps. 100/20 Mbps is not available at present. The Clendennin Road Service area (North of Pearisburg), Route 622 between Eggleston and Pearisburg, and along Hwy 100 (South of Pearisburg) are presently serviced by voice and low-speed internet from Verizon. However, access to high-speed broadband service of 10/1 Mbps or higher is unavailable within the proposed service areas. This information was provided by Pembroke Telephone Cooperative (PemTel) regarding their own infrastructure, and FCC 477 data was used to report on Verizon's speeds.

3. Describe if any areas near the project have received funding from federal grant programs, including but not limited to Connect America Funds II (CAF II), ACAM, ReConnect, Community Connect, and Rural Digital Opportunity Funds (RDOF). If there have been federal funds awarded near the project area(s), provide a map showing these areas, verifying the proposed project area does not conflict with these areas. Label Map: Attachment 2 – Documentation on Federal Funding Area.

Answer:

Several grants within the county are active or recently completed. Gigabeam was a recipient of a 2018 VATI grant. This grant was funded to bring fixed wireless to Wolf Creek, Walker Valley, and areas West of Route 100 and South of Route 460 in Giles county.

A Community Connect grant was awarded in 2017 to PemTel. The grant's project covered Green Valley, Bane, and Trigg areas. PemTel also received another Community Connect grant in 2021. The build area is Bear Spring and Springdale. In 2020, the New River Valley Regional Commission, in partnership with PemTel, was awarded an ARC broadband Implementation Grant to provide fiber to the home and the node within the community around Commissary Hill Road and Rocky Hollow Rd. near Pembroke, Virginia. PemTel is also receiving federal funds through the ACAM program.

Application to DHCD Submitted through CAMS

Giles County

MegaNet-PemTel

4. Overlap: To be eligible for VATI, applicants must demonstrate that the proposed project area(s) is unserved. An unserved area is defined as an area with speeds below 100/20 Mbps and with less than 25% service overlap within the project area for wireless projects and 20% for wireline projects. Describe any anticipated service overlap with current providers within the project area. Provide a detailed explanation as to how you determined the percentage overlap. Label Attachment: Attachment 3 – Documentation Unserved Area VATI Criteria.

Answer:

Per the definition of unserved as stated in the VATI grant, all proposed services areas receive less than 100/20 Mbps and less than 20% overlap for wireline with Verizon. As stated above:

- Less than 20% of Maybrook now receives 25 Mbps down and 3 Mbps up
- Clendennin Road Area, Virginia Route 622 between Pearisburg and Eggleston, and along Highways 100 & 42 receives broadband service of less than 10 Mbps down and 1 Mbps up.

These areas are eligible for VATI funding, and overlap within the service providers is permitted as competitor speeds are low enough to classify the areas as unserved.

Application to DHCD Submitted through CAMS

Giles County

MegaNet-PemTel

5. Total Passings: Provide the number of total serviceable units in the project area. Applicants are encouraged to prioritize areas lacking 25 Megabits per second download and 3 Megabits per second upload speeds, as they will receive priority in application scoring. For projects with more than one service area, each service area must have delineated passing information. Label Attachment: Attachment 4 – Passings Form.
- a. Of the total number of VATI passings, provide the number of residential, business, non-residential, and community anchors in the proposed project area.
 - b. If applicable, of the total number of RDOF passings, provide the number of residential, business, non-residential, and community anchors in the proposed project area.
 - c. If applicable, provide the number of passings that will require special construction costs, defined as a one-time fee above normal service connection fees required to provide broadband access to a premise. Describe the methodology used for these projections.
 - d. If applicable, provide the number of passings included in the application that will receive broadband access because special construction costs have been budgeted in the VATI application. Describe the methodology used for determining which passings with special construction costs were budgeted in the application.
 - e. Provide the number of passings in the project area that have 25/3 Mbps or less. Describe the methodology used for these projections. (up to 15 points)

Answer:

a) Residential= 1040

Business=19

Non-Residential=7

Community Anchors=2

Total Passings= 1068

More information is available in Attachment 4-Passing Form.

b) Not applicable. No RDOF passings are in the proposed project area.

c) Not Applicable. These passings will not require additional special construction costs beyond that which has been budgeted as defined by questions 17 and 18 of this application.

d) Not applicable; no special construction costs have been budgeted for this application.

e) 1068 passings in the project area only have access to the internet at speeds of 25/3 Mbps or less. These projections were determined using FCC data, as well as knowledge of Pemtel's own broadband infrastructure capabilities.

Application to DHCD Submitted through CAMS

Giles County

MegaNet-PemTel

-
6. Describe if any blocks awarded in Rural Digital Opportunity Fund (RDOF) are included in the VATI application area. If RDOF areas are included in the VATI application, provide a map of these areas and include information on number of passings in RDOF awarded areas within the VATI application area, and Census Block Group ID number for each block group in the project area. Label Attachment: Attachment 5 – RDOF Awarded Areas Form in VATI Area

Answer:

Not Applicable. None of this project area is covered by a Rural Digital Opportunity Fund. See Attachment 5-RDOF awarded Areas From in VATI Area.

7. **For wireless projects only:** Please explain the ownership of the proposed wireless infrastructure. Please describe if the private co-applicant will own or lease the radio mast, tower, or other vertical structure onto which the wireless infrastructure will be installed.

Answer:

The proposed project is wireline, so this question is not applicable.

8. Network Design: Provide a description of the network system design used to deliver broadband service from the network's primary internet point(s) of presence to end users, including the network components that already exist and the ones that would be added by the proposed project. Provide a detailed explanation of how this information was determined with sources. Provide information on how capacity for scalability, or expansion, of how the network can adapt to future needs. If using a technology with shared bandwidth, describe how the equipment will handle capacity during peak intervals. For wireless projects, provide a propagation map for the proposed project area with a clearly defined legend for scale of map. Label Map: Attachment 6 – Propagation Map Wireless Project.

Answer:

The proposed project consists of 62 miles of buried, 60 miles of aerial, and 20 miles of common area transport fiber for a total of 142 miles, excluding drops. The buried fiber will be built within previously disturbed public highway rights-of-way, and the aerial fiber will be built on existing pole lines. The distribution will consist of 122 miles of fiber with a dedicated fiber to each premise from one of six different PON splitter locations in the proposed service area. The splitter cabinets will be mounted on the state rights-of-way. Calix XGS-PON access equipment will be added to a new equipment cabinet in the Highway 100 area and at the existing Pembroke, Maybrook, and Green Valley equipment locations. Transport fibers will feed to the splitter cabinets from the various equipment locations within the service area. Redundant 10G transport rings will be used to transport the broadband service from each access equipment location to the primary internet point at the Pembroke Host office. The broadband is aggregated and transported to the NRTC internet provider using existing MBC and GCR redundant transport facilities at the Pembroke office. The existing 20Gbps of internet capacity to NRTC will be increased as required. The existing local 10G redundant transport ring will be increased to 100G when needed.

9. Speeds: Describe the internet service offerings, including download and upload speeds, to be provided after completion of the proposed project. Detail whether that speed is based on dedicated or shared bandwidth, and detail the technology that will be used. This description can be illustrated by a map or schematic diagram, as appropriate. List the private co-applicant's tiered price structure for all speed offerings in the proposed project area, including the lowest tiered speed offering at or above 100/20 Mbps. (up to 10 points)

Answer:

Application to DHCD Submitted through CAMS

Giles County

MegaNet-PemTel

The proposed Calix XGS-PON FTTP equipment provides up to a symmetrical 10Gbps of Broadband, VOIP, and Over-The-Top Video from each customer location in the service area to the existing Pembroke Host office. The broadband internet is then aggregated and routed to NRTC via redundant facilities described in Question 8. The construction of dedicated fiber to each premise and the use of XGS-PON architecture ensures that the infrastructure is adaptable to future increases in bandwidth as needed and can deliver 10G of speeds and above at the point of service.

In addition to Internet connectivity, PemTel (the co-applicant) provides customers with voice services. These services are provided from an existing softswitch located at the Pembroke office.

The following are PemTel's monthly rates effective 8/1/2022:

DOWNLOAD	UPLOAD	RATES	RATE
MBPS	MBPS	COMBINED	INTERNET ONLY
10	1	\$62.95	\$72.95
15	1	\$64.95	\$74.95
25	3	\$69.95	\$79.95
30	5	\$79.95	\$89.95
30	15	\$89.95	\$99.95
40	5	\$94.95	\$104.95
100	50	\$109.95	\$119.95
200	200	\$299.99	\$309.99
500	500	\$399.99	\$409.99

As illustrated by the table above, PemTel offers a discount of \$10.00 off monthly for internet service when bundled with landline telephone service. The current charge for residential landline telephone service is \$18.00. The business rate is \$19.00 and includes a listing in the yellow pages. However, a discounted rate is available for businesses requiring multiple lines. These rates reflect only PemTel's charges and do not include the various mandatory taxes and fees required on behalf of state and federal agencies such as E911, VA ROW, VA Communications Tax, Federal Universal Service Charge, etc.

They frequently review the pricing structure to identify areas where rate reduction is possible and have made rate reductions to their internet service plans five times in the past two years. As a Cooperative, PemTel works hard to provide high-quality services at the most affordable prices possible. They are committed to continuing this practice as more customers will allow for further rate reductions.

Application to DHCD Submitted through CAMS

Giles County

MegaNet-PemTel

10. Explain how the proposed project achieves universal broadband coverage for the locality or fits into a larger plan to achieve universal broadband coverage for the locality. If applicable, explain the remaining areas of need in the locality and a brief description of the plan to achieve universal broadband coverage. (up to 50 points)

Answer:

In 2018, a Broadband Assessment was conducted within the county to identify priority areas for broadband in Giles. County officials have prioritized expanding access and capacity to the unserved and underserved areas. Efforts to broaden broadband access have been ongoing. As part of this study, a number of existing providers were identified and service areas were broadly mapped based on the FCC Form 477 from 2016. These maps are known to be overstated service areas; a citizen survey deployed with this study also evaluates likely coverage areas of various internet access technologies.

Since that assessment, Giles County has been actively seeking ISP partners to achieve universal coverage - RFPS were issued in advance of the 2018 VATI and ARC grant applications and in support of the 2023 VATI application process. As a result of ongoing conversations and the RFP processes, Giles County has been working with two internet service providers, PemTel and Gigabeam, to implement universal coverage to populated county areas.

The county received a VATI 2018 grant in partnership with Gigabeam, LLC, to increase broadband access in the western part of the county, particularly Wolf Creek and Walker Valley, as well as areas west of Route 100 and south of Route 460. Additional private-public partnerships with local internet service providers and local and regional representatives are being developed to expand broadband within the county.

Several rural communities within the county still remain underserved or unserved by broadband. Giles County is partnering with Pembroke Telephone Cooperative (PemTel) to implement broadband access in rural areas of Giles County to contribute to this goal.

This application is one of two submitted for 2023 VATI funding. Together these applications will fund the final phase of broadband implementation to un-served populated areas within the county. These projects will introduce broadband to previously un-served homes in Glen Lyn, East River Mountain, Powell Mountain, Virginia Line Road, Wolf Creek, and Route 100 corridor and improve internet connectivity in underserved areas such as Maybrook, Whitegate, and Clendennin.

Application to DHCD Submitted through CAMS

Giles County

MegaNet-PemTel

11. Project Readiness

Describe the current state of project development, including but not limited to: planning, preliminary engineering, identifying easements/permits, status of MOU or MOA, and final design. Prepare a detailed project timeline or construction schedule, identifying specific tasks, staff, contractor(s) responsible, collection of data, etc., and estimated start and completion dates. Applicants are encouraged to extensively discuss, where applicable, easements relating to railroad crossings, federally-owned lands and parks, partnerships with the Virginia Department of Transportation, and mobile home parks. Applicants must include Memorandums of Understanding (MOUs) or Memorandums of Agreement (MOAs) between applicants (drafts are allowable). Label Attachments: Attachment 7 – Timeline/Project Management Plan; Attachment 8 – MOU/MOA between Applicant/Co-Applicant; (up to 10 points)

Answer:

The design of this project is consistent with other successful fiber to the home deployments that PemTel has undertaken and completed in the past. The process typically begins by finalizing a field design. Activities that coincide with field design include material purchase and acquisition of any required permits and easements. Shortly after, the remote site installs, remote equipment installs, and remote equipment testing occurs. As this is completed, distribution and transport of fiber, along with fiber splicing and testing, begins. Finally, drops are installed and tested. Customers are connected, and speeds are tested. The project is expected to take approximately three years to complete since there are a large number of proposed subscribers, and the area is mountainous and rural. PemTel has completed the final field design and field staking for this project. For more information regarding the proposed project timeline and responsible persons, please refer to Attachment 7-Timeline/Project Management Plan.

A draft MOU (Attachment 8- MOU/MOA between Applicant/Co-Applicant) has been provided for this grant application. If the VATI grant is awarded, Giles County and PemTel will enter into a formal agreement/contract upon a funding announcement for the proposed project.

12. Has the applicant or co-applicant received any VATI grants? If so, provide a list of these grants, with a detailed summary of the status of each.

Answer:

Giles County, in partnership with Gigabeam, was a recipient of a 2018 VATI grant. The project funded by this grant has experienced delays. The most significant delay has been difficulty obtaining land rights from property owners within the project area. As a result, the project needed to be redesigned multiple times. The Covid-19 Pandemic also delayed progress as workers were unable to enter customers' homes to connect them. Supply chain issues also made securing build materials extremely difficult, and materials often had delayed arrivals resulting in further project delays.

13. Matching funds: Complete the funding sources table indicating the cash match and in-kind resources from the applicant, co-applicant, and any other partners investing in the proposed project (VATI funding cannot exceed 80 percent of total project cost). In-kind resources include, but are not limited to: grant management, acquisition of rights of way or easements, waiving permit fees, force account labor, etc. Please note that a minimum 20% match is required to be eligible for VATI, the private sector provider must provide 10% of the required match. If the private co-applicant cash match is below 10% of total project cost, applicants must provide financial details demonstrating appropriate private investment. If applicants and co-applicants are seeking to include prior expended funds as matching funds, Attachment 11 must be completed. Label Attachments: Attachment 9 - Funding Sources Table; Attachment 10 – Documentation of Match Funding; Attachment 11 - Prior Expended Match Form

Answer:

See Attachments 9 and 10 for match funding information.

Attachment 11 is not applicable

Application to DHCD Submitted through CAMS

Giles County

MegaNet-PemTel

14. Leverage: Describe any leverage being provided by the applicant, co-applicant, and partner(s) in support of the proposed project. (up to 10 points)

Answer:

The total cost of this project is projected to be \$7,847,080. PemTel (co-applicant) is proposing to cover 20% of the project costs, \$1,570,600. The requested grant funds are \$6,276,480.

15. Communications Plan: Describe efforts to keep the public informed of project progress and the broadband adoption plan.
- Explain how you plan on communicating the project status to stakeholders, including but not limited to County leadership, project areas residents, etc. (Up to 10 points)
 - Explain how you plan to promote customer take rate, including marketing activities, outreach plan, and other actions to reach the identified serviceable units within the project area. Provide the anticipated take rate and describe the basis for the estimate. (up to 10 points)
 - Describe any digital literacy efforts to ensure residents and businesses in the proposed project area sufficiently utilize broadband. Please list any partnering organizations for digital literacy, such as the local library or cooperative extension office.

Answer:

a) **County Leadership**

Giles County and PemTel intend to communicate in the following manner throughout the project period on the project status and progress with stakeholders and the general public.

PemTel will provide the county with monthly reporting, including but not limited to information regarding project milestones and grant expenditures. All information and data that is required for the project will be submitted promptly to DHCD for review and approval.

Progress pertaining to milestones will be reported for the following categories:

- **Preconstruction Activities:** Including but not limited to engineering, field staking, and permitting.
- **Materials Distribution:** acquisition, distribution, and transport of fiber
- **Network Construction:** Installation of common fiber, drops, and ONT installation and Materials, and Final Speed Testing

PemTel will ensure a representative is available monthly for progress meetings or give the county 24-hour notice of unavailability.

Board of Supervisors Reporting

The project team will make a report and project update to the County Board of Supervisors on a semi-annual basis, on a timeframe coordinated with the County's project lead.

Application to DHCD Submitted through CAMS

Giles County

MegaNet-PemTel

Public Events / Media Availability

In coordination with Giles County and other project team members, a minimum of two public events will be held, with Giles County selecting the public events most appropriate for their communities and stakeholders. Events could include:

- Commencement of Construction / Groundbreaking
- Lighting of First Fiber Distribution Area / Initial Customer Access
- Completion of Utility Middle-Mile Fiber, Completion of Distribution Network,
- Other County Selected Events

General Public Enquiries

PemTel has a well-established reputation for quality service within Giles County and will assist them in engendering trust within the project area. PemTel plans to communicate with new and existing members through the following:

- Direct Mailers
- Newsletter
- The Company Website
- Social Media
- Local Newspaper

PemTel will continue to provide friendly, high-quality direct interactions with the general public through in-person interactions, phone calls, and inquiries via the company's website. They will provide indirect updates as needed through means of the local newspaper, social media and newsletter updates, and mailers.

b. Direct marketing has proven to be a successful tactic to promote customer take rates on past projects. PemTel's past grant projects have had an average over 70% take rate using this method of outreach. Using publicly available data of residents and addresses, PemTel sends letters to every house and business within the project service area explaining the work that will be undertaken in the area. They also send out a follow-up letter when pre-sales begin included in these letters is PemTel's contact information and encouragement to contact them and reach out personally via phone to ensure service areas residents are aware of the option to have PemTel broadband. When a customer contacts the PemTel offices, friendly, knowledgeable local employees provide quality customer service and assist each community member.

All potential customers will be able to notify PemTel of interest in service at the PemTel office or website, where they can also find project information and new customer pre-registration for service.

PemTel will also send out a letter that broadband service will soon be available in their area and provide information on how to schedule an installation. For those who respond to this letter, once the project installations begin, PemTel provides a follow-up phone call to answer questions and schedule a home installation. For households who have not responded to PemTels initial outreach letter, an additional

Application to DHCD Submitted through CAMS

Giles County

MegaNet-PemTel

letter is sent stating that service is available in their areas and how to contact PemTel to set up an installation.

PemTel's grassroots approach to marketing and long-standing in the community, combined with high-quality customer service, have proved to be an effective means for PemTel to add new customers. It is expected to be so in this project as well. Additional indirect marketing that PemTel plans on employing is social media, newsletter updates, as well as word of mouth. We expect to have a similar take rate for this project as PemTel has had with past projects using the same direct marketing method, approximately 70%.

c. PemTel has offered classes within its own office to teach older residents how to use the internet. In its last Community Connect project, it opened a Computer Center for the grant project area. However, this center was not used often, and when used, it was used by those outside the project area. PemTel is open to assisting the county in providing digital literacy education. However, the need will need to be identified first.

Application to DHCD Submitted through CAMS

Giles County

MegaNet-PemTel

-
16. Project Management: Identify key individuals who will be responsible for the management of the project and provide a brief description of their role and responsibilities for the project. Present this information in table format. Provide a brief description of the applicant and co applicant's history and experience with managing grants and constructing broadband communication facilities.

Answer:

Name	Title	Organization	Role & Responsibilities
ChrisMcKlarney	County Administrator	Giles County	Local government lead for permitting, technical assistance
Kevin Byrd	Executive Director	New River Valley Regional Commission	Project Oversight
Leon A. Law	President of the Board	PemTel	System construction and operational oversight.
Micheal J. Dudding	General Manager	PemTel	Day-to-day System construction and operations
Summer Bork	Economic Recovery Planner	New River Valley Regional Commission	Day-to-day project management and grant administration
Christy Straight	Director of Environmental Resources	New River Valley Regional Commission	Day-to-day project management and grant administration
Joel Williams	Consulting Engineer	Mid-South Consulting Engineers	Project Engineer

Giles County has been the recipient of a 2018 VATI project. This project experienced several obstacles. However, the county continues to doggedly make progress toward its completion and has diligently reported project information to DHCD. The county has also received a number of non-VATI grants to complete projects within the county.

Giles County has been working with the New River Valley Regional Commission for the completion of this grant application and will continue working with them for grant administration should this project be funded. The Regional Commission is currently overseeing a multi-county 2022 VATI grant, as well as providing assistance for Giles' 2018 VATI.

PemTel also has experience working with grants in addition to the 2020 ARC grant. They have been the recipients of a completed 2018 Community Connect grant and a presently active 2021 Community Connect grant. To date, they are working with regional partners to complete an ARC broadband implementation project. PemTel has over 50 years of experience in the communication industry. Because of its longevity as a company, PemTel has good working relationships with many industry partners, staff trained in a variety of technologies available within the fiber market, and a long-standing reputation for quality in Giles County.

Application to DHCD Submitted through CAMS

Giles County

MegaNet-PemTel

17. Project Budget and Cost Appropriateness

Budget: Applicants must provide a detailed budget that outlines how the grant funds will be utilized, including an itemization of equipment, construction costs, and a justification of proposed expenses. If designating more than one service area in a single application, each service area must have delineated budget information. For wireless projects, please include delineated budget information by each tower. Expenses should be substantiated by clear cost estimates. Include copies of vendor quotes or documented cost estimates supporting the proposed budget. Label Attachments: Attachment 12 – Derivation of Costs; Attachment 13 - Documentation of Supporting Cost Estimates. (up to 10 points)

Answer:

The budget has been broken into seven categories of costs (see Attachment 12 – Derivation of Costs):

- Engineering (Design, Staking & Permits)
- Buried Fiber
- Aerial Fiber
- Common Transport Fiber
- Drops & ONT's
- Access/Switching Equipment
- Electronic Site Equipment

These categories are broken down into funding mechanisms, VATI and PemTel Match.

The cost estimates have been determined by the Mid-South Consulting Engineers based on the historical cost of active projects. (See Attachment 13_Documentation of Supporting Cost Estimate

18. The cost benefit index is comprised of state cost per unit passed. Individual cost benefit scores are calculated and averaged together to create a point scale for a composite score. Provide the following:
- a. Total VATI funding request

- b. Number of serviceable units
(up to 125 points)

Answer:

- a) \$6,276,480
- b) 1068 serviceable units

Application to DHCD Submitted through CAMS

Giles County

MegaNet-PemTel

19. Commonwealth Priorities (Up to 50 points)

Additional points will be awarded to proposed projects that reflect Commonwealth priorities. If applicable, describe the following:

- a. Businesses, community anchors, or other passings in the proposed project area that will have a significant impact on the locality or region because of access to broadband.
- b. Unique partnerships involved in the proposed project. Examples include electric utilities, universities, and federal/state agencies.
- c. Digital equity efforts to ensure low to moderate income households in the proposed project area will have affordable access to speeds at or above 100/20 mbps, include information regarding the internet service provider's participation in the Affordable Connectivity Program
- d. The co-applicant's efforts to mitigate supply chain constraints, including labor shortages and order-to-delivery delays on telecommunications materials required to construct broadband networks.
- e. The applicant's and co-applicant's efforts to promote broadband adoption, including, but not limited to: telehealth, smart farming, e-entrepreneurship, and distance learning.

