

Application to DHCD Submitted through CAMS

County of Goochland

Goochland County & Port 80 Internet Services, LLC - VATI 2021

Application ID: 75708122020150259
Application Status: Pending
Program Name: Virginia Telecommunications Initiative 2021
Organization Name: County of Goochland
Organization Address:
Profile Manager Name: Paul Drumwright
Profile Manager Phone: (804) 556-5833
Profile Manager Email: pdrumwright@goochlandva.us

Project Name: Goochland County & Port 80 Internet Services, LLC - VATI 2021
Project Contact Name: Paul Drumwright
Project Contact Phone: (804) 556-5833
Project Contact Email: pdrumwright@goochlandva.us
Project Location: 1800 Sandy Hook Rd
GOOCHLAND, VA 23063-3105

Project Service Area: Goochland County

Total Requested Amount: \$1,508,195.36
Required Annual Audit Status: No Current Audits Found

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Budget Information:

Cost/Activity Category	DHCD Request	Other Funding	Total
Telecommunications	\$1,508,195.36	\$780,605.70	\$2,288,801.06
Construction	\$1,508,195.36	\$780,605.70	\$2,288,801.06
Total:	\$1,508,195.36	\$780,605.70	\$2,288,801.06

Budget Narrative:

Goochland County has pledged \$100,000 in matching funds to show its commitment. In addition, Goochland County will offer non-cash support through assistance with grant management and administration, facilitation of the necessary permitting and county approvals for the construction process, support at community meetings to publicize the project, consideration of taking service at county facilities, and providing access to any county easements. Port 80 Internet Services, LLC will provide a \$680,605.70 match for the construction of the project, making up 29.74% of the project cost.

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 project (the “Port 80 Internet Services, LLC Fiber Broadband Project” includes approximately 43.35 miles or 228,922 feet of infrastructure generally dispersed throughout the Crozier and Cardwell Road area in eastern Goochland and the Oilville area in north-central Goochland as noted on the attached Project Area map and spreadsheet. The Oilville area portion of the project includes service through a 1.24 mile portion of Hanover noted in the project as Oilville/Hanover. Additionally, a couple addresses in Louisa are included that access roads in Goochland, these addresses are noted in the project as Oilville/Louisa.

The project area was selected after consultation between the county and Port 80 Internet Services, LLC (Port 80) 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 geographic footprint of Port 80 Internet Services LLC’s existing network that brought service to a long unserved portion of eastern Goochland.

Port 80 Internet Services, LLC, through community partnerships, expanded broadband along a road into the unserved area but further expansion has been cost prohibitive. The county and Port 80 discussed the significant need for high speed broadband within these areas, the consistent demand for service by citizens, and opportunities to leverage funds to accomplish expansion.

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The project areas was selected because it's been a long-known area that has lacked service from providers for years. Incumbent providers in Goochland have previously been unable to extend service for a variety of reasons including low-density, high customer contribution costs due to the density and rural agricultural nature of the area. Essentially, the Crozier and Cardwell Road areas were doughnut hole shaped areas lacking broadband and surrounded by areas with broadband service. It is an area that requires extension of infrastructure through acres of agricultural areas in order to reach residences and businesses in the low-density area. Its boundaries are specific points where service stops by other providers. The Oilville area is similar in nature, separated from areas with broadband by Interstate 64 and requires extension of infrastructure through acres of agricultural areas or areas with great distance between residences and businesses.

2. List existing providers in the proposed project area and the speeds offered. Please do not include satellite. Describe your outreach efforts to identify existing providers and how this information was compiled with source(s).

Answer:

Goochland County's efforts to identify and encourage existing and new broadband providers to expand service into unserved areas has been ongoing since at least 2008. These efforts have included multiple discussions with existing and potential providers about expanding service into known unserved areas, including these proposed areas.

There are no known fiber or wireline providers in the proposed areas. Two known providers, Port 80 Internet Services, LLC, and Comcast are adjacent to the proposed areas. Port 80 Internet Services, a partner in this application, offers up to gigabit (bidirectional) service. To determine where Comcast offers service, a combination of outreach to their staff was undertaken, surveys of residents, and on-the-ground observation of where their physical plant is located.

Cellular wireless providers do offer service in portions of the area, but do not provide consistent speeds or adequate service to be provider per VATI's desired speeds of service greater than 25/3 Mbps. Goochland County recently launched an initial broadband survey of residents and received 30 responses from the project out of a total of 238 responses. Out of those 30 responses, all responded that they rely on satellite or mobile wireless devices for their internet connection. Additionally, 23 of the 30 responded that they received service at 25Mbps or slower download speeds.

Goochland County submitted notification and intent for this application and project to the Department of Housing and Community Development on July 13th and received no responses from Internet service providers. The notification of intent and request for comments were also posted to the county's website and no responses were received from Internet service providers. Attached as Attachment 3 is a copy of the FCC 477 map which shows census covered, but our efforts mentioned above determine the addresses proposed don't truly have service. As is known the FCC 477 maps are not reliable to show areas unserved.

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, and Community Connect. If there have been federal funds awarded near the project, provide a map verifying the proposed project area does not conflict with these

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areas. Describe if there are Rural Digital Opportunity Fund (RDOF) eligible census blocks located in the proposed project area. Label Map: Attachment 2 – Documentation on Federal Funding Area.

Answer:

There are no federal grants awarded near the project areas. A number of census blocks are included in the upcoming RDOF auction. A map is provided as Attachment 2 that denotes those specific RDOF census blocks.

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 of 25/3 mbps or less and with less than 10% service overlap within the project area. 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:

The proposed project area is unserved based on data available through the Federal Communication Commission's publicly available Form 477 and direct information from Goochland County residents and County Administration staff. The project area was scoped to include extensions off existing Port 80 Internet Services, LLC fiber optic backbones that were previously extended via community support. This was done to build off Port 80 Internet Services, LLC's existing infrastructure in order to serve the remaining unserved areas. In scoping the project, efforts were taken to avoid encroaching or overlapping with other providers. Extensive efforts were made with community outreach, communication with Comcast staff, and field surveying of existing physical plant. There are a number of wireless and satellite providers that offer available service in the area, but they are not counted as an existing provider as they do not meet the FCC definition of 25/3. As noted earlier, Goochland County recently launched an initial broadband survey of residents and received 30 responses from the project area. All responded that they rely on satellite or mobile wireless devices for their internet connection. 23 of the 30 responded that they received 25 Mbps or slower download speeds.

As also noted in Question 2, Goochland County submitted notification and intent of this application to the Department of Housing and Community Development as well as to the county's website and received no responses from Internet service providers.

5. Total Passings: Provide the number of total serviceable units in the project area. Applicants are encouraged to prioritize areas lacking 10 Megabits per second download and 1 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 passings, provide the number of residential, business, non-residential, and community anchors in the proposed project area. Describe the methodology used for these projections.
- b. Provide the number of serviceable units in the project area that have 10/1 mbps or less. Describe the methodology used for these projections.

Answer:

There are a total of 774 residential and commercial locations within the proposed project area in Goochland County. The number of locations were determined after field surveys and analysis of official existing addresses by

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Goochland County's Geographic Information Systems (GIS) office. Goochland County and Port 80 Internet Services, LLC proposes to expand service to each location.

Broken down by service area, 486 of the total serviceable units are located within the Crozier and Cardwell Road project area. 288 of the total serviceable units are located within the Oilville project area.

A. As noted above there are a total of 774 passings for the entire project. Broken down by project area, the Crozier and Cardwell Road area has a total passings of 486 and the Oilville area has a total passings of 288. According to data from Goochland County's Commissioner of the Revenue, there are 51 business licenses issued for the project area within 350' of the road centerline. Analysis of the data breaks those licenses down to 12 business and 39 home based businesses. Additional businesses may exist more than 350' from the road centerline but that data is not available at this time.

