

Application to DHCD Submitted through CAMS

Prince George County

Prince George County Broadband Project

Application ID: 107412122023174141
Application Status: Pending
Program Name: Virginia Telecommunication Initiative 2024
Organization Name: Prince George County
Organization Address: 6602 Courts Drive
Prince George, VA 23875
Profile Manager Name: Jeffrey Stoke
Profile Manager Phone: (804) 722-8601
Profile Manager Email: jstoke@princegeorgeva.org

Project Name: Prince George County Broadband Project
Project Contact Name: Panayiotis (yoti) Jabri
Project Contact Phone: (804) 722-8612
Project Contact Email: yjabri@princegeorgecountyva.gov
Project Location: 6602 COURTS DR
PRINCE GEORGE, VA 23875-2503
Project Service Area: Prince George County

Total Requested Amount: \$3,097,712.00

Required Annual Audit Status: Accepted

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Budget Information:

Cost/Activity Category	DHCD Request	Other Funding	Total
Telecommunications	\$3,097,712.00	\$774,428.00	\$3,872,140.00
Administration	\$0.00	\$49,000.00	\$49,000.00
Construction	\$3,097,712.00	\$428,263.00	\$3,525,975.00
Construction Related Soft Costs	\$0.00	\$297,165.00	\$297,165.00
Total:	\$3,097,712.00	\$774,428.00	\$3,872,140.00

Budget Narrative:

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:

The geographic area for this proposed Prince George County Broadband project includes all areas of Prince George County's 282 square miles that currently do not have a high-speed broadband option. Prince George County is located 30 miles to the southeast of the capital city of Richmond and border the tri-cities area. Prince George County is located bounded to the north by the City of Hopewell, to the west by Dinwiddie County and City of Petersburg, to south Sussex County and the east Surry County. The boundary for the project, as depicted in the Project Area map, constitutes six (6) zones within the County. The project area was selected after consultation between Prince George County and RURALBAND and meets the eligibility criteria established by the Virginia General Assembly and the Department of Housing and Community Development ("DHCD") for a Virginia Telecommunication Initiative ("VATI") award. It aligns with the footprint of RURALBAND's long-term expansion plan to implement broadband infrastructure incrementally from areas within and near our electrical utility service areas and adjacent to communities where RURALBAND currently provides or is expanding broadband service.

Please see Attachment 1 - Project Area Map.

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 address points for the project area chosen for this VATI grant submission currently only has four (4) providers offering high-speed service as set out by DHCD at greater than 100 Mbps/20Mbps. The information was primarily acquired via sources such as the Federal Communications Commission, Virginia Broadband Availability Map and Integrated Broadband Planning and Analysis Toolbox and research from RURALBAND.

Export from FCC fabric data Vol 2: brand_name technology max_advertised_download max_advertised_upload_spe Xfinity 40 1200 35 Verizon 10 10 1 Ruralband 50 1000 1000 Verizon 50 940 880 T-Mobile US 71 100 20

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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:

In 2022, RURALBAND received Connect America Funding (CAF) and Rural Digital Opportunity Funding (RDOF) to fill in gaps within the county. None of the areas within this project are part of previous federal funding from CAF or RDOF.

Please see Attachment 3 for federal funding areas within Prince George County.

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:

N/A

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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. There is an estimated total of 528 passings. There are 470 residential passings, 45 business passings, and 2 community anchors in the project area. RURALBAND was able to determine the businesses and community anchors in the project by overlaying the fabric data address points on a map of the submitted project area.
- b. There are 0 passings located in RDOF awarded areas within this project.
- c. 528 locations will require special construction cost within the project area.
- d. 528 locations will receive broadband access under the special construction cost. The methodology used included a complete field video ride out survey that was in conjunction with Dominion electric utility map data. Zones 1 - 5 are with in Dominion Energy territory. Zone 6 is within the Southside Electric network. This data was used to create the preliminary engineering design that accounted for mainline capacities at 80% or less utilization for all locations in the service zones. Lateral feeds and service drops designs were accounted for to all 528 locations.
- e. There are a total of 528 passings with speeds at 25/3 below in the project area. This data was sourced from the FCC Vol 2 Fabric Data.

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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:

N/A

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:

N/A

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:

RURALBAND, through a lease agreement with Prince George Electric Cooperative (PGE) is currently deploying Fiber-to-the-Home (FTTH) Calix E7-2 Gigabit Passive Optical Network (GPON). Network topology and architecture will primarily be of OLTs (Optical Line Terminals), fiber optic cables/drops, optical splitters, and Optical Network Terminations (ONTs).

The network is designed to be redundant using the hub & spoke model to manage the ERPS ring using the Calix hardware supplemented by Juniper switches. The entire ERPS ring including radial connections is managed with substation electronics. All the fiber optic cables are designed and engineered as ADSS (All dielectric self-supporting) with both underground and overhead deployment in communication space. The network can handle all existing locations with symmetrical upload/download speeds up to 1 GBPS connection.

The current network design can be expanded to all members/customers requiring XGS-PON (10gbps) or NG-GPON (10 or 100 Gbps) as the architecture is scalable and will support the GPON architecture.

See Attachment 1 - Project Area Map for RURALBAND interconnection points.

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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:

RURALBAND will provide a multi-tiered Fiber to the Home service offering to accommodate individual needs from a price-data speed prospective. Speeds are both dedicated bandwidth from optical GPON ports and symmetrical. RURALBAND has no data caps. Current offerings are:

25 Mbps - \$49/month; 100 Mbps - \$74/month; 1 Gbps - \$99/month

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:

This project will achieve universal broadband coverage for Prince George County. RURALBAND will use existing infrastructure to accomplish universal coverage throughout the unserved and underserved project area within Prince George County.

Through the research of the Federal Communication Commission Volume 2 Fabric Data and RURALBAND existing infrastructure, the project area selected is unserved and underserved within the County. RURALBAND will construct the necessary infrastructure filling in the gaps of the project area within the County.

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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:

This initiative aims to address the digital divide by deploying robust broadband infrastructure in underserved areas of the proposed project area. Utilizing the Federal Broadband Funding maps, RURALBAND established a project area that has significant unserved locations and is void of other funding projects. With these areas identified, RURALBAND conducted a complete rideout of the areas using GPS located 360 video and uploaded it into a mapping portal for reference during the initial project design along with other GIS data sources. Utilizing this, RURALBAND created a design that would not only provide for universal service for the unserved fabric data locations but took in account for mainline fiber capacities to hand customer count into the future.

RURALBAND has operated in this community for years and has vast experience on their own network areas, as well as expansion into the Dominion Power areas. If the project is funded, RURALBAND will utilize the existing proposed design and uploaded rideout videos to complete a final project build and splicing design. Concurrently, project make-ready and permitting applications will be made in areas previously identified. As permits and make ready completions are made, work packages will be released, tracked, constructed, spliced, and documented in an online portal viewable by all stakeholders.

RURALBAND has extensive experience with the permitting and operational aspects associated with railroad and interstate crossings. Once an official funding notice has been issued, the first permit applications will begin for the single railroad crossing and the three interstate crossings (two on I-95 and one on I-295) all in the New Bohemia community. RURALBAND currently has blanket VDOT permits for underground dip-downs past expensive make-ready poles and will adjust the design needed in as-builts. This process can also be utilized to bypass poles that had make-ready missed or performed in error by the pole owner. This will keep the project timelines on track and avoid expensive re-engineering and delays.

See Attachment – 7 Timeline Project Management Plan

See Attachment – 8 MOU.MOA between Applicant /Co-Applicant

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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:

Prince George County has not received VATI funding.

RURALBAND received a 2020 VATI grant for \$2.25M with its Surry County partnership. To date RURALBAND has designed and constructed 300.41 miles of middle mile fiber optic cable, passed 2,876 homes and businesses combined, designed and constructed 790 to the home drops and connected 790 accounts in Surry County through this partnership. This grant was for Universal Service Coverage of Surry County and this project was completed by 10/31/2021.

RURALBAND has also received VATI grants for extending fiber to Sussex County. The Sussex project will achieve Universal Fiber to the Home broadband coverage for Sussex County. There are an estimated total of 2,267 passings. There are 2,223 residential passings, 33 business passings, and 11 community anchors in the Sussex project area.

RURALBAND has received VATI grants for Dinwiddie County. This project encompasses 1,622 passings. The project entailed unforeseen and undiscovered roadblocks that made it impossible to complete within the set financial parameters. In partnership with Dinwiddie County, River Street, and DHCD, RURALBAND is working towards a solution to get these communities the service opportunities they deserve.

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:

Match funding will be provided by County appropriations, RURALBAND (ISP) and Cameron Foundation. The County will use meals tax generated to support Economic Development to further broadband expansion to underserved and unserved areas. The County Board of Supervisors gave authority to apply to the VATI program on December 12th, 2023 (Attached Resolution). The County has expended \$49,000 for project area design and application administration. The Cameron Foundation has committed \$193,607 to the County as a portion of the 10% required. RURALBAND, commits their ten percent match of the project with funds to soft costs and construction (Attached Letter).

See attachment 9 - Funding Sources Table

See attachment 10 - Documentation of Match Funding

See attachment 11 - Prior Expended Match Form

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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:

In 2022, RURALBAND received Connect America Funding and Rural Digital Opportunity Funding to build out fiber network within the Prince George Electric Cooperative system. This project would build off of the federal funding received to provide accessibility to 528 unserved units in Prince George County. RURALBAND has had previous partnerships with Dominion Energy being the middle-mile provider for areas outside of their network. The project is using existing RURALBAND fiber infrastructure to expand service to unserved areas. The connection points can be found in Attachment 1 – Project Area Map.

15. Communications Plan: Describe efforts to keep the public informed of project progress and the broadband adoption plan.

a. 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)

b. 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)

c. 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:

The County will provide support for the project by assisting with acquisition permits. The County will also assist with local marketing of the availability of broadband to residents and businesses. RURALBAND will work with additional partners to provide updates and availability through various channels of communication.

a. Stakeholders will be updated every month with project metrics i.e. passings, permitting, construction status, customer activations. County leadership will receive project updates by RURALBAND quarterly at County board meetings. Project area residents will be given notice of eligibility for applications and interest. RURALBAND will hold public meetings to share information on the project.

b: RURALBAND utilizes a third-party internet sales platform that is embedded onto RURALBAND's dedicated website. The availability for service addresses to electronically apply for service is driven by opened shapefiles within the platform to determine eligibility. Residents can complete the service application on the portal or request a hard copy. RURALBAND has built a robust dedicated website at www.ruralband.coop, where all aspects of the internet offerings can be accessed – including interactive maps indicating areas of availability and progress on buildout areas. RURALBAND will send direct communications to all service addresses informing residents of service and directing them to the website for additional information. RURALBAND's program details are also communicated via several social media platforms and our local office maintains a member services staff to field program inquires.