Answer:

a) Poplar Hill Volunteer Fire Department, the Giles County Wellness Center, and several small home-based businesses are located in the proposed service area. The project area also has several large livestock farms located within the project's scope. Several churches are also located within the project area.

b) None

c) PemTel does not participate in the Affordable Connectivity Program. However, it does participate in the Lifeline Program which is administered by USAC (Universal Service Administrative Company) the same entity that administers the Affordable Connectivity Company.

d) PemTel has a good relationship with several vendors and has not had any trouble with obtaining material to date. This fact, coupled with the size of the project being relatively small by comparison to others in the state, along with small fiber sizes, PemTel does not anticipate severe supply chain issues. The labor force used for completion would be administered by the winning contractor.

e) As stated previously, PemTel does not anticipate issues with adoption. The customer base is educated to the advantages of broadband being available. In previous projects, the take rate has been in excess of 70%. With COVID-19 shutting down the school systems for an extended period, the lack of broadband access has revealed its importance and need for access to the general public.

According to a survey conducted at the start of school in 2021, which was sent out to all households with students enrolled in Giles County Public Schools, 88% of respondent households answered that they had broadband access challenges.

Application to DHCD Submitted through CAMS

Giles County

MegaNet-PemTel

20. Additional Information

Please attach any letters of support from stakeholders. If the applicant is not a locality(s) in which the project will occur, please provide a letter of support from that locality.

Attachment 14 – Letters of Support.

Provide the two most recent Form 477 submitted to the FCC, or equivalent, as well as point, polygon, and, for wireless providers, RSSI shapefiles for the project area **in .zip file form**. With attachments 17 through 20, attach any other information that the applicant desires to include. Applicants are limited to four additional attachments.

Label Additional Attachments as:

- a. Attachment 15 –Two most recent Form 477 submitted to the FCC or equivalent
- b. Attachment 16 - Point and Polygon shapefiles, in.zip file form, showing proposed passings and project area
- c. Attachment 17 - For wireless applicants: shapefiles, in .zip file form, indicating RSSI projections in the application area
- d. Attachment 18 – XXXXXXXX
- e. Attachment 19 – XXXXXXXX
- f. Attachment 20 – XXXXXXXX

Answer:

Attachment 17 is not applicable to this project.

Attachment 18- Letter of proposed rate reduction.

Attachments:

Map(s) of project area, including proposed infrastructure

Attachment1ProjectAreaMap825202222611.pdf

Documentation of Federal Funding (CAF/ACAM/USDA/RDOF, etc...) in and/or near proposed project area.

Attachment2FederalFundingArea825202222623.pdf

Documentation that proposed project area is unserved based on VATI criteria

Attachment3DocumentationofunderservedareaVATICriteria825202222644.pdf

Application to DHCD Submitted through CAMS

Giles County

MegaNet-PemTel

Passings Form (Use template provided)

Attachment4PassingsForm825202222658.pdf

Timeline/Project Management Plan

Attachment7TimelineProjectManagementPlan1825202222706.pdf

MOU/MOA between applicant/co-applicant (can be in draft form)

Attachment8MOUbetweenGilesandPemTelDRAFT825202222723.pdf

Funding Sources Table (Use template provided)

Attachment9fundingsourcetable825202222742.pdf

Documentation of Match Funding

Attachment10DocumentationofMatch825202222754.pdf

Derivation of Cost/Project Budget (Use template provided)

Attachment12DerivationofCostProjectBudget825202222830.pdf

Documentation of Supporting Cost Estimates

Attachment13DocumentationSupportingProjectCosts825202222846.pdf

Letters of Support

Attachment14LettersofSupport825202222911.pdf

Two most recent Form 477 submitted to the FCC or equivalent

Attachment15twomostrecentFCC477Forms825202222945.pdf

Point and Polygon shapefiles, in.zip file form, showing proposed passings and project area

Attachment16PointandPolygonShapefiles825202223010.zip

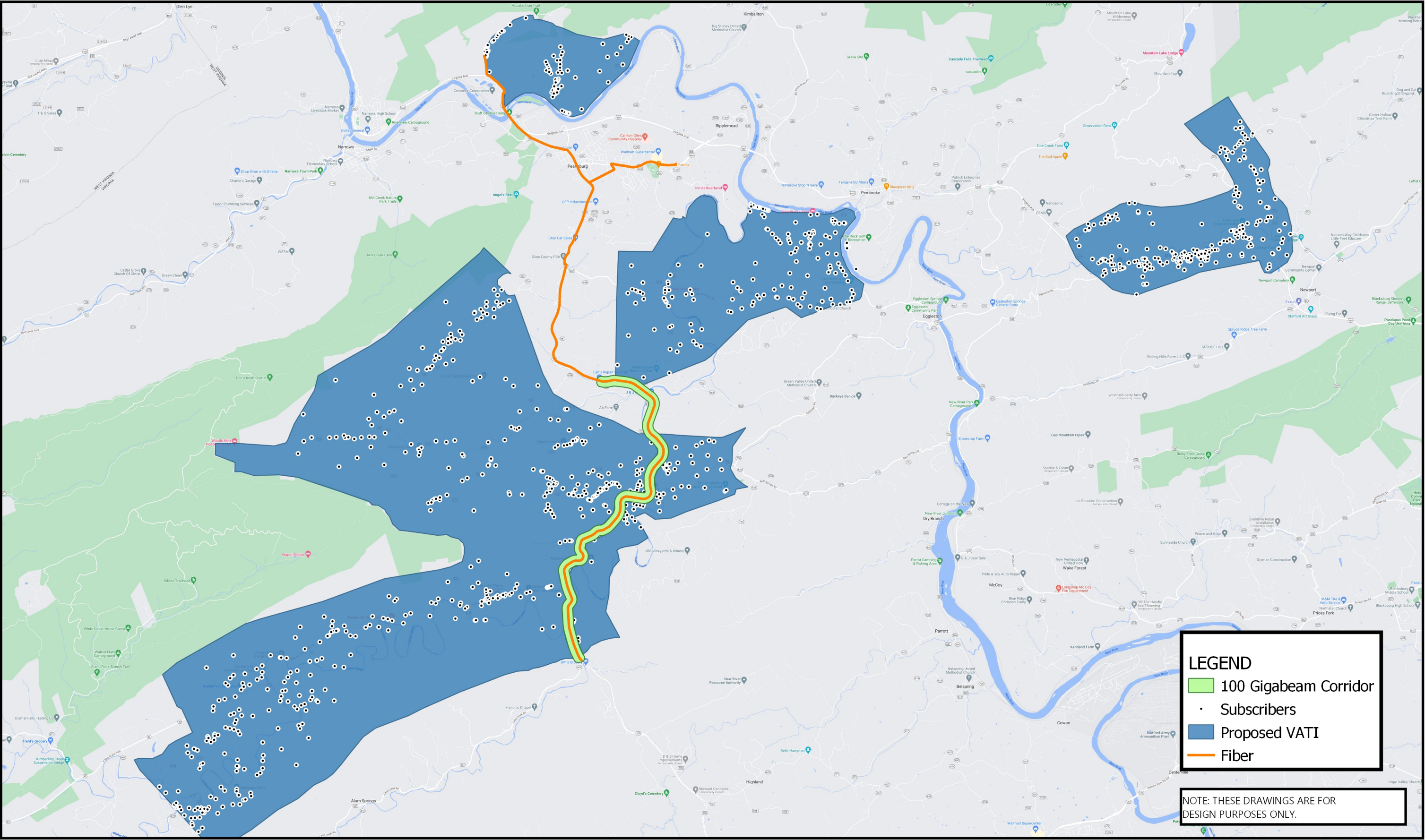
Optional

Attachment18ProposedRateReduction825202223111.pdf

Application to DHCD Submitted through CAMS

Giles County

MegaNet-PemTel



**PROPOSED SERVICE AREA VATI
DESIGN**

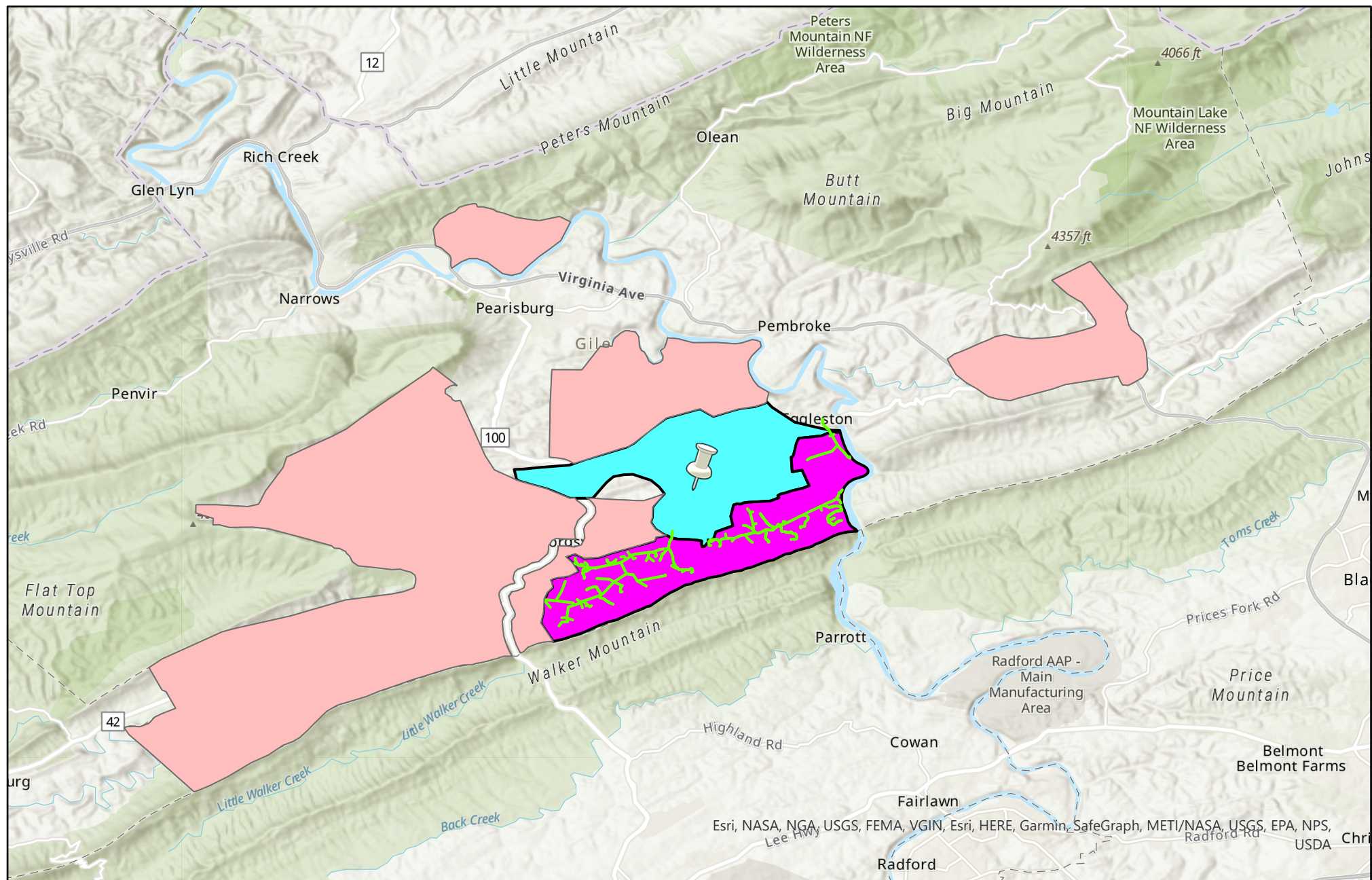


Pembroke Telephone Cooperative
504 Snidow St
Pembroke, Virginia 24136
(540)626-7111

Prepared By:
Mid-South Consulting Engineers, Inc.
a Subsidiary of
MID-STATE CONSULTANTS
3901 Rose Lake Drive, Charlotte, NC 28217
704-357-0004



2018 and 2021 Community Connect Grants



PemTel_2023 VATI Project Area

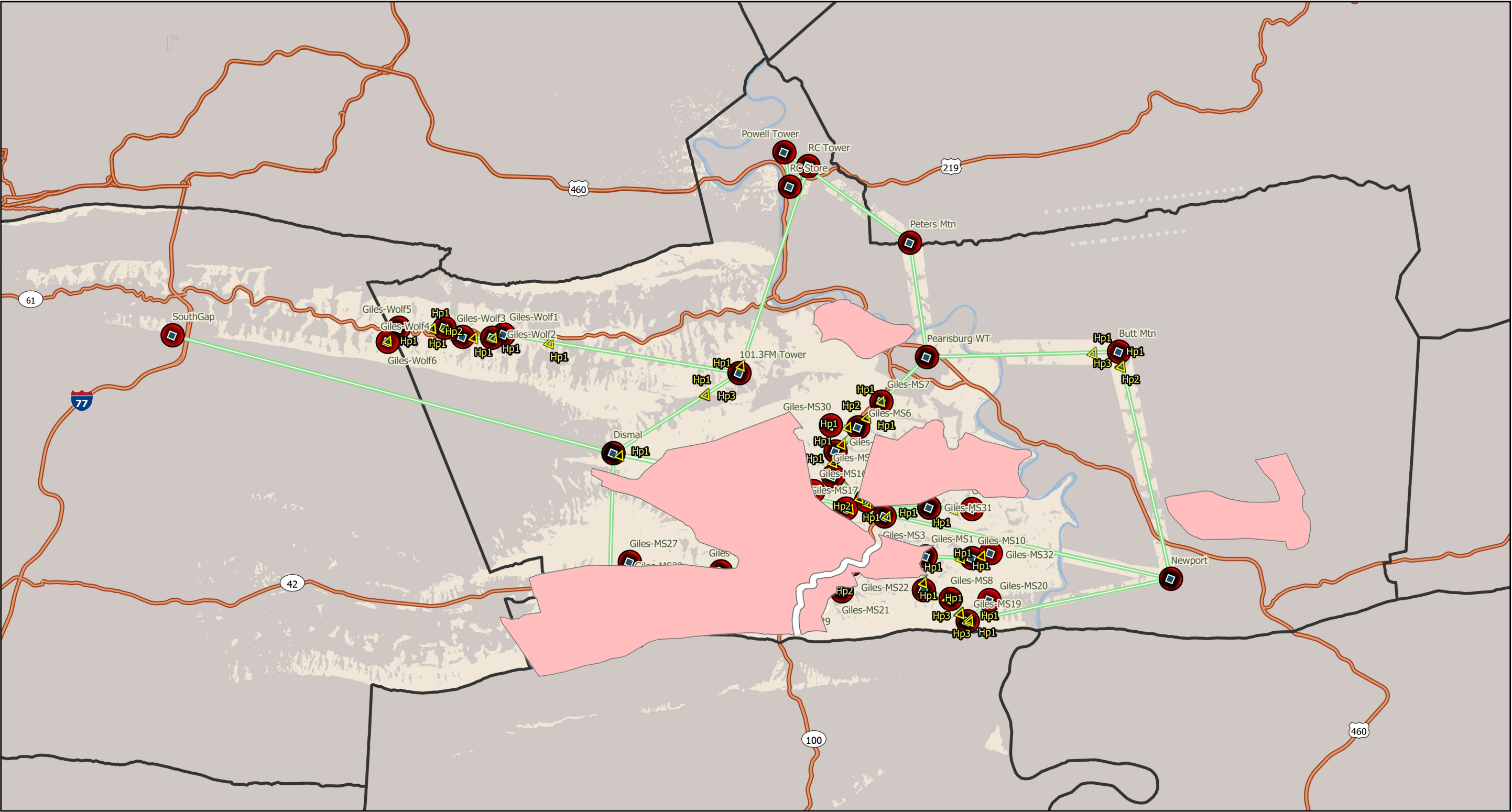
Community Connect
Grant_2018

Community Connect
Grant_2021



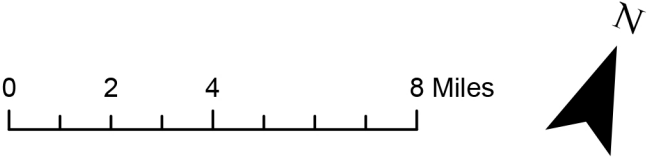
0 1.18 2.35 4.7 Miles

VATI 2018 Grant

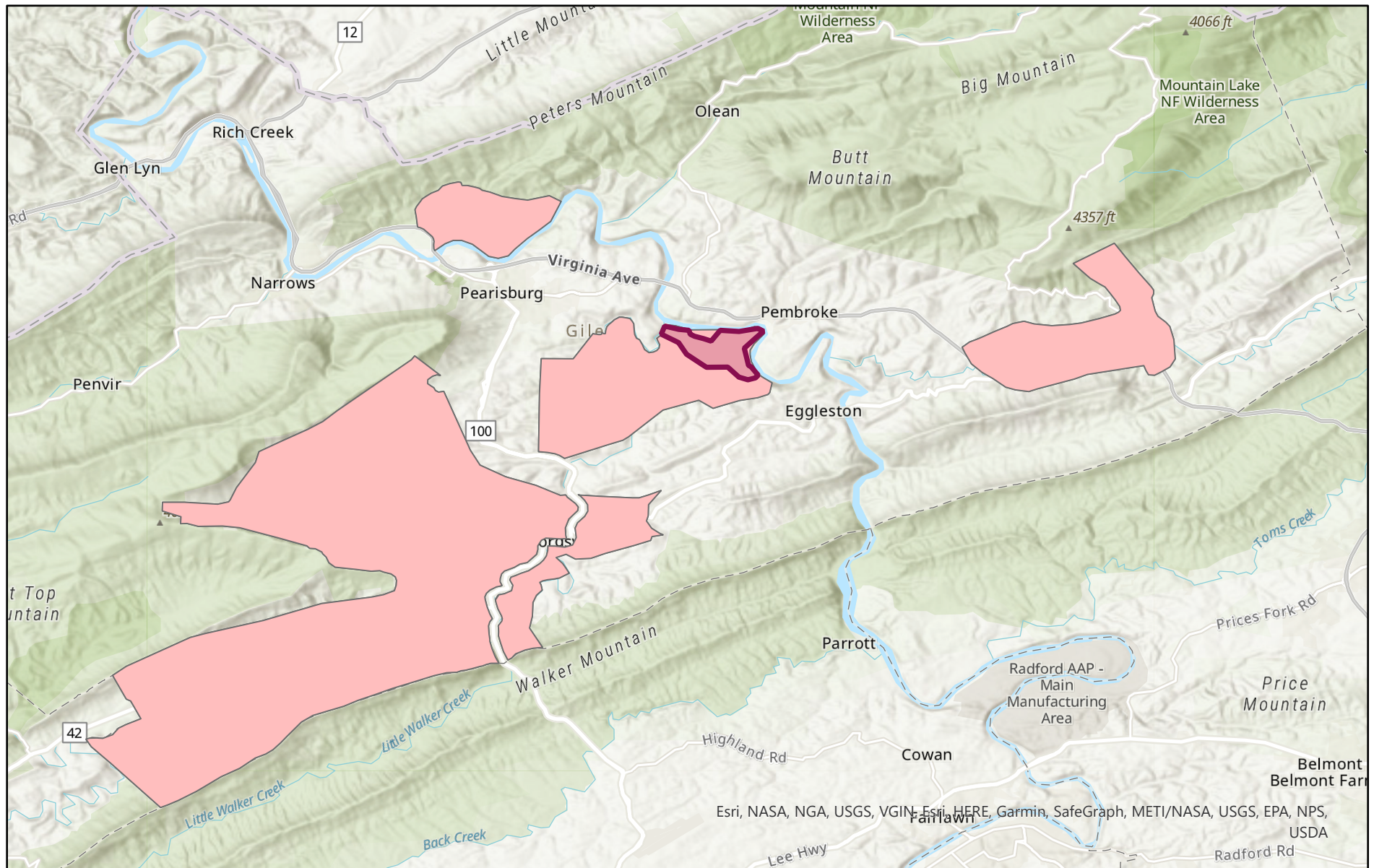


Created by NRVRC, 2018. Sources: Virginia Geographic Information Network, Virginia Department of Transportation, West Virginia Department of Transportation.