Of the 774 passings, 503 are within 350' of the road centerline. These passings will have a \$0 installation cost. An additional 271 passings are more than 350' from the road centerline and will incur an installation cost of \$1.75 per foot beyond the 350' which is included in the cost estimates, if they elect to subscribe for service.

B. Based on research, 764 serviceable units have 10/1 mbps or less. This is based on data available through the Federal Communication Commission's publicly available Form 477 data and direct information from Goochland County residents and County Administration staff. Minor adjustments were made to Form 477 data based on actual field deployment, which was verified in person by Port 80 Internet Services staff. Additional efforts were made with community outreach and communication with adjacent providers. There are a number of wireless and satellite providers that offer available service in the project areas but they do not commit to the 10/1 mbps speeds at peak times. Also, Goochland County recently launched a broadband survey and responses were used to determine available broadband access speeds.

6. 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:

This is not a wireless project, so this question is not applicable.

7. 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 25/3 mbps.

Answer:

The broadband infrastructure Port 80 Internet Services, LLC would put in in Goochland County would allow the offering of plans up to gigabit (bidirectional) service. Plans start at \$79.99 per month for 100/100 and 500/500 is available for \$139.99 as well as 1000/1000 for \$169.99. There are no data caps or limits on the amount of usage for subscribers – only on the speed, based on the plan a subscriber chooses. Speeds within Port 80's network are

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guaranteed.

The network relies on proven Gigabit Passive Optical Network (GPON) technology for last-mile delivery to subscribers. “Nodes” are placed at strategic locations within the service area where Optical Line Terminals (OLTs) are installed. The OLTs convert the fiber from the backbone to the GPON distribution fiber. From the nodes, traffic is backhauled to a metro hub site – in this case, in Richmond. At that location, Port 80 transmits the customer’s traffic along our backbone to the most appropriate peering partner.

It should be noted that all proposed offered well exceed the minimum requirements for VATI.

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. 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 5 – Propagation Map Wireless Project.

Answer:

Port 80 Internet Services, LLC operates a statewide fiber optic backbone. Peering locations are established in Ashburn, Richmond, and Norfolk, Virginia. The network is carrier-grade consisting of a 100% Cisco backbone. Over 50 gbps of edge capacity currently exists, providing far more capacity than required. Due to the rural nature of these deployments, it is easy to ensure capacity during peak intervals. While our GPON OLT’s support up to 128 subscribers per port, we are never able to exceed 64 subscribers due to engineering limitations with splits and signal loss over the fiber. While there is a certain amount of over subscription, our network is built for the optimal user experience which means excess capacity. Our backbone is 100% Cisco, providing an exceptional level of reliability. In addition, we constantly monitor our infrastructure 24x7x365, including traffic load. Due to increased network load during the COVID-19 pandemic, network capacity has already been significantly augmented. Our network generally operates under 10% capacity and augmentation is performed when links reach 30% of their capacity. This highly proactive approach ensures the optimal user experience.

Port 80 Internet Services, LLC currently has a full head-end in the Crozier area which will be expanded to support the additional user load. A mini node will be added along Genito Road to minimize fiber strand utilization along Cardwell Road. This will allow for more splits while maintaining acceptable signal levels. In the Oilville project area, a new head-end will be installed to provide service off existing transport fiber.

Since Port 80 Internet Services, LLC is the network operator, they have the appropriate monitoring and historical statistics for our network and can perform the necessary calculations and planning based on the capacity of each link.

9. Project Readiness

Describe the current state of project development, including but not limited to: planning, preliminary engineering,

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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 must include Memorandums of Understanding (MOUs) or Memorandums of Agreement (MOAs) between applicants (drafts are allowable). Label Attachments: Attachment 6 – Timeline/Project Management Plan; Attachment 7 – MOU/MOA between Applicant/Co-Applicant.

Answer:

The Port 80 Internet Services, LLC project is very developed at this juncture and is in the final engineering phase. Port 80 Internet Services, LLC has been developing and deploying broadband in an area adjacent to the project areas over the past twelve months. Their staff are routinely in the community and more specifically, in the project areas.

The fiber routes have been fully designed as well as equipment locations determined. For the Crozier project area, this is an expansion of an existing GPON footprint. Core routing is already in place as well as a GPON head-end. Subscribers would be connected on a rolling basis as fiber plant is installed. In the Oilville project area, existing transport fiber is in place and a new head-end would be deployed concurrently with fiber plant installation. Generally, fiber plant is deployed in Virginia Department of Transportation (VDOT) Right of Way (ROW), alleviating the need for easements. In some scenarios, it may be determined that a private easement would support more rapid deployment, and in this case, an easement will be secured if it does not delay the project.

A timeline for the project is attached as Attachment 6 as well as the draft Agreement between Goochland County and Port 80 Internet Services, LLC as Attachment 7.

10. 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 the 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's cash match is below 10% of total project cost, applicants must provide financial details demonstrating appropriate private investment. Label Attachments: Attachment 8 - Funding Sources Table; Attachment 9 – Documentation of Match Funding.

Answer:

The proposed project represents a partnership between Port 80 Internet Services, LLC and Goochland County. Port 80 Internet Services LLC, the co-applicant, upon award of the VATI grant, will be responsible for 29.74% of the matching funds in the amount of \$680,605.70 and will provide the labor and materials to complete the provision of services to the areas delineated in the attached project area map. Goochland County will provide a match of up to \$100,000 for the project. In addition, Goochland County will assist in providing in-kind-contributions including application analysis and preparation, coordination with the Department of Housing and Community Development, assistance with community outreach for immediate connections, and participating in further concert with Port 80 Internet Services, LLC as the project is approved and construction begins. The value of these services will depend on the level of activity occurring as the project commences.

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

Answer:

As part of Goochland County's 10 Steps to Broadband Internet Plan it was noted that both cash and in-kind contributions are important for broadband providers to expand service in today's environment. Goochland County has committed to provide up to \$100,000 towards the Port 80 Internet Services, LLC project as a cash match based upon a successful award.

Port 80 Internet Services, LLC will be leveraging existing infrastructure adjacent to the project areas. This infrastructure was deployed through community partnerships and is actively serving residential, business, and government customers. This means that service can be activated for subscribers rapidly and on a rolling basis as fiber is deployed.

12. Marketing: Describe the broadband adoption plan.

a. 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.

b. 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. Goochland County and Port 80 Internet Services, LLC plan a multi-method promotion of the Port 80 Internet Services, LLC project if a successful VATI award is received from DHCD. It would involve communication through multiple information channels including the Goochland Gazette and the county website. Outreach to active citizen stakeholders in the project areas including Homeowners Association will occur. Additional efforts including mailings to all addresses and or hand delivered information will be considered if necessary.

Forecasting a take rate with a high degree of accuracy is most challenging as the actual number of customers who choose to subscribe is beyond the parties' control.

Port 80 Internet Services, LLC take rate estimate for the Port 80 Internet Services, LLC project is based upon several unique factors. First, Port 80 Internet Services has extensive experience deploying broadband adjacent to the project areas and has realized exceptional take rates – near 100% in neighborhoods. In addition, Goochland County's support for the project and involvement with the community, and the ongoing COVID-19 pandemic is expected to add heightened awareness earlier than might otherwise occur. The public nature of the VATI program is also expected to add to the early awareness of residents of broadband availability and positively enhance the take rate. All of the factors combined inform our estimate that, on the high end, some 70% to 90% of residents may take service with the first year after project completion if not sooner.

B. In Goochland County efforts to champion digital literacy have been spearheaded by two organizations the Pamunkey Regional Library and Goochland County Parks and Recreation. The Goochland Branch of the Pamunkey Regional Library has offered a series of education

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classes around the use of computers, the internet, and specific computer programs. During the COVID-19 pandemic these courses were offered electronically so individuals could continue their educational learning. Goochland County Parks and Recreation has offered reoccurring classes on how to utilize smart phones as well as other programs around digital learning. Goochland County has been supportive of both efforts and has assisted in promoting the classes for the public.