RURALBAND estimates the take rate for the project is 43% as demonstrated in other rural communities served. The take rate was determined by averaging the number of passings/connections in other surrounding rural localities (Surry, Prince George, Sussex) RURALBAND currently serves. Marketing efforts proposed for continued implementation for the broadband project include an aggressive direct mail campaign, community meetings and outreach through RURALBAND sales department. Additionally, advertising and marketing through social and traditional media will be ongoing, as well as mail inserts for PGEC existing electrical utility customers.

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C. Prince George County will partner with local libraries and workforce development initiatives to support digital learning within the community. RURALBAND will support local activities to help residents understand best practices for utilizing broadband service, TV streaming, social media, email utilization, and educational opportunities. RURALBAND is actively engaged in local outreach activities, including but not limited to, school events, community fairs, Rotary Clubs, Chamber of Commerce involvement, etc.

The Prince George Library which is a part of the Appomattox Regional Library System makes available structured, self-paced, online video/texted digital literacy classes through its Niche Academy links and through the online Universal Class database. The courses in Niche Academy and Universal Class cover all the topics that the library would have provided in group digital literacy programs in the past. The library offers one-on-one assistance for learning technology through its Book-a-Librarian service. Individuals needing assistance or wanting to learn about the library's digital resources can make an appointment with one of the librarians for instruction.

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:

Sarat Yellipeddi, RURALBAND

President & CEO- Will provide a high level of oversight, providing knowledge and experience while executing other duties ensuring the success of the project.

Justin Harville, RURALBAND

General Manager- Will be overall responsible for the project. Justin will provide support at all levels. Justin will work with the localities directly communicating updates and progress reports. Justin will support the project with overall experience and knowledge.

Jake Orn, RURALBAND

Engineer - Will be responsible for the operations at PGEC, will work with providing necessary cooperative support for RURALBAND. Jake will work on IT front providing RURALBAND support as well.

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Walter Chappell, RURALBAND

VP of Operations- Will be responsible for coordinating operations resources and support from the cooperative. Walter will work closely with RURALBAND Manager of Engineering and Operations.

Yoti Jabri

Director of Economic Development and Tourism

Prince George County

Will serve as Project Administrator for the VATI project.

Makayla Christensen

Economic Development and Tourism Specialist

Prince George County

Will serve as support Project Manager for the VATI project.

The grant management process will be completed through a cooperative effort between RURALBAND and Prince George County. RURALBAND has experience in this process through a previously awarded VATI grant. RURALBAND is well versed in the construction of broadband facilities as it currently provides coverage in portions of Sussex County, Prince George County and Surry County. RURALBAND has built a reliable and efficient contractor base capable of meeting the needs of this project. RURALBAND has dedicated contract staff to ensure the engineering and design aspects as well as any required permitting is completed on schedule and meets the standards set forth. RURALBAND will use current contract employees in the execution of the construction phase. The current contract staff has performed to or above standards on previous projects providing broadband coverage to the rural communities on Prince George Electric Cooperative and Dominion Energy electric systems. The RURALBAND staff will provide extensive industry knowledge in the design and construction process. RURALBAND staff will provide the necessary oversight in the execution of the contract pertaining to contract construction and design work. Prince George County and RURALBAND will meet monthly either virtually or in person. RURALBAND will provide to Prince George County project status updates and milestone completion updates. Prince George County will be responsible for updating the monthly status and milestones completed in the CAMS portal. Prince George County has experience in CAMS with previous grants such as the Industrial Development Fund program and the Enterprise Zone program. Mr. Jabri served as project administrator for a VATI grant received by Surry County.

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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 project estimates and budget figures have been compiled from a variety of sources. The primary basis for material costs is derived from historical material purchases across previous and ongoing projects. Material estimates also account for anticipated adjustments in future costs, particularly those likely to be influenced by product availability from other funding programs (BEAD). Labor rates have been computed using historical data, with additional considerations for labor shortages affected by BEAD funding.

RURALBAND maintains ongoing communication with vendors regarding upcoming project opportunities to facilitate material and contractor procurement. Through these interactions, the aim is to sustain involvement of skilled and experienced crews while assisting distributors in accurately forecasting material needs.

Please see attachment 12 - Derivation of Costs

Please see attachment 13 - Documentation of Supporting Costs Estimates

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:
- Total VATI funding request
 - Number of serviceable units (up to 125 points)

Answer:

a. \$3,097,712

b. 528

Cost benefit - \$5,866.88 per passing

19. Commonwealth Priorities (Up to 50 points)

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

- 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.
- Unique partnerships involved in the proposed project. Examples include electric utilities, universities, and federal/state agencies.
- 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
- 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.
- 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.

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Answer:

a. Prince George County is growing in residents and businesses which leads to more of a demand of high-speed internet access. Per the Census, Prince George County had an increased percentage change of 20% from the 2010 census. UVA Weldon Cooper estimates an increase in the County's population to 49,574 in 2030, surpassing the City of Charlottesville. For the past five years, the County continues to increase in business licenses: 2022-2338, 2021-2460, 2020-2419, 2019-2342, and 2018-2153. Per the Commissioner of the Revenue, home-based business licenses account for more than 60% of all business licenses in the County.

Our County encompasses 282 square miles leading to very few to no internet service provider options in less populated areas. Per the Department of Housing and Community Development, the proposed project areas the County and Ruralband have identified are either unserved or underserved. Unserved and underserved areas create a drastic disadvantage for those residents and businesses.

Based on VATI and FCC mapping, the County will have universal coverage at the end of this project fulfilling the Commonwealth's goal in leaving no citizens or businesses without access to broadband.

Civic organizations, businesses and residents will be empowered with the ability to support the surrounding communities at yet a higher level with access to broadband. Given the recent pandemic, organizations will have the opportunity to stay connected with those in which they support. Businesses, previously not connected, will benefit by the ability to provide online shopping options and adapt to the new age of ecommerce. Medical providers will be capable of providing virtual medicine options to support the area and surrounding communities.

b. The Cameron Foundation - the partnership between Prince George County County and the Cameron Foundation will provide the additional financial support to expedite this deployment to meet the immediate needs of the citizens of Prince George County. This partnership will ensure the health and welfare of the citizens of the County and the surrounding areas in which health care providers in the County support. The Virginia Department of Transportation and RURALBAND currently have active Blanket Land Use Permits within the project area that supports a timely and efficient process during all phases of the project.

Through the above partnerships and a cooperative effort, universal coverage for the County will be a success and completed in a timely manner.

c. RURALBAND gives members access to fast and reliable internet access at affordable prices. For only \$49.00 per month, RURALBAND offers 25 mbps download/upload, home Wi-Fi access is included and unlimited data use. The next tier is 100 mbps download/upload, Wi-Fi access is included and unlimited data usage for \$74.00 per month. The highest tier is 1 gigabit download/upload, Wi-Fi access is included and with unlimited data usage for \$99.00 per month. Pricing at each tier includes taxes and fees.

Members of RURALBAND may be eligible to receive a discount of up to \$9.25 for telephone, internet, or bundled service through the Lifeline Program. The Lifeline Program is the Federal Communications Commission's program to help make communications services more affordable for low-income consumers. Lifeline provides eligible subscribers a discount on the monthly telephone, broadband, or bundled telephone and broadband service purchased from participating providers in the marketplace.

RURALBAND also assists members with the Affordable Connectivity Program that is a Federal Communications Commission (FCC) Program that provides a monthly discount on internet service for qualifying households.

Lastly, RURALBAND offers a Line Extension Program to members within 1,000 feet from the service accessibility point allowing more users to broadband internet with lower startup fees.

D. These processes will be started as early in the project as possible to mitigate and potential issues related to them.

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E. The Prince George County branch of the Appomattox Regional Library System, a partner of Prince George County, offers many resources to members that enhance media and technology literacy and provide resources in entrepreneurship, learning, and health in order to create a thriving community. Some of these resources include children's research platforms, such as Explora and Kid's Infobits, reading and grammar programs like Read It!, and access to thousands of courses ranging from parenting information to Microsoft Excel training through Universal Class. The library system also offers FinancialFit, a financial literacy program, and Accel5, which can help users improve their leadership and professional development, as well as offering business resources for entrepreneurs. To ensure that users are able to adopt changing technologies with ease so that these resources can be fully utilized, they also offer a database of technology tutorials and webinars through Niche Academy.

The co-applicant, RURALBAND, provides several outreach events after implementation to ensure that citizens are aware of the availability of broadband in their area and to aid in the process of connecting.

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:

Letters of Support are in Attachment 14 - Letters of Support.

Attachments:

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Map(s) of project area, including proposed infrastructure

Attachment1ProjectAreaMap1218202334630.pdf

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

Attachment2DocumentationofFederalFundingArea1215202332846.pdf

Documentation that proposed project area is unserved based on VATI criteria

Attachment3VATIUnservedAreaMap1215202332907.pdf

Timeline/Project Management Plan

Attachment7TimelineandProjectManagementPlan1215202332818.pdf

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

Attachment8MOUMOAbetweenApplicantCoApplicant12192023110408.pdf

Documentation of Supporting Cost Estimates

Attachment13DocumentationofSupportingCostEstimates12182023104453.pdf

Letters of Support

Attachment14LettersOfSupport12182023113534.pdf

Two most recent Form 477 submitted to the FCC or equivalent

Attachment15TwoMostRecentForm4771215202333045.pdf

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

Attachment16PointsandPolygons1215202390742.zip

Documentation of Match Funding

Attachment10DocumentationofMatchFunding1219202395204.pdf

Derivation of Cost/Project Budget (Use template provided)

Attachment12DerivationofCosts12192023114407.pdf

Application to DHCD Submitted through CAMS

Prince George County

Prince George County Broadband Project

Funding Sources Table (Use template provided)

Attachment9FundingSourcesTable1215202333256.pdf

Prior Expended Match Form (use template provided)

Attachment11PriorExpendedMatchForm1218202383136.pdf

Passings Form (Use template provided)

Attachment4PassingsForm12182023120140.pdf

Documentation of RDOF awarded area in VATI project Area (Use template provided)

Attachment5RDOFAwardedAreas12182023104836.pdf

VATI 2024

Supplemental Application Question

Applicant: Prince George County

Project Name: Prince George County Broadband Project

The question below is question e. from the Commonwealth Priorities section of the 2024 Virginia Telecommunication Initiative (VATI) Guidelines. Please answer the question using this form and email to VATI@dhcd.virginia.gov.