- County Boundaries
- Outside Project Area
- New River
- Coverage
- Roads
- Pemtel's VATI 2023 Project Area



ARC Broadband Implementation Grant



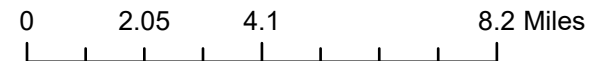
Legend



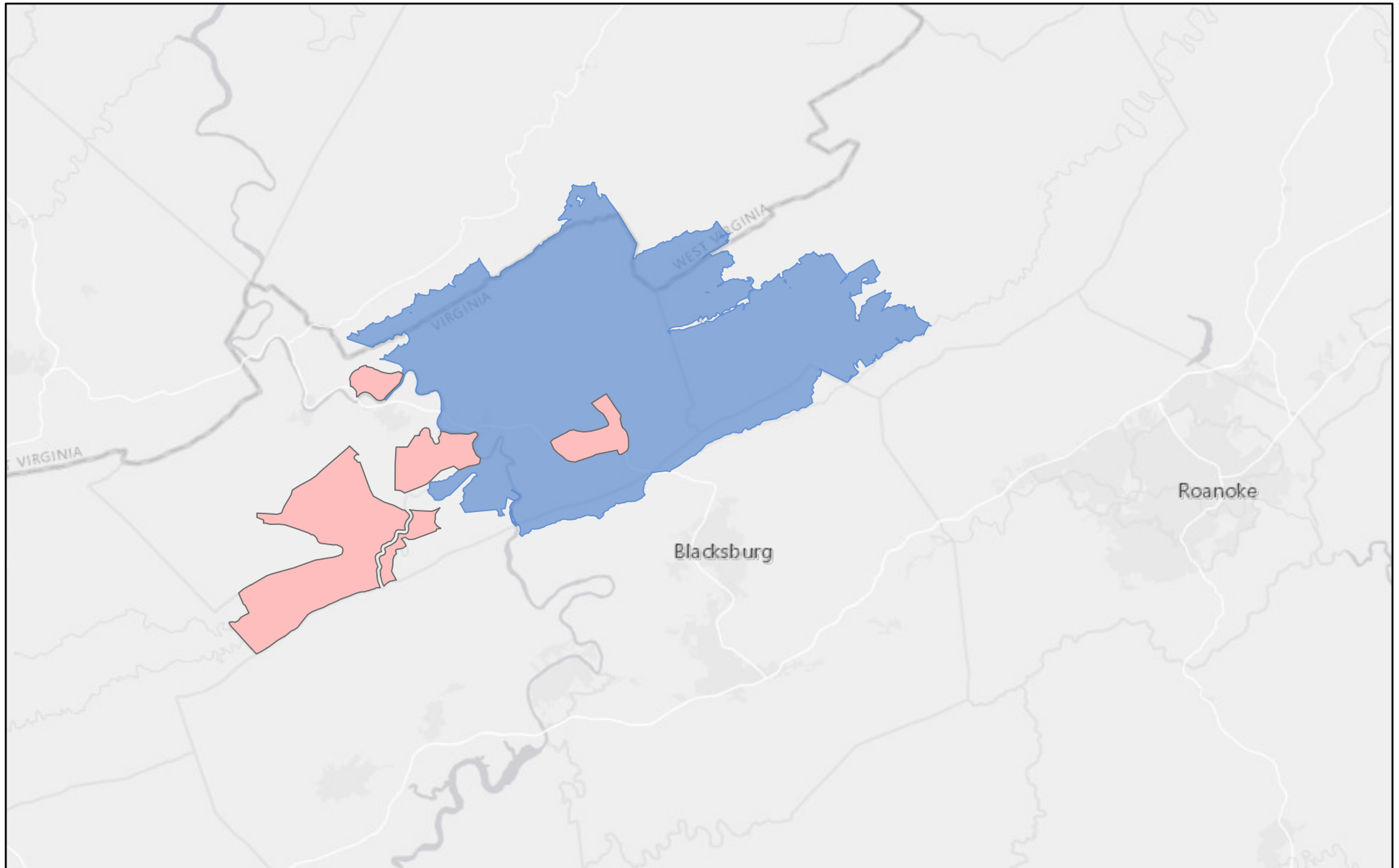
PemTel_2023 VATI Project Area



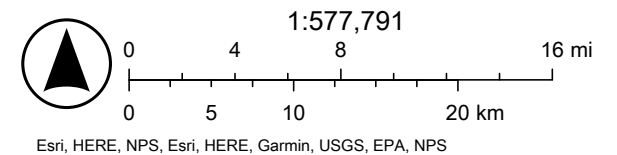
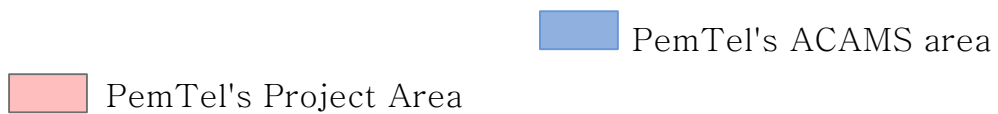
Total Area of Potential Effect



FEDERAL FUNDING A-CAMS



8/24/2022

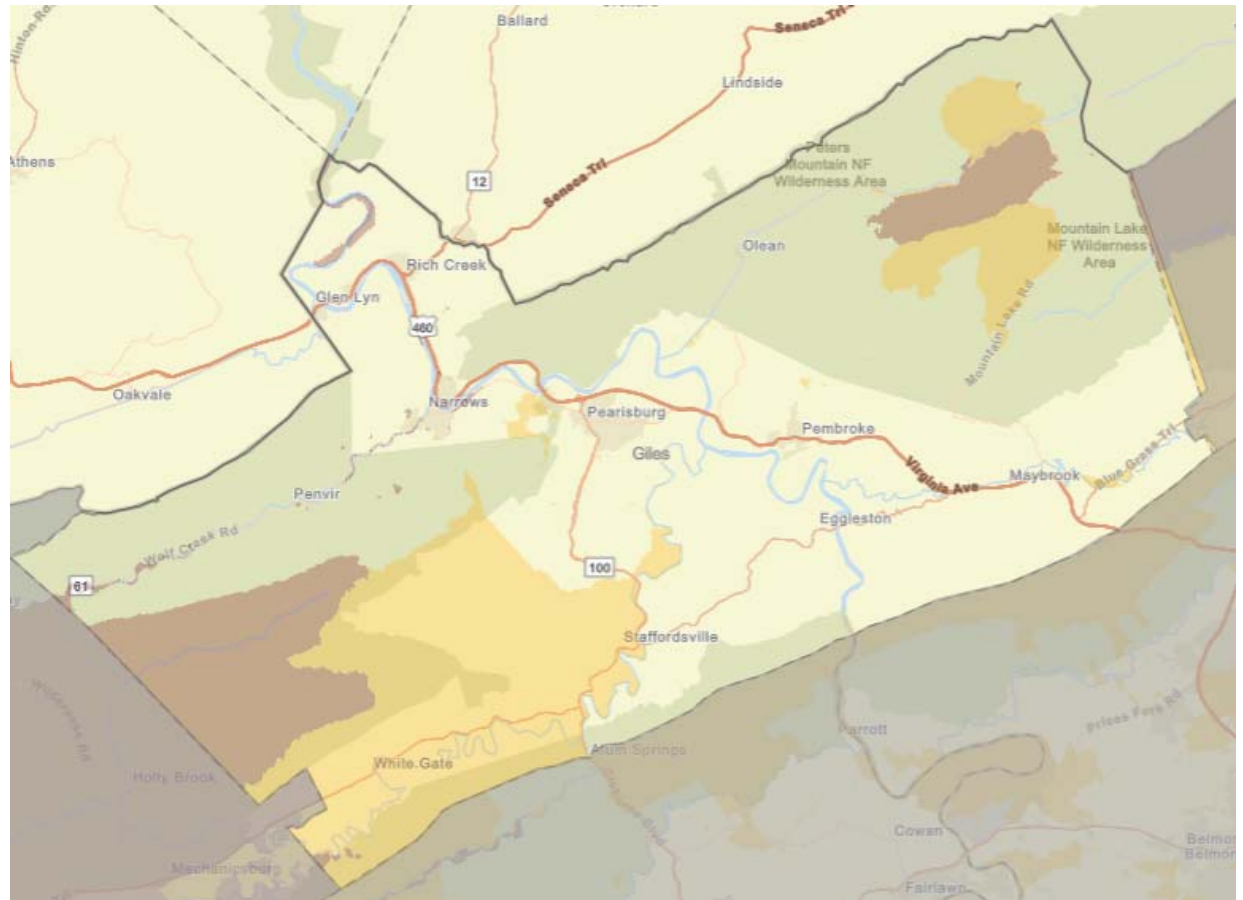


Giles Un/Underserved Areas

Giles Household coverage

stats: Source: FCC 477 Dec 2016

- 1.3% have access at less than 4 Mbps (Includes no coverage)
- 0% have access ≥ 4 Mbps and < 10 Mbps
- 7.3% have access at ≥ 10 Mbps and < 25 Mbps
- 91.4% have access at ≥ 25 Mbps

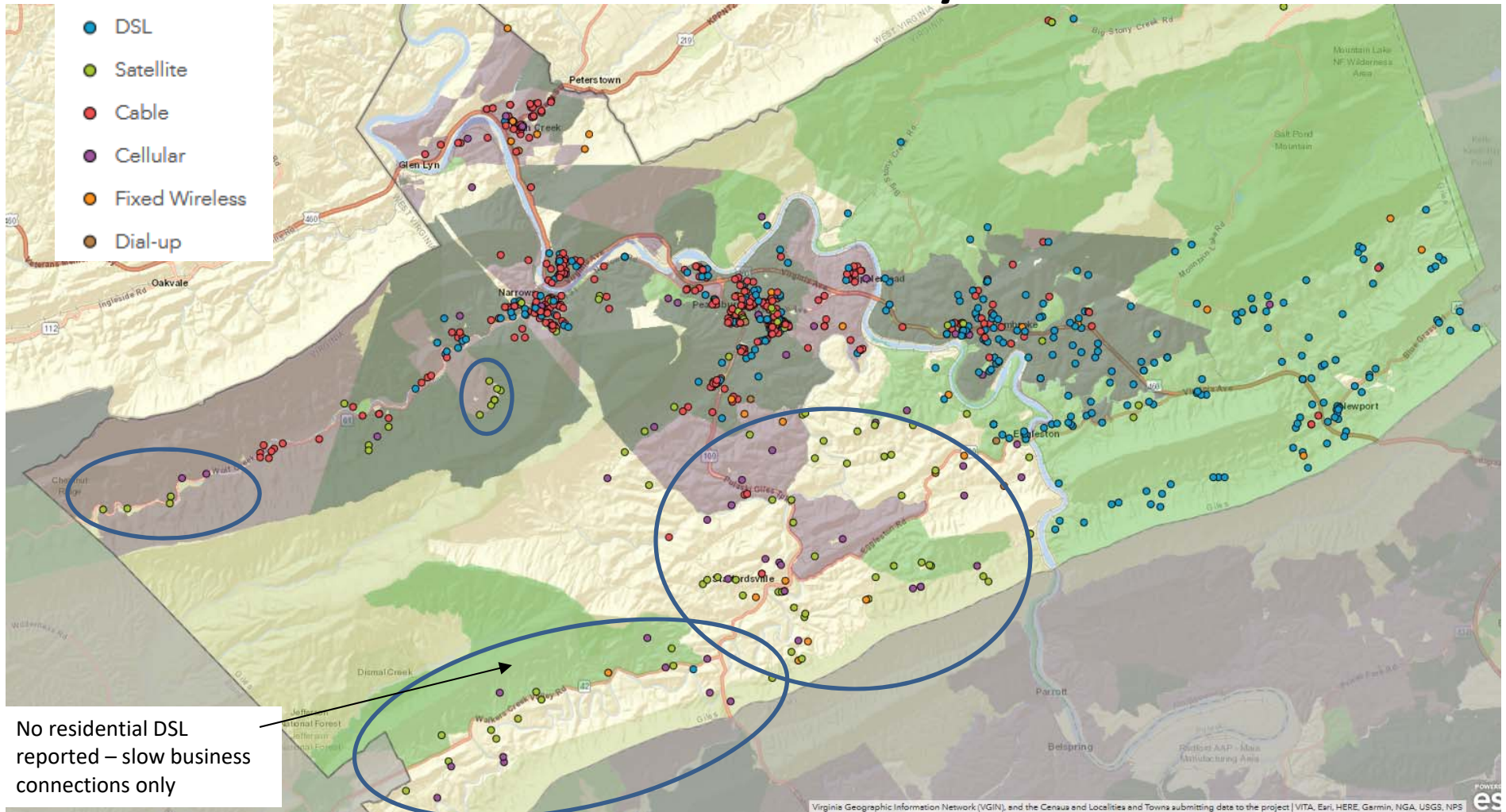


● Unserved = Broadband speed below 10/1 Mbps Download/Upload speed

● Underserved = Broadband speed between 10/1 Mbps Download/Upload speed and 25/3 Mbps Download/Upload speed

Giles County

RESIDENTIAL CONNECTION TYPES



- DSL coverage
- Cable coverage
- DSL/Cable overlap

Areas of where only satellite and cellular responses exist within DSL or Cable coverage areas, likely exposes overstated coverage. Fixed wireless is reported in the circled areas but few reported responses. The fixed wireless provider West of Rt. 100 does not provide broadband speeds for residential services.

2023 Virginia Telecommunication Initiative (VATI)

Passing Form

Type of Passings	Total Number of Passings in the Project Area ¹	Passings in the Project Area, without Special Construction Costs Required ²	Passings with Special Construction Costs budgeted in the Application ³	Number of Passings with Speeds at 25/3 or below in Project Area ⁴
Residential	1040	1040	0	1040
Businesses (non-home based)	11	11	0	11
Businesses (home-based)	8	8	0	8
Community Anchors	2	2	0	2
Non-residential	7	7	0	7
Total	1068	1068	0	1068

Note: The Total Number of Passings **MUST** be equal to the Residential, Business (non-home based), Non-residential and Community Anchors sum.

Note: Do not include passings in RDOF awarded areas that were awarded to the co-applicant; these passings should be included in the RDOF Passings Form. Passings included in this application in RDOF awarded areas that were not awarded to the co-applicant, unless successfully challenged, are considered unserved and should be counted as passings in this form.

¹The total number of structures in the project area that can receive service. See definition of passing below for more detail.

²The number of structures in the project area that will not require special construction costs to provide service to. These passings fall within the broadband provider's standard service connection drop length and do not require nonstandard equipment or any additional fees above normal service connection fees required to provide broadband access to a premise.

³The number of structures in the project area with all construction costs budgeted in the application. These passings will not require any additional special construction costs beyond those budgeted for in the VATI application.

⁴The number of structures in the project area that do not have access to internet at speeds of at least 25 mbps download and 3 mbps upload.

Definitions

Passing – any structure that can receive service. Multi-unit structures may be counted as more than 1 passing, provided individual connections and account are planned at that structure.

Business – An organization or entity that provides goods or services in order to generate profit. Businesses based in residential homes can count if they are a registered business (BPOL, LLC, etc.).

Community Anchor - schools, libraries, medical and health care providers, public safety entities, community colleges and other institutions of higher education, and other community support organizations and agencies that provide outreach, access, equipment, and support services to facilitate greater use of broadband service by vulnerable populations, including low-income, unemployed, and the aged.

Non-Residential Passing – places of worship, federal, state, or local facilities or other potential customers that are neither a residence, business or a community anchor as defined above.

**Attachment 7A - Project Management Plan
Giles County PemTel-Others Area VATI FTTH Project**

Task for Giles County Pemtel VATI Areas	Responsible Person	Responsible Entity	VATI Miles	VATI Cust.	Yr 1					Yr 2					Yr 3				
					QT 1	QT 2	QT 3	QT 4	QT 1	QT 2	QT 3	QT 4	QT 1	QT 2	QT 3	QT 4			
Entire Area			142.00	1068															
Final Design/Field Staking/Const. Sheets	PemTel Eng VP/Eng Cons Mgr	PemTel Eng/Eng Consultant (Cons)																	Complete
Phase Material Purchase Orders and Delivery	PemTel Purchasing Agent	PemTel Eng/Eng Cons																	
Permits/Encroachments/Property Procurement	PemTel Eng VP/Eng Cons Mgr	PemTel Eng/Eng Cons																	
Remote Distribution Fiber Placement	PemTel Eng VP/Eng Cons Mgr/Const Mgr	PemTel Eng/Eng Cons/Const. Contractor																	
Remote Transport Fiber Placement	PemTel Eng VP/Eng Cons Mgr/Const Mgr	PemTel Eng/Eng Cons/Const. Contractor																	
Splicing & Testing- Fibers	PemTel Eng VP/Eng Cons Mgr/Const Mgr	PemTel Eng/Eng Cons/Const. Contractor																	
Remote Site Order/Install	PemTel Eng VP/Eng Cons Mgr/Const Mgr	PemTel Eng & Const/Building Contractor																	
Remote Equipment Install	PemTel Net VP/Equip Vend Mgr	PemTel Net/Eng Cons/Equipment Vendor																	
Remote Equipment Testing/Turnup	PemTel Net VP/Equip Vend Mgr	PemTel Net/Eng Cons/Equipment Vendor																	
Drop Installs and Testing	PemTel Eng VP/Eng Cons Mgr/Const Mgr	PemTel Eng/Eng Cons/Drop Contractor																	
Customer Installs with Test Results	PemTel Eng VP/Eng Cons Mgr/Const Mgr	PemTel Eng/Eng Cons/I&R Contractor																	

MILESTONES for Giles County PemTel/Other VATI FTTH Project Revised 8-18-22

		Miles	Locations Passed	% of This Milestone when Task is complete	% of Entire Project when Task is complete	Task Total	Total % of Task Completion to date	Total % of Milestone Completion to date	Total % of Project Completion to date
Summary Tasks	Milestone #1-Giles County PemTel/Others Area 2023-2025								
1	Engineering Design, Field Staking & Permits			8.6%	8.6%	\$ 672,480	0.0%	0.0%	
2	Distribution & Transport Fiber Installation & Material with Eng	122		56.1%	56.1%	\$ 4,404,000	0.0%	0.0%	
3	Common Fiber Installation & Material with Eng	20		15.3%	15.3%	\$ 1,200,000	0.0%	0.0%	
3	Fiber Drops & ONT Installation & Materials		1068	15.2%	15.2%	\$ 1,195,600	0.0%	0.0%	
4	Installation & Materials of Access & Switching Equip			3.5%	3.5%	\$ 275,000	0.0%	0.0%	
5	Installation & Materials of Access & Switching Equip			1.3%	1.3%	\$ 100,000	0.0%	0.0%	
	County Project Totals	142	1068	100.0%	100.0%	\$ 7,847,080	0.0%	0.0%	0.0%
	Total Project % Completion When This Milestone is Complete				100.0%				
	Subtotal of Entire Project % Completion When Milestones are Complete				100.0%				

**Draft Memorandum of Agreement
Between County of Giles and Pembroke Telephone Cooperative
for the Expansion of Broadband in the County**

This MEMORANDUM OF AGREEMENT ("agreement") entered into this _____ day of _____, 2022 by the County of Giles, Virginia, located at 315 N Main St, Pearisburg, VA 24134 (the "county") and Pembroke Telephone Cooperative, located at 504 Snidow St. Pembroke, VA 24136 ("PemTel"). These are the "Parties" to this agreement which pertains to the application for 2023 Virginia Telecommunication Initiative ("VATI") funds granted by the Virginia Department of Housing and Community Development ("DHCD") pursuant to an Agreement between DHCD and the county for the expansion of broadband into the unserved areas of Giles County ("project") (see Project Area Map attached as Attachment 1).

Section 1--Funding and Scope of Work

Project Funds

Giles County is requesting funding in the amount of \$6,276,480.00 from VATI funds ("DHCD Grant") for the purpose of expanding broadband service to 1068 serviceable units, including 21 businesses and community anchors for unserved areas throughout Giles County as depicted on the Project Area Map. The county is contracting with PemTel as the developer of the project. PemTel is in close coordination with the county, and DHCD shall perform all professional services and construction needed to complete the project's development in full compliance with the terms of this agreement.

PemTel shall also provide 20% percent or \$1,570,600.000 in matching funds toward the project ("PemTel Grant").

Budget

PemTel shall utilize the DHCD Grant and PemTel Grant on eligible costs as outlined in the approved budget, which is hereby incorporated into this agreement and attached as Attachment 2. PemTel and the County shall prepare a detailed budget that outlines how the grant funds shall be utilized, including an itemization of equipment, construction costs, and a justification of proposed expenses. Each service area shall have delineated budget information.

Project Scope of Work

This project includes making broadband services available through the utilization of fiber-to-the-premise technology to underserved 1068 units, including 2 community anchors in Giles County, as depicted by the project area map. The project will utilize XGN-PON equipment cable to deliver 10Gbps symmetrical speeds to end users throughout the coverage area. Based on PON (passive optical network), the design of the network will be in a 32:1 split ratio for customer access, and speeds from 100Mbps to 1Gbps symmetrical will be initially offered.

The project utilizes existing AEP fiber that is located near the project areas, as well as new PemTel fiber, to provide the primary internet connections. This fiber point of presence provides connectivity to the network with initial capacities up to 10Gbps. OLT cabinets are installed throughout the services territory that distributes to the service locations and interconnects to the middle mile fiber.

End users connect using XGS-PON ONT's capable of up to 10Gbps symmetrical speeds. Also provided to the customer is a Wi-Fi 6 capable wireless router with enhanced services, including parental controls and network security.

All the proposed fiber to the home and wireless infrastructure for this project shall be owned or leased by PemTel.

PemTel shall initiate the Field Engineering on MM/YYYY, with the construction of the project beginning no later than MM/DD/YYYY. The project is estimated to take two and one-half (2.5) years, and PemTel shall complete the project on or before MM/DD/YYYY. If the project is not completed by that date and the County and DHCD have granted no written extension, all DHCD Grant funds and County Grant funds and this agreement shall be terminated. PemTel shall return to the County all DHCD grant funds required by DHCD and all County Grant funds required by the county. The parties agree that a written extension of the time to perform shall not unreasonably be withheld.

PemTel shall carry out the following specific activities in the implementation of the project:

- 1) Oversee the performance of all vendors, general contractors, and subcontractors that are involved in the development of the project to assure compliance with this agreement and all applicable federal, state, and local laws and regulations, including the following, which shall be incorporated and made a part of this agreement:
 - a) CDBG General Management Manual
 - b) Project Management Plans/Project Plans
 - c) Terms and Conditions in the Agreement between DHCD and the County
- 2) Process payments to vendors, contractors, and subcontractors in accordance with the approved budget in a commercially reasonable and timely manner
- 3) Assure that funds provided under this agreement are only used for eligible purposes as outlined in the approved budget and must take proactive steps to prevent misuse and/or mismanagement of funds.

The county shall be responsible for hiring the New River Valley Regional Commission ("regional commission") to administer the DHCD Grant. The county and PemTel shall meet with the representative(s) for the Regional Commission serving as the Project Grant Administrator at least monthly to monitor the project's progress properly. The Project Management Plan shall be reviewed by PemTel, the County, and Grant Administrator to determine if the project is being implemented according to the Project Management Plan. The Project Management Plan shall be updated to recognize any deviation from the approved Plan, and DHCD shall be notified.

Performance Measures

[Add section about meeting project performance measures, with time frames, and county recourse if non-compliant]

Section 2—Reimbursement of Expenses

The county shall provide the DHCD funds and County funds to PemTel on a pay-for-performance basis. PemTel shall perform the work first and then seek reimbursement from the county's grant administrator through the DHCD grant funds. It is expressly agreed and understood that the county's total amount to be paid to PemTel under this agreement should not exceed the DHCD grant and county grant.

The county's grant administrator shall process PemTel's claims for payment in a timely and reasonable manner upon determining that PemTel submitted all required and properly completed supporting documentation as required by DHCD and the county. All claims for reimbursement for work performed shall be in conformance with the latest approved budget and be supported by properly executed payrolls, time records, invoices, contracts, or vouchers evidencing in proper detail the nature and propriety of the claim for reimbursement.

A five percent (5%) retainage shall be withheld from each payment by the county. The retainage shall be disbursed within thirty (30) days once the county receives notice from DHCD that the project is complete and in conformity with DHCD grant requirements. If the project is not constructed in conformity with the DHCD grant requirement, the county may use the retainage funds to complete any items identified by the county or DHCD should PemTel fail to do so.