13. **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. Please attach any letters of support from stakeholders. If applicant is not a locality(s) in which the project will occur, please provide a letter of support from that locality. Attachment 10 – Letters of Support.

Answer:

Port 80 Internet Services, LLC is led by Evan Weiner and Keith McMichael. Between this leadership team, they have a combined forty-five years of experience in telecommunications and wiring. More specifically, for rural broadband services, they have been successfully delivering broadband in rural Goochland and Powhatan Counties for over a year through partnerships with the communities. The team is well versed in the challenges faced in rural areas and has been successful in addressing them.

Goochland County is led by Interim County Administrator Derek Stamey and a capable management team including Finance Director Barbara Horlacher and Administrative Services Manager Paul Drumwright. Goochland County has pursued, been awarded, and successfully administered numerous grants at the federal and state level. County staff are familiar with the requirements of the VATI program and stand ready to oversee an award for this project. Paul Drumwright serves as the county's point person on broadband and will serve as the county's Project Manager for the project. Barbara Horlacher serves as the Finance Director for the county and will serve as the project's Financial Manager, overseeing overall financial implementation of the project to include signing and approving any financial reports and documents related to the project.

Name	TITLE	DUTIES
Derek Stamey	Interim County Administrator	Grant and program oversight
Paul Drumwright	Administrative Services Manager	Point of contact Administration of grant Reporting

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Evan Weiner	Managing Member	Oversight of project Oversight of outside construction activities Oversight of network design
Keith McMichael	Project Manager	Oversight of inside installation activities

14. 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 11 – Derivation of Costs; Attachment 12 - Documentation of Supporting Cost Estimates.

Answer:

The budget was developed using Port 80 Internet Services' landed construction costs based on actual deployments and costs for vendor services on contract. Customer premise equipment and infrastructure costs are based on distributor quotes provided for this project. Line item costs are omitted due to non-disclosure agreements in place.

This budget covers the entire project and it is expected that the entire project will be completed in the first calendar year after contract execution.

15. The cost benefit index is comprised of three factors: (i) state share for the total project cost, (ii) state cost per unit passed, and (iii) the internet speed. From these statistics, 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
- c. Highest residential speed available in proposed project area

Answer:

A. The combined VATI funding request for the project areas is \$1,505,195.36

B. There are 774 serviceable units in the two project areas.

C. Speeds up to gigabit upload and download are available.

Port 80 Internet Services offers plans up to gigabit (bidirectional) service. Plans start at \$79.99 per month for 100/100 and 500/500 is available for \$139.99 as well as 1000/1000 for \$169.99. There are no data caps or limits on the amount of usage for subscribers – only on

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the speed, based on the plan a subscriber chooses.

16. Commonwealth Priorities

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

- a. How the proposed project fits into a larger plan to achieve universal broadband coverage for the locality. Explain the remaining areas of need in the locality and a brief description of the plan to achieve universal broadband coverage.
- b. 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.
- c. Unique partnerships involved in the proposed project. Examples include electric utilities, universities, and federal/state agencies.
- d. Digital equity efforts to ensure low to moderate income households in the proposed project area will have affordable access to speeds at or above 25/3 mbps.

Answer:

A. In September 2019, Goochland County launched a renewed effort to expand broadband to unserved and underserved areas of the county, this plan is referred to as the “10 Steps to Broadband Internet”. The goal of the plan is:

Goochland County believes universal broadband internet access is essential for our community to support business, education endeavors, public safety, and everyday life. Therefore, we support the implementation of diverse Broadband/Internet strategies to provide all interested Goochland citizens access and options for universal service provision consistent with goals set by the Governor’s Chief Broadband Advisor. While Goochland County seeks service for the entire county, providers are encouraged to prioritize efforts to focus on unserved areas before underserved areas.

As part of this plan the county has worked to identify and confirm unserved areas of the county as well as to engage private providers regarding expansion efforts. As previously noted, these project areas have been known unserved areas for years. Completion of the Port 80 Internet Services, LLC project will fill in a doughnut hole sized unserved area and the largest remaining unserved area in north central and eastern Goochland. A copy of the county's "10 Steps to Broadband Internet" plan is attached as Attachment 14.

The proposed Port 80 Internet Services, LLC project is also aligned with priorities identified by the Honorable Governor Northam to connect rural Virginia to broadband opportunities and thereby eliminate disparities in education, health, and economic outcomes experienced in rural and more urban areas of the Commonwealth.

B. The Port 80 Internet Services, LLC project will provide high speed broadband internet access to two churches in the Cardwell Road corridor providing new opportunities for First Union Baptist Church at 1463 Cardwell Rd and Christian Arabic Fellowship at 1701 Cardwell Rd. Expansion of service will open new opportunities as faith organizations react to the ongoing COVID-19 pandemic.

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C. N/A

D. Port 80 Internet Services is committed to the communities we serve. We are continually investing back into them with both network expansions and services that can be provided to the communities. To support the Goochland County Public School system, our parent company Hosted Backbone has even offered the District free 10 gigabit Internet for as long as students are attending class virtually. While we are not a formal participant in Linceline and other similar programs, we provide those benefits to qualifying households and families in our service footprint. We are also exploring options to provide 25/3 mbps Internet to qualifying students in partnership with the Goochland County Public Schools.

17. Additional Information

17. Provide any other information that the applicant desires to include. Applicants are limited to four additional attachments.

Label Additional Attachments as:

- a. Attachment 13 – Two most recent Form 477 submitted to the FCC or equivalent
- b. Attachment 14 – XXXXXXXX
- c. Attachment 15 – XXXXXXXX
- d. Attachment 16 – XXXXXXXX
- e. Attachment 17 – XXXXXXXX

Answer:

N/A

Attachments:

Map(s) of project area, including proposed infrastructure

Attachment1MapofProjectAreaandCountofAddressesGoochlandPort808172020113715.pdf

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

Attachment2FederalFundingRDOFBroadbandGrantAreas81720817202094729.pdf

Documentation that proposed project area is unserved based on VATI criteria

Attachment3FCC477map8172020115827.pdf

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Passings Form (Please use template provided)

Attachment4PassingFormGoochlandPort80project8172020111700.pdf

Timeline/Project Management Plan

Attachment6ProjectTimelineVATI2021GoochlandandPort80ProjectTimeline8172020113021.pdf

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

Attachment7MOAGoochlandPort80InternetServiceDraftAgreementVATI817202094454.pdf

Funding Sources Table

Attachment8VATIFundingSourcesTable924201893323GoochlandCountyPort808172020112804.pdf

Documentation for match funding

Attachment9MatchVATI2021GoochlandPort80InternetSolution202008148172020111728.pdf

Letters of Support

Attachment10LettersofSupportGoochlandPort808172020817202074205.pdf

Derivation of Cost (Project Budget)

Attachment11DerivationofCostProjectBudget8172020112332.pdf

Documentation supporting project costs (e.g. vendor quotes)

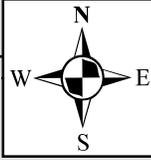
Attachment12DocumentationSupportingProjectCosts8172020111739.pdf

Two most recent Form 477 submitted to FCC

Attachment13TwoMostRecentForm477817202095317.pdf

Optional

Attachment14GoochlandCounty10StepstoBroadbandInternetInitiatives8172020112633.pdf



Goochland County Proposed Broadband Grant Areas

Proposed Grant Area Distances of Grant Area Roads

- 250' Distance
- 300' Distance
- 350' Distance

Proposed Grant Area Roads

- Goochland Grant Area Roads
- Oilville Grant Area Roads
- Oilville/Hanover Grant Area Roads

Proposed Grant Area Addresses

- Goochland - Addresses
- Goochland - Business Address
- Oilville - Addresses
- Oilville - Business Address
- Oilville/Hanover - Addresses
- Oilville/Louisa - Addresses