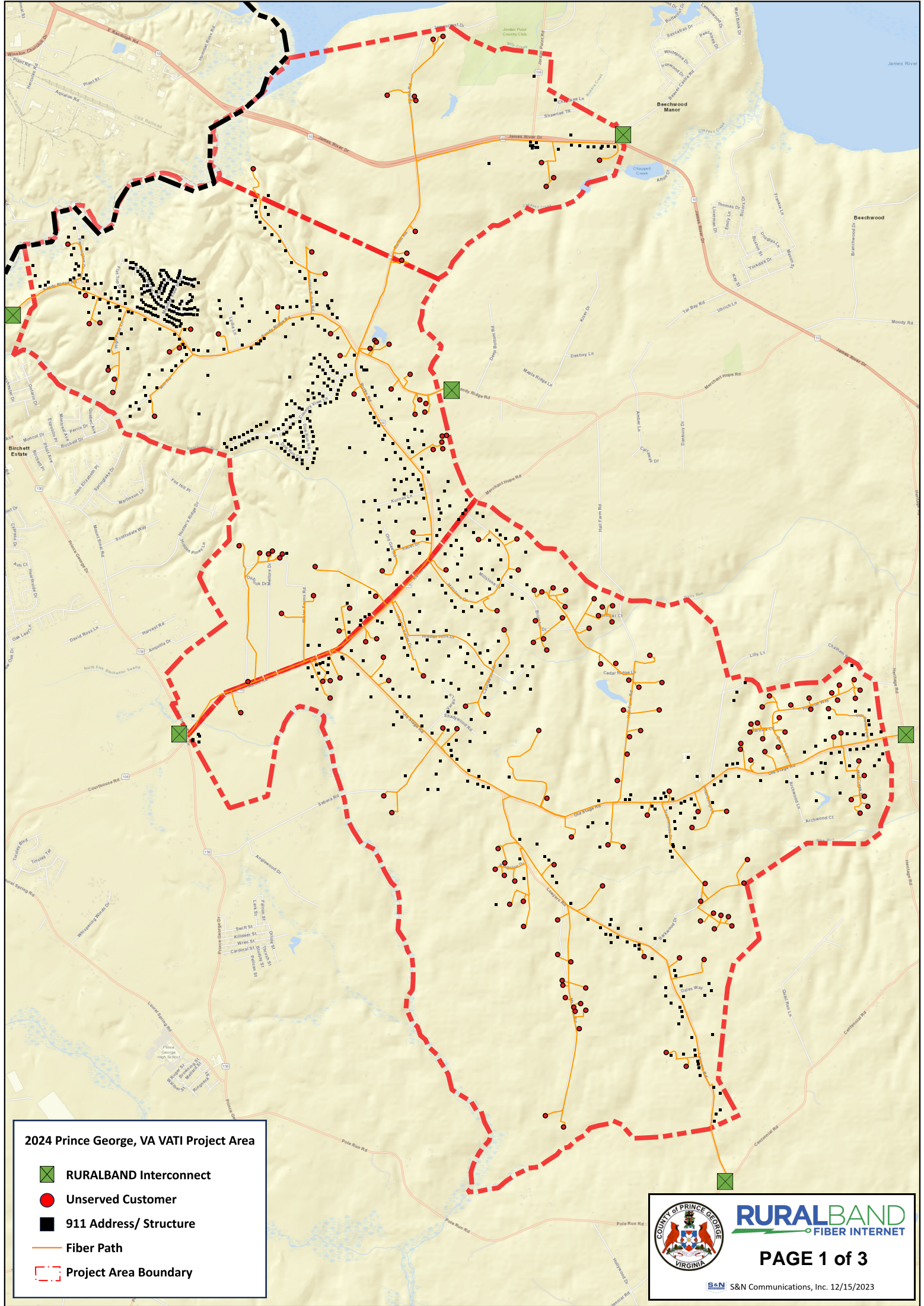
Commonwealth Priorities

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






e. The co-applicant’s effort to mitigate costs and delays that may be associated with make-ready and other permitting requirements anticipated for network deployment.

RURALBAND strives to identify make-ready scenarios early in the project, during the engineering phase to allow time for work to be completed and mitigate delays. In an effort to limit costs on make-ready, we analyze each individual situation to see if there are any alternative engineering and construction solutions that can be utilized to decrease financial impacts, i.e. obtaining private easements or VDOT permits, and changing the construction design from overhead to underground where feasible.

Permitting costs are set by the entity in which we are applying with, we do however, work to identify permit needs well ahead of the needed time to prevent situations of construction waiting on permit approval.



2024 Prince George, VA VATI Project Area






-  RURALBAND Interconnect
-  Unserved Customer
-  911 Address/ Structure
-  Fiber Path
-  Project Area Boundary