Section 3—Initial Broadband Services, Offerings, and Marketing

PemTel agrees that the initial residential/business offerings for Broadband Services within the project area, once the project is completed, shall be as follows:

Initial small business/residential offerings per month shall include:

MAX DOWNLOAD	MAX UPLOAD	MONTHLY RATE (WHEN COMBINED WITH ACTIVE TELEPHONE SERVICE)	MONTHLY RATE (WITH NO ACTIVE TELEPHONE SERVICE)
10	1	\$62.95	\$72.95
15	1	\$64.95	\$74.95
25	3	\$69.95	\$79.95
30	5	\$79.95	\$89.95
30	15	\$89.95	\$99.95
40	5	\$94.95	\$104.95
100	50	\$109.95	\$119.95
200	200	\$299.99	\$309.99
500	500	\$399.99	\$409.99

Marketing

PemTel agrees to market the residential and business broadband service once available in the project map area using the following:

- Newsletter Updates
- Social Media
- Direct Marketing (Letters and Phone Calls to Customers)
- Newspaper Ads
- Word of Mouth
- Mailers

Section 4—Insurance Requirements

- 1) PemTel shall maintain for the duration of construction, at PemTel's expense, insurance that includes "Occurrence" basis wording and is issued by a company or companies qualified to do business in the state of Virginia acceptable to the county. PemTel shall name the county as an additional insured on all liability policies and acknowledges that any insurance maintained by the county shall apply in excess of and not contribute to insurance provided under PemTel's policy to the extent county's insurance would apply. PemTel agrees to maintain insurance policies commensurate with all County contract requirements within the scope of this agreement as follows:
 - a) Commercial Liability Insurance, including premises liability, bodily injury, and product/completed operations coverage with a combined single limit of \$1,000,000.00 per occurrence, with a \$3,000,000.00 aggregate, and
 - b) Non-owned/hired automobile liability of \$1,000,000.00 in aggregate.
 - c) Worker's Compensation Covering statutory requirements of the State of Virginia and Employer's Liability of not less than \$100,000.00.
 - d) Equivalent insurance coverage for real property and equipment acquired with DHCD Grant Funds or County Grant Funds.

Acceptance or approval of insurance shall in no way modify or change the indemnity or hold harmless clauses in this agreement, which shall continue in full force and effect.

- 2) PemTel agrees to provide the county with Certificates of Insurance evidencing the above-required insurance before commencement of activity as part of this agreement, and thereafter with certificates evidencing renewals or replacements of said insurance policies at least fifteen (15) days before the expiration or cancellation of any such policies. The contractual liability arising out of the agreement shall be acknowledged on the Certificate of Insurance by the insurance company. The county shall be provided within thirty (30) days prior notice, in writing, of Notice of Cancellation or material change to the insurance, and said notification shall be stated on the Certificate of Insurance. PemTel's subcontractors, if any, shall comply with the exact insurance requirements.

PemTel shall be responsible for verifying insurance by those entities it hires. If said entities do not carry proper insurance, then PemTel shall have insurance protection from claims which may arise out of or as a result of the work, whether it be performed by PemTel, subcontractor, independent contractors, consultants, agents, supplier, and the like, whether directly or indirectly employed by any of them or by anyone for whose acts any of them may be liable.

Insurance Notices and Certificates of Insurance shall be provided to:

Chris McKlarney, County Administrator
Giles County Administration
315 North Main St.
Pearisburg, VA 24134
cmklarney@gilescounty.org

Section 5-Indemnification and Hold Harmless

PemTel agrees to indemnify and hold the county, its officials, board members, constitutional officers, and officers, agents, attorneys, and employees (each represented as "the county") harmless against and from all claims by or on behalf of any person, firm or corporation including but not limited to the grant provided by DHCD for the project, arising from the conduct or management of, or from any work or things done or omitted to be done on the project while this agreement obligations remain outstanding, including but not limited to (i) any condition of the project, (ii) any breach or default on the part of PemTel in the performance of any of its obligations under this agreement, (iii) any act of negligence of PemTel, or any of its agents, contractors, servants, employees, or licensors, (iv) any act of negligence of any assignee or lessee of PemTel, or of any agents, contractors, servants, employees, or licensees of any assignee or lessee of PemTel, (v) any performance by the county as required under this agreement or as requested by PemTel, this paragraph shall also apply to any subcontractors of PemTel and (vi) for any repayment obligation the county may have to DHCD due to the county contracting with DHCD to be the Grantee for the \$ _____ DHCD Grant Funds being provided to PemTel pursuant to this agreement for the project.

PemTel agrees to indemnify and save the county harmless from and against all costs and expenses incurred in or in connection with any such claim arising as aforesaid or in connection with any action or proceeding brought thereon. In case any such claim shall be made, or action brought based upon any such claim in respect of which indemnity may be sought against PemTel, upon receipt of notice in writing from the county setting forth the particulars of such claim or action, PemTel shall assume the defense thereof including the employment of counsel and the payment of all costs and expenses. In any such action, the county shall have the right to employ separate counsel mutually acceptable to the county and PemTel and to participate in the defense thereof; provided that if the county and PemTel participate in the defense thereof; provided that the county and PemTel cannot agree on mutually acceptable counsel, the county shall have the exclusive right to select such counsel. The fees and expenses of such counsel reasonably incurred shall be at the expense of PemTel without regard to any authorization of such employment by PemTel.

Section 6—Compliance with Federal, State& Local Laws

PemTel covenants and warrants that it shall comply with all applicable laws, ordinances, codes, rules, and regulations of the state, local, and federal governments, including but not limited to those laws and regulations specifically listed in the Assurance/Certification Section of the Agreement between DHCD and the County.

PemTel agrees to comply with all applicable standards, orders, or requirements issued under section 306 of the Clean Air Act (42 USC 1857(h)), section 508 of the Clean Water Act (33 USC 1368), Executive Order 11738, and Environmental Protection Agency regulations (40 CFR part 15).

Section 7—Suspension and Termination

- 1) The county may suspend or terminate this agreement, in whole or part, if PemTel materially fails to comply with any terms of this agreement or any of the rules, regulations, or provisions related to DHCD grant funding of this agreement referred to herein. In the event there is probable cause to believe PemTel is in material noncompliance with any applicable rules or regulations, the county may withhold further payment of DHCD grant funds until such time as PemTel is found to comply by the county or is otherwise adjudicated to comply. The county will notify PemTel in writing of any action to suspend or terminate before taking such action.

- 2) [Add Suspend or Termination stipulation regarding substantive project progress, without just cause]
- 3) This agreement shall be terminated and canceled without penalty if the PemTel Grant and/or the DHCD grant funding, upon which the parties are dependent, to pay for this service fails to be appropriated or otherwise made available in whole or in part.
- 4) If the county suspends or terminates this agreement in whole or in part due to any reason set forth above, the county will not be liable for any loss or damage to PemTel that results directly or indirectly from said suspension or termination.
- 5) The county shall not be responsible for or liable for language included or excluded in any of PemTel's subcontracts, purchase orders, and the like.
- 6) Upon a good faith suspension or termination by the county of this agreement, PemTel shall remit to the county within thirty (30) days of receipt of written notice the entire amount of DHCD Grant funds that DHCD requires the county to return to DHCD under the agreement between DHCD and County.

Section 8—Remedies

In the event of any violation or breach of this agreement, including but not limited to, PemTel's misuse or misapplication of funds derived from this agreement, by PemTel's violation of any of the statutes, rules, and regulations of DHCD, either directly or indirectly, by PemTel and/or any of its agents or representatives, then PemTel, to the extent permitted by law, agrees to indemnify and hold county harmless from any requirement by the county to repay to DHCD the DHCD grant funds the county paid PemTel for this project or penalties and expenses, including attorneys' fees and costs of litigation, resulting from such action or omission by PemTel. In the event DHCD makes any claim to the county requiring the county to repay any portion of the DHCD Grant which would give rise to invoking the remedy provisions, as set forth in this section, then the county shall immediately notify PemTel in writing, providing the full details of the alleged violation. PemTel shall provide to the county within thirty (30) days of receiving written notice of the portion of the DHCD grant the county is required to repay DHCD pursuant to the agreement between DHCD and the county. Should PemTel fail to provide the funds to the county, the county may proceed to enforce repayment of the DHCD Grant by retaining any of the retainages still in possession of the county and/or exercise any, and all other rights, powers, or remedies the county may have under law. The parties agree that any dispute, action, claim, cause of action, breach of contract, or other remedy or relief sought under the provisions of this agreement or any related project shall be controlled and decided by the laws of the State of Virginia. The parties further agree that the appropriate venue for any disputes shall be the Montgomery Circuit Court or the US District Court, Western Division of Virginia, if applicable.

Section 9—Default-Loss of Grant Funds

If PemTel fails to fully perform and carry out any of the terms, covenants, and conditions of the agreement, PemTel shall be in default, and notice in writing shall be given to PemTel of such default by the county or an agent of the county. If PemTel fails to cure such default within thirty (30) days after written notice thereof from the county (unless such default is not capable of cure within such thirty (30) day period, in which case PemTel shall promptly commence and diligently prosecute to completion the cure of such default after written notice thereof from the county), the county may at its option terminate and cancel the agreement.

In the event of such termination, all DHCD Grant funds awarded to PemTel under this agreement shall be immediately revoked. Any approvals related to the project shall be immediately revoked and canceled. In such an event, PemTel will no longer be entitled to receive any compensation for work undertaken after the date of the termination of this agreement, as the DHCD Grant funds will no longer be available for this project.

Such termination shall not affect or terminate any of the rights of the county as against PemTel then existing, or which may thereafter accrue because of such default, and the foregoing provision shall be in addition to all other rights and remedies available to the county under the law.

The waiver of a breach of any term, covenant, or condition hereof shall not operate as a waiver of any subsequent breach of the same or any other term, covenant, or condition hereof.

Section 10—Reporting Responsibilities

- 1) Project Files PemTel shall keep a file on the project containing the information as required by DHCD.
- 2) Record Retention All records must be retained for five years after completion of the project.
- 3) Meeting Attendance PemTel will have a representative attend all meetings regarding the project scheduled by the county or DHCD unless the county is given notice of non-attendance 24 hours before the scheduled meeting time.
- 4) Requests of the County At the reasonable request of the county or DHCD, PemTel shall furnish such reports, budgets, certifications, and other documents required pursuant to Federal, State, or County rules, regulations, and policies that apply to the project and shall give specific answers to questions from the county of DHCD, from time to time, relative to PemTel's contracts and operations in connection with the project.

Section 11—Inspection, Monitoring & Access to Records

The county reserves the right to inspect, monitor, and observe work and services performed by PemTel at any and all reasonable times.

The county reserves the right, at the county's expense, to audit the records of PemTel for five years after the completion of the project. The county reserves the right to audit the records of PemTel at any time during this agreement's performance and for five years after final payment is made under this agreement.

If required, PemTel shall provide the county with a certified audit of PemTel's records representing the Fiscal Year during which the project becomes complete pursuant to the requirements of DHCD and OMB Circular A-133.

Access shall be granted upon reasonable notice to the County, DHCD, the Comptroller General of the United States, or any of their duly authorized representatives to any books, documents, papers, and records of PemTel or its contractors which are directly pertinent to that specific contract to make audit, examination, excerpts, and transcriptions.

Section 12—General Conditions

- 1) All notices or other communications which shall or may be given under this agreement shall be in writing and shall be delivered by personal service, overnight delivery service, or by registered mail addressed to the other party at the address indicated herein or as the same may be

changed from time to time. Such notice shall be deemed given to the day on which personally served, if by overnight delivery service, on the date of receipt of such notice; or, if by mail, on the fifth day after being posted or the date of actual receipt, whichever is earlier.

County:

County of Giles

ATTN: Chris McKlarney, County Administrator

315 North Main St.

Pearisburg, VA 24134

PemTel:

Pembroke Telephone Cooperative

ATTN: Jason Dudding

504 Snidow St.

Pembroke, VA 24136

- 2) Titles and headings are for convenient reference and are not part of this agreement.
- 3) In the event of a conflict between the terms of this agreement and any terms or conditions contained in any attached documents, the term in this agreement shall rule.
- 4) No waiver or breach of any provision of this agreement shall constitute a waiver of a subsequent breach of the same or any other provision hereof, and no waiver shall be effective unless made in writing.
- 5) The parties hereto agree that this agreement shall be construed and enforced according to the laws of the Commonwealth of Virginia.
- 6) Should any provisions, paragraphs, sentences, words, or phrases contained in this agreement be determined by a court of competent jurisdiction to be invalid, illegal, or otherwise unenforceable under the laws of the State of Virginia, such provisions, paragraphs, sentences, words or phrases shall be deemed modified to the extent necessary to conform with such laws, or if not modifiable to conform with such laws, then same shall be deemed severable. In either event, this agreement's remaining terms and provisions shall remain unmodified and in full force and effect.
- 7) PemTel shall comply with the provisions of the Copeland Anti-Kick-Back-Act (18 USC 874).
- 8) PemTel shall comply with the provisions of sections 103 and 107 of the Contract Work Hours and Safety Standard Act (40 USC 327-330).
- 9) PemTel further warrants and agrees to include or cause to be included the criteria and requirements of paragraphs (7) through (8) of this section in every nonexempt subcontract. PemTel also agrees to take such action as the federal, state, or local government may direct to enforce aforesaid provisions.
- 10) The obligations undertaken by PemTel pursuant to this agreement shall not be delegated or assigned to any other person or county unless the county shall first consent to the performance or assignment of such service of any part thereof by another person or county unless Giles County shall first consent to the performance or assignment of such service or any part thereof by another person or county, which consent shall not be unreasonably withheld.
- 11) The agreement shall be binding upon the parties hereto, their heirs, executors, legal representative, successors, and assigns.
- 12) PemTel and its employees and agents shall be deemed independent contractors and not agents or employees of the county. They shall not attain any rights or benefits under the county's civil service

or pension ordinances, or any rights generally afforded to a classified or unclassified employee of the county.

Section 13—Miscellaneous

1) Severability

Should any provision contained within this agreement be found, for any reason, to be invalid, illegal, or unenforceable, it shall not affect any other provision hereof, and this agreement shall be constructed as if such invalid, illegal, or unenforceable provision had never been contained herein.

2) Non-waiver of Rights

The county's failure to insist upon strict performance of any provision of this contract, or failure to exercise any right based upon breach, will not constitute a waiver of any rights under this agreement.

3) Amendments

Any amendment to this agreement must be in writing and signed by a duly authorized representative of each organization. Such amendment(s) shall not invalidate this agreement nor relieve or release the county or PemTel from its obligations under this agreement. However, the county may amend this agreement without PemTel to conform with federal, state, and local governmental guidelines, policies, and available funding amount or for other reasons. If such amendment(s) results in a change in the funding, the scope of services, or the schedule of the activities to be undertaken as part of this agreement, such modifications will be incorporated only by a written amendment signed by the county and PemTel.

This agreement represents the entire agreement between the parties and supersedes all prior representations, negotiations, or agreements, whether written or oral.

4) Counterparts

This agreement may be executed in two or more counterparts, each of which shall be deemed an original, but all taken together shall constitute the same instrument.

WITNESS the following signatures and seals:

The County of Giles, Virginia

By: _____

Chris McKlarney, County Administrator

Date: _____

Pembroke Telephone Cooperative

By: _____

Jason Dudding, PemTel

Date: _____

VATI FUNDING SOURCES TABLE

Please fill in the chart below with a description of the project funding source (local, federal, state, private, other), the amount from that source, the percentage of total project funding that source represents, and a description of the current status of the funds (pending, secured, etc.).

SOURCE	AMOUNT	%	STATUS
REQUESTED VATI	\$ 6,276,480	80%	Pending
PRIVATE MATCH	\$ 1,570,600	20%	See Attachment 10 for Documentation of Match
	\$		
	\$		
	\$		
	\$		
	\$		
TOTAL	\$ 7,847,080	100 %	



504 Snidow St. • P.O. Box 549
Pembroke, VA 24136
www.pemtel.com
(540) 626-7111

August 22, 2022

Tamarah Holmes, Ph.D

Director, Office of Broadband

Department of Housing and Community Development

600 East Main Street, Ste 300

Richmond, VA 23219

Pembroke Telephone Cooperative dba PemTel commits to provide \$1,570,600 (20%) of match funding for the VATI 2023 Giles County application if awarded. These matching funds will come from general funds or other available sources. PemTel is helping to obtain universal service in Giles County for over 100/20 minimum broadband service utilizing this fiber-to-the-home project in its service area.

Leon Law

Board President

Pembroke Telephone Cooperative

Attachment 12 - Derivation of Cost Giles County PemTel Area VATI FTTH Project

Product	Total	VATI	PemTel	Source of Estimate	Date
Giles County PemTel/Others Area 2023-25					
Eng for Design, Field Staking & Permits	\$ 672,480	\$ 672,480		Mid-South Consulting Eng	8/18/2022
Dist/Trans Buried Fiber 62mi.@\$42K	\$ 2,604,000	\$ 2,604,000		Mid-South Consulting Eng	8/18/2022
Dist/Trans Aerial Fiber 60 mi.@\$30K	\$ 1,800,000	\$ 1,800,000		Mid-South Consulting Eng	8/18/2022
Transport Fiber Common Area 20 miles@\$60K	\$ 1,200,000	\$ 1,200,000		Mid-South Consulting Eng	8/18/2022
ONT's & Drops PemTel 854@\$1400	\$ 1,195,600		\$ 1,195,600	Mid-South Consulting Eng	8/18/2022
Access/Switching Equip w/Eng	\$ 275,000		\$ 275,000	Mid-South Consulting Eng	8/18/2022
Electronic Site	\$ 100,000		\$ 100,000	Mid-South Consulting Eng	8/18/2022
Totals	\$ 7,847,080	\$6,276,480	\$1,570,600		
1068 Service Locations Passed 80% Served	100%	80%	20%		
			\$ 7,347	Cost per Passing	

August 23, 2022

Tamarah Holmes, Ph.D
Director, Office of Broadband
Department of Housing and Community Development
600 East Main Street, Suite 300
Richmond, VA 23219

Re: Pembroke Telephone Cooperative (PemTel)

Dear Dr. Holmes:

This letter is written to provide VATI a better understanding of how we obtain our pricing for the proposed grant being pursued by PemTel for the Giles County area of its service territory. The pricing at present is more of a challenge due to shortages of fiber and most of the materials. We have many projects being delayed by materials and we have had to use many methods to overcome these issues.

A lack of trained and well-equipped OSP Contractors are also creating delays and higher prices. We are bidding a 50-mile project for another one of our clients, and at present, we have had about half the bidders to drop out of the bid for different reasons.

Mid-South Consulting Engineers has been engineering fiber-to-the-home for over twenty-five years in North and South Carolina as well as many rural co-ops in Virginia and West Virginia. Mid-South engineered some of the first fiber-to-the-home projects built in Virginia, and in 2007, achieved the longest unsupported span of ADSS fiber cable across the Potomac River which is over 2500 feet in distance. We bid many fiber projects and provide estimates for them based on our historical prices that can be used to cover all the different situations that arise in OSP construction. At present, we are engineering a project in eastern Virginia that is mainly in a very sandy and suitable area to direct plow fiber, so it will not be destroyed if it was placed on poles, which can fail during ice and windstorms of any kind. We have also built projects in West Virginia and Southwest Virginia where poles are required due to the amount of rock that exists in the outer elevations. We have also built many miles of fiber in high dense areas such as Charlotte for many different carriers. We have many Contractors on our bidder's list and maintain relationships with most of the fiber cable and material vendors.

We have been providing fiber engineering services for PemTel for many years and built some of their first fiber-to-the-home projects for both aerial and buried. At present, we have just completed the field engineering for their next Community Connect Project that is being funded by the Department of Agriculture RUS program. This is a program that our company has worked with for over fifty years to bring better communication services to the rural part of the country that most private investors choose to not serve. We have a long list of clients that we have worked with for over fifty years.

Sincerely,

MID-SOUTH CONSULTING ENGINEERS, INC.



Joel O. Williams, PE
President

JOW/sms

PROVIDING COMMUNICATION
SYSTEMS ENGINEERING

3901 ROSE LAKE DRIVE
CHARLOTTE, NC 28217
TEL: (704) 357-0004

VATI Application – Giles County Letters of Support

(Alphabetical by name)

1. Dr. Terry E. Arbogast II, Superintendent – Giles County Public Schools
2. Delegate Jason Ballard – 12th District - Virginia
3. Dr./Pastor Brian Burch – Giles County Ministerial Association
4. Congressman H. Morgan Griffith – 9th District Virginia
5. Patricia B. Huber, Ph.D. – President, New River Community College
6. Roger Jones, Mayor, Town of Rich Creek, Virginia
7. U.S. Senator Tim Kaine – Virginia Letter being sent under separate cover.
8. Mr. Todd Meredith, Town Manager – Town of Pearisburg, Virginia
9. Mr. Terry Nicholson, Town Manager – Town of Narrows, Virginia
10. Mr. James D. “Dusty” Stump, Mayor – Town of Pembroke, Virginia
11. U.S. Senator Warner – Virginia Letter being sent under separate cover.
12. Ms. Kristie Williams, Vice-President – Carilion Giles Community Hospital

School Board Members

Jason B. Buckland
Melissa R. Guynn
Phillip A. Pennington
Stephen M. Steele
Mark A. Wilburn



Dr. Terry E. Arbogast, II
Division Superintendent

GILES COUNTY PUBLIC SCHOOLS

Tamarah Holmes, Ph.D – Director
Office of Broadband
Department of Housing and Community Development
600 East Main Street, Ste. 300
Richmond, VA 23219

8/16/22

Superintendent Dr. Terry E. Arbogast, II
Giles County Public Schools
151 School Road
Pearisburg, VA 24134
540-921-1421

RE: Letter of Support for Virginia Telecommunications Initiative (VATI) Broadband project proposal for
Giles County

Dear Dr. Holmes:

On behalf of the Giles County Public School System, I enthusiastically pledge our support to this project. Realization of full broadband coverage in the county is critical for our students; especially those who are historically underserved; living in our lower-income homes/areas.

Education has become increasingly more dependent upon high-speed internet over the past years. Prior to the pandemic, it became essential for research, primary/distance learning, communication, etc. With the pandemic onset, we became painfully aware of the inequities to educational technology access due to socioeconomic status.

The Giles School System, in concert with Giles County Government called every household where a student lived. We were able to affect a 60% response rate. Of those surveyed, 18.5% had no access to internet, 17.5% stated they had service but had issues with speed, data limits or other issues, 16% could not afford broadband and only 16% stated they had internet with no issues. Temporary solutions were brought into play, however, they did not, and will not, have the permanent solution that universal coverage will provide.

In closing, the Department of Housing and Community Development's (DHCD) goal of achieving universal broadband coverage is critical to, not only our students, but to the entire Giles County community in order to build and maintain economic resiliency. Please give this proposal from Giles County a favorable review.

Sincerely,

A handwritten signature in dark ink, appearing to read "T. Arbogast II".

Dr. Terry E. Arbogast II
Superintendent-Giles County Public Schools



JASON S. BALLARD

POST OFFICE BOX 341
PEARISBURG, VIRGINIA 24134

TWELFTH DISTRICT

COMMONWEALTH OF VIRGINIA

HOUSE OF DELEGATES
RICHMOND

COMMITTEE ASSIGNMENTS:
COURTS OF JUSTICE
COUNTIES, CITIES AND TOWNS
PUBLIC SAFETY

August 23, 2022

Tamarah Holmes, Ph.D.
Director
Office of Broadband
Department of Housing and Community Development
600 East Main Street, Ste. 300
Richmond, VA 23219

RE: Letter of Support for the Giles County Virginia Telecommunications Initiative
Broadband Project Proposal

Dear Dr. Holmes:

Please accept this letter of support on behalf of Giles County's proposal to receive broadband expansion assistance via the Department of Housing and Community Development Virginia Telecommunications Initiative Broadband Project. As addressed in its request, broadband expansion in Giles County has become essential to the day-to-day activities and success of individuals and businesses, in addition to regional economic and educational opportunities.