Proposed Grant Area Parcels of Grant Area Distances

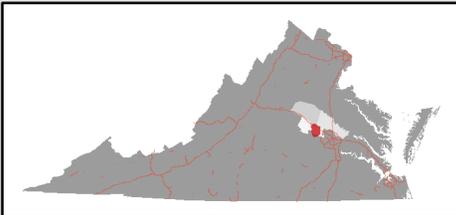
- Goochland Parcels
- Oilville Parcels
- Oilville/Hanover Parcels
- Oilville/Louisa Parcels

Proposed Grant Area	Addresses within 250' of Proposed Grant Area Roads	
	Addresses - Non Business	Business Addresses
Goochland	213	21
Oilville	129	22
Oilville/Hanover	8	?
Oilville/Louisa	0	?
Total Addresses - Non Business	350	
Total Business Addresses		43

Proposed Grant Area	Addresses within 300' of Proposed Grant Area Roads	
	Addresses - Non Business	Business Addresses
Goochland	34	4
Oilville	17	2
Oilville/Hanover	0	?
Oilville/Louisa	3	?
Total Addresses - Non Business	54	
Total Business Addresses		6

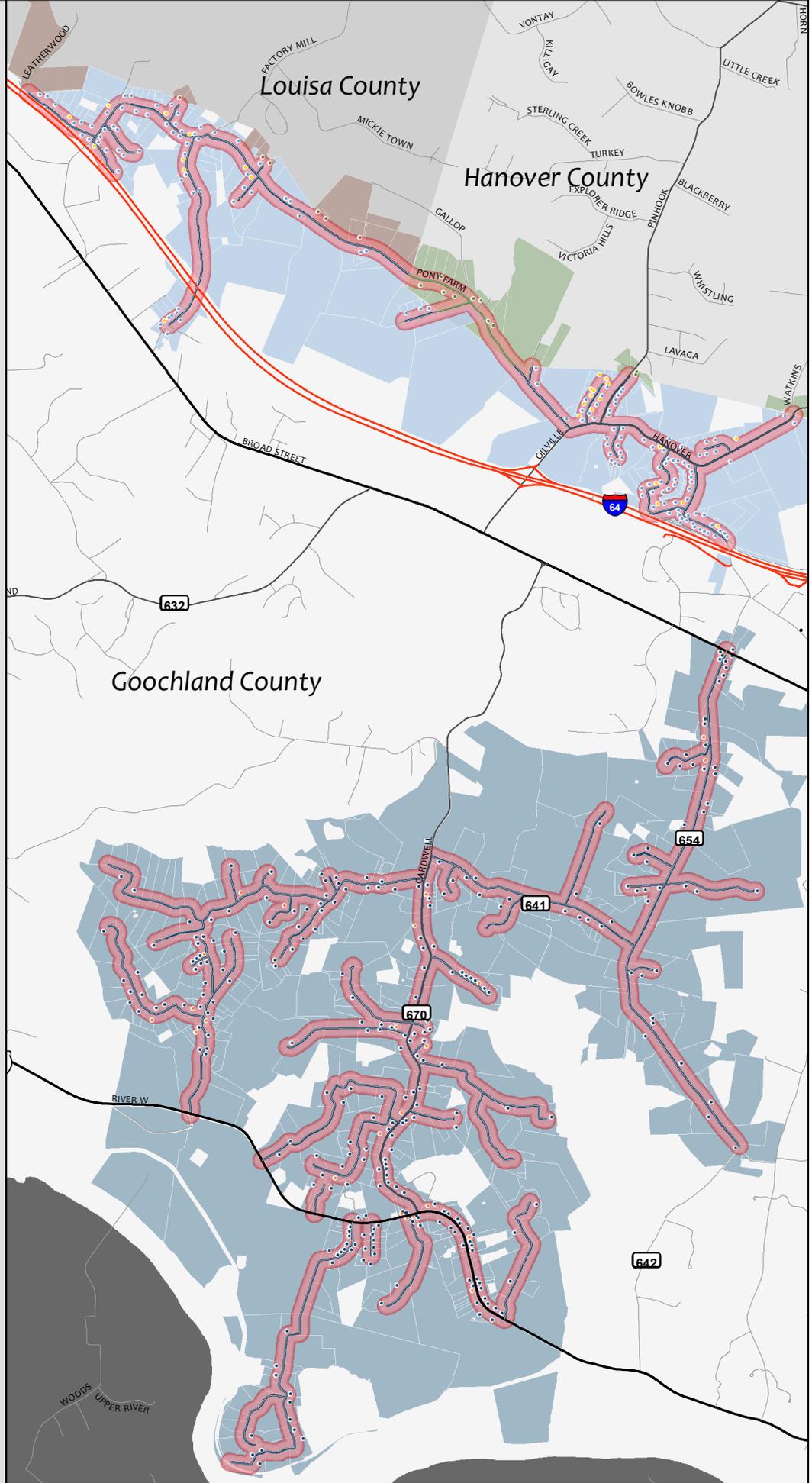
Proposed Grant Area	Addresses within 350' of Proposed Grant Area Roads	
	Addresses - Non Business	Business Addresses
Goochland	32	0
Oilville	11	2
Oilville/Hanover	2	?
Oilville/Louisa	3	?
Total Addresses - Non Business	48	
Total Business Addresses		2

Total Addresses - Non Business	452	
Total Business Addresses		51
Total of all Addresses	503	



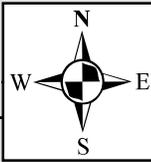
Map Created by
Goochland County
GIS Department
8/17/2020