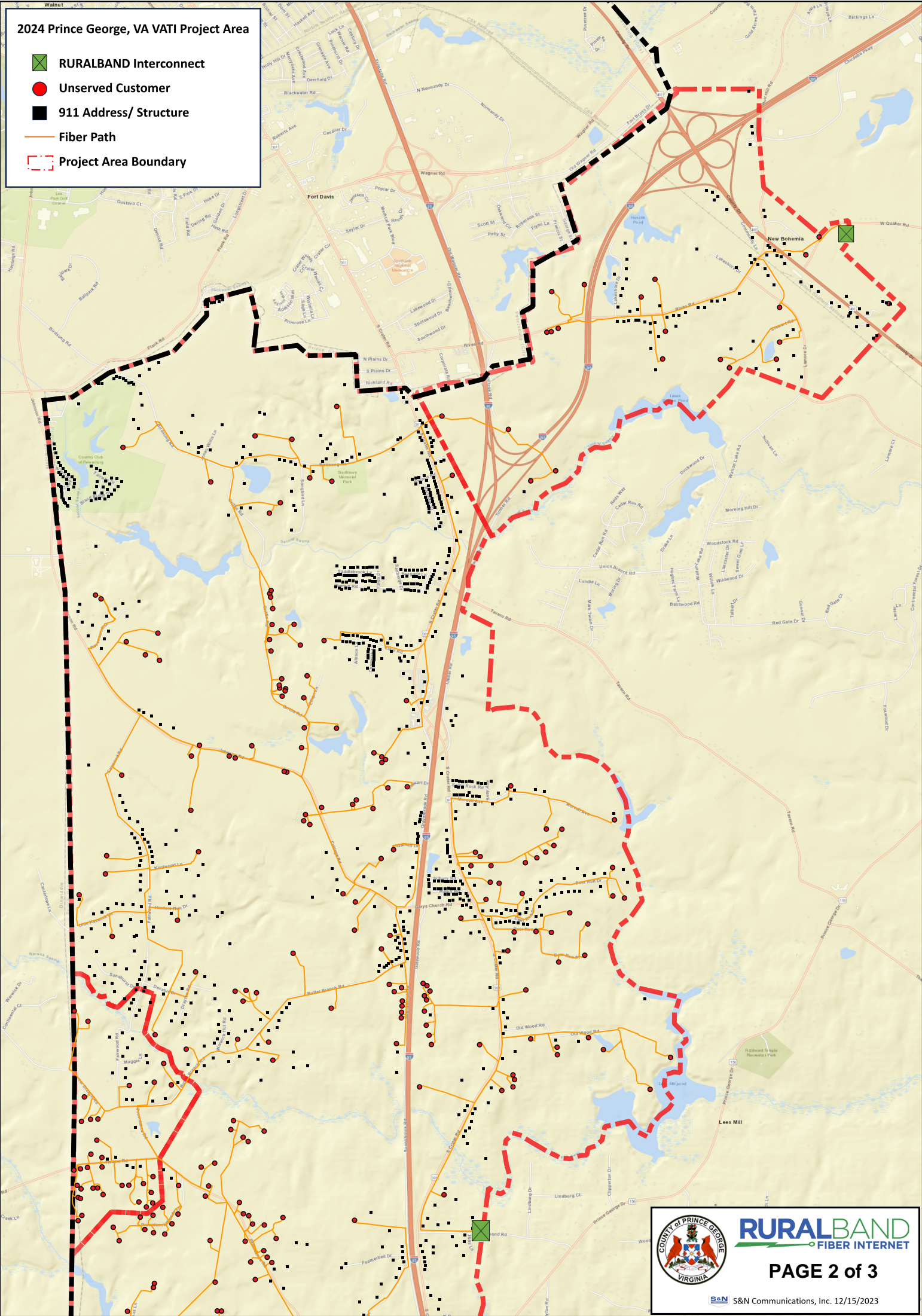


RURALBAND
FIBER INTERNET

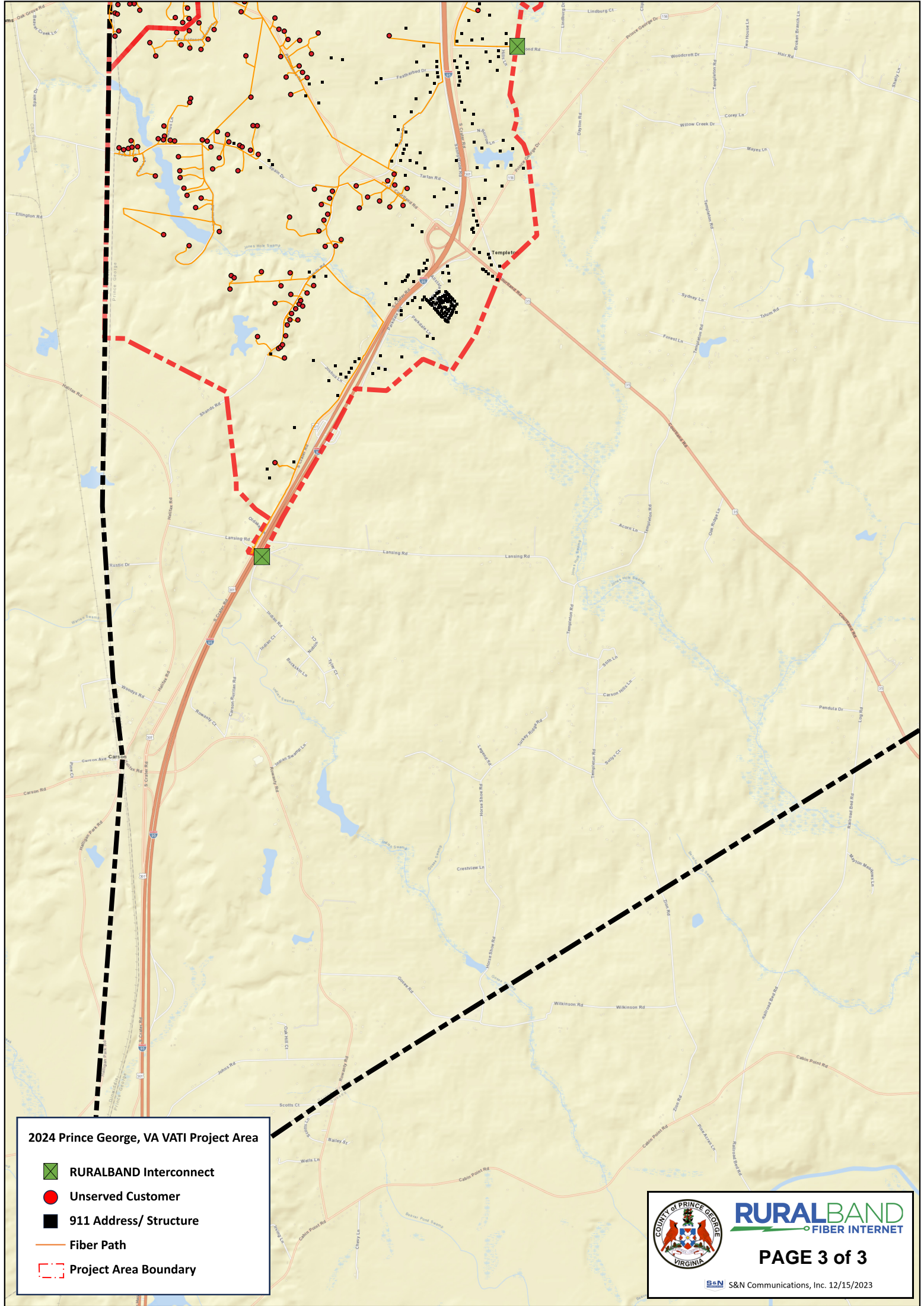
PAGE 1 of 3

2024 Prince George, VA VATI Project Area






-  RURALBAND Interconnect
-  Unserved Customer
-  911 Address/ Structure
-  Fiber Path
-  Project Area Boundary



RURALBAND
FIBER INTERNET

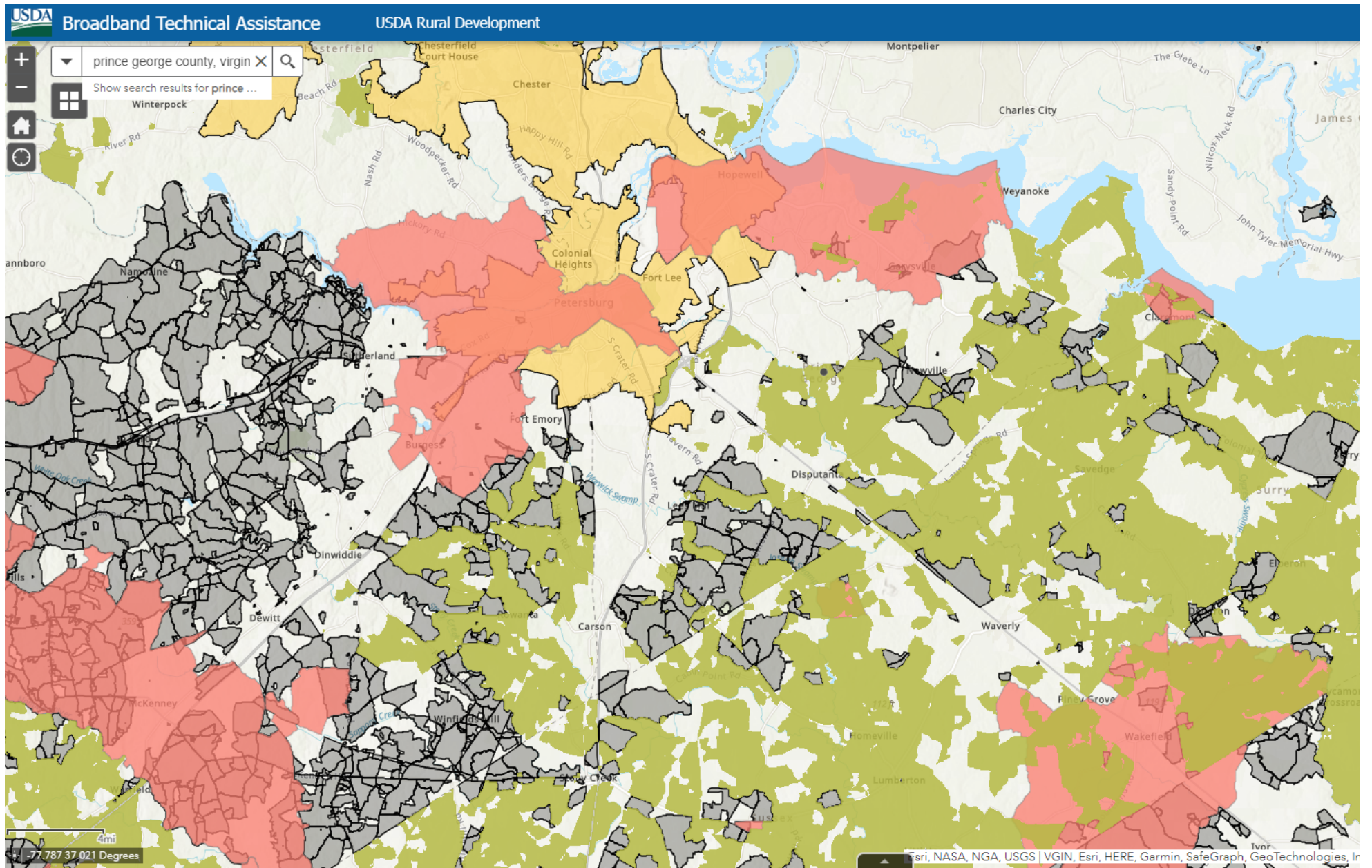


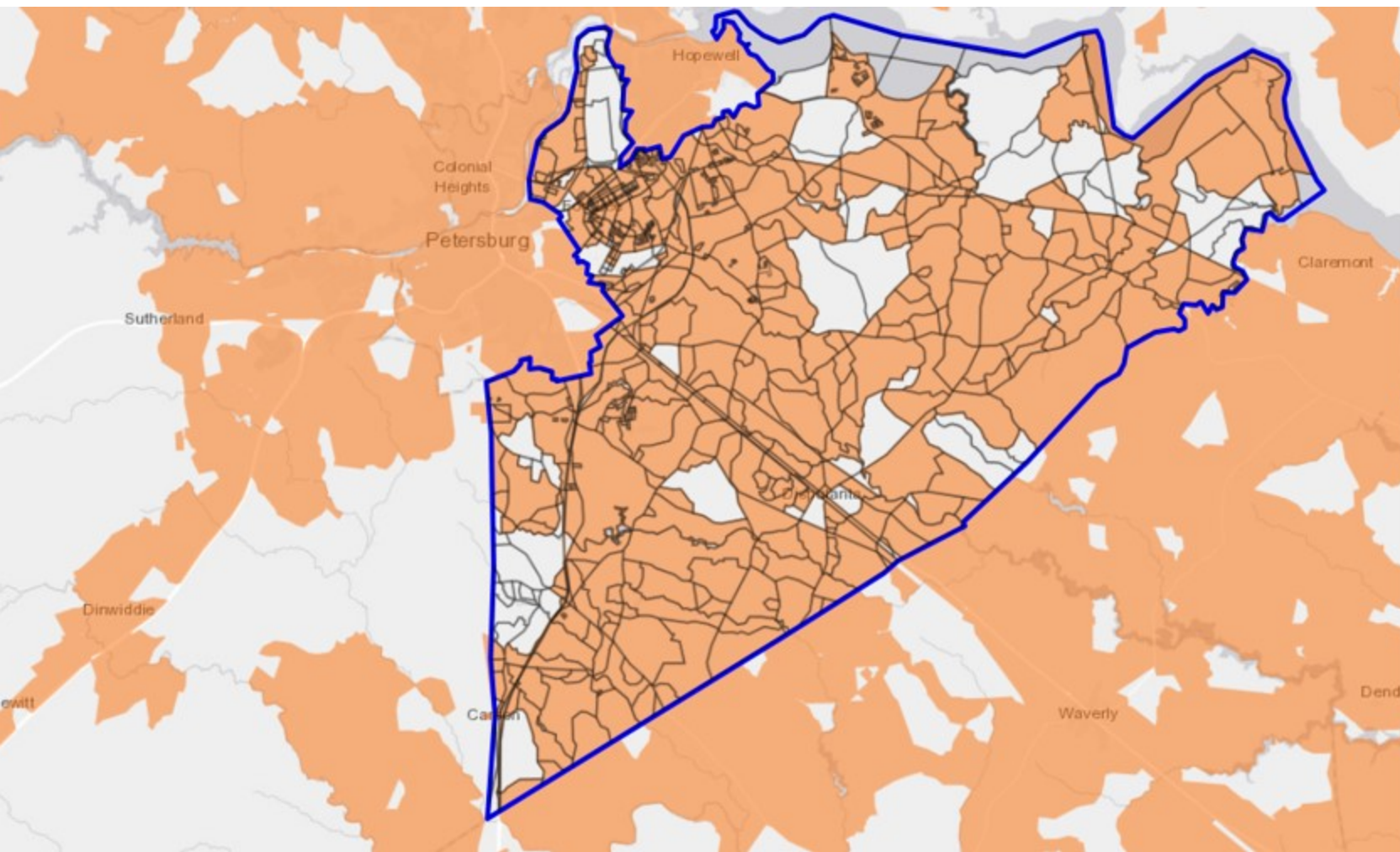
2024 Prince George, VA VATI Project Area

-  RURALBAND Interconnect
-  Unserved Customer
-  911 Address/ Structure
-  Fiber Path
-  Project Area Boundary



RURALBAND
FIBER INTERNET





LEGEND

Broadband Coverage

● Virginia

Speed Filter

↓100 mbps / ↑20 mbps

Technology Filter

All Technologies

Percentage Filter

80%

Boundaries

Census Blocks 2020

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	470		470	470
Businesses (non-home based)	36		36	36
Businesses (home-based)	9		9	9
Community Anchors	2		2	2
Non-residential	11		11	11
Total	528		528	528

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.