As a member of the Virginia General Assembly who resides in Giles County, I have personally and professionally experienced the necessity for increased broadband accessibility, most especially as it relates to education. During COVID, challenges faced by families whose need for virtual learning through programs such as Virtual Virginia were further exacerbated by slow connectivity. Of even greater concern during that unprecedented period in time were households that did not have adequate or in some cases, existing internet access. In response, I am confident that a partnership between Giles County and the Department of Housing and Community Development will proactively address and avoid similar hardships.

Looking to the future of Giles County and global communication, these past two years have proved that high-speed broadband internet is no longer a luxury; it is a necessity. As noted by the additional accompanying letters of proposal support from Dr. Terry Arbogast (Superintendent, Giles County Public Schools), Ms. Kristie G. Williams (Vice-President, Carilion Giles Community Hospital), Pastor Brian Burch (representing Giles County Ministerial Association), and Dr. Patricia Huber (President, New River Community College), broadband expansion is essential for education, healthcare, and worship, to recognize just a few considerable examples in our community.

It is for these and other reasons that that I appreciate your attention to Giles County's proposal to receive broadband expansion assistance through the Department of Housing and Community Development Virginia Telecommunications Initiative Broadband Project. I look forward to the possibility of working closely with DHCD, local internet service providers, and other local and state stakeholders, as we partner together to achieve our individual and combined goals of accessible broadband within the county and Commonwealth.

With kind regards,



Jason S. Ballard, Esq.
Delegate
12th District

Tamarah Holmes, Ph.D.
Director, Office of Broadband
Department of Housing and Community Development
600 East Main Street, Suite 300
Richmond, VA 23219

8/17/22

RE: Giles County Virginia Telecommunications Initiative broadband project proposal – Letter of Support

Dear Dr. Holmes:

I am writing to seek your support for this proposal. My doctoral dissertation was on the use of technology in Appalachian faith communities. The conclusion was simple, the presence and absence of broadband is statistically measurable. Then the pandemic forced our churches to radically expand the use of the internet. And it only took 5 minutes in our first church Zoom meeting to recognize large swaths of our county are internet deprived. Watching the children of our county attempt to do virtual school with extremely limited internet access was painful and embarrassing. There should be a better solution. Dr. Holmes, I believe you hold the keys towards bringing equality to our region.

So, my fellow pastors and I who make up the Giles County Ministerial Association are united in our heartfelt desire to see this proposal come to life. It is a justice issue in that the poorest members of our community find housing further from town where the current sporadic cable internet is available. Thirty years ago, dial up internet became a reality in the United States. For a large percentage of Giles County, it is still the ONLY source of connecting to the world electronically.

My neighbor's favorite phrase is, "It is no longer my grandfather's world." Broadband was not an option years ago and our grandparents survived. But today it is a need. The ironic part is that even our grandparents want quality internet access. My 88-year-old mother-in-law, who uses a walker and is no longer able to drive, loves Facebook for it allows her to keep track of her grandchildren. She uses the internet to watch worship, connect with her missionaries, and have access to the latest weather and news. The good news is her house is in Atlanta where broadband is a given.

So, the members of our Association say enough is enough. Our rural county that has a total of four traffic lights is treated as second-class because the big broadband companies cannot make enough money to justify fixing this social injustice. In the 1930's the folks of Appalachia received electricity because of aid from organizations like yours. We support this grant proposal for we are convicted that people from all walks of life in our midst would benefit from quality broadband access.

Utterly convinced our God does incredibly more than we ask or imagine,

Brian
Rev. Dr. Brian Burch
Pearisburg First United Methodist Church
Giles County Ministerial Association
PO Box 400
Pearisburg, VA 24134
540-599-3526 (mobile)
540-921-1021 (office)

H. MORGAN GRIFFITH
9TH DISTRICT, VIRGINIA

COMMITTEE ON
ENERGY AND COMMERCE
SUBCOMMITTEES:

OVERSIGHT AND INVESTIGATIONS
REPUBLICAN LEADER

ENERGY

HEALTH

www.morgangriffith.house.gov



Congress of the United States
House of Representatives
Washington, DC 20515-4609

2202 RAYBURN HOUSE OFFICE BUILDING
WASHINGTON, DC 20515
(202) 225-3861 PHONE
(202) 225-0076 FAX

323 WEST MAIN STREET
ARLINGTON, VA 24210
(276) 525-1405 PHONE
(276) 525-1444 FAX

17 WEST MAIN STREET
CHRISTIANSBURG, VA 24073
(540) 381-5671 PHONE
(540) 381-5675 FAX

August 16, 2022

Dr. Tamarah Holmes
Director, DHCD Office of Broadband
Virginia Department of Housing and Community Development
600 East Main Street, Suite 300
Richmond, VA 23219-2430

Dear Dr. Holmes,

I am writing to express my interest in the grant application for the Virginia Telecommunications Initiative (VATI) through the Virginia Department of Housing and Community Development submitted by Giles County, with county government offices located in Pearisburg, Virginia.

In preparing this grant application, Giles County cited many factors contributing to the need for this funding in my congressional district. I ask that you give this application your most thoughtful and serious consideration. If there is any additional information that my office can provide, please contact Josh Hess at my Christiansburg office at (540) 381-5671.

I would very much appreciate it if you would acknowledge receipt of this letter and keep me apprised of your action regarding this application when review is complete. You should respond to Giles County in care of my Christiansburg office at (540) 381-5671 by phone or by mail to 17 W. Main Street, Christiansburg, Virginia 24073.

Thank you for your time and attention to this matter. I look forward to hearing from you. I remain

Sincerely yours,

H. MORGAN GRIFFITH
Member of Congress

NEW RIVER Community College

5251 College Drive, Dublin, Virginia 24084-3660

August 17, 2022

Tamarah Holmes, Ph.D.
Director
Office of Broadband
Department of Housing and Community Development
600 East Main Street, Ste. 300
Richmond, VA 23219

RE: Letter of Support for Virginia Telecommunications Initiative (VATI) Broadband project proposal
for Giles County

Dear Dr. Holmes:

We at New River Community College (NRCC) are excited to pledge our support to the proposed project for deploying broadband services for students in Giles County. Our experience has shown that students without ready access to broadband, even if enrolled in traditional rather than online courses, struggle to keep pace with those who are more fortunate in having online access. We are strongly in favor of the efforts planned for expansion of this key resource.

NRCC has extensive penetration into Giles County, with a long history of serving graduates of Giles and Narrows high schools, students who enroll in dual enrollment classes while still in high school, and others including hundreds of ACCE (Access to Community College Education) students who benefit from a public/private partnership to support their attendance. Without reliable high-speed internet in their homes, their ability to take advantage of these opportunities is either negated or seriously restricted.

As noted by others, reaching communities without broadband speed internet service builds on the findings identified in the Giles County Broadband Assessment. This assessment has helped the county to identify prioritized areas of need for broadband services. As a result, the additional broadband capacity will be applied in an efficient and effective fashion, where it's most needed.

In summary, we strongly support this initiative and will appreciate your consideration of the proposal submitted by Giles County.

Sincerely,



Patricia B. Huber, Ph.D.
President, New River Community College



Town of Rich Creek

P.O. Box 65
Rich Creek, Virginia 24147-0065
(540) 726-3260 Fax (540) 726-3047

Rich Creek, Virginia

Tamarah Holmes, Ph.D.
Director
Office of Broadband
Department of Housing and Community Development
600 East Main Street, Ste. 300
Richmond, VA 23219

8/18/22

Mr. Roger Jones -Mayor
Town of Rich Creek
250 Old Virginia Avenue
Rich Creek, VA 24147

RE: Letter of Support for Virginia Telecommunications Initiative (VATI) Broadband project proposal for
Giles County

Dear Dr. Holmes:

On behalf of the Town of Rich Creek, our businesses and our citizens, I am excited to pledge our support to this Giles County project to deploy broadband services to those who are underserved or have no high-speed internet options. In addition, I strongly support the Virginia Department of Housing and Community Development's (DHCD) goal of achieving universal broadband coverage throughout the Commonwealth of Virginia.

Broadband has become a service as essential as electricity and running water in the world we live in. Those without access to it will face considerable challenges in building and maintaining economic resiliency. This is especially true for our citizens with lower socioeconomic status. It is important to note that within the four census tracts in Giles County, the tract where Rich Creek is located has the lowest median incomes in the county. Without universally available internet access, our students, businesses and community at-large will fall behind in pursuing economic opportunity. The ability to attract new business, and, therefore, jobs will be severely throttled. Opportunities for our emerging workforce will be limited and the "brain drain" of our younger workforce moving outside of our region will continue.

The proposed broadband deployment project, expanding internet access throughout Giles County, addresses these issues by reaching into communities with inadequate or no broadband speed internet service. It builds on the findings identified through the Giles County Broadband Assessment. This assessment has enabled the county to prioritize specific areas in need of broadband services. Armed with this knowledge and determination to realize universal broadband, our citizens will be able to participate in the far-reaching advantages afforded through broadband access.

I respectfully request that DHCD give this Giles County proposal your most serious consideration. A hoped-for positive review will make a world of difference for our current citizens and generations to come.

Sincerely,
Roger Jones, Mayor



TOWN OF PEARISBURG

112 TAZEWELL ST.
PEARISBURG, VIRGINIA 24134

Robert L. Dickerson
Mayor

Council:
Jimmie R. Williams
Kristi Eaton
Cathy Clark
Gary L. Fields, Sr.
Frank Tanner
Amanda Davis

Todd Meredith
Town Manager
tmredith@pearisburg.org

Jackie C. Martin
Chief of Police

Regina H. Harless
Town Clerk

Hope Harrell
Town Treasurer

Allison Long
Librarian

Rodney F. Wilson
Building Official /
Public Works Director

Telephone:
(540) 921-0340

Website:
www.pearisburg.org

August 19, 2022

Tamarah Holmes, Ph.D.
Director
Office of Broadband
Department of Housing and Community Development
600 East Main Street, Ste. 300
Richmond, VA 23219

Mr. Todd Meredith, Town Manager
Town of Pearisburg
112 Tazewell Street
Pearisburg, VA 24134
tmredith@pearisburg.org

RE: Letter of Support for Virginia Telecommunications Initiative (VATI)
Broadband project proposal for Giles County

Dear Dr. Holmes:

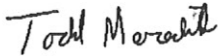
On behalf of the Town of Pearisburg, our businesses, and our citizens, I am excited to pledge our support to this project to deploy broadband services to those who are underserved or have no high-speed internet options. In addition, I strongly support the Virginia Department of Housing and Community Development's (DHCD) goal of achieving universal broadband coverage throughout the Commonwealth of Virginia.

Broadband has become a service as essential as electricity and running water in the world we live in. Those without access to it will face considerable challenges in maintaining and building economic resiliency. This is especially true for those with lower socioeconomic status. Without universally available internet access, our students, businesses, and community at-large will fall behind in pursuing economic opportunity. The ability to attract new industry, and, therefore, jobs will be severely throttled. Opportunities for our emerging workforce will be limited and the "brain drain" of our younger workforce moving outside of our region will continue.

The proposed broadband deployment project to expand internet access in Giles County addresses these issues by reaching into communities without broadband speed internet service. It builds on the findings identified through the Giles County Broadband Assessment. This assessment has enabled the county to prioritize specific areas in need of broadband services. Armed with this knowledge and determination to realize universal broadband, our citizens will be able to participate in the far-reaching advantages afforded through broadband access.

I respectfully request that DHCD give this Giles County proposal your most thorough consideration. A positive review will make a world of difference for our current citizens and generations to come.

Sincerely,

A handwritten signature in black ink that reads "Todd Meredith". The signature is written in a cursive, slightly slanted style.

Todd Meredith
Pearisburg Town Manager



Town Manager
Town of Narrows
PO Box 440 – 210 Main Street
Narrows, VA 24124

Tamarah Holmes, Ph.D.
Director, Office of Broadband
Department of Housing and Community Development
600 East Main Street, Ste. 300
Richmond, VA 23219

8/22/22

RE: Letter of Support for Virginia Telecommunications Initiative (VATI) Broadband project proposal for Giles County

Dear Dr. Holmes:

On behalf of the Town of Narrows, our businesses and our citizens, I extend our support of the project to deploy broadband services to those who are underserved or have no high-speed internet options in Giles County. In addition, I strongly support the Virginia Department of Housing and Community Development's (DHCD) goal of achieving universal broadband coverage throughout the Commonwealth of Virginia.

Broadband has become a service as essential as electricity and running water in the world we live in. Those without access to it will face considerable challenges in maintaining and building economic resiliency. This is especially true for those with lower socioeconomic status. Without universally available internet access, our students, businesses and community at-large will fall behind in pursuing economic opportunity. The ability to attract new business, and, therefore, jobs will be severely throttled. Opportunities for our emerging workforce will be limited and the "brain drain" of our younger workforce moving outside of our region will continue.

The proposed broadband deployment project to expand internet access in Giles County addresses these issues by reaching into communities without broadband speed internet service. It builds on the findings identified through the Giles County Broadband Assessment. This assessment has enabled the county to prioritize specific areas in need of broadband services. Armed with this knowledge and determination to realize universal broadband, our citizens will be able to participate in the far-reaching advantages afforded through broadband access.

I respectfully request that DHCD give this Giles County proposal your most serious consideration. A positive review will make a world of difference for our current citizens and generations to come.

Sincerely,

Terry Nicholson

Narrows Town Manager

tnicholson@townofnarrows.org

540-358-8009

Post Office Box 5
Pembroke, VA 24136



Phone: 540-626-7191
Fax: 540-626-5523

Tamarah Holmes, Ph.D.
Director
Office of Broadband
Department of Housing and Community Development
600 East Main Street, Ste. 300
Richmond, VA 23219

8/17/22

Mr. James D. "Dusty" Stump-Mayor
Town of Pembroke
500 Snidow Street
Pembroke, VA 24136

RE: Letter of Support for Virginia Telecommunications Initiative (VATI) Broadband project proposal
for Giles County

Dear Dr. Holmes:

On behalf of the Town of Pembroke, our businesses and our citizens, I am excited to pledge our support to this project to deploy broadband services to those who are underserved or have no high-speed internet options. In addition, I strongly support the Virginia Department of Housing and Community Development's (DHCD) goal of achieving universal broadband coverage throughout the Commonwealth of Virginia.

Broadband has become a service as essential as electricity and running water in the world we live in. Those without access to it will face considerable challenges in maintaining and building economic resiliency. This is especially true for our citizens with lower socioeconomic status. Without universally available internet access, our students, businesses and community at-large will fall behind in pursuing economic opportunity. The ability to attract new business, and, therefore, jobs will be severely throttled. Opportunities for our emerging workforce will be limited and the "brain drain" of our younger workforce moving outside of our region will continue.

The proposed broadband deployment project to expand internet access throughout Giles County addresses these issues by reaching into communities without broadband speed internet service. It builds on the findings identified through the Giles County Broadband Assessment. This assessment has enabled the county to prioritize specific areas in need of broadband services. Armed with this knowledge and determination to realize universal broadband, our citizens will be able to participate in the far-reaching advantages afforded through broadband access.

Post Office Box 5
Pembroke, VA 24136



Phone: 540-626-7191
Fax: 540-626-5523

I respectfully request that DHCD give this Giles County proposal your most serious consideration. A hoped-for positive review will make a world of difference for our current citizens and generations to come.

Sincerely,

A handwritten signature in black ink that reads "James O. Stump". The signature is written in a cursive, flowing style.

James Stump
Mayor

c



Tamarah Holmes, Ph.D.
Director, Office of Broadband
Department of Housing and Community Development
600 East Main Street, Suite 300
Richmond, VA 23219

8/15/22

Ms. Kristie Williams, Vice-President
Carilion Giles and Tazewell Community Hospitals
159 Hartley Way
Pearisburg, VA 24134

RE: Giles County Virginia Telecommunications Initiative broadband project proposal – Letter of Support

Dear Dr. Holmes:

Today, in the world of health, access to reliable broadband is essential to the provision of quality, efficient, patient care.

Broadband has far-reaching applications for a hospital in the areas of consumer health, clinical care, financial and administrative transactions, public health, health professional education, and biomedical research.


In clinical settings, the Internet enables care providers to gain rapid access to information that can aid in the diagnosis of health conditions and/or the development of suitable treatment plans. It can make patient records, test results, and practice guidelines accessible from the examination room. It can also allow care providers to consult with each other electronically to discuss treatment plans or operative procedures.

Each 3-years, Carilion Clinics conducts a comprehensive Community Health Needs Assessment. This assessment looks at, not only, direct health care provision, but also the Social Determinants of Health (SDH). Lack of transportation is consistently identified as one of these SDH issues most prevalent. The same individuals who have transportation issues are usually the same individuals who have little or no access to broadband. Not only does this lack of transportation directly impact their ability to utilize in-person health care, lack of broadband access eliminates their ability to utilize virtual provider visits.

In closing, the ability of our poorest citizens to have reliable broadband access will have significant impact upon all aspects of their health and, therefore, the community-at-large.

We respectfully request this proposal for Giles County Broadband be given your most serious consideration.

Thank you;


Kristie Williams, Vice-President
Carilion Giles Community Hospital

Form 477 Filing Summary

FRN:

0002061653

Data as of:

Jun 30, 2022

Operations:

ILEC

Submission Status:

Original - Submitted

Last Updated:

Aug 11, 2022 11:18 AM

Filer Identification

Section	Field	Response
Filer Information	Company Name	Pembroke Telephone Cooperative
	Holding Company Name	Pembroke Telephone Cooperative
	Filing Type	ILEC
	SAC ID	190243
	499 ID	809804
Data Contact Information	Data Contact Name	Sherri Davidson
	Data Contact Phone Number	(540) 626-7111
	Data Contact E-mail	sherridavidson@pemtel.net
Emergency Operations Contact Information	Emergency Operations Name	Michael J Dudding
	Emergency Operations Phone Number	(540) 626-7111
	Emergency Operations E-mail	mjdudding@pemtel.net
Certifying Official Contact Information	Certifying Official Name	Leon A Law
	Certifying Official Phone Number	(540) 626-7111
	Certifying Official E-mail	lalaw@pemtel.net

Data Submitted

Form Section	File Name	Date & Time	Number of Rows
--------------	-----------	-------------	----------------

Form Section	File Name	Date & Time	Number of Rows
Fixed Broadband Deployment	FBD_Pembroke_Tel_1H_2022-ILEC_Uploadv2.csv	Aug 11, 2022 09:46 AM	526
Fixed Broadband Subscription	FBS_Pembroke_Tel_1H_2022-ILEC_Uploadv2.csv	Aug 11, 2022 10:22 AM	53
Fixed Voice Subscription	VGE_Pembroke_Tel_1H_2022-ILEC_Upload.csv	Aug 11, 2022 10:39 AM	4

Fixed Broadband Deployment

Census Block Counts by State, DBA Name and Technology

State	DBA Name	Technology	Blocks
Virginia	Pembroke Telephone	Asymmetric xDSL	216
		Optical Carrier/Fiber to the End User	20
		Symmetric xDSL	143
		VDSL	147
Total			526

Fixed Broadband Subscription

Fixed Broadband Subscriptions by State, Technology and End User Type

State	Technology	Census Tracts	Subscriptions		
			Consumer	Business/Govt.	Total
Virginia	Asymmetric xDSL	46	1,349	90	1,439
	Optical Carrier/Fiber to the End User	2	1	5	6
	Symmetric xDSL	5	1	7	8
Total		53	1,351	102	1,453

Fixed Broadband Subscriptions by Bandwidths and End User Type

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business/Govt.	Total
0.750	0.250	22	3	25
1.500	0.256	1	0	1

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business/Govt.	Total
3.000	0.500	42	1	43
3.000	0.512	4	0	4
3.000	3.000	0	1	1
4.000	1.000	73	0	73
5.000	1.000	5	0	5
6.000	1.000	616	48	664
6.000	2.000	0	1	1
8.000	1.000	81	1	82
10.000	1.000	85	3	88
10.000	10.000	1	5	6
12.000	1.000	57	2	59
14.000	1.000	20	1	21
15.000	1.000	108	9	117
15.000	5.000	1	0	1
20.000	1.000	2	1	3
20.000	5.000	1	0	1
20.000	10.000	1	2	3
25.000	3.000	223	15	238
25.000	25.000	0	2	2
30.000	15.000	4	0	4
40.000	5.000	1	0	1
100.000	50.000	3	6	9
200.000	200.000	0	1	1
Total		1,351	102	1,453

Fixed Broadband Subscriptions by Technology, Bandwidths and End User Type

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business/Govt.	Total
Asymmetric xDSL	0.750	0.250	22	3	25

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business/Govt.	Total
	1.500	0.256	1	0	1
	3.000	0.500	42	1	43
	3.000	0.512	4	0	4
	4.000	1.000	73	0	73
	5.000	1.000	5	0	5
	6.000	1.000	616	48	664
	6.000	2.000	0	1	1
	8.000	1.000	81	1	82
	10.000	1.000	85	3	88
	12.000	1.000	57	2	59
	14.000	1.000	20	1	21
	15.000	1.000	108	9	117
	15.000	5.000	1	0	1
	20.000	1.000	2	1	3
	20.000	5.000	1	0	1
	20.000	10.000	1	2	3
	25.000	3.000	223	15	238
	25.000	25.000	0	2	2
	30.000	15.000	4	0	4
	40.000	5.000	1	0	1
Optical Carrier/Fiber to the End User	100.000	50.000	2	1	3
	100.000	50.000	1	5	6
Symmetric xDSL	3.000	3.000	0	1	1
	10.000	10.000	1	5	6
	200.000	200.000	0	1	1
Total			1,351	102	1,453

Fixed Voice Subscription

VGE Lines and VoIP Subscriptions by State and End User Type

State	Total VGE Lines	Consumer VGE Lines	Total VoIP Subscriptions	Consumer VoIP Subscriptions
Virginia	1,628	1,264	0	0
Total	1,628	1,264	0	0

Fixed Voice Subscription (VGE Lines)

VGE Lines Provided to Unaffiliated Providers by State

State	Wholesale	UNE-L
Virginia	0	0
Total	0	0

VGE Lines Provided to End Users by State, Bundle and Product Type

State	Total	by Bundle		by Product Type			
		Sold w/ Internet	Sold w/o Internet	Consumer		Business/Govt.	
				& No PIC	& PIC	& No PIC	& PIC
Virginia	1,628	1,044	584	246	1,018	186	178
Total	1,628	1,044	584	246	1,018	186	178

VGE Lines Provided to End Users by State, Ownership and Last-Mile Medium

State	Total	by Ownership				by Last-Mile Medium		
		Owned	UNE-L	Resale	FTTP	Coax	Fixed Wireless	Copper
Virginia	1,628	1,628	0	0	0	0	0	1,628
Total	1,628	1,628	0	0	0	0	0	1,628

Reminder: Use 2010 Census geographies for data as of June 30, 2021 and before. Use 2020 Census geographies for data as of December 31, 2021 and after.