0 0.5 1 Miles
0 2,750 5,500 Feet

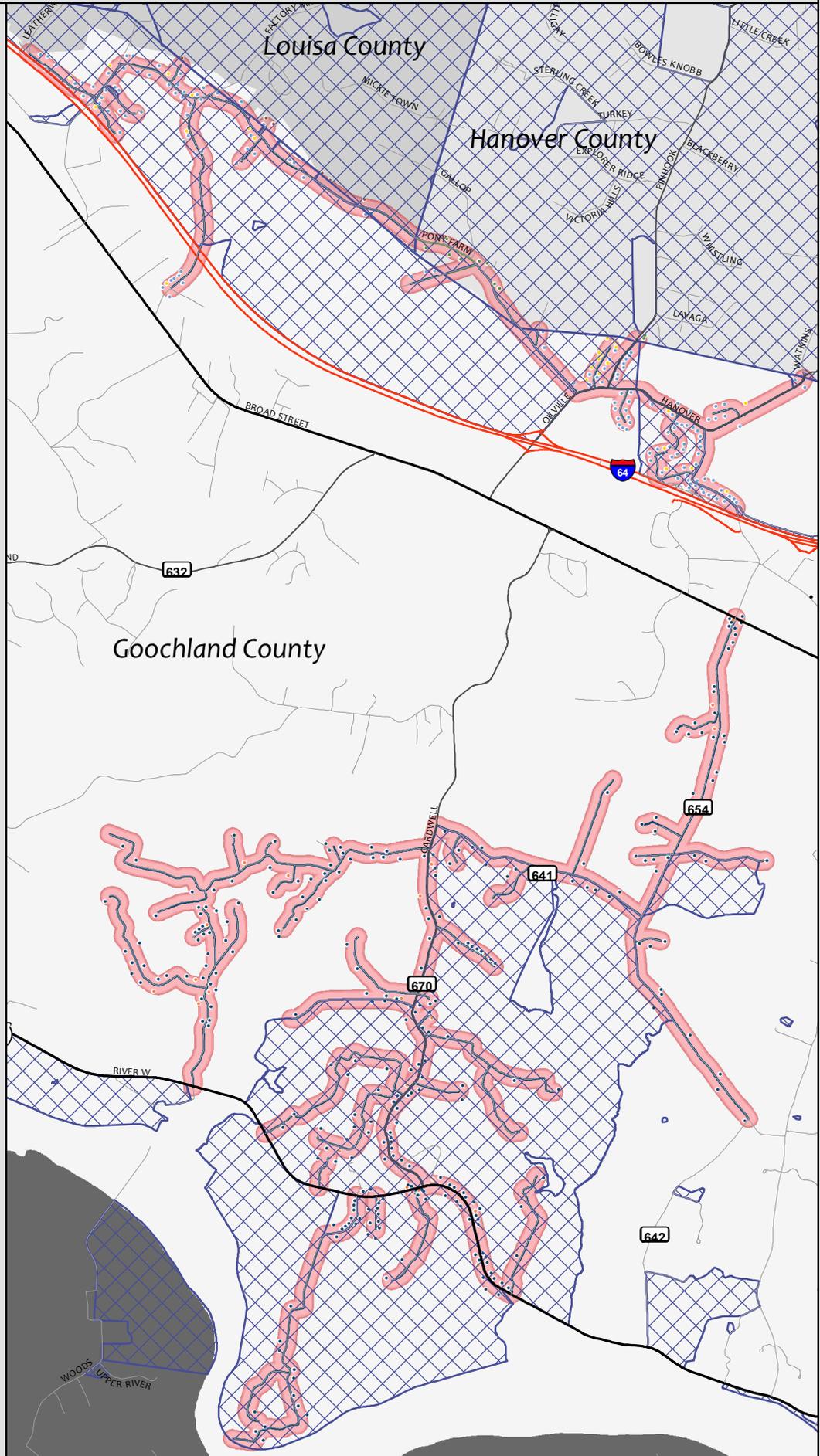


Addresses >350' From Road

Area	Count
Goochland	182
Oilville	69
Oilville/Hanover	9
Oilville/Louisa	11



Goochland County Proposed Broadband Grant Areas in proximity of Rural Digital Opportunity Funding (RDOF)



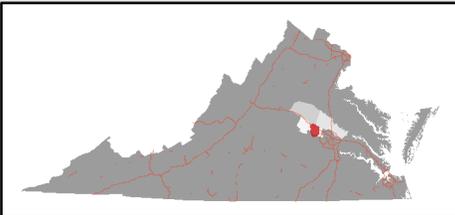
- Auction 904 Updated Eligible Areas
- Proposed Grant Area Distances of Grant Area Roads**
 - 250' Distance
 - 300' Distance
 - 350' Distance
- Proposed Grant Area Roads**
 - Goochland Grant Area Roads
 - Oilville Grant Area Roads
 - Oilville/Hanover Grant Area Roads
- Proposed Grant Area Addresses**
 - Goochland - Addresses
 - Goochland - Business Address
 - Oilville - Addresses
 - Oilville - Business Address
 - Oilville/Hanover - Addresses
 - Oilville/Louisa - Addresses

Proposed Grant Area	Addresses within 250' of Proposed Grant Area Roads	
	Addresses - Non Business	Business Addresses
Goochland	213	21
Oilville	129	22
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Oilville/Louisa	0	?
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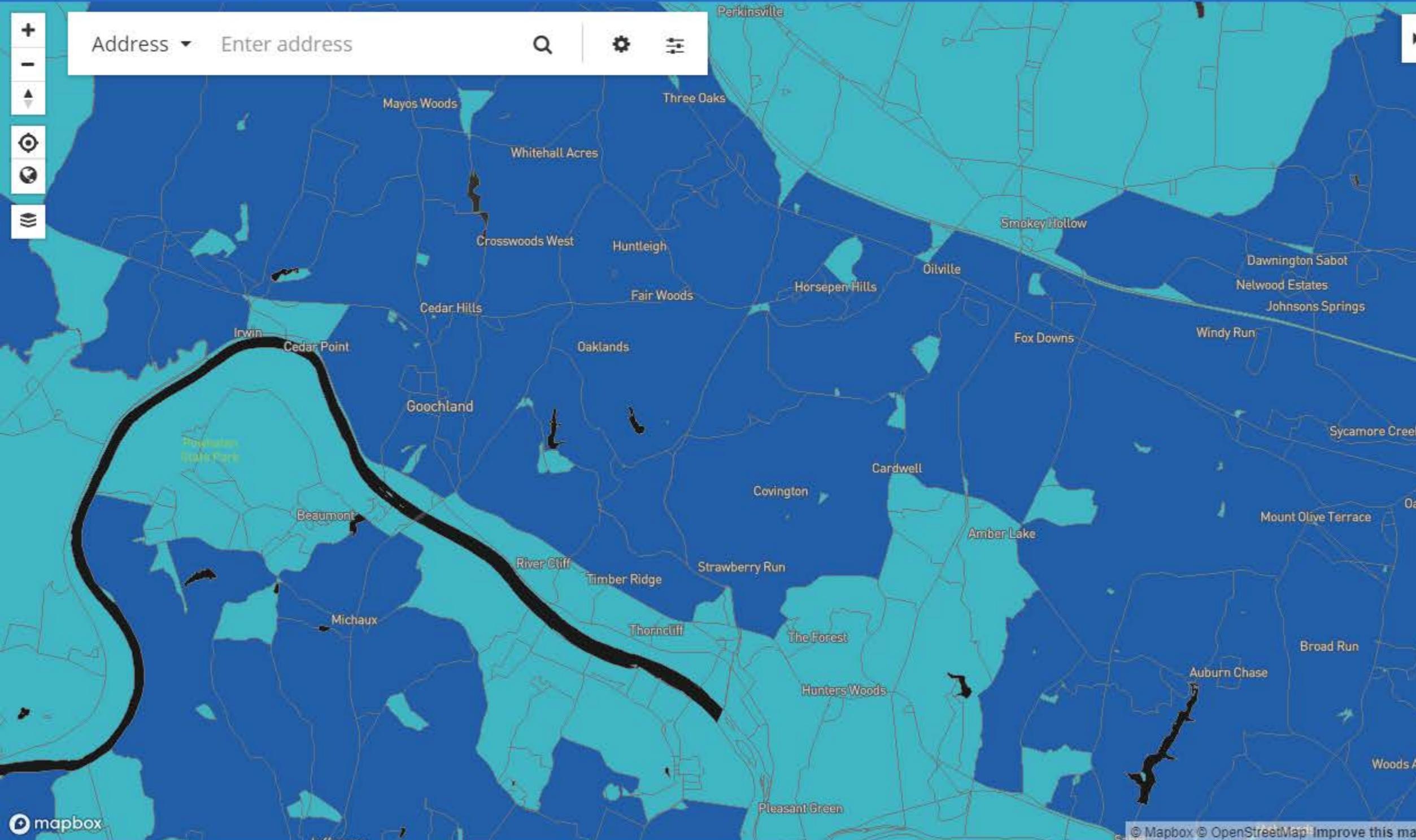
Proposed Grant Area	Addresses within 350' of Proposed Grant Area Roads	
	Addresses - Non Business	Business Addresses
Goochland	32	0
Oilville	11	2
Oilville/Hanover	2	?
Oilville/Louisa	3	?
Total Addresses - Non Business	48	
Total Business Addresses		2

Total Addresses - Non Business	452	
Total Business Addresses		51
Total of all Addresses	503	



Map Created by
Goochland County
GIS Department
8/17/2020

0 0.5 1 Miles
0 2,750 5,500 Feet



All Providers Reporting Service

Number of Fixed Residential Broadband Providers

0 1 2 3 4 6 12 or more

Broadband

Technology ADSL, Cable, Fiber, Fixed Wireless, Satellite, Other

Speed ≥ 25/3 Mbps

Date June 2019 (latest public release)

Please click on the map or search for a location.

22021 Virginia Telecommunication Initiative (VATI) Passing Form – Crozier Project Area

Type of Passings	Total Number in Project Area	Number with Speeds at 10/1 or below in Project Area
Residential	459	459
Businesses (non-home based)		
Businesses (home-based)	25	25
Community Anchors		
Non-residential	2	2
Total Number of Passings	486	486

*Note: The Total Number of 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.