2023 Virginia Telecommunication Initiative (VATI)

RDOF Passings Form

Type of Passings	Total Number of Passings in the Project Area that lie within Preliminarily Awarded RDOF Areas ¹
Residential	0
Businesses (non-home based)	0
Businesses (home-based)	0
Community Anchors	0
Non-residential	0
Total Number of RDOF Passings	0

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

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.

DATE	Fiber Design Engineering	Make-Ready Construction	Fiber Construction	Splicing and Service Drop	Home Installations
2024 June	<i>Begin Design</i>				
July					
August					
September		<i>Begin Make Ready</i>			
October					
Novemeber					
December			<i>Begin Construction</i>		
2025 January				<i>Begin Service Drop Install</i>	<i>Begin Home Installs</i>
Februrary	<i>Complete Design</i>				
March					
April					
May					
June					
July					
August					
September					
October					
Novemeber					
December		<i>Complete Make Ready</i>			
2026 January					
Februrary					
March					
April			<i>Complete Construction</i>	<i>Complete Service Drop Installs</i>	<i>Complete Home Installs</i>

THE COUNTY OF PRINCE GEORGE, VIRGINIA

BROADBAND EXPANSION
PERFORMANCE AGREEMENT

This **PERFORMANCE AGREEMENT** made and entered this ____ day of _____, 2023, by and among **THE COUNTY OF PRINCE GEORGE, VIRGINIA** (the “County”) a political subdivision of the Commonwealth of Virginia, **PGECE ENTERPRISES, LLC** (“PGECE”), doing business as RURALBAND, a Virginia limited liability company authorized to transact business in the Commonwealth of Virginia, and the **ECONOMIC DEVELOPMENT AUTHORITY OF THE COUNTY OF PRINCE GEORGE, VIRGINIA** (the “Authority”), a political subdivision of the Commonwealth of Virginia,

WITNESSETH:

WHEREAS the extension of broadband provides enhanced educational opportunities and furthers workforce development which supports economic development in Prince George County; and

WHEREAS the availability of secure, reliable, competitive and sustainable infrastructure is essential to meet future broadband needs; and

WHEREAS small and medium size business enterprises with greater high-speed internet use grow faster than those with less high-speed internet use; and

WHEREAS the internet is a powerful catalyst for job creation; and

WHEREAS the internet drives economic modernization; and

WHEREAS the County and Authority wish to make funds available for the purpose of inducing PGECE to expand access to broadband; and

WHEREAS the County, with the assistance of PGECE as co-applicants, submitted an application to the Department of Housing and Community Development (“DHCD”) for funding to expand fiber to the home to areas not currently served by a broadband provider in the County; and

WHEREAS the aforementioned DHCD application contained a request by the County of Three Million Ninety-Seven Thousand Seven Hundred Twelve Dollars (\$3,097,712) of funding through the Virginia Telecommunication Initiative Program (VATI); and

WHEREAS on _____ DHCD announced that it offered the County a Three Million Ninety-Seven Thousand Seven Hundred Twelve Dollars (\$3,097,712) grant under the VATI program in response to the application of the County; and

WHEREAS as a condition of VATI, the County agrees to provide a ten percent (10%) match and PGECE, internet service provider, agrees to provide a ten percent (10%) match in the

amount of Three Hundred Eighty-Seven Thousand Two Hundred Fourteen (\$387,214) each for a total of Seven Hundred Seventy-Four Thousand Four Hundred Twenty-Eight (\$774,428) “Grant Funds;” and

WHEREAS pursuant to the terms of the VATI grant, an estimated 470 residences, 45 businesses, 2 community anchors and 11 non-residential units are located in the VATI territory of the County which is shown on the map attached hereto as Exhibit A which will gain internet access to broadband service up to 1G download/1G upload; and

WHEREAS the total passings of the project is to be 1,260, that includes served and unserved units

WHEREAS the grant agreement between DHCD and the County (the “DHCD Agreement”) will impose certain responsibilities on the County in accepting the VATI grant; and

WHEREAS the County, the Authority and PGECE desire to set forth their understanding and agreement as to the payout of the Grant, the use of the proceeds of the Grant, the obligations of PGECE; and

WHEREAS as contemplated in the DHCD application for funding submitted by Prince George County, the County, the Authority and PGECE wish to outline the responsibilities of the Parties.

NOW THEREFORE, in consideration of the foregoing, the mutual benefits, promises and undertakings of the Parties to this Agreement, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties covenant and agree as follows:

Section 1 – Recitals

The recitals listed above are hereby incorporated by reference.

Section 2 – Definitions

For the purposes of this Agreement, the following terms shall have the following definitions:

- (a) “Broadband Availability” shall mean the availability of the connection necessary to access broadband for structures that are within one thousand feet of a VDOT road where an existing PG Electric pole or other access point is located.
- (b) “Broadband” shall mean a minimum broadband speed of twenty-five (25) Mbps down and three (3) Mbps up and up to 1G download/1G upload as defined by the FCC.
- (c) “Consistent” shall mean ability of the Broadband Service to maintain promised speeds at periods of peak use.
- (d) “Passings” shall mean the number of residences/business serviceable units that will

have access to broadband fiber connectivity.

(e) “Reliable” shall mean the ability to maintain service in the case of storms or system breakdowns consistent with industry standards for a rural fiber optic network.

(f) “Event of Force Majeure” any circumstances beyond a party’s reasonable control, including acts of God, flood, fire, earthquake or explosion, war, terrorism, invasion, riot or other civil unrest, embargoes or blockades in effect on or after the date of this Agreement, national or regional emergency, strikes, labor stoppages, shortages or slowdowns or other industrial disturbances, passage of law or any action taken by a governmental or public authority, including but not limited to imposing an embargo, export or import restriction, quota or other restriction or prohibition or any complete or partial government shutdown, or national or regional shortage of adequate power, telecommunications or transportation.

(g) “Roadway” a road that is part of the Virginia Department of Transportation (VDOT) secondary system, which is immediately adjacent to a fiber network access point owned by Prince George Electric Cooperative.

Section 3 – Scope of Work

PGECE shall provide to the Authority a broadband installation plan in substantial conformity with the attached map, entitled “ _____,” dated _____. The broadband installation plan shall include, but not be limited to, the locations where PGECE proposes to install broadband infrastructure, the types of materials proposed to be used, and the capacity and lifespan of the materials.

PGECE shall perform and complete the project described herein including but not limited to installation of approximately ____ miles of fiber optic cable and purchase and install necessary electronic equipment required to make available consistent and reliable broadband service to an estimated ____ businesses and residences in the VATI area of the County as demonstrated in the Exhibit A map, with up to 1G download/1G upload on or before _____ .

Section 4 - Contract Documents.

The Contract Documents shall consist of this Agreement, along with the following exhibits (collectively, “Contract Documents”) which are attached hereto and incorporated herein (and not listed in order of precedence):

1. Exhibit A- VATI coverage map
2. Exhibit B- the DHCD Agreement (Grant Contract Number VATI #), and Terms and Conditions, with DHCD and Prince George County as the only Parties to the Agreement
3. Exhibit C-the submitted application
4. Exhibit D- project management schedule and budget

Section 5 – Term

The work as described in this Agreement shall commence upon execution of this Agreement and said work shall be completed on or before _____ as required under the terms of this Agreement.

Section 6 - Disbursement of Grant

(a) Notwithstanding anything in this Agreement to the contrary, the Authority will not have any obligation to disburse any portion of the Grant under this Agreement until and unless this Agreement is approved by the County’s Board of Supervisors and the Authority has received such funds from the County.

(b) Subject to the delivery of the Grant by the County to the Authority, within thirty (30) days of its receipt of the Grant funds, the Authority will disburse the Grant funds to PGECE on condition that PGECE has complied with Section 2 of this Agreement.

The total project cost is anticipated to be Three Million Eight Hundred Seventy-Two Thousand One Hundred Fourth (\$3,872,140) comprised of the following:

VATI contribution \$3,097,712
County local match \$387,214
PGECE ISP Match \$387,214

(c) PGECE agrees to use the Grant Funds in accordance with the terms and conditions in this Agreement.

(d) All Parties acknowledge and understand that performance of this project and payment of Grant Funds to Grantee under the terms of the DHCD Agreement are contingent upon execution of the DHCD Agreement by the County and upon payment of the funds to the County through VATI. Payments to PGECE pursuant to this Agreement are subject to the appropriation of funds by the County to the Authority in accordance with the payment process outlined in Paragraph 9. of this Agreement.

Section 7 - Process of Payment by the County and Authority to PGECE.

PGECE shall submit monthly invoices and supporting documentation to the County for payment to PGECE for the project during the construction phase subject to the following:

(a) The County shall review and verify all pay requests from PGECE and verify that preconstruction or construction work has been completed or equipment has been ordered and received prior to distributing funds.

(b) The County shall have thirty (30) days after its receipt of pay requests from PGECE, to verify any billed preconstruction and/or construction has been completed and billed equipment orders have been received by PGECE, to deliver the requested payment of Grant Funds by the County to the Authority.

(c) Subject to the delivery of the Grant Funds by the County to the Authority and within seven (7) days of its receipt of the Grant Funds, the Authority shall disburse the

Grant Funds to PGECE.

(d) The Authority will not have any obligation to disburse any portion of the Grant Funds provided for in this Agreement until and unless the Authority has received such funds from the County.

(e) PGECE agrees to complete the Project on or before _____. In the event PGECE fails to complete the Project described in this Agreement on or before the completion date or any extension or extensions thereof, PGECE shall not be required to return any funds paid to PGECE under the Terms of the Agreement.