510450501001056	Pembroke Telephone	10	1	6	1	1
510450501001057	Pembroke Telephone	10	1	6	1	1
510450501001058	Pembroke Telephone	10	1	15	1	1
510450501001058	Pembroke Telephone	12	1	25	3	1
510450501001058	Pembroke Telephone	20	1	3	3	1
510450501001061	Pembroke Telephone	10	1	4	1	1
510450501001088	Pembroke Telephone	10	1	15	1	1
510450501001088	Pembroke Telephone	12	1	25	3	1
510450501001088	Pembroke Telephone	20	1	3	3	1
510450501001089	Pembroke Telephone	10	1	15	1	1
510450501001089	Pembroke Telephone	12	1	25	3	1
510450501001089	Pembroke Telephone	20	1	3	3	1
510450501001090	Pembroke Telephone	10	1	15	1	1
510450501001090	Pembroke Telephone	12	1	25	3	1
510450501001090	Pembroke Telephone	20	1	3	3	1
510450501001091	Pembroke Telephone	10	1	15	1	1
510450501001091	Pembroke Telephone	12	1	25	3	1
510450501001091	Pembroke Telephone	20	1	3	3	1
510450501001092	Pembroke Telephone	10	1	15	1	1
510450501001092	Pembroke Telephone	12	1	25	3	1
510450501001092	Pembroke Telephone	20	1	3	3	1
510450501001095	Pembroke Telephone	10	1	8	1	1
510450501001100	Pembroke Telephone	10	1	15	1	1
510450501001101	Pembroke Telephone	10	1	15	1	1
510450501001101	Pembroke Telephone	12	1	25	3	1
510450501001101	Pembroke Telephone	20	1	3	3	1
510450501001102	Pembroke Telephone	10	1	15	1	1
510450501001102	Pembroke Telephone	12	1	25	3	1
510450501001102	Pembroke Telephone	20	1	3	3	1
510450501001102	Pembroke Telephone	50	1	100	50	1
510450501001104	Pembroke Telephone	10	1	15	1	1
510450501001104	Pembroke Telephone	12	1	25	3	1
510450501001104	Pembroke Telephone	20	1	10	10	1
510450501001105	Pembroke Telephone	10	1	15	1	1
510450501001106	Pembroke Telephone	10	1	15	1	1
510450501001106	Pembroke Telephone	12	1	25	3	1
510450501001106	Pembroke Telephone	20	1	3	3	1
510450501001107	Pembroke Telephone	10	1	15	1	1
510450501001108	Pembroke Telephone	10	1	15	1	1
510450501001108	Pembroke Telephone	12	1	25	3	1
510450501001108	Pembroke Telephone	20	1	3	3	1
510450501001109	Pembroke Telephone	10	1	15	1	1
510450501001109	Pembroke Telephone	12	1	25	3	1
510450501001109	Pembroke Telephone	20	1	25	25	1

510450501001109	Pembroke Telephone	50	1	100	50	1
510450501001110	Pembroke Telephone	10	1	8	1	1
510450501001111	Pembroke Telephone	10	1	15	1	1
510450501001111	Pembroke Telephone	12	1	25	3	1
510450501001111	Pembroke Telephone	20	1	3	3	1
510450501001112	Pembroke Telephone	10	1	15	1	1
510450501001113	Pembroke Telephone	10	1	8	1	1
510450501001114	Pembroke Telephone	10	1	15	1	1
510450501001114	Pembroke Telephone	12	1	25	3	1
510450501001114	Pembroke Telephone	20	1	3	3	1
510450501001115	Pembroke Telephone	10	1	6	1	1
510450501002072	Pembroke Telephone	10	1	15	1	1
510450501002072	Pembroke Telephone	12	1	25	3	1
510450501002072	Pembroke Telephone	20	1	3	3	1
510450501002073	Pembroke Telephone	10	1	15	1	1
510450501002074	Pembroke Telephone	10	1	6	1	1
510450501002075	Pembroke Telephone	10	1	6	1	1
510450501002076	Pembroke Telephone	10	1	6	1	1
510450501002077	Pembroke Telephone	10	1	15	1	1
510450501002077	Pembroke Telephone	12	1	25	3	1
510450501002077	Pembroke Telephone	20	1	3	3	1
510450501002078	Pembroke Telephone	10	1	6	1	1
510450501002079	Pembroke Telephone	10	1	15	1	1
510450501002079	Pembroke Telephone	12	1	25	3	1
510450501002079	Pembroke Telephone	20	1	3	3	1
510450501002080	Pembroke Telephone	10	1	15	1	1
510450501002080	Pembroke Telephone	12	1	30	15	1
510450501002080	Pembroke Telephone	20	1	25	25	1
510450501002080	Pembroke Telephone	50	1	100	50	1
510450501002082	Pembroke Telephone	10	1	15	1	1
510450501002082	Pembroke Telephone	12	1	30	15	1
510450501002082	Pembroke Telephone	20	1	10	10	1
510450501002084	Pembroke Telephone	10	1	15	1	1
510450501002084	Pembroke Telephone	12	1	25	3	1
510450501002084	Pembroke Telephone	20	1	3	3	1
510450501002095	Pembroke Telephone	10	1	15	1	1
510450501002097	Pembroke Telephone	10	1	4	1	1
510719301001000	Pembroke Telephone	10	1	15	1	1
510719301001000	Pembroke Telephone	12	1	25	3	1
510719301001000	Pembroke Telephone	20	1	3	3	1
510719301001001	Pembroke Telephone	10	1	15	1	1
510719301001001	Pembroke Telephone	12	1	25	3	1
510719301001001	Pembroke Telephone	20	1	3	3	1
510719301001002	Pembroke Telephone	10	1	15	1	1
510719301001002	Pembroke Telephone	12	1	25	3	1
510719301001002	Pembroke Telephone	50	1	500	500	1
510719301001004	Pembroke Telephone	10	1	15	1	1

510719301001004	Pembroke Telephone	12	1	25	3	1
510719301001004	Pembroke Telephone	20	1	3	3	1
510719301001006	Pembroke Telephone	10	1	4	1	1
510719301001006	Pembroke Telephone	20	1	3	3	1
510719301001007	Pembroke Telephone	10	1	15	1	1
510719301001007	Pembroke Telephone	12	1	25	1	1
510719301001007	Pembroke Telephone	20	1	3	3	1
510719301001008	Pembroke Telephone	10	1	15	1	1
510719301001008	Pembroke Telephone	12	1	25	3	1
510719301001008	Pembroke Telephone	20	1	3	3	1
510719301001009	Pembroke Telephone	10	1	15	1	1
510719301001009	Pembroke Telephone	12	1	25	3	1
510719301001009	Pembroke Telephone	50	1	500	500	1
510719301001010	Pembroke Telephone	10	1	4	1	1
510719301001011	Pembroke Telephone	10	1	15	1	1
510719301001011	Pembroke Telephone	12	1	25	3	1
510719301001011	Pembroke Telephone	20	1	3	3	1
510719301001012	Pembroke Telephone	10	1	15	1	1
510719301001012	Pembroke Telephone	12	1	25	3	1
510719301001012	Pembroke Telephone	20	1	3	3	1
510719301001013	Pembroke Telephone	10	1	4	1	1
510719301001014	Pembroke Telephone	10	1	15	1	1
510719301001014	Pembroke Telephone	12	1	25	3	1
510719301001014	Pembroke Telephone	20	1	3	3	1
510719301001015	Pembroke Telephone	10	1	15	1	1
510719301001015	Pembroke Telephone	12	1	25	3	1
510719301001015	Pembroke Telephone	20	1	3	3	1
510719301001016	Pembroke Telephone	10	1	15	1	1
510719301001016	Pembroke Telephone	12	1	25	3	1
510719301001016	Pembroke Telephone	20	1	3	3	1
510719301001017	Pembroke Telephone	10	1	15	1	1
510719301001017	Pembroke Telephone	12	1	25	3	1
510719301001017	Pembroke Telephone	20	1	3	3	1
510719301001018	Pembroke Telephone	10	1	15	1	1
510719301001018	Pembroke Telephone	12	1	25	3	1
510719301001018	Pembroke Telephone	20	1	3	3	1
510719301001019	Pembroke Telephone	10	1	15	1	1
510719301001019	Pembroke Telephone	12	1	25	3	1
510719301001019	Pembroke Telephone	20	1	10	10	1
510719301001022	Pembroke Telephone	10	1	15	1	1
510719301001022	Pembroke Telephone	12	1	25	3	1
510719301001022	Pembroke Telephone	20	1	3	3	1
510719301001024	Pembroke Telephone	10	1	15	1	1
510719301001024	Pembroke Telephone	12	1	25	3	1
510719301001024	Pembroke Telephone	20	1	3	3	1
510719301001025	Pembroke Telephone	10	1	15	1	1
510719301001025	Pembroke Telephone	12	1	25	3	1

510719301001025	Pembroke Telephone	20	1	3	3	1
510719301001026	Pembroke Telephone	10	1	15	1	1
510719301001026	Pembroke Telephone	12	1	25	3	1
510719301001026	Pembroke Telephone	20	1	3	3	1
510719301001028	Pembroke Telephone	10	1	15	1	1
510719301001028	Pembroke Telephone	12	1	25	5	1
510719301001028	Pembroke Telephone	50	1	500	500	1
510719301001029	Pembroke Telephone	10	1	15	1	1
510719301001031	Pembroke Telephone	10	1	15	1	1
510719301001031	Pembroke Telephone	12	1	25	3	1
510719301001031	Pembroke Telephone	20	1	3	3	1
510719301001032	Pembroke Telephone	10	1	15	1	1
510719301001032	Pembroke Telephone	12	1	25	3	1
510719301001032	Pembroke Telephone	20	1	3	3	1
510719301001033	Pembroke Telephone	10	1	15	1	1
510719301001033	Pembroke Telephone	12	1	25	3	1
510719301001033	Pembroke Telephone	20	1	3	3	1
510719301001034	Pembroke Telephone	10	1	15	1	1
510719301001034	Pembroke Telephone	12	1	25	3	1
510719301001034	Pembroke Telephone	20	1	3	3	1
510719301001038	Pembroke Telephone	10	1	15	1	1
510719301001039	Pembroke Telephone	10	1	15	1	1
510719301001039	Pembroke Telephone	12	1	25	3	1
510719301001039	Pembroke Telephone	20	1	3	3	1
510719301001043	Pembroke Telephone	10	1	15	1	1
510719301001043	Pembroke Telephone	12	1	25	3	1
510719301001043	Pembroke Telephone	20	1	3	3	1
510719301001044	Pembroke Telephone	10	1	15	1	1
510719301001044	Pembroke Telephone	12	1	25	3	1
510719301001044	Pembroke Telephone	50	1	500	500	1
510719301001047	Pembroke Telephone	10	1	15	1	1
510719301001047	Pembroke Telephone	12	1	25	3	1
510719301001047	Pembroke Telephone	20	1	3	3	1
510719301001048	Pembroke Telephone	10	1	15	1	1
510719301001048	Pembroke Telephone	12	1	25	3	1
510719301001048	Pembroke Telephone	20	1	3	3	1
510719301001049	Pembroke Telephone	10	1	15	1	1
510719301001049	Pembroke Telephone	12	1	25	3	1
510719301001049	Pembroke Telephone	20	1	3	3	1
510719301001054	Pembroke Telephone	10	1	15	1	1
510719301001054	Pembroke Telephone	12	1	25	3	1
510719301001054	Pembroke Telephone	20	1	3	3	1
510719301001055	Pembroke Telephone	10	1	15	1	1
510719301001055	Pembroke Telephone	12	1	25	3	1
510719301001055	Pembroke Telephone	20	1	3	3	1
510719301001056	Pembroke Telephone	10	1	15	1	1
510719301001056	Pembroke Telephone	12	1	25	3	1

510719301001056	Pembroke Telephone	20	1	3	3	1
510719301001060	Pembroke Telephone	10	1	15	1	1
510719301001060	Pembroke Telephone	12	1	25	3	1
510719301001060	Pembroke Telephone	50	1	500	500	1
510719301001061	Pembroke Telephone	10	1	15	1	1
510719301001061	Pembroke Telephone	12	1	25	3	1
510719301001061	Pembroke Telephone	20	1	3	3	1
510719301001062	Pembroke Telephone	10	1	15	1	1
510719301001062	Pembroke Telephone	12	1	25	3	1
510719301001062	Pembroke Telephone	20	1	3	3	1
510719301001063	Pembroke Telephone	10	1	15	1	1
510719301001063	Pembroke Telephone	12	1	25	3	1
510719301001063	Pembroke Telephone	20	1	10	10	1
510719301001064	Pembroke Telephone	10	1	15	1	1
510719301001064	Pembroke Telephone	12	1	25	3	1
510719301001064	Pembroke Telephone	20	1	3	3	1
510719301001065	Pembroke Telephone	10	1	15	1	1
510719301001065	Pembroke Telephone	12	1	25	3	1
510719301001065	Pembroke Telephone	20	1	3	3	1
510719301001070	Pembroke Telephone	10	1	15	1	1
510719301001070	Pembroke Telephone	12	1	25	5	1
510719301001070	Pembroke Telephone	20	1	3	3	1
510719301001071	Pembroke Telephone	10	1	12	1	1
510719301001071	Pembroke Telephone	12	1	25	3	1
510719301001071	Pembroke Telephone	20	1	3	3	1
510719301001075	Pembroke Telephone	10	1	15	1	1
510719301001076	Pembroke Telephone	10	1	15	1	1
510719301002002	Pembroke Telephone	10	1	15	1	1
510719301002002	Pembroke Telephone	12	1	25	3	1
510719301002002	Pembroke Telephone	20	1	25	25	1
510719301002002	Pembroke Telephone	50	1	500	500	1
510719301002004	Pembroke Telephone	10	1	15	1	1
510719301002004	Pembroke Telephone	12	1	25	3	1
510719301002004	Pembroke Telephone	20	1	3	3	1
510719301002005	Pembroke Telephone	10	1	12	1	1
510719301002006	Pembroke Telephone	10	1	15	1	1
510719301002006	Pembroke Telephone	12	1	25	3	1
510719301002006	Pembroke Telephone	20	1	3	3	1
510719301002007	Pembroke Telephone	10	1	15	1	1
510719301002007	Pembroke Telephone	12	1	25	3	1
510719301002007	Pembroke Telephone	20	1	3	3	1
510719301002010	Pembroke Telephone	10	1	15	1	1
510719301002010	Pembroke Telephone	12	1	25	3	1
510719301002010	Pembroke Telephone	20	1	25	25	1
510719301002010	Pembroke Telephone	50	1	500	500	1
510719301002011	Pembroke Telephone	10	1	15	1	1
510719301002011	Pembroke Telephone	12	1	25	3	1

510719301002011	Pembroke Telephone	20	1	25	25	1
510719301002011	Pembroke Telephone	50	1	500	500	1
510719301002013	Pembroke Telephone	10	1	15	1	1
510719301002013	Pembroke Telephone	12	1	25	3	1
510719301002013	Pembroke Telephone	20	1	25	25	1
510719301002013	Pembroke Telephone	50	1	500	500	1
510719301002015	Pembroke Telephone	10	1	15	1	1
510719301002015	Pembroke Telephone	12	1	25	3	1
510719301002015	Pembroke Telephone	20	1	3	3	1
510719301002020	Pembroke Telephone	10	1	15	1	1
510719301002025	Pembroke Telephone	10	1	15	1	1
510719301002025	Pembroke Telephone	12	1	25	3	1
510719301002025	Pembroke Telephone	20	1	3	3	1
510719301002026	Pembroke Telephone	10	1	15	1	1
510719301002026	Pembroke Telephone	12	1	25	3	1
510719301002026	Pembroke Telephone	20	1	3	3	1
510719301002029	Pembroke Telephone	10	1	4	1	1
510719301002030	Pembroke Telephone	10	1	15	1	1
510719301002030	Pembroke Telephone	12	1	25	3	1
510719301002030	Pembroke Telephone	20	1	3	3	1
510719301002035	Pembroke Telephone	10	1	15	1	1
510719301002035	Pembroke Telephone	12	1	25	3	1
510719301002035	Pembroke Telephone	20	1	3	3	1
510719302001005	Pembroke Telephone	10	1	8	1	1
510719302001009	Pembroke Telephone	10	1	15	1	1
510719302001011	Pembroke Telephone	10	1	15	1	1
510719302001012	Pembroke Telephone	10	1	15	1	1
510719302001012	Pembroke Telephone	12	1	25	3	1
510719302001012	Pembroke Telephone	20	1	3	3	1
510719302001013	Pembroke Telephone	10	1	4	1	1
510719302001014	Pembroke Telephone	10	1	15	1	1
510719302001014	Pembroke Telephone	12	1	25	3	1
510719302001014	Pembroke Telephone	20	1	3	3	1
510719302001015	Pembroke Telephone	10	1	15	1	1
510719302001015	Pembroke Telephone	12	1	25	3	1
510719302001015	Pembroke Telephone	20	1	3	3	1
510719302001016	Pembroke Telephone	10	1	15	1	1
510719302001016	Pembroke Telephone	12	1	25	3	1
510719302001016	Pembroke Telephone	20	1	25	25	1
510719302001016	Pembroke Telephone	50	1	500	500	1
510719302001017	Pembroke Telephone	10	1	15	1	1
510719302001017	Pembroke Telephone	12	1	25	3	1
510719302001017	Pembroke Telephone	20	1	3	3	1
510719302001023	Pembroke Telephone	10	1	15	1	1
510719302001023	Pembroke Telephone	12	1	25	3	1
510719302001023	Pembroke Telephone	20	1	3	3	1
510719302001024	Pembroke Telephone	10	1	4	1	1

510719302001025	Pembroke Telephone	10	1	15	1	1
510719302001025	Pembroke Telephone	12	1	25	3	1
510719302001025	Pembroke Telephone	20	1	25	25	1
510719302001025	Pembroke Telephone	50	1	500	500	1
510719302001026	Pembroke Telephone	10	1	6	1	1
510719302001032	Pembroke Telephone	10	1	15	1	1
510719302001032	Pembroke Telephone	12	1	25	3	1
510719302001032	Pembroke Telephone	20	1	3	3	1
510719302001035	Pembroke Telephone	10	1	4	1	1
510719302002001	Pembroke Telephone	10	1	15	1	1
510719302002001	Pembroke Telephone	12	1	25	3	1
510719302002001	Pembroke Telephone	20	1	3	3	1
510719302002003	Pembroke Telephone	10	1	15	1	1
510719302002004	Pembroke Telephone	10	1	15	1	1
510719302002004	Pembroke Telephone	12	1	25	3	1
510719302002004	Pembroke Telephone	20	1	3	3	1
510719302002005	Pembroke Telephone	10	1	15	1	1
510719302002005	Pembroke Telephone	12	1	25	3	1
510719302002005	Pembroke Telephone	20	1	3	3	1
510719302002006	Pembroke Telephone	10	1	15	1	1
510719302002006	Pembroke Telephone	12	1	25	3	1
510719302002006	Pembroke Telephone	20	1	3	3	1
510719302002007	Pembroke Telephone	10	1	15	1	1
510719302002007	Pembroke Telephone	12	1	25	3	1
510719302002007	Pembroke Telephone	20	1	3	3	1
510719302002008	Pembroke Telephone	10	1	15	1	1
510719302002008	Pembroke Telephone	12	1	25	3	1
510719302002008	Pembroke Telephone	20	1	3	3	1
510719302002010	Pembroke Telephone	10	1	15	1	1
510719302002010	Pembroke Telephone	12	1	25	3	1
510719302002010	Pembroke Telephone	20	1	3	3	1
510719302002012	Pembroke Telephone	10	1	15	1	1
510719302002013	Pembroke Telephone	10	1	15	1	1
510719302002014	Pembroke Telephone	10	1	6	1	1
510719302002016	Pembroke Telephone	10	1	6	1	1
510719302002024	Pembroke Telephone	10	1	15	1	1
510719302002026	Pembroke Telephone	10	1	15	1	1
510719302002026	Pembroke Telephone	12	1	25	3	1
510719302002026	Pembroke Telephone	20	1	25	25	1
510719302002028	Pembroke Telephone	10	1	15	1	1
510719302002028	Pembroke Telephone	12	1	25	3	1
510719302002028	Pembroke Telephone	20	1	3	3	1
510719302002029	Pembroke Telephone	10	1	15	1	1
510719302002029	Pembroke Telephone	12	1	25	3	1
510719302002029	Pembroke Telephone	20	1	3	3	1
510719302002030	Pembroke Telephone	10	1	15	1	1
510719302002030	Pembroke Telephone	12	1	25	3	1

510719302002030	Pembroke Telephone	20	1	3	3	1
510719302002031	Pembroke Telephone	10	1	15	1	1
510719302002031	Pembroke Telephone	12	1	25	3	1
510719302002031	Pembroke Telephone	20	1	3	3	1
510719302002032	Pembroke Telephone	10	1	15	1	1
510719302002032	Pembroke Telephone	12	1	25	3	1
510719302002032	Pembroke Telephone	20	1	3	3	1
510719302002033	Pembroke Telephone	10	1	15	1	1
510719302002033	Pembroke Telephone	12	1	25	3	1
510719302002033	Pembroke Telephone	20	1	3	3	1
510719302002034	Pembroke Telephone	10	1	15	1	1
510719302002034	Pembroke Telephone	12	1	25	10	1
510719302002034	Pembroke Telephone	20	1	10	10	1
510719302002035	Pembroke Telephone	10	1	15	1	1
510719302002035	Pembroke Telephone	12	1	25	3	1
510719302002035	Pembroke Telephone	20	1	3	3	1
510719302002036	Pembroke Telephone	10	1	15	1	1
510719302002036	Pembroke Telephone	12	1	25	3	1
510719302002036	Pembroke Telephone	20	1	3	3	1
510719302002037	Pembroke Telephone	10	1	4	1	1
510719302002040	Pembroke Telephone	10	1	15	1	1
510719302002041	Pembroke Telephone	10	1	4	1	1
510719302002045	Pembroke Telephone	10	1	15	1	1
510719302002045	Pembroke Telephone	12	1	25	3	1
510719302002045	Pembroke Telephone	20	1	3	3	1
510719302002046	Pembroke Telephone	10	1	15	1	1
510719302002047	Pembroke Telephone	10	1	15	1	1
510719302002047	Pembroke Telephone	12	1	25	3	1
510719302002047	Pembroke Telephone	20	1	3	3	1
510719302002048	Pembroke Telephone	10	1	15	1	1
510719302002048	Pembroke Telephone	12	1	25	3	1
510719302002048	Pembroke Telephone	20	1	3	3	1
510719302002052	Pembroke Telephone	10	1	15	1	1
510719302002052	Pembroke Telephone	12	1	25	3	1
510719302002052	Pembroke Telephone	20	1	3	3	1
510719302002053	Pembroke Telephone	10	1	4	1	1
510719302002054	Pembroke Telephone	10	1	15	1	1
510719302002054	Pembroke Telephone	12	1	25	3	1
510719302002054	Pembroke Telephone	20	1	3	3	1
510719302002055	Pembroke Telephone	10	1	15	1	1
510719302002055	Pembroke Telephone	12	1	25	3	1
510719302002055	Pembroke Telephone	20	1	3	3	1
510719302003001	Pembroke Telephone	10	1	15	1	1
510719302003001	Pembroke Telephone	12	1	25	3	1
510719302003001	Pembroke Telephone	20	1	3	3	1
510719302003003	Pembroke Telephone	10	1	14	1	1
510719302003004	Pembroke Telephone	10	1	15	1	1