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.

22021 Virginia Telecommunication Initiative (VATI) Passing Form – Oilville Project Area

Type of Passings	Total Number in Project Area	Number with Speeds at 10/1 or below in Project Area
Residential	252	252
Businesses (non-home based)	10	
Businesses (home-based)	26	26
Community Anchors		
Non-residential		
Total Number of Passings	288	278

*Note: The Total Number of 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.

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.

22021 Virginia Telecommunication Initiative (VATI) Passing Form – Total Project Passings

Type of Passings	Total Number in Project Area	Number with Speeds at 10/1 or below in Project Area
Residential	711	711
Businesses (non-home based)	10	
Businesses (home-based)	51	51
Community Anchors		
Non-residential	2	2
Total Number of Passings	774	764

*Note: The Total Number of 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.

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.

Task	Month 1	Month 2	Month 3	Month 4	Month 5
Crozier - Engineering	X				
Corzier - Permitting		X			
Material Procurement		X			
Crozier - Fiber Deployment			X	X	X
Crozier - Head-End Expansion			X		
Crozier - Subscriber Activation				X	X
Oilville - Engineering			X		
Oilville - Permitting				X	
Oilville - Fiber Deployment					
Oilville - Head-End Installation					X
Oilville - Subscriber Activation					

Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12
X	X	X	X	X		
X	X	X	X	X	X	X
X	X	X	X	X		
		X	X	X	X	

Agreement between Port 80 Internet Services, LLC (Port 80) and Goochland County Regarding VATI Funding

An Agreement dated _____, between the Virginia Department of Housing and Community Development (DHCD) and Goochland County (the "DHCD Agreement") imposes certain responsibilities on the "Grantee" in accepting the VATI grant. As anticipated in the joint application for funding submitted by Goochland County and Port 80 Internet Services, LLC (Port 80), the parties wish to outline the roles of each party now that the grant has been awarded. Accordingly, the parties now hereby agree as follows:

Port 80 shall perform all work described in the DHCD Agreement (which is attached hereto and incorporated herein by reference), the submitted application, project management schedule, and budget. Specifically, Port 80 shall complete all Grant Activities described in the DHCD Contract Documents (including but not limited to installing 43.35 miles of fiber building out the network to make fiber to the home broadband service available to 774 service units in Goochland County including to those who choose to take service, and supplying and installing all related equipment) on or before 1 July 2022. Port 80 shall indemnify, defend, and hold Goochland County harmless for any failure(s) to complete any Grant Activities described in the DHCD Contract Documents on or before 1 July 2022. Upon completion of the project, Port 80 will provide Goochland County speed validation data to ensure that the project outcomes have been met and plant constructed is capable of providing broadband speeds that meet VATI criteria. Port 80 may choose to submit either monthly invoices or a single invoice for payment upon completion of the work. No VATI funds shall be distributed unless and until (a) Port 80 has submitted all requested documents applicable to the construction project and (b) Goochland County has verified that pre-construction and/or construction work has been completed or equipment has been ordered and received. Upon any change to availability of funding, Goochland County must notify Port 80 immediately, in which case, at its sole discretion, Port 80 may amend or terminate the project. Goochland County will use best efforts to request the full amount of grant funds prior to December 31, 2021.

Port 80 and Goochland County will exercise due diligence and best efforts on community outreach and marketing the availability of service, which is the intent of the program. The parties understand, however, that the actual number of customers who choose to subscribe is beyond the parties' control. The parties also understand that the intent of DHCD is that the parties exercise due diligence and best efforts and that no funds will be returned to the Commonwealth nor retained by Goochland County so long as the parties exercise due diligence and best efforts to reach the program goals.

Goochland County requires a progress update from Port 80 every 30 days until project completion. Port 80 agrees to assume responsibility for keeping Goochland County updated per the project timeline included in the grant. Project timeline of the grant states all activities to be completed by 18 months from contract date of Goochland County and DHCD for phase one. Port 80 agrees to provide Goochland County post-closeout subscriber reports as of 1 April 2023, so that Goochland County can report to DHCD in accordance with its agreement with the DHCD Agreement.

PORT 80 INTERNET SERVICES, LLC

GOOCHLAND COUNTY

By:

By:

_____ [SEAL]

_____ [SEAL]

Evan Weiner, Managing Member

Date: _____

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	\$1,508,195.36	65.89%	Pending
Port 80 Internet Services	\$680,605.70	29.74%	SECURED
GOOCHLAND COUNTY	\$100,000.00	4.37%	SECURED
	\$		
	\$		
	\$		
	\$		
TOTAL	\$2,288,801.06	100 %	



OFFICE OF THE COUNTY ADMINISTRATOR

Derek L. Stamey, MPA
Interim County Administrator

Todd Kilduff, P.E.
Deputy County Administrator

www.goochlandva.us

August 14, 2020

Evan Weiner
Managing Member
Port 80 Internet Service Solution
P.O. Box 1
Oilville, VA 23129

Re: Goochland County and Port 80 Internet Service Solution Partnership for VATI 2021

Dear Mr. Weiner:

I write on behalf of Goochland County, Virginia to confirm our partnership with Port 80 Internet Service Solution (Port 80) to pursue grant funding through the Commonwealth of Virginia's Virginia Telecommunication Initiative (VATI). In addition to confirming our partnership, this letter also serves to outline both financial and in-kind contributions we commit to provide upon a successful award.

Goochland County believes broadband internet access is essential for our community to support rural agriculture, business, education endeavors, public safety, and everyday life. On September 9th, 2019, the county kicked off our 10 Steps to Broadband Internet Initiative which includes a commitment to provide all interested Goochland citizens access and options for universal broadband service provision. The current COVID-19 Coronavirus pandemic makes one thing clear, citizens lacking affordable, reliable broadband are at a distinct disadvantage when it comes to both working and completing an education from home, thus making Port 80's proposed expansion even more critically important.

Fostering partnerships with providers in order to incentivize expansion of service to unserved & underserved areas of the county is a priority of our 10 Steps to Broadband Internet Initiative. Goochland County has established funding to assist in the expansion of rural broadband access in areas throughout the county. In support of this application, Goochland County will commit to funding up to one hundred thousand dollars (\$100,000) towards the project with Port 80 upon a successful VATI award and pursuant to a negotiated final agreement for the project's scheduling and performance terms.

Goochland County commits to connecting all existing county facilities and any future county facilities passed by Port 80 in the project area. Finally, we are willing to discuss any other partnerships or opportunities to collaborate in order to maximize financial resources and decrease the time to extend affordable, reliable, broadband to our residents.



OFFICE OF THE COUNTY ADMINISTRATOR

Derek L. Stamey, MPA
Interim County Administrator

Todd Kilduff, P.E.
Deputy County Administrator

www.goochlandva.us

Thank you for the opportunity to partner and support Port 80's expansion of fiber broadband via a VATI application. Please do not hesitate to reach out to Paul Drumwright, Administrative Services Manager (pdrumwright@goochlandva.us) or myself (dstamey@goochlandva.us) if we can be of further assistance in this partnership.

Respectfully,

Derek L. Stamey
Interim County Administrator

Donald E. Sharpe
1498 Old Oaks LN
Crozier, VA 23039
804.426.7822
donsharpe52@gmail.com

August 17, 2020

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

Re: VATI 2021 - Goochland County & Port 80 Internet Services, LLC

Dear Dr. Holmes:

I am pleased to offer my support and recommendation for the Virginia Telecommunication Initiative (VATI) 2021 application submitted by Goochland County and private provider Port 80 Internet Services, LLC.

I personally had been without high-speed broadband internet for 15 years due to the cable companies' business model that makes expansion of internet to rural areas challenging, if not impossible. Even with the advent of 'last mile grants' cable firms have not shown an eagerness to partner with our county to bring service to our residents and the county has previously been unable to apply for previous state grants.