9. Speed Validation Data. PGECE shall provide information to the County and DHCD, when requested, of subscribers and speed package selected, as well as speed validation data to ensure that the proposed outcomes have been met and broadband speeds meet VATI criteria.

Section 8 - Default

After the effective date of this Agreement, if PGECE fails to make available consistent and reliable broadband service, then PGECE shall be in default and shall refund to the Authority _____ for each subscriber not provided consistent and reliable broadband service.

Section 9 - Event of Force Majeure

PGECE shall not be considered in Default under Section 8 – Default, of this Agreement if prevented from meeting the new subscription requirements of this Agreement on account of an Event of Force Majeure as defined herein. If such occurs, PGECE shall be allowed a reasonable extension of time from the date of the occurrence of such Event, to allow PGECE to meet the required subscription objective.

Section 10 – Sale or Assignment of PGECE

In the event of a sale or assignment of PGEC Enterprises, LLC to any person, firm or corporation prior to PGECE’s fulfillment of its obligations under the terms of this Agreement, such sale or assignment shall be made expressly subject to all terms of this Agreement.

Section 11 - Discharge by PGECE of Contract Obligations

All parties hereto understand and agree that as of the date PGECE has installed and made available, consistent and reliable broadband service to a minimum of _____ new subscriber structures, after the effective date of this Agreement and has provided reasonable documentation to the County and to the Authority verifying same, PGECE shall have satisfied in full all of the requirements of it under the terms of this Agreement and shall be discharged from any further obligations to the County and to the Authority hereunder.

Section 12 - Miscellaneous

(a) *Entire Agreement; Amendments:* This Agreement constitutes the entire agreement among the parties and may not be amended or modified, except in writing, signed by each of the parties hereto. Other than this Agreement, PGECE shall not be required to enter into any additional agreements or submit any additional application letters in order to receive the Grant.

(b) *Governing Law; Venue:* This Agreement is made, and is intended to be performed, in the Commonwealth of Virginia and shall be construed and enforced by the laws of the Commonwealth of Virginia without regard to its conflict of laws provisions.

(c) *Counterparts:* This Agreement may be executed in one or more counterparts, each of which shall be an original, and all of which together shall be one and the same instrument.

(d) *Severability:* If any provision of this Agreement is determined to be unenforceable, invalid or illegal, then the enforceability, validity and legality of the remaining provisions will not in any way be affected or impaired, and such provision will be deemed to be restated to reflect the original intentions of the parties as nearly as possible in accordance with applicable law.

Section 13 - Notices

Any notices required or permitted under this Agreement shall be given in writing, and shall be deemed to be received upon receipt or refusal after mailing of the same in the United States Mail by certified mail, postage fully pre-paid or by overnight courier (refusal shall mean return of certified mail or overnight courier package not accepted by the addressee):

if to PGECE, to:
Sarat Yellepeddi
PGECE Enterprises, LLC
7103 General Mahone Hwy
Waverly, Virginia 23890

with copy to:
F. Lewis Wyche, Jr., Esquire
F. Lewis Wyche, Jr., P.C.
6405 Courthouse Road
Post Office Box 160
Prince George, Virginia 23875

and:
C. J. Berkeley Horne, Esquire
LeClair Ryan
919 East Main Street, 24th Floor
Richmond, Virginia 23219

if to the County, to:
Jeff Stoke, County Administrator
County of Prince George
6602 Courts Drive, 3rd Floor
Post Office Box 68
Prince George, Virginia 23875-0068

with copy to:
Andrea Erard, Esquire
Prince George County Attorney
6602 Courts Drive, 3rd Floor
Post Office Box 68
Prince George, Virginia 23875-0068

if to the Authority, to:
Panayiotis (Yoti) Jabri, Assistant Secretary
Economic Development Authority of the
County of Prince George, Virginia
6602 Courts Drive, 3rd Floor
Post Office Box 68
Prince George, Virginia 23875-0068

with copy to:
David L. Richardson, Esquire
McGuire Woods LLP
Gateway Plaza
800 East Canal Street
Richmond, Virginia 23219-3916

IN WITNESS WHEREOF, the parties hereto have executed this Performance Agreement as of the date first written above.

COUNTY OF PRINCE GEORGE, VIRGINIA, a political subdivision of the Commonwealth of Virginia

By _____

Name: _____

Title: _____

Date: _____

PGEC ENTERPRISES, LLC, a Virginia limited liability company

By _____

Name: _____

Title: _____

Date: _____

ECONOMIC DEVELOPMENT AUTHORITY OF THE COUNTY OF PRINCE GEORGE, VIRGINIA, a political subdivision of the Commonwealth of Virginia

By _____

Name: _____

Title: _____

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	\$ 3097712	80	Pending
COUNTY	\$338,214	8.7	Secured
COUNTY	\$49,000	1.3	Paid
RURALBAND	\$387,214	10	Secured
	\$		
	\$		
TOTAL	\$ 3,872,140.00	100	



December 18, 2023

Tamarah Holmes, Ph.D.

Director, Office of Broadband

Virginia Department of Housing and Community Development

600 East Main Street, Suite 300

Richmond, VA 23219

RE: Virginia Telecommunication Initiative Grant Application – Letter of commitment and funding match for RURALDAND

Dr. Holmes:

On behalf of PGEC Enterprises, LLC dba RURALBAND, please accept this letter as our commitment to:

- Engineer, construct, operate, maintain, and own the fiber facilities in relation to this project.
- Provide a monetary match of 10% of the total VATI funding/grant (excluding any other funding resources like county, Cameron foundation etc.).

Sincerely,

A handwritten signature in black ink, appearing to read "Sarat K. Yellepeddi".

Sarat K. Yellepeddi

President and CEO

Prince George Electric Cooperative

PGEC Enterprises (RURALBAND)

Board of Supervisors
County of Prince George, Virginia

Resolution

At a regular meeting of the Board of Supervisors of the County of Prince George held in the Boardroom, Third Floor, County Administration Building, 6602 Courts Drive, Prince George, Virginia, this 12th day of December 2023:

<u>Present:</u>	<u>Vote:</u>
Donald Hunter, Chairman	Aye
T. J. Webb, Vice-Chairman	Aye
Floyd M. Brown, Jr	Aye
Alan R. Carmichael	Aye
Marlene J. Waymack	Aye

On motion of Mr. Carmichael, seconded by Mr. Webb, which carried unanimously, the following Resolution was adopted:

RESOLUTION: AUTHORITY TO APPLY FOR THE VIRGINIA DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT'S VIRGINIA TELECOMMUNICATION INITIATIVE PROGRAM

WHEREAS, on September 13, 2022, the Board of Supervisors approved the 2022 County Strategic Plan that identifies broadband expansion as a strategic priority for infrastructure upgrades, economic development and prosperity; and

WHEREAS, Virginia Telecommunications Initiative through the Virginia Department of Housing and Community Development aims to extend broadband service to unserved and underserved areas; and

WHEREAS, funding to assist in providing broadband access to unserved and underserved areas will assist with small business development, telehealth care to elderly citizens and give children the ability to research, complete schoolwork and attend college online from home versus commuting to shared Wi-Fi hotspots; and

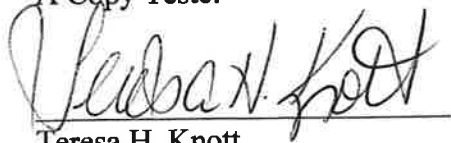
WHEREAS, the Department of Economic Development and Tourism asks to apply for the Virginia Telecommunications Initiative Program in the amount of \$3,872,140 that will require a ten percent match of by the County from the Economic Development Unreserved Funds totaling \$387,214; and

WHEREAS, an estimated 1,260 residences and business units are in the project area that will gain internet access to broadband service up to 1G download/1G upload; and

NOW, THEREFORE BE IT RESOLVED, that the Board of Supervisors of the County

of Prince George this 12th day of December 2023, hereby authorizes the County Administrator to apply for the Virginia Department of Housing and Community Development's Virginia Telecommunication Initiative Program.

A Copy Teste:

A handwritten signature in black ink, appearing to read "Teresa H. Knott", written over a horizontal line.

Teresa H. Knott

Clerk of the Board of Supervisors

Attachment 11 – Prior Expended Match Form

Local Government expenditures incurred after June 2, 2021, one year prior to the application open date, are eligible to be included in the application as match funds. Incurred expenses must be related to the proposed VATI project and meet VATI criteria. Expenditures incurred by internet service providers after December 13, 2021 are also eligible to be included in the application as match funds. For these match funds to be considered, the co-applicant internet service provider and local government applicant must have been unsuccessful in the FY22 round of VATI. Please complete the table below to explain any prior expended funds which have been considered as matching funds in this application. Incurred expenses must also be directly related to the proposed VATI project and meet VATI criteria. DHCD staff reserves the right to make administrative determinations on the validity of matching funds and accept a proportion of the funds when necessary.

Prior Expended Match Table				
Expense Incurred By: (Local Government or Internet Service Provider)	Source: (Local, State, Federal, Other, Loan, etc.) Please list fund source (i.e. Local Fiscal Recovery Fund)	Amount:	Brief Description: (Construction, Administration Expenses, or Other)	How is this expense directly related to the proposed VATI project? If more space is needed, please describe in detail below the table with numbered references in the cells below.
Local	Economic Development Fund (County Meals Tax)	\$49,000	Discovery and analysis of Prince George Broadband Project	Due diligence reports on project to obtain costs of materials, make ready, construction and labor. Also, research on unserved units within the County.

PGEC Enterprises LLC
 PO BOX 196
 WAVERLY VA 23890
 TEL: (804)834-2424

INVOICE: 15476

Invoice Date: 05/22/2023
 Terms: NET
 Due Date: 05/22/2023
 Amount Due: \$ 49,000.00

PRINCE GEORGE COUNTY
 P O BOX 68
 PRINCE GEORGE VA 23875

Account: 9999202026
 Description: Discovery and Engineering Analysis of unserved/underserved areas of Prince George County for VATI application 2023. Page 1 of 1

DESCRIPTION	QUANTITY	UOM	UNIT PRICE	AMOUNT	TAX
CATALOG ITEM: 155 Funds to Start Discovery & Analysis <i>Eron Dev Prof Services</i> <i>0215-08-301-2151-43101</i> <i>P.O. 2 5/25/2023</i>	1.000	EA	49,000.0000	49,000.00	

MESSAGES	Subtotal:	Amount
Check or money order only. Must be paid by mail or in the office. No credit cards accepted.	Tax:	\$ 0.00
	Total:	\$ 49,000.00
	Amount Paid:	\$ 0.00
	Amount Due:	\$ 49,000.00

PLEASE RETURN ONE COPY WITH PAYMENT.