510719302003004	Pembroke Telephone	12	1	25	3	1
510719302003004	Pembroke Telephone	20	1	3	3	1
510719302003005	Pembroke Telephone	10	1	10	1	1
510719302003006	Pembroke Telephone	10	1	15	1	1
510719302003006	Pembroke Telephone	12	1	25	3	1
510719302003006	Pembroke Telephone	20	1	3	3	1
510719302003008	Pembroke Telephone	10	1	15	1	1
510719302003008	Pembroke Telephone	12	1	25	3	1
510719302003008	Pembroke Telephone	20	1	25	25	1
510719302003008	Pembroke Telephone	50	1	500	500	1
510719302003009	Pembroke Telephone	10	1	15	1	1
510719302003009	Pembroke Telephone	12	1	25	3	1
510719302003009	Pembroke Telephone	20	1	3	3	1
510719302003011	Pembroke Telephone	10	1	15	1	1
510719302003011	Pembroke Telephone	12	1	25	3	1
510719302003011	Pembroke Telephone	20	1	3	3	1
510719302003016	Pembroke Telephone	10	1	4	1	1
510719302003017	Pembroke Telephone	10	1	15	1	1
510719302003017	Pembroke Telephone	12	1	25	3	1
510719302003017	Pembroke Telephone	20	1	3	3	1
510719302003018	Pembroke Telephone	10	1	6	1	1
510719302003022	Pembroke Telephone	10	1	15	1	1
510719302003025	Pembroke Telephone	10	1	4	1	1
510719302003026	Pembroke Telephone	10	1	8	1	1
510719302003028	Pembroke Telephone	10	1	15	1	1
510719302003028	Pembroke Telephone	12	1	25	3	1
510719302003028	Pembroke Telephone	20	1	3	3	1
510719302003029	Pembroke Telephone	10	1	15	1	1
510719302003029	Pembroke Telephone	12	1	25	3	1
510719302003029	Pembroke Telephone	20	1	3	3	1
510719302003030	Pembroke Telephone	10	1	15	1	1
510719302003030	Pembroke Telephone	12	1	25	3	1
510719302003030	Pembroke Telephone	20	1	3	3	1
510719302003031	Pembroke Telephone	10	1	12	1	1
510719302003031	Pembroke Telephone	12	1	25	3	1
510719302003031	Pembroke Telephone	20	1	3	3	1
510719302003032	Pembroke Telephone	10	1	6	1	1
510719302003035	Pembroke Telephone	10	1	6	1	1
510719302003036	Pembroke Telephone	10	1	15	1	1
510719302003036	Pembroke Telephone	12	1	25	3	1
510719302003036	Pembroke Telephone	20	1	3	3	1
510719302003037	Pembroke Telephone	10	1	15	1	1
510719302003038	Pembroke Telephone	10	1	15	1	1
510719302003039	Pembroke Telephone	10	1	6	1	1
510719302003043	Pembroke Telephone	10	1	15	1	1
510719302003043	Pembroke Telephone	12	1	25	3	1
510719302003043	Pembroke Telephone	20	1	3	3	1

510719302003044	Pembroke Telephone	10	1	6	1	1
510719302003045	Pembroke Telephone	10	1	15	1	1
510719302003045	Pembroke Telephone	12	1	25	3	1
510719302003045	Pembroke Telephone	20	1	10	10	1
510719302003047	Pembroke Telephone	10	1	15	1	1
510719302003047	Pembroke Telephone	12	1	30	15	1
510719302003047	Pembroke Telephone	20	1	25	25	1
510719302003047	Pembroke Telephone	50	1	500	500	1
510719302003051	Pembroke Telephone	10	1	15	1	1
510719302003051	Pembroke Telephone	12	1	25	3	1
510719302003051	Pembroke Telephone	20	1	3	3	1
510719302003053	Pembroke Telephone	10	1	15	1	1
510719302003054	Pembroke Telephone	10	1	15	1	1
510719302003054	Pembroke Telephone	12	1	25	3	1
510719302003054	Pembroke Telephone	20	1	3	3	1
510719302003055	Pembroke Telephone	10	1	10	1	1
510719302003055	Pembroke Telephone	12	1	25	3	1
510719302003055	Pembroke Telephone	20	1	3	3	1
510719302003056	Pembroke Telephone	10	1	15	1	1
510719302003056	Pembroke Telephone	12	1	25	3	1
510719302003056	Pembroke Telephone	20	1	3	3	1
510719302003057	Pembroke Telephone	10	1	4	1	1
510719302003058	Pembroke Telephone	10	1	15	1	1
510719302003058	Pembroke Telephone	12	1	25	3	1
510719302003058	Pembroke Telephone	20	1	3	3	1
510719302003060	Pembroke Telephone	10	1	6	1	1
510719302003061	Pembroke Telephone	10	1	15	1	1
510719302003061	Pembroke Telephone	12	1	20	10	1
510719302003061	Pembroke Telephone	20	1	25	25	1
510719302003061	Pembroke Telephone	50	1	500	500	1
510719302003063	Pembroke Telephone	10	1	15	1	1
510719302003063	Pembroke Telephone	12	1	25	3	1
510719302003063	Pembroke Telephone	20	1	3	3	1
510719302003064	Pembroke Telephone	10	1	10	1	1
510719302003064	Pembroke Telephone	12	1	25	3	1
510719302003064	Pembroke Telephone	20	1	25	25	1
510719302003064	Pembroke Telephone	50	1	500	500	1
510719302003065	Pembroke Telephone	10	1	15	1	1
510719302003065	Pembroke Telephone	12	1	25	3	1
510719302003065	Pembroke Telephone	20	1	25	25	1
510719302003065	Pembroke Telephone	50	1	500	500	1
510719302003066	Pembroke Telephone	10	1	15	1	1
510719302003066	Pembroke Telephone	12	1	25	3	1
510719302003066	Pembroke Telephone	20	1	10	10	1
510719302003067	Pembroke Telephone	10	1	15	1	1
510719302003067	Pembroke Telephone	12	1	25	3	1
510719302003067	Pembroke Telephone	20	1	25	25	1

510719302003067	Pembroke Telephone	50	1	500	500	1
510719302003068	Pembroke Telephone	10	1	15	1	1
510719302003069	Pembroke Telephone	10	1	4	1	1
510719302003070	Pembroke Telephone	10	1	12	1	1
510719302003070	Pembroke Telephone	12	1	25	3	1
510719302003070	Pembroke Telephone	20	1	3	3	1
510719302003071	Pembroke Telephone	10	1	15	1	1
510719302003071	Pembroke Telephone	12	1	25	3	1
510719302003071	Pembroke Telephone	20	1	3	3	1
510719302003072	Pembroke Telephone	10	1	15	1	1
510719302003072	Pembroke Telephone	12	1	25	3	1
510719302003072	Pembroke Telephone	20	1	3	3	1
510719302003073	Pembroke Telephone	10	1	15	1	1
510719302003073	Pembroke Telephone	12	1	25	3	1
510719302003073	Pembroke Telephone	20	1	3	3	1
510719302003074	Pembroke Telephone	10	1	15	1	1
510719302003074	Pembroke Telephone	12	1	25	3	1
510719302003074	Pembroke Telephone	20	1	3	3	1
510719302003075	Pembroke Telephone	10	1	15	1	1
510719302003075	Pembroke Telephone	12	1	25	3	1
510719302003075	Pembroke Telephone	20	1	3	3	1
510719302003076	Pembroke Telephone	10	1	15	1	1
510719302003076	Pembroke Telephone	12	1	25	3	1
510719302003076	Pembroke Telephone	20	1	3	3	1
510719302003077	Pembroke Telephone	10	1	15	1	1
510719302003077	Pembroke Telephone	12	1	25	3	1
510719302003077	Pembroke Telephone	20	1	3	3	1
510719302003078	Pembroke Telephone	10	1	15	1	1
510719302003078	Pembroke Telephone	12	1	25	3	1
510719302003078	Pembroke Telephone	20	1	3	3	1
510719302003079	Pembroke Telephone	10	1	15	1	1
510719302003081	Pembroke Telephone	10	1	15	1	1
510719302003081	Pembroke Telephone	12	1	25	3	1
510719302003081	Pembroke Telephone	20	1	10	10	1
510719302003082	Pembroke Telephone	10	1	4	1	1
510719302003083	Pembroke Telephone	10	1	15	1	1
510719302003083	Pembroke Telephone	12	1	25	3	1
510719302003083	Pembroke Telephone	20	1	3	3	1
510719302003084	Pembroke Telephone	10	1	15	1	1
510719302003085	Pembroke Telephone	10	1	15	1	1
510719302003085	Pembroke Telephone	12	1	25	3	1
510719302003085	Pembroke Telephone	20	1	3	3	1
510719302003086	Pembroke Telephone	10	1	4	1	1
510719302003087	Pembroke Telephone	10	1	15	1	1
510719302003088	Pembroke Telephone	10	1	15	1	1
510719302003088	Pembroke Telephone	12	1	25	3	1
510719302003088	Pembroke Telephone	20	1	3	3	1

510719302003090	Pembroke Telephone	10	1	15	1	1
510719302003090	Pembroke Telephone	12	1	25	3	1
510719302003090	Pembroke Telephone	20	1	3	3	1
510719302003091	Pembroke Telephone	10	1	15	1	1
510719302003091	Pembroke Telephone	12	1	25	3	1
510719302003091	Pembroke Telephone	20	1	3	3	1
510719302003092	Pembroke Telephone	10	1	15	1	1
510719302003092	Pembroke Telephone	12	1	25	3	1
510719302003092	Pembroke Telephone	20	1	3	3	1
510719302003093	Pembroke Telephone	10	1	15	1	1
510719302003093	Pembroke Telephone	12	1	25	3	1
510719302003093	Pembroke Telephone	20	1	3	3	1

FBS_Pembroke_Tel_1H_2022_ILEC_Uploadv2
8/11/2022

51045050100	10	0.75	0.25	5	5
51045050100	10	3	0.5	10	10
51045050100	10	4	1	7	7
51045050100	10	5	1	1	1
51045050100	10	6	1	101	98
51045050100	10	6	2	1	0
51045050100	10	8	1	11	11
51045050100	10	10	1	11	10
51045050100	20	10	10	1	1
51045050100	10	12	1	7	7
51045050100	10	14	1	1	1
51045050100	10	15	1	16	16
51045050100	10	25	3	49	49
51045050100	10	30	15	2	2
51071930100	10	0.75	0.25	8	7
51071930100	10	1.5	0.256	1	1
51071930100	10	3	0.5	20	19
51071930100	10	3	0.512	3	3
51071930100	20	3	3	1	0
51071930100	10	4	1	44	44
51071930100	10	5	1	2	2
51071930100	10	6	1	278	256
51071930100	10	8	1	35	34
51071930100	10	10	1	40	40
51071930100	20	10	10	1	0
51071930100	10	12	1	35	33
51071930100	10	14	1	12	11
51071930100	10	15	1	55	49
51071930100	10	15	5	1	1
51071930100	10	20	1	3	2
51071930100	10	20	5	1	1
51071930100	10	25	3	94	90
51071930100	10	40	5	1	1
51071930100	10	100	50	3	2
51071930100	50	100	50	4	1
51071930100	20	200	200	1	0
51071930200	10	0.75	0.25	12	10
51071930200	10	3	0.5	13	13
51071930200	10	3	0.512	1	1
51071930200	10	4	1	22	22
51071930200	10	5	1	2	2
51071930200	10	6	1	285	262
51071930200	10	8	1	36	36
51071930200	10	10	1	37	35

51071930200	20	10	10	4	0
51071930200	10	12	1	17	17
51071930200	10	14	1	8	8
51071930200	10	15	1	46	43
51071930200	10	20	10	3	1
51071930200	10	25	3	95	84
51071930200	10	25	25	2	0
51071930200	10	30	15	2	2
51071930200	50	100	50	2	0

VGE_W-LDS_Pembroke_Tel_1H_2022_Upload
8/11/2022

51

0 0 1628 1246 246 1018 186 178 1628 0 0 0 0 0

VGE_Pembroke_Tel_1H_2022-ILEC_Upload
8/11/2022

51045050100	0	202	195
51071930100	0	611	512
51071930200	0	809	557
51071930300	0	6	0

Form 477 Filing Summary

FRN:

0002061653

Data as of:

Jun 30, 2022

Operations:

Non-ILEC

Submission Status:

Original - Submitted

Last Updated:

Aug 11, 2022 01:41 PM

Filer Identification

Section	Field	Response
Filer Information	Company Name	Pembroke Telephone Cooperative
	Holding Company Name	Pembroke Telephone Cooperative
	Filing Type	Non-ILEC
	SAC ID	190243
	499 ID	809804
Data Contact Information	Data Contact Name	Sherri Davidson
	Data Contact Phone Number	(540) 626-7111
	Data Contact E-mail	sherridavidson@pemtel.net
Emergency Operations Contact Information	Emergency Operations Name	Michael J Dudding
	Emergency Operations Phone Number	(540) 626-7111
	Emergency Operations E-mail	mjdudding@pemtel.net
Certifying Official Contact Information	Certifying Official Name	Leon A Law
	Certifying Official Phone Number	(540) 626-7111
	Certifying Official E-mail	lalaw@pemtel.net

Data Submitted

Form Section	File Name	Date & Time	Number of Rows
--------------	-----------	-------------	----------------

Form Section	File Name	Date & Time	Number of Rows
Fixed Broadband Deployment	FBD_Pembroke_Tel_1H_2022_CLEC_Upload.csv	Aug 11, 2022 11:44 AM	26
Fixed Broadband Subscription	FBS_Pembroke_Tel_1H-2022_CLEC_Uploadv1.csv	Aug 11, 2022 12:01 PM	14
Fixed Voice Subscription	VGE_Pembroke_Tel_1H-2022_CLEC_Upload.csv	Aug 11, 2022 01:26 PM	2

Fixed Broadband Deployment

Census Block Counts by State, DBA Name and Technology

State	DBA Name	Technology	Blocks
Virginia	Pembroke Telephone	Asymmetric xDSL	1
		Optical Carrier/Fiber to the End User	25
Total			26

Fixed Broadband Subscription

Fixed Broadband Subscriptions by State, Technology and End User Type

State	Technology	Subscriptions			Total
		Census Tracts	Consumer	Business/Govt.	
Virginia	Optical Carrier/Fiber to the End User	14	111	8	119
Total		14	111	8	119

Fixed Broadband Subscriptions by Bandwidths and End User Type

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business/Govt.	Total
10.000	1.000	57	3	60
12.000	1.000	1	0	1
14.000	1.000	1	0	1
15.000	1.000	21	0	21
15.000	5.000	1	1	2
20.000	1.000	1	0	1

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business/Govt.	Total
20.000	10.000	1	0	1
25.000	3.000	22	4	26
30.000	5.000	3	0	3
100.000	50.000	3	0	3
Total		111	8	119

Fixed Broadband Subscriptions by Technology, Bandwidths and End User Type

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business/Govt.	Total
Optical Carrier/Fiber to the End User	10.000	1.000	57	3	60
	12.000	1.000	1	0	1
	14.000	1.000	1	0	1
	15.000	1.000	21	0	21
	15.000	5.000	1	1	2
	20.000	1.000	1	0	1
	20.000	10.000	1	0	1
	25.000	3.000	22	4	26
	30.000	5.000	3	0	3
	100.000	50.000	3	0	3
Total			111	8	119

Fixed Voice Subscription

VGE Lines and VoIP Subscriptions by State and End User Type

State	Total VGE Lines	Consumer VGE Lines	Total VoIP Subscriptions	Consumer VoIP Subscriptions
Virginia	35	34	0	0
Total	35	34	0	0

Fixed Voice Subscription (VGE Lines)

VGE Lines Provided to Unaffiliated Providers by State

State	Wholesale	UNE-L
Virginia	0	0
Total	0	0

VGE Lines Provided to End Users by State, Bundle and Product Type

State	by Bundle			by Product Type			
	Total	Sold w/ Internet	Sold w/o Internet	Consumer		Business/Govt.	
				& No PIC	& PIC	& No PIC	& PIC
Virginia	35	27	8	22	12	0	1
Total	35	27	8	22	12	0	1

VGE Lines Provided to End Users by State, Ownership and Last-Mile Medium

State	Total	by Ownership				by Last-Mile Medium		
		Owned	UNE-L	Resale	FTTP	Coax	Fixed Wireless	Copper
Virginia	35	35	0	0	35	0	0	0
Total	35	35	0	0	35	0	0	0

Reminder: Use 2010 Census geographies for data as of June 30, 2021 and before. Use 2020 Census geographies for data as of December 31, 2021 and after.

For help or assistance, please contact (877) 480-3201 or (717) 338-2834 (TTY) or you may submit an [online e-support ticket](#).

Federal Communications Commission
45 L St NE, Washington, DC 20002

[Phone: 1-888-225-5322](tel:1-888-225-5322)

[TTY: 1-888-835-5322](tel:1-888-835-5322)

[Videophone: 1-844-432-2275](tel:1-844-432-2275)

[Fax: 1-866-418-0232](tel:1-866-418-0232)



[Contact Us](#)

FBD_Pembroke_Tel_1h-2022_CLEC_Upload
8/11/2022

510719302001009	Pembroke Telephone	50	1	500	500	1
510719302001016	Pembroke Telephone	50	1	500	500	1
510719302001018	Pembroke Telephone	50	1	500	500	1
510719302001019	Pembroke Telephone	50	1	500	500	1
510719302001020	Pembroke Telephone	50	1	500	500	1
510719302001021	Pembroke Telephone	50	1	500	500	1
510719302001027	Pembroke Telephone	50	1	500	500	1
510719302001036	Pembroke Telephone	50	1	500	500	1
510719302001038	Pembroke Telephone	50	1	500	500	1
510719302001039	Pembroke Telephone	50	1	500	500	1
510719302001044	Pembroke Telephone	50	1	500	500	1
510719302001046	Pembroke Telephone	50	1	500	500	1
510719302001047	Pembroke Telephone	50	1	500	500	1
510719302001048	Pembroke Telephone	50	1	500	500	1
510719302001054	Pembroke Telephone	50	1	500	500	1
510719304001021	Pembroke Telephone	50	1	500	500	1
510719304001022	Pembroke Telephone	50	1	500	500	1
510719304002044	Pembroke Telephone	50	1	500	500	1
510719304002045	Pembroke Telephone	50	1	500	500	1
510719304002049	Pembroke Telephone	50	1	500	500	1
510719304002055	Pembroke Telephone	50	1	500	500	1
510719304002058	Pembroke Telephone	10	1	500	500	1
510719304002058	Pembroke Telephone	50	1	500	500	1
510719304002064	Pembroke Telephone	50	1	500	500	1
510719304002081	Pembroke Telephone	50	1	500	500	1
510719304002084	Pembroke Telephone	50	1	500	500	1

FBS_Pembroke_Tel_1H2022_CLEC_Upload
8/11/2022

51071930200	50	10	1	42	40
51071930200	50	12	1	1	1
51071930200	50	14	1	1	1
51071930200	50	15	1	18	18
51071930200	50	15	5	1	1
51071930200	50	20	1	1	1
51071930200	50	20	10	1	1
51071930200	50	25	3	20	20
51071930200	50	30	5	3	3
51071930200	50	100	50	3	3
51071930400	50	10	1	18	17
51071930400	50	15	1	3	3
51071930400	50	15	5	1	0
51071930400	50	25	3	6	2

VGE_Pembroke_Tel_1H-2022-CLEC_Upload
8/11/2022

51071930200
51071930400

0 29 28
0 6 6

state	VGE's Wholesale	Wholesale UNE-L	VGE's End User Total	VGE's End User Bundled	VGE's End User Consumer No PC	VGE's End User Consumer PIC	VGE's End User Business No PIC	VGE's End User Business PIC	VGE's End User Owned	VGE's End User UNE-L	VGE's End User Fiber	VGE's End User Coax	VGE's End User TFW
51	0	0	35	30	12	0	0	1	35	0	0	0	0

Form 477 Filing Summary

FRN:

0002061653

Data as of:

Dec 31, 2021

Operations:

ILEC

Submission Status:

Original - Submitted

Last Updated:

Feb 14, 2022 01:47 PM

Filer Identification

Section	Field	Response
Filer Information	Company Name	Pembroke Telephone Cooperative
	Holding Company Name	Pembroke Telephone Cooperative
	Filing Type	ILEC
	SAC ID	190243
	499 ID	809804
Data Contact Information	Data Contact Name	Sherri Davidson
	Data Contact Phone Number	(540) 626-7111
	Data Contact E-mail	sherridavidson@pemtel.net
Emergency Operations Contact Information	Emergency Operations Name	Michael J Dudding
	Emergency Operations Phone Number	(540) 626-7111
	Emergency Operations E-mail	mjdudding@pemtel.net
Certifying Official Contact Information	Certifying Official Name	Leon A Law
	Certifying Official Phone Number	(540) 626-7111
	Certifying Official E-mail	lalaw@pemtel.net

Data Submitted

Form Section	File Name	Date & Time	Number of Rows
--------------	-----------	-------------	----------------