Port 80 Internet Services, LLC last year came into a portion of our area in Goochland County and offered fiber optic internet services at a rate equal to the cable company, with faster upload and download speeds. We have been customers for a year and have been extremely happy. Their service model is completely unavailable through the cable provider operating in portions of Goochland. While they have expanded service to a portion of the area, a large unserved area remains

I too am a member of the Board of Supervisors in Goochland County. A constant struggle is the need to provide quality, competitive internet services to our rural county. The COVID-19 pandemic has proven we are at a distinct disadvantage of being able to properly provide distance learning because a large number of our school aged children do not have access to high speed internet. This disadvantage is now exacerbated as Goochland County Public Schools begins a full virtual start to the school year, leaving some students with few options. Companies like Port 80 Internet Services, LLC are one of the few providers who have expressed any interest in trying to help solve this problem. Whereas larger providers have expressed

interest in building out the far western part of our county, my constituents in the middle of Goochland County are completely unserved and underserved.

Port 80 Internet Services, LLC have provided an exceptional product, via a fair pricing model and approval of their VATI 2021 application would be an invaluable asset to my constituents. They are actively interested in and willing to deploy internet in my district and funding through the VATI program will make it a reality. I recommend without reservation that the Virginia Department of Housing and Community Development approve Goochland County and Port 80 Internet Services LLC's VATI 2021 application.

Respectfully,

A handwritten signature in black ink, appearing to read 'Donald E. Sharpe', is written over a horizontal line. The signature is somewhat stylized and scribbled.

Donald E. Sharpe
Supervisor, District 4
Goochland County, VA



Jeremy J. Raley, Ed.D.,
Superintendent

P.O. Box 169
2938-I River Road West
Goochland, VA 23063-0169

(804) 556-5630 phone
(804) 556-3847 fax
goochlandschools.org

August 17, 2020

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

Dear Dr. Holmes:

I am writing on behalf of Goochland County Public Schools (GCPS) to support Goochland County and Port 80 Internet Services, LLC's application for the Virginia Telecommunication Initiative (VATI) 2021 grant opportunity through the Virginia Department of Housing and Community Development. We understand this grant application will support Port 80 Internet Services, LLC's existing efforts to bring high speed internet to the rural and long unserved sections of Goochland County.

We are extremely grateful to Port 80 Internet Services, LLC for recognizing the most fundamental and urgent need for broadband in our rural community, especially during the COVID-19 pandemic. This project will help level the playing field for our students, citizens, businesses, and agricultural community with expanded opportunities to digitally connect. GCPS estimates that currently 30% of students lack high speed broadband access. As GCPS transitions to a full virtual start to the school year it is critical important that all students have equal access to learning. Connections afforded through this grant opportunity will provide a better learning experience and environment for Goochland students. It should be noted that they chose the specific geographic area for this grant opportunity due to the very large number of citizens who are unserved by high-speed broadband.

Port 80 Internet Services, LLC has already been a reliable partner in extending access to reliable, high-speed internet in a small unserved area of Goochland County. This grant will allow them to continue expanding service offerings connecting citizens who desperately need it.

The COVID-19 pandemic has shown us that high-speed broadband is no longer "optional infrastructure", it is a critical component for any successful community to keep citizens connected and to achieve a sustainable future of rural localities. Access to high-speed internet will positively impact our students, county, businesses, and residents. I appreciate your consideration and the opportunity to voice our support for Goochland County and Port 80 Internet Services, LLC's application for the VATI 2021 Grant opportunity.

Sincerely,

Jeremy J. Raley, Ed.D.
Superintendent

JJR/db

BOARD OF SUPERVISORS

AUBREY M. STANLEY, CHAIRMAN
BEAVERDAM DISTRICT

SEAN M. DAVIS, VICE CHAIRMAN
HENRY DISTRICT

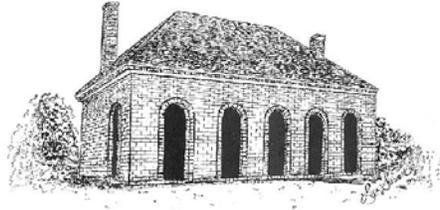
SUE P. DIBBLE
SOUTH ANNA DISTRICT

F. MICHAEL HERZBERG IV
COLD HARBOR DISTRICT

ANGELA KELLY-WIECEK
CHICKAHOMINY DISTRICT

W. CANOVA PETERSON
MECHANICSVILLE DISTRICT

FAYE O. PRICHARD
ASHLAND DISTRICT



HANOVER COURTHOUSE

HANOVER COUNTY

ESTABLISHED IN 1720

COUNTY ADMINISTRATOR'S OFFICE

JOHN A. BUDESKY
COUNTY ADMINISTRATOR

FRANK W. HARKSEN, JR.
DEPUTY COUNTY ADMINISTRATOR

KATHLEEN T. SEAY
DEPUTY COUNTY ADMINISTRATOR

JAMES P. TAYLOR
DEPUTY COUNTY ADMINISTRATOR

WWW.HANOVERCOUNTY.GOV

P.O. BOX 470, HANOVER, VA 23069
7516 COUNTY COMPLEX ROAD, HANOVER, VA 23069

PHONE: 804-365-6005
FAX: 804-365-6234

August 17, 2020

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

Re: VATI 2021 - Goochland County & Port 80 Internet Services, LLC Application

Dear Dr. Holmes:

Expanding broadband to unserved areas of Hanover is critically important for our citizens, businesses, and students. Hanover County has demonstrated this through our pursuit of Virginia Telecommunication Initiative (VATI) 2021 grant applications.

Recently Hanover County was informed that our neighboring locality, Goochland County, is including plans to serve a half dozen homes in Hanover via their Port 80 Internet Services, LLC VATI project. These homes are located along a road that is primarily in Goochland, but dips into Hanover on a tiny section. Inclusion of these homes in Goochland's project ensures these homes are not passed over and prevents the need for a more expensive project to serve them in the future.

As such, Hanover County is pleased to offer our support for the inclusion of these homes in Goochland County and Port 80 Internet Services, LLC's VATI 2021 application.

Respectfully,

Frank W. Harsen
Deputy County Administrator



COUNTY OF LOUISA
Office of the County Administrator

August 17, 2020

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

Re: VATI 2021 - Goochland County & Port 80 Internet Services, LLC Application

Dear Dr. Holmes:

Expanding broadband to unserved areas of Louisa is critically important for our citizens, businesses, and students. Louisa County has demonstrated this through our previous pursuits of Virginia Telecommunication Initiative (VATI) grant opportunities.

Recently Louisa County was informed that our neighboring locality, Goochland County, is including plans to serve a half dozen homes in Louisa via their Port 80 Internet Services, LLC VATI project. These homes are located along a road that is in Goochland, but the parcels they are located on are actually in Louisa. Inclusion of these homes in Goochland's project ensures these homes are not passed over and prevents the need for a more expensive project to serve them in the future.

Based on our knowledge of the project at this time, Louisa County is pleased to offer our support for this effort.