Broadband Strategic Goal #5
Jeff A. Stitt
(OK)
5/22/2023

PGEC Enterprises LLC
 PO BOX 196
 WAVERLY VA 23890

Account:	9999202026
Invoice:	15476
Due Date:	05/22/2023
Amount Due:	\$ 49,000.00
Amount Of Payment:	_____

PRINCE GEORGE COUNTY
 P O BOX 68
 PRINCE GEORGE VA 23875

Remit To:
 PGEC Enterprises LLC
 PO BOX 196
 WAVERLY VA 23890

INVOICE DATE	INVOICE NUMBER	DESCRIPTION	INVOICE AMOUNT
05/22/2023	15476	9999202026 BROADBAND STRATIGIC GOAL #5 GL#:0215-08-301-2151-00000-000-000-000-43101 -	\$49,000.00

Vendor No.	Vendor Name	Check No.	Check Date	Check Amount
107865	PGEC ENTERPRISES LLC	05536847	06/01/2023	\$49,000.00



COUNTY OF PRINCE GEORGE

P.O. BOX 68
PRINCE GEORGE, VIRGINIA 23875
(804) 722-8710 Fax (804) 732-1966

Vendor Number	Check Date	Check Number
107865	06/01/2023	05536847

\$49,000.00

Pay *Forty-nine Thousand Dollars and 00 Cents*

05536847

PGEC ENTERPRISES LLC
PO BOX 196
WAVERLY, VA 23890

**FILE COPY
NON-NEGOTIABLE**

CDBG Derivation of Cost

Product	Total	VATI	Non-VATI	Source of Estimate	Date
EXAMPLE					
Construction					
200 LF of fiber @\$150/LF	\$30,000	\$15,000	\$15,000	Company A	9/5/2016
Tower	\$100,000	\$80,000	\$20,000	Company B	9/5/2016
Engineering	\$20,000	\$0	\$20,000	ABC Engineering Firm	9/5/2016

30000

Product	Total	VATI	Non-VATI	Source of Estimate	Date
Materials: Fiber Cables, Pole Hardware, Underground Vaults, Pedestals, Splice Enclosures, Conduit, etc...	\$ 753,110	\$ 602,488	\$ 150,622	Pricing based on current RuralBand material purchases from current VATI projects.	12/15/2023
Dominion Utility Pole Make Ready Costs	\$ 1,084,160	\$ 867,328	\$ 216,832	Based on current expenditures to Dominion for make ready cost on other projects.	12/15/2023
VDOT Permits, Easements, Interstate and RR Crossings:	\$ 143,165	\$ 114,532	\$ 28,633	Pricing based on current RuralBand material purchases from current VATI projects.	12/15/2023
Electronics and Customer Equipment Installed:	\$ 288,760	\$ 231,008	\$ 57,752	Pricing based on current RuralBand material purchases from current VATI projects.	12/15/2023
Labor: Construction and Splicing	\$ 1,448,945	\$ 1,159,156	\$ 289,789	Pricing is based on current RuralBand costs and S&N Labor estimates using run rates on current VATI Projects.	12/15/2023
Design Engineering/Project Management	\$ 154,000	\$ 123,200	\$ 30,800	Pricing is based on current RuralBand costs and S&N Labor estimates using run rates on current VATI Projects.	12/15/2023
	\$ -	\$ -	\$ -		
	\$ -	\$ -	\$ -		
	\$ -	\$ -	\$ -		
	\$ -	\$ -	\$ -		
	\$ -	\$ -	\$ -		
	\$ -	\$ -	\$ -		
	\$ -	\$ -	\$ -		
	\$ -	\$ -	\$ -		
	\$ -	\$ -	\$ -		
	\$ -	\$ -	\$ -		

2024 VATI - Prince George County, VA - Supporting Cost Estimate

Description	Quantity	Unit Type	Unit Cost	Item Total
Material - Mainline/Lateral Route Aerial 144 ADSS Fiber Cable	63,212	Per Foot	\$1.61	\$101,771
Material - Mainline/Lateral Route Aerial 48 ADSS Fiber Cable	29,197	Per Foot	\$0.64	\$18,686
Material - Mainline/Lateral Route Aerial 24 ADSS Fiber Cable	52,555	Per Foot	\$0.43	\$22,599
Material - Mainline/Lateral Route UG Armored 144 Fiber Cable	8,042	Per Foot	\$1.61	\$12,948
Material - Mainline/Lateral Route UG Armored 48 Fiber Cable	5,533	Per Foot	\$0.64	\$3,541
Material - Mainline/Lateral Route UG Armored 24 Fiber Cable	28,557	Per Foot	\$0.43	\$12,280
Material - Drop Cable Aerial	32,722	Per Foot	\$0.19	\$6,217
Material - Drop Cable Underground with Tracer	73,537	Per Foot	\$0.69	\$50,741
Material - ADSS Hardware 144 Cable Size Dead End Assembly	328	Per Assembly	\$35.00	\$11,480
Material - ADSS Hardware 48 Cable Size Dead End Assembly	162	Per Assembly	\$32.50	\$5,265
Material - ADSS Hardware 24 Cable Size Dead End Assembly	358	Per Assembly	\$32.50	\$11,635
Material - ADSS Hardware 144 Cable Size Tangents	515	Per Assembly	\$31.00	\$15,965
Material - ADSS Hardware 48 Cable Size Tangents	238	Per Assembly	\$27.47	\$6,538
Material - ADSS Hardware 24 Cable Size Tangents	428	Per Assembly	\$27.47	\$11,757
Material - Splice Closure Large Assembly	177	Per Assembly	\$750.00	\$132,750
Material - Splice Closure Medium Assembly	225	Per Assembly	\$345.00	\$77,625
Material - Splice Closure NID Assembly	528	Per Assembly	\$50.00	\$26,400
Material - Vaults Large Assemblies	200	Per Assembly	\$1,000.00	\$200,000
Material - Vaults Pedestal Assemblies	118	Per Assembly	\$200.00	\$23,600
Sub Total (Based on historical RuralBand purchasing costs)				\$751,797

Description	Quantity	Unit Type	Unit Cost	Item Total
Electronics (ONT) and Home Installs	532	Each Install	\$430.00	\$228,760
Electronics (OLT) to support Zones	23	Assembly	\$2,608.70	\$60,000
Sub Total (Based on historical RuralBand purchasing costs)				\$288,760

Description	Quantity	Unit Type	Unit Cost	Item Total
Dominion Utility Pole Make Ready Cost	31	Cost per Mile	\$35,200.00	\$1,084,160
Sub Total (Based on historic Dominion make ready costs)				\$1,084,160

Description	Quantity	Unit Type	Unit Cost	Item Total
VDOT Permits, Easements, Interstate and RR Crossings Feeds	1	Each Install	\$143,165.00	\$143,165
Sub Total (Based on historical RuralBand purchasing costs)				\$143,165

Description	Quantity	Unit Type	Unit Cost	Item Total
Design Engineering/Project Management	All Project	Eng/Management	\$154,000.00	\$154,000
Sub Total (Based on project miles, install locations and timeline)				\$154,000

Description	Quantity	Unit Type	Unit Cost	Item Total
Labor - Mainline/Lateral Aerial ADSS Build	145,101	Composite per ft.	\$3.11	\$451,264
Labor - Mainline/Lateral Plow	27,385	Composite per ft.	\$4.56	\$124,876
Labor - Mainline/Lateral Bore	14,746	Composite per ft.	\$12.42	\$183,145
Labor - Drop Placement OH/UG with Splice	92,399	Composite per ft.	\$2.54	\$234,693
Labor - Dominion Mainline Vault Placement	122	Per Placement	\$600.00	\$73,200
Labor - Crossings (4 Interstate and 1 RR, Crews, Traffic, Flagging)	All Project	All Project	\$200,000.00	\$200,000
Labor - Splicing, Testing, Network Documentation	All Project	All Project	\$181,767.00	\$181,767
Sub Total (Based on historical cost of previous VATI projects with labor availability factored)				\$1,448,945



Strategically leveraging resources for a healthy, vibrant and economically vital region

December 15, 2023

Mr. Jeffrey Stoke, County Administrator
Prince George County Government
6602 Courts Drive
Third Floor
Prince George, VA 23875

Dear Mr. Stoke:

I am pleased to inform you that at a meeting on December 13, 2023, the Board of Directors of The Cameron Foundation approved a grant of \$193,607 to Prince George County Government.

This is a proactive grant of up to \$193,607 to Prince George County to support broadband network construction and is conditioned on a successful Virginia Telecommunications Initiative grant application. The final grant payment will not exceed 5% of the total project cost, excluding the value of in-kind contributions. In making this grant, the Foundation is not obligated to make a future grant for this or any other purpose.

This grant has been approved with the understanding, based upon your representations, that Prince George County Government is exempt from federal income tax under Section 501(c)(3) OR Section 170(c)(1) of the Internal Revenue Code. (Note: a 501 (c)(3) organization cannot now, nor have been within the last five years, classified as a "private foundation" as described in Section 509 (a) of said Code.) Further, in accepting this grant Prince George County Government agrees that the grant funds will be used exclusively for exempt purposes as described in Section 501(c)(3) or Section 170(c)(1), as applicable, and will not be used for the carrying on of propaganda, nor for otherwise attempting to influence legislation (within the meaning of the taxable expenditure prohibition rules of Treasury Regulations §53.4945-2), nor for participating in, or intervening in, any political campaign on behalf of, or in opposition to, any candidate for public office.

The grant also is expressly conditioned upon the following:

1. The grant funds must be used exclusively for the purpose or purposes described in the proposal your organization submitted to the Foundation; provided, however, that if your organization determines that a material variance in use is required or desirable, your organization may request a variance in use from the Foundation. The Foundation will have no obligation to permit such a variance, and your organization must not implement any such variance unless and until it receives written permission from the Foundation.
2. Your organization must submit to the Foundation both a post-grant evaluation report and a post-grant financial report with respect to the activities funded by the grant. These forms must be completed on the Foundation's website, (www.camfound.org) at

ORIGINAL

the applicant login section. Reporting must be submitted on or before the following dates:

11/30/2026 Final Report

The Foundation also would welcome your submission of any other program or financial reports that your organization may prepare.