2/14/2022

510450501001056 PemTel	10	1	4	1	1
510450501001057 PemTel	10	1	6	1	1
510450501001058 PemTel	12	1	25	3	1
510450501001061 PemTel	10	1	6	1	1
510450501001088 PemTel	12	1	25	3	1
510450501001089 PemTel	10	1	10	1	1
510450501001090 PemTel	12	1	25	3	1
510450501001091 PemTel	12	1	25	3	1
510450501001092 PemTel	10	1	6	1	1
510450501001095 PemTel	10	1	4	1	1
510450501001100 PemTel	10	1	3	0.512	1
510450501001101 PemTel	12	1	25	3	1
510450501001102 PemTel	12	1	25	3	1
510450501001104 PemTel	12	1	25	3	1
510450501001105 PemTel	10	1	10	1	1
510450501001106 PemTel	12	1	25	3	1
510450501001107 PemTel	10	1	15	1	1
510450501001108 PemTel	10	1	10	1	1
510450501001109 PemTel	12	1	25	3	1
510450501001110 PemTel	10	1	8	1	1
510450501001111 PemTel	12	1	25	3	1
510450501001112 PemTel	10	1	3	0.512	1
510450501001113 PemTel	10	1	8	1	1
510450501001114 PemTel	12	1	25	3	1
510450501001115 PemTel	10	1	6	1	1
510450501002072 PemTel	12	1	25	3	1
510450501002073 PemTel	10	1	10	1	1
510450501002074 PemTel	10	1	4	1	1
510450501002075 PemTel	10	1	4	1	1
510450501002076 PemTel	10	1	4	1	1
510450501002077 PemTel	10	1	12	1	1
510450501002078 PemTel	10	1	4	1	1
510450501002079 PemTel	12	1	25	3	1
510450501002080 PemTel	50	1	100	50	1
510450501002082 PemTel	12	1	30	15	1
510450501002084 PemTel	12	1	25	3	1
510450501002095 PemTel	10	1	6	1	1
510450501002097 PemTel	12	1	25	3	1
510719301001000 PemTel	10	1	12	1	1
510719301001001 PemTel	12	1	25	3	1
510719301001002 PemTel	20	1	200	200	1
510719301001004 PemTel	10	1	6	1	1
510719301001006 PemTel	20	1	3	3	1
510719301001007 PemTel	10	1	15	1	1
510719301001008 PemTel	12	1	25	3	1
510719301001009 PemTel	12	1	100	50	1
510719301001010 PemTel	10	1	4	1	1
510719301001011 PemTel	12	1	25	3	1
510719301001012 PemTel	12	1	25	3	1

510719301001013 PemTel	10	1	10	1	1
510719301001014 PemTel	12	1	25	3	1
510719301001015 PemTel	12	1	25	3	1
510719301001016 PemTel	10	1	15	1	1
510719301001017 PemTel	12	1	25	3	1
510719301001018 PemTel	10	1	10	1	1
510719301001019 PemTel	12	1	25	10	1
510719301001022 PemTel	10	1	3	0.512	1
510719301001024 PemTel	12	1	25	3	1
510719301001026 PemTel	10	1	15	1	1
510719301001028 PemTel	50	1	100	50	1
510719301001029 PemTel	10	1	15	1	1
510719301001031 PemTel	12	1	25	3	1
510719301001032 PemTel	12	1	25	3	1
510719301001033 PemTel	12	1	25	3	1
510719301001034 PemTel	10	1	4	1	1
510719301001038 PemTel	10	1	6	1	1
510719301001039 PemTel	12	1	25	3	1
510719301001043 PemTel	10	1	5	1	1
510719301001044 PemTel	12	1	25	3	1
510719301001047 PemTel	12	1	25	3	1
510719301001048 PemTel	12	1	25	3	1
510719301001049 PemTel	10	1	15	1	1
510719301001054 PemTel	10	1	12	1	1
510719301001055 PemTel	12	1	25	3	1
510719301001056 PemTel	10	1	15	1	1
510719301001060 PemTel	10	1	15	1	1
510719301001061 PemTel	12	1	25	3	1
510719301001062 PemTel	12	1	25	3	1
510719301001063 PemTel	12	1	25	3	1
510719301001064 PemTel	12	1	25	3	1
510719301001065 PemTel	10	1	20	1	1
510719301001070 PemTel	12	1	25	5	1
510719301001071 PemTel	10	1	12	1	1
510719301001075 PemTel	10	1	3	0.512	1
510719301001076 PemTel	10	1	12	1	1
510719301002002 PemTel	12	1	25	3	1
510719301002004 PemTel	12	1	25	3	1
510719301002005 PemTel	10	1	12	1	1
510719301002006 PemTel	12	1	25	3	1
510719301002007 PemTel	12	1	25	3	1
510719301002010 PemTel	10	1	4	1	1
510719301002011 PemTel	12	1	25	10	1
510719301002013 PemTel	10	1	15	1	1
510719301002015 PemTel	10	1	15	1	1
510719301002020 PemTel	10	1	4	1	1
510719301002025 PemTel	12	1	25	3	1
510719301002026 PemTel	12	1	25	3	1
510719301002029 PemTel	12	1	25	3	1
510719301002030 PemTel	12	1	25	3	1
510719301002035 PemTel	10	1	4	1	1
510719302001005 PemTel	10	1	8	1	1

510719302001011 PemTel	10	1	12	1	1
510719302001012 PemTel	12	1	25	3	1
510719302001013 PemTel	10	1	4	1	1
510719302001014 PemTel	12	1	25	3	1
510719302001015 PemTel	10	1	14	1	1
510719302001016 PemTel	10	1	15	1	1
510719302001017 PemTel	12	1	25	3	1
510719302001023 PemTel	10	1	15	1	1
510719302001023 PemTel	12	1	25	3	1
510719302001024 PemTel	12	1	25	3	1
510719302001025 PemTel	10	1	15	1	1
510719302001026 PemTel	10	1	4	1	1
510719302001032 PemTel	10	1	4	1	1
510719302001035 PemTel	10	1	4	1	1
510719302002001 PemTel	12	1	25	3	1
510719302002003 PemTel	10	1	12	1	1
510719302002004 PemTel	12	1	25	3	1
510719302002005 PemTel	12	1	25	3	1
510719302002006 PemTel	10	1	4	1	1
510719302002007 PemTel	10	1	6	1	1
510719302002008 PemTel	10	1	6	1	1
510719302002009 PemTel	10	1	15	1	1
510719302002010 PemTel	12	1	25	3	1
510719302002012 PemTel	10	1	8	1	1
510719302002013 PemTel	10	1	8	1	1
510719302002014 PemTel	10	1	6	1	1
510719302002016 PemTel	10	1	6	1	1
510719302002024 PemTel	10	1	15	1	1
510719302002026 PemTel	20	1	25	25	1
510719302002028 PemTel	10	1	15	1	1
510719302002029 PemTel	10	1	6	1	1
510719302002030 PemTel	12	1	25	3	1
510719302002031 PemTel	12	1	25	3	1
510719302002032 PemTel	10	1	4	1	1
510719302002033 PemTel	12	1	25	3	1
510719302002034 PemTel	12	1	25	10	1
510719302002035 PemTel	10	1	15	1	1
510719302002036 PemTel	12	1	25	3	1
510719302002037 PemTel	12	1	25	3	1
510719302002040 PemTel	10	1	15	1	1
510719302002041 PemTel	10	1	6	1	1
510719302002045 PemTel	12	1	25	3	1
510719302002046 PemTel	10	1	15	1	1
510719302002047 PemTel	10	1	6	1	1
510719302002048 PemTel	12	1	25	3	1
510719302002052 PemTel	10	1	15	1	1
510719302002052 PemTel	12	1	25	3	1
510719302002053 PemTel	10	1	10	1	1
510719302002054 PemTel	10	1	8	1	1
510719302003001 PemTel	10	1	15	1	1
510719302003003 PemTel	10	1	14	1	1
510719302003004 PemTel	12	1	25	3	1

510719302003005 PemTel	10	1	10	1	1
510719302003006 PemTel	10	1	8	1	1
510719302003008 PemTel	50	1	100	50	1
510719302003009 PemTel	10	1	8	1	1
510719302003011 PemTel	12	1	25	3	1
510719302003016 PemTel	12	1	25	3	1
510719302003017 PemTel	10	1	15	1	1
510719302003018 PemTel	10	1	6	1	1
510719302003022 PemTel	10	1	15	1	1
510719302003025 PemTel	10	1	6	1	1
510719302003026 PemTel	10	1	8	1	1
510719302003028 PemTel	10	1	15	1	1
510719302003029 PemTel	12	1	25	3	1
510719302003030 PemTel	10	1	8	1	1
510719302003031 PemTel	12	1	25	3	1
510719302003032 PemTel	10	1	3	0.512	1
510719302003035 PemTel	10	1	6	1	1
510719302003036 PemTel	10	1	15	1	1
510719302003037 PemTel	10	1	4	1	1
510719302003039 PemTel	10	1	6	1	1
510719302003043 PemTel	10	1	6	1	1
510719302003044 PemTel	10	1	6	1	1
510719302003045 PemTel	10	1	6	1	1
510719302003045 PemTel	20	1	10	10	1
510719302003047 PemTel	50	1	100	50	1
510719302003051 PemTel	10	1	15	1	1
510719302003051 PemTel	12	1	25	3	1
510719302003053 PemTel	10	1	15	1	1
510719302003054 PemTel	12	1	25	3	1
510719302003055 PemTel	10	1	8	1	1
510719302003056 PemTel	10	1	8	1	1
510719302003057 PemTel	12	1	25	3	1
510719302003058 PemTel	12	1	25	3	1
510719302003060 PemTel	10	1	3	0.512	1
510719302003061 PemTel	12	1	15	5	1
510719302003062 PemTel	12	1	25	3	1
510719302003063 PemTel	12	1	25	3	1
510719302003064 PemTel	50	1	100	50	1
510719302003065 PemTel	12	1	25	3	1
510719302003066 PemTel	50	1	100	50	1
510719302003067 PemTel	12	1	25	3	1
510719302003068 PemTel	10	1	6	1	1
510719302003069 PemTel	10	1	12	1	1
510719302003070 PemTel	12	1	25	3	1
510719302003071 PemTel	10	1	4	1	1
510719302003072 PemTel	10	1	10	1	1
510719302003073 PemTel	10	1	6	1	1
510719302003074 PemTel	10	1	15	1	1
510719302003075 PemTel	10	1	15	1	1
510719302003076 PemTel	12	1	25	3	1
510719302003077 PemTel	10	1	6	1	1
510719302003078 PemTel	10	1	14	1	1

510719302003079 PemTel	10	1	10	1	1
510719302003081 PemTel	10	1	15	1	1
510719302003082 PemTel	12	1	25	3	1
510719302003083 PemTel	10	1	15	1	1
510719302003084 PemTel	10	1	8	1	1
510719302003085 PemTel	12	1	25	3	1
510719302003086 PemTel	10	1	14	1	1
510719302003087 PemTel	10	1	14	1	1
510719302003088 PemTel	12	1	25	3	1
510719302003090 PemTel	10	1	6	1	1
510719302003091 PemTel	10	1	6	1	1
510719302003093 PemTel	12	1	25	3	1

Census Tract	Technology Code	Download Speed	Upload Speed	Total Connections	Consumer Connections
51045050100	10	0.768	0.256	13	13
51045050100	10	1.5	0.256	1	1
51045050100	10	10	1	14	13
51045050100	10	10	10	1	1
51045050100	10	12	1	6	6
51045050100	10	14	1	3	2
51045050100	10	15	1	24	24
51045050100	10	3	0.512	59	59
51045050100	10	4	1	37	36
51045050100	10	5	1	1	1
51045050100	10	6	1	31	30
51045050100	10	8	1	9	9
51045050100	10	25	3	8	8
51045050100	10	6	2	1	0
51045050100	50	30	5	1	1
51071930100	10	0.768	0.256	24	23
51071930100	10	1.5	0.256	2	2
51071930100	10	3	0.512	160	149
51071930100	10	3	3	1	0
51071930100	10	4	1	142	138
51071930100	10	5	1	10	10
51071930100	10	6	1	112	106
51071930100	10	8	1	34	33
51071930100	10	10	1	33	33
51071930100	10	10	10	1	0
51071930100	10	12	1	20	18
51071930100	10	14	1	8	7
51071930100	10	15	1	67	49
51071930100	10	15	5	1	1
51071930100	10	20	1	3	2
51071930100	10	20	2	1	1
51071930100	10	20	10	1	1
51071930100	10	25	3	6	4
51071930100	10	100	50	2	0
51071930200	10	0.768	0.256	18	14
51071930200	10	3	0.512	195	184
51071930200	10	4	1	114	107
51071930200	10	5	1	7	6
51071930200	10	6	1	95	89
51071930200	10	6	2	1	1
51071930200	10	8	1	37	36
51071930200	10	10	1	38	37
51071930200	10	12	1	13	12
51071930200	10	14	1	6	6
51071930200	10	15	1	53	47
51071930200	10	15	5	1	1
51071930200	10	20	1	2	2
51071930200	10	25	3	14	13
51071930200	10	20	10	2	0
51071930200	10	30	15	2	0
51071930200	10	100	50	1	1
51071930200	20	10	10	3	0
51071930200	20	25	25	2	0

VGE_Pembroke_Tel_2H_2021_ILEC_Upload
2/14/2022

51045050100	0	205	199
51071930100	0	657	557
51071930200	0	851	598
51071930300	0	6	0

Form 477 Filing Summary

FRN:

0002061653

Data as of:

Dec 31, 2021

Operations:

Non-ILEC

Submission Status:

Revised - Submitted

Last Updated:

Feb 14, 2022 03:10 PM

Filer Identification

Section	Field	Response
Filer Information	Company Name	Pembroke Telephone Cooperative
	Holding Company Name	Pembroke Telephone Cooperative
	Filing Type	Non-ILEC
	SAC ID	190243
	499 ID	809804
Data Contact Information	Data Contact Name	Sherri Davidson
	Data Contact Phone Number	(540) 626-7111
	Data Contact E-mail	sherridavidson@pemtel.net
Emergency Operations Contact Information	Emergency Operations Name	Michael J Dudding
	Emergency Operations Phone Number	(540) 626-7111
	Emergency Operations E-mail	mjduddin@pemtel.net
Certifying Official Contact Information	Certifying Official Name	Leon A Law
	Certifying Official Phone Number	(540) 626-7111
	Certifying Official E-mail	lalaw@pemtel.net

Data Submitted

Form Section	File Name	Date & Time	Number of Rows
--------------	-----------	-------------	----------------

Form Section	File Name	Date & Time	Number of Rows
Fixed Broadband Deployment	FBD_Pembroke_Tel_2H_2021-CLEC_UPLOAD.csv	Feb 14, 2022 03:10 PM	25
Fixed Broadband Subscription	FBS_Pembroke_Tel_2H_2021-CLEC_UPLOAD.csv	Feb 14, 2022 03:10 PM	18
Fixed Voice Subscription	Interactive data entry		2

Fixed Broadband Deployment

Census Block Counts by State, DBA Name and Technology

State	DBA Name	Technology	Blocks
Virginia	PemTel	Optical Carrier/Fiber to the End User	25
Total			25

Fixed Broadband Subscription

Fixed Broadband Subscriptions by State, Technology and End User Type

State	Technology	Census Tracts	Subscriptions		Total
			Consumer	Business/Govt.	
Virginia	Optical Carrier/Fiber to the End User	18	110	7	117
Total		18	110	7	117

Fixed Broadband Subscriptions by Bandwidths and End User Type

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business/Govt.	Total
10.000	1.000	59	4	63
12.000	1.000	1	0	1
14.000	1.000	1	0	1
15.000	1.000	20	0	20
15.000	5.000	1	1	2
20.000	1.000	4	0	4
20.000	10.000	2	0	2

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business/Govt.	Total
25.000	3.000	16	1	17
30.000	5.000	4	0	4
30.000	15.000	1	0	1
40.000	5.000	1	0	1
100.000	50.000	0	1	1
Total		110	7	117

Fixed Broadband Subscriptions by Technology, Bandwidths and End User Type

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business/Govt.	Total
Optical Carrier/Fiber to the End User	10.000	1.000	59	4	63
	12.000	1.000	1	0	1
	14.000	1.000	1	0	1
	15.000	1.000	20	0	20
	15.000	5.000	1	1	2
	20.000	1.000	4	0	4
	20.000	10.000	2	0	2
	25.000	3.000	16	1	17
	30.000	5.000	4	0	4
	30.000	15.000	1	0	1
	40.000	5.000	1	0	1
	100.000	50.000	0	1	1
Total			110	7	117

Fixed Voice Subscription

VGE Lines and VoIP Subscriptions by State and End User Type

State	Total VGE Lines	Consumer VGE Lines	Total VoIP Subscriptions	Consumer VoIP Subscriptions
Virginia	0	0	35	34

State	Total VGE Lines	Consumer VGE Lines	Total VoIP Subscriptions	Consumer VoIP Subscriptions
Total	0	0	35	34

Fixed Voice Subscription (iVoIP)

Over-the-Top VoIP Subscriptions by State and End User Type

State	Total	Consumer	Business/Govt.
Virginia	0	0	0
Total	0	0	0

All Other VoIP Subscriptions by State, End User Type, Bundle and Last-Mile Medium

State	Total	by End User Type		by Bundle		by Last-Mile Medium			
		Consumer	Business/Govt.	Sold w/ Internet	Sold w/o Internet	FTTP	Coax	Fixed Wireless	Copper
Virginia	35	34	1	20	15	35	0	0	0
Total	35	34	1	20	15	35	0	0	0

Reminder: Use 2010 Census geographies for data as of June 30, 2021 and before. Use 2020 Census geographies for data as of December 31, 2021 and after.

For help or assistance, please contact (877) 480-3201 or (717) 338-2834 (TTY) or you may submit an [online e-support ticket](#).

Federal Communications Commission
45 L St NE, Washington, DC 20002

[Phone: 1-888-225-5322](#)

[TTY: 1-888-835-5322](#)

[Videophone: 1-844-432-2275](#)

[Fax: 1-866-418-0232](#)



[Contact Us](#)



[Website Policies & Notices](#)

[FOIA](#)

[No Fear Act Data](#)

[FCC Digital Strategy](#)

[Open Government Directive](#)

[Plain Writing Act](#)

[RSS Feeds & Email Updates](#)

[Disability Rights](#)

CATEGORIES

[About the FCC](#)

[Proceedings & Actions](#)

[Licensing & Databases](#)

[Reports & Research](#)

[News & Events](#)

[For Consumers](#)

BUREAUS & OFFICES

[Consumer](#)

[Enforcement](#)

[Inspector General](#)

[International](#)

[Media](#)

[Public Safety](#)

[Wireless](#)

[Wireline](#)

[Offices](#)

FBS_Pembroke_Tel_2H_2021-CLEC-Upload
2/14/2022

51071930200	50	10	1	42	40
51071930200	50	100	50	1	0
51071930200	50	12	1	1	1
51071930200	50	14	1	1	1
51071930200	50	15	1	17	17
51071930200	50	15	5	1	1
51071930200	50	20	1	3	3
51071930200	50	20	10	2	2
51071930200	50	25	3	13	13
51071930200	50	30	5	3	3
51071930200	50	30	15	1	1
51071930200	50	40	5	1	1
51071930400	50	10	1	21	19
51071930400	50	15	1	3	3
51071930400	50	15	5	1	0
51071930400	50	20	1	1	1
51071930400	50	25	3	4	3
51071930400	50	30	5	1	1

FBS_Pembroke_Tel_2H_2021-CLEC-Upload
2/14/2022

51071930200	50	10	1	42	40
51071930200	50	100	50	1	0
51071930200	50	12	1	1	1
51071930200	50	14	1	1	1
51071930200	50	15	1	17	17
51071930200	50	15	5	1	1
51071930200	50	20	1	3	3
51071930200	50	20	10	2	2
51071930200	50	25	3	13	13
51071930200	50	30	5	3	3
51071930200	50	30	15	1	1
51071930200	50	40	5	1	1
51071930400	50	10	1	21	19
51071930400	50	15	1	3	3
51071930400	50	15	5	1	0
51071930400	50	20	1	1	1
51071930400	50	25	3	4	3
51071930400	50	30	5	1	1

VGE_Pembroke_Tel_CLEC_2H2021_Upload
2/14/2022

state	VGEs Whol	Wholesale	VGEs End L	VGEs End L	VGEs End L	VGEs End L	VGEs End L	VGEs End L
51	0	0	35	29	12	22	0	1

VGEs End L	VGEs End L	VGEs End L	VGEs End L	VGEs End L	VGEs End User TFW
35	0	0	0	0	0

Chris McKlarney
Giles County Administrator

August 24, 2022

Dear Mr. McKlarney,

After reviewing your previous message, we would like to explain the factors behind our rate structure and the reasons we are unable to guarantee the rates you have proposed.

We are members of the National Exchange Carrier Association. This association was formed by the FCC to oversee rates and tariffs for independent telcos across the country. As a member and pool participant, our revenue requirements and rates are determined by NECA and filed with the FCC as tariffs. These tariffs are our legal billing authority and are subject to change effective July 1st of each year. And should we fail to follow them, we would lose the subsidies we receive as participants in the pool.

Our long-term plan is to phase out the speed plans that fall into this scenario. As more subscribers migrate to higher speed offerings, and assuming that our subscriber base grows, our profit margins will permit us to have more flexibility to offer highly competitive rates to our subscribers. We review our pricing structure frequently to assure our subscribers are receiving the most affordable rates possible.

While we have no immediate plan to reduce rates on the lower tiers, we are actively working on rate reductions for our higher speed offerings. As illustrated below, this would result in a dramatic reduction to the rates for our higher speed plans. Additionally, we are proposing a business rate on plans of 100/50 and above which would allow us to offer even lower rates for residential subscribers who would likely use less bandwidth. These rates will be presented to the Board at the next scheduled meeting. While it will ultimately be their decision, we expect the rates to pass as proposed.

MAX DOWNLOAD	MAX UPLOAD	CURRENT MONTHLY RATE WHEN COMBINED WITH TELEPHONE *	PROPOSED MONTHLY RATE WHEN COMBINED WITH TELEPHONE *	PROPOSED MONTHLY RATE WHEN COMBINED WITH TELEPHONE *
		RESIDENTIAL & BUSINESS	RESIDENTIAL	BUSINESS
10	1	\$62.95	\$62.95	\$62.95
15	1	\$64.95	\$64.95	\$64.95
25	3	\$69.95	\$69.95	\$69.95
30	5	\$79.95	\$79.95	\$79.95
30	15	\$89.95	\$89.95	\$89.95
40	5	\$94.95	\$94.95	\$94.95
100	50	\$109.95	\$99.95	\$109.95
200	200	\$299.95	\$199.95	\$239.95
500	500	\$399.95	\$299.95	\$359.95
1G	1G	NEW OFFERING	\$399.95	\$479.95

** Rate without telephone is \$10.00 per month higher*

In closing, please rest assured that while we are unable to commit to specific rates, we have and will continue to provide our services at the most affordable rates possible. It is our mission to be the provider of choice for affordable, quality communication services to meet the needs of our customers.

Thank you again for the opportunity to work with you on this venture.

Sincerely,

Jason Dudding
General Manager