Very respectfully,

Christian R. Goodwin, ICMA-CM
County Administrator

CDBG Derivation of Cost

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

Product	Total	VATI	Non-VATI	Source of Estimate	Date
Backbone & Lateral Construction Cost	\$ 1,165,781.72	\$ 766,831.56	\$ 398,950.16	Hosted Backbone, LLC	8/10/2020
Drop Installation (Assuming 80% Take Rate)	\$ 202,720.00	\$ 130,899.20	\$ 71,820.80	Port 80 Internet Services	8/10/2020
Node Cabinet (Rt 6 @ Cardwell)	\$ 5,289.00	\$ 5,289.00	\$ -	DDB Unlimited	8/10/2020
Node Cabinet (Genito Rd)	\$ 3,995.00	\$ 3,995.00	\$ -	DDB Unlimited	8/10/2020
Generator (Rt 6 @ Cardwell)	\$ 3,990.00	\$ 3,990.00	\$ -	Electric Generators Direct	8/10/2020
Generator (Genito Rd)	\$ 3,617.06	\$ 3,617.06	\$ -	Electric Generators Direct	8/10/2020
GPON Equipment	\$ 10,896.91	\$ 10,896.91	\$ -	Various Sources	8/17/2020
UPS Units	\$ 5,345.03	\$ 5,345.03	\$ -	Ingram Micro	8/10/2020
Cisco Routing Equipment	\$ 18,000.00	\$ 18,000.00	\$ -	Ingram Micro	8/10/2020

CDBG Derivation of Cost

Propane Tanks (Installed)	\$ 7,840.00	\$ 7,840.00	\$ -	Woodfin	8/11/2020
ONT's, Inside Wiring Equipment, Installation (Assuming 80% Take Rate)	\$ 106,920.00	\$ 60,264.00	\$ 46,656.00	Various Sources	8/14/2020
	\$ -	\$ -	\$ -		
	\$ -	\$ -	\$ -		
	\$ -	\$ -	\$ -		
	\$ 1,534,394.72	\$ 1,016,967.76	\$ 517,426.96		

CDBG Derivation of Cost

30000

CDBG Derivation of Cost

CDBG Derivation of Cost

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

Product	Total	VATI	Non-VATI	Source of Estimate	Date
Backbone & Lateral Construction Cost	\$ 529,824.02	\$ 335,778.08	\$ 194,045.94	Hosted Backbone, LLC	8/10/2020
Drop Installation (Assuming 80% Take Rate)	\$ 117,320.00	\$ 75,755.20	\$ 41,564.80	Port 80 Internet Services	8/10/2020
Node Cabinet	\$ 3,995.00	\$ 3,995.00	\$ -	DDB Unlimited	8/10/2020
Generator	\$ 3,617.06	\$ 3,617.06	\$ -	DDB Unlimited	8/10/2020
GPON Equipment	\$ 10,896.91	\$ 10,896.91	\$ -	Various Sources	8/17/2020
UPS Units	\$ 3,563.35	\$ 3,563.35	\$ -	Ingram Micro	8/10/2020
Cisco Routing Equipment	\$ 18,000.00	\$ 18,000.00	\$ -	Ingram Micro	8/10/2020
Propane Tanks (Installed)	\$ 3,920.00	\$ 3,920.00	\$ -	Woodfin	8/11/2020
ONT's, Inside Wiring Equipment, Installation (Assuming 80% Take Rate)	\$ 63,360.00	\$ 35,712.00	\$ 27,648.00	Various Sources	8/14/2020

CDBG Derivation of Cost

	\$ -	\$ -	\$ -		
	\$ -	\$ -	\$ -		
	\$ -	\$ -	\$ -		
	\$ 754,496.34	\$ 491,237.60	\$ 263,258.74		

CDBG Derivation of Cost

30000

CDBG Derivation of Cost

Hosted Backbone1702 Bridgewater Court
Maidens, VA 23102**Proposal****Proposal Date:** 8/10/2020**Proposal #:** 17HB-4957**Project:** Goochland VATI ...**Bill To:**Port 80 Internet Services
PO Box 1
Oilville, VA 23129

Description	Qty	Rate	Total
Job Design & Engineering - Per Foot	5,280	0.12	633.60
VDOT Permitting - Per Foot - Average	5,280	0.11761	620.98
VDOT Bonding - Per Foot - Average	5,280	0.10	528.00
Design, Engineering, Permitting, and Bonding			1,782.58
Fiberglass Handhole - 20,000 pound lid, 24" x 36" x 24"	6	412.50	2,475.00
Innerduct - 2.00" SDR13.5 orange smoothwall with tape	5,500	1.06	5,830.00
Fiber Optic Cable, Single Mode, 72-strand loose, single jacket, single armor	6,100	0.84	5,124.00
Conduit plowing - Per Foot - with traffic control, 36" cover, with restoration	4,080	2.25	9,180.00
Cable Directional Boring - Per Foot - with restoration	1,200	7.00	8,400.00
Cable pulling through conduit with existing pullstring or mule tape	5,280	0.75	3,960.00
Outdoor Marker Pole - Flat 72" Fiberglass 2 rail w/ label	6	34.40	206.40
Placing conduit, fiber, and restoration			35,175.40
FOSC 450 MULTIPLE CABLE GEL WRAP FOR UP TO 4 CABLES GEL ONLY	4	13.1625	52.65
FOSC 450A Splice Closure	4	169.1725	676.69
FOSC 12-count splice tray for A cases	8	19.00	152.00
FOSC 450B Gell drop seal block FAK-MULDRP-45BSEAL-FLAT4	1	49.00	49.00
FOSC 450B Splice Closure	1	262.19	262.19
FOSC 450B 24ct Splice Tray	2	29.00	58.00
Fiber splicing - Per Strand with supplies	60	15.00	900.00
Inside Plant, Splicing			2,150.53
Total			\$39,108.51



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800-800-3317 Help



- Portable
- Home Standby
- Commercial
- RV PTO
- Transfer Switches
- Accessories
- How-To Library
- Specials

Essential Business Delays: Get order status & support now.

[Home / Cart Contents](#)

Order Summary (2 Items)

Sub-Total	\$4,107.99
Estimated Shipping	\$0.00
Estimated Tax	\$217.73
Shipping & Tax for MAIDENS, VA	▼
Tax Exempt Purchases	
Total	\$4,325.72

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Portable	Home Standby	Commercial	RV	PTO	Transfer Switches	Accessories	How-To Library	Specials	
Item					Quantity	Price			

The Following Product(s) Will Ship Via Standard Shipping



Kohler RXT Series 100-Amp Outdoor Automatic Transfer Switch (Service Disconnect)

Model: **RXT-JFNC-0100ASE**

Local Installation Quote [?](#)

No, I Am The Installer ▼

This Item Is Built To Order

1

[Update](#)
[Remove](#)

\$532.00

Standard Shipping

The Following Product(s) Will Ship Via Freight Shipping



Kohler 14KW Composite Home Standby Generator

Model: **14RESA**

Battery [?](#)

Add Group 51 Battery (+\$99.99) ▼

Lift Gate Service [?](#)

No, We Can Handle It Ourselves ▼

1

[Update](#)
[Remove](#)

\$3,476.00

Freight Shipping



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- Portable
- Home Standby
- Commercial RV PTO
- Transfer Switches
- Accessories
- How-To Library
- Specials

Please Choose Which Freight Shipping Option You Would Like

Standard Freight Shipping: 4 - 7 Business Days

[Remove All Products](#)

[Proceed to Checkout](#)

[Email Cart](#)

Worry-Free Guarantee



Low-Price Guarantee



Returns



Warranties



Secure Shopping

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Enter Email Address

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[Resources](#)





DDB Unlimited, Inc.
 PO BOX 669
 Wynnewood, OK, 73098
 Phone: 800-753-8459
 Fax: 877-220-7236
 www.ddbunlimited.com

REMIT TO:
DDB UNLIMITED INC
DEPT 960402
OKLAHOMA CITY, OK
73196-0402

Quote

Quote No.: 043959
 Quote Date: 8/3/2020
 Customer ID: HOSTEDBACKBONE

BILL TO:	SHIP TO:
HOSTED BACKBONE 1702 BRIDGEWATER CT MAIDENS VA 23102 United States of America 804-677-9544 Attn: EVAN S WEINER	HOSTED BACKBONE 1702 BRIDGEWATER CT MAIDENS VA 23102 United States of America 804-677-9544 Attn: EVAN WEINER

CUSTOMER P.O. NO.	TERMS	CONTACT
	Credit Card	EVAN S WEINER
FOB POINT	SALES REP	SHIP VIA
Pauls