If your organization, without a reason acceptable to the Foundation, fails to submit the reports described above when they are due, the Foundation may require your organization to return all or a portion of the grant funds to the Foundation. In addition, unexcused delinquencies or tardiness in furnishing the reports may result in the denial of grant requests by your organization for a period of five years.

This grant will be made according to the following payment schedule:

To be determined \$193,607.00

If your organization is a publicly supported organization under Section 501(c)(3) of the Internal Revenue Code, be advised that the Foundation is a private foundation and only a portion of this grant may qualify as public support.

If you accept the foregoing terms and conditions of the grant, please indicate such acceptance by signing and returning the original letter (the copy is for your records). It is very important that you do this at your first opportunity, because the grant will be subject to cancellation by the Foundation if the signed copy is not received by the Foundation before the date for the first scheduled payment pursuant to the grant.

On behalf of the Board of Directors of The Cameron Foundation, I congratulate your organization on its selection as a grant recipient, and I extend my best wishes for the success of your efforts. If you have concerns or questions, please feel free to contact me.

Sincerely,

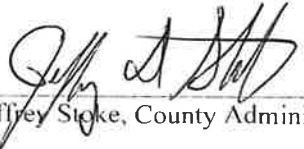


Nadine Marsh-Carter
President

Accepted this 18th day of December, 2023

Prince George County Government

By 
Donald R. Hunter, Board Chair

By 
Mr. Jeffrey Stoke, County Administrator

Handwritten note in blue ink, possibly a date or initials.



COMMONWEALTH OF VIRGINIA
HOUSE OF DELEGATES
RICHMOND

CARRIE E. COYNER
9910 WAGNERS WAY
POST OFFICE BOX 58
CHESTERFIELD, VIRGINIA 23832

SIXTY-SECOND DISTRICT

COMMITTEE ASSIGNMENTS:
EDUCATION
GENERAL LAWS
APPROPRIATIONS

November 28, 2023

**RE: Prince George County VATI application
Department of Housing and Community Development**

To whom it may concern:

As a representative of Prince George County, I am writing this letter of support for their application for Virginia Telecommunication Initiative (VATI) funding. I understand the impact this project will have on the quality of life in the region. Broadband access has become a vital part of all communities, and VATI funding would be a positive step forward in ensuring access for the citizens of Prince George County. Areas of the County without adequate access to broadband can fall behind in education, health, and business climate.

Prince George County is partnering with Ruralband, a subsidiary of Prince George Electric Co-op, to provide this access. The County's commitment to broadband access for all has been shown through previous efforts, as well as in their diligence in gathering accurate and widespread data for this application.

Sincerely,

A handwritten signature in cursive script that reads "Carrie E. Coyner".

Carrie E. Coyner



COMMONWEALTH OF VIRGINIA
HOUSE OF DELEGATES
RICHMOND

KIM TAYLOR
POST OFFICE BOX 2122
PETERSBURG, VIRGINIA 23804
SIXTY-THIRD DISTRICT

COMMITTEE ASSIGNMENTS:
PRIVILEGES AND ELECTIONS
TRANSPORTATION
COMMUNICATIONS, TECHNOLOGY
AND INNOVATION

November 28, 2023

RE: Letter of Support from Delegate Kim Taylor to the Department of Housing and Community Development

To whom it may concern:

As a representative of Prince George County, I am writing this letter of support for their application for Virginia Telecommunication Initiative (VATI) funding. We understand the impact this project will have on the quality of life in the region. Broadband access has become a vital part of all communities, and VATI funding would be a positive step forward in ensuring access for the citizens of Prince George County. Areas of the County without adequate access to broadband can fall behind in education, health, and business climate.

Prince George County is partnering with Ruralband, a subsidiary of Prince George Electric Co-op, to provide this access. The County's commitment to broadband access for all has been shown through previous efforts, as well as in their diligence in gathering accurate and widespread data for this application.

Sincerely,

A handwritten signature in blue ink, appearing to read "Kim Taylor".

Del. Kim Taylor
63rd District of Virginia

Form 477 Filing Summary

FRN:
0026799551

Data as of:
Dec 31, 2021

Operations:
Non-ILEC

Submission Status:
Original - Submitted

Last Updated:
Mar 1, 2022 10:15
AM

Filer Identification

Section	Field	Response
Filer Information	Company Name	PGEC Enterprises, LLC
	Holding Company Name	Prince George Electric Cooperative
	Filing Type	Non-ILEC
	SAC ID	199023
	499 ID	833031
Data Contact Information	Data Contact Name	Steven W Chernoff
	Data Contact Phone Number	(703) 584-8670
	Data Contact E-mail	schernoff@fcclaw.com
Emergency Operations Contact Information	Emergency Operations Name	Casey Logan
	Emergency Operations Phone Number	(804) 834-2424
	Emergency Operations E-mail	clogan@pgec.coop
Certifying Official Contact Information	Certifying Official Name	Casey Logan
	Certifying Official Phone Number	(804) 834-2424
	Certifying Official E-mail	clogan@pgec.coop

Data Submitted

Form Section	File Name	Date & Time	Number of Rows
Fixed Broadband Deployment	PGEC_fbdd_2021Q4_v2_022622.csv	Feb 28, 2022 02:15 PM	780
Fixed Broadband Subscription	PGEC_fbsd_2021Q4_022422.csv	Mar 1, 2022 09:39 AM	53
Fixed Voice Subscription	PGEC_fvs_2021Q4_022422.csv	Mar 1, 2022 09:40 AM	11

Fixed Broadband Deployment

Census Block Counts by State, DBA Name and Technology

State	DBA Name	Technology	Blocks
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State	DBA Name	Technology	Blocks
Virginia	Ruralband	Optical Carrier/Fiber to the End User	780
Total			780

Fixed Broadband Subscription

Fixed Broadband Subscriptions by State, Technology and End User Type

State	Technology	Census Tracts	Subscriptions		
			Consumer	Business/Govt.	Total
Virginia	Optical Carrier/Fiber to the End User	53	2,704	42	2,746
Total		53	2,704	42	2,746

Fixed Broadband Subscriptions by Bandwidths and End User Type

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business/Govt.	Total
25.000	25.000	430	0	430
50.000	50.000	0	3	3
100.000	100.000	1,382	33	1,415
250.000	250.000	483	6	489
1,000.000	1,000.000	409	0	409
Total		2,704	42	2,746

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	25.000	25.000	430	0	430
	50.000	50.000	0	3	3
	100.000	100.000	1,382	33	1,415
	250.000	250.000	483	6	489
	1,000.000	1,000.000	409	0	409
Total			2,704	42	2,746

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
-------	-----------------	--------------------	--------------------------	-----------------------------

State	Total VGE Lines	Consumer VGE Lines	Total VoIP Subscriptions	Consumer VoIP Subscriptions
Virginia	309	309	1	1
Total	309	309	1	1

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	309	309	0	309	0	0	0
Total	309	309	0	309	0	0	0

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	309	309	0	0	309	0	0	0
Total	309	309	0	0	309	0	0	0

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	1	1	0	0	1	1	0	0	0
Total	1	1	0	0	1	1	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)

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Form 477 Filing SummaryFRN:
0026799551Data as of:
Jun 30, 2021Operations:
Non-ILECSubmission Status:
Original - SubmittedLast Updated:
Aug 25, 2021 01:14
PM**Filer Identification**

Section	Field	Response
Filer Information	Company Name	PGEC Enterprises, LLC
	Holding Company Name	Prince George Electric Cooperative
	Filing Type	Non-ILEC
	SAC ID	199023
	499 ID	833031
Data Contact Information	Data Contact Name	Steven W Chernoff
	Data Contact Phone Number	(703) 584-8670
	Data Contact E-mail	schernoff@fcclaw.com
Emergency Operations Contact Information	Emergency Operations Name	Casey Logan
	Emergency Operations Phone Number	(804) 834-2424
	Emergency Operations E-mail	clogan@pgec.coop
Certifying Official Contact Information	Certifying Official Name	Casey Logan
	Certifying Official Phone Number	(804) 834-2424
	Certifying Official E-mail	clogan@pgec.coop

Data Submitted

Form Section	File Name	Date & Time	Number of Rows
Fixed Broadband Deployment	PGEC_fbdd_2021Q2_082421.csv	Aug 24, 2021 02:37 PM	1,357
Fixed Broadband Subscription	PGEC_fbdsd_2021Q2_082421.csv	Aug 25, 2021 09:57 AM	53
Fixed Voice Subscription	PGEC_fvs_2021Q2_082421.csv	Aug 24, 2021 02:37 PM	9

Fixed Broadband Deployment**Census Block Counts by State, DBA Name and Technology**

State	DBA Name	Technology	Blocks
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State	DBA Name	Technology	Blocks
Virginia	Ruralband	Optical Carrier/Fiber to the End User	1,357
Total			1,357

Fixed Broadband Subscription

Fixed Broadband Subscriptions by State, Technology and End User Type

State	Technology	Census Tracts	Subscriptions		
			Consumer	Business/Govt.	Total
Virginia	Optical Carrier/Fiber to the End User	53	2,339	37	2,376
Total		53	2,339	37	2,376

Fixed Broadband Subscriptions by Bandwidths and End User Type

Downstream Bandwidth (In Mbps)	Upstream Bandwidth (In Mbps)	Consumer	Business/Govt.	Total
25.000	25.000	347	0	347
50.000	50.000	0	4	4
100.000	100.000	1,279	26	1,305
250.000	250.000	505	6	511
500.000	500.000	0	1	1
1,000.000	1,000.000	208	0	208
Total		2,339	37	2,376

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	25.000	25.000	347	0	347
	50.000	50.000	0	4	4
	100.000	100.000	1,279	26	1,305
	250.000	250.000	505	6	511
	500.000	500.000	0	1	1
	1,000.000	1,000.000	208	0	208
Total			2,339	37	2,376

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	258	258
Total	0	0	258	258

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	258	258	0	258	0	258	0	0	0
Total	258	258	0	258	0	258	0	0	0

Reminder: You must continue to use Census 2010 geographic codes in FCC Form 477.

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
 445 12th Street SW, Washington, DC 20554
 Phone: 1-888-225-5322

TTY: 1-888-835-5322

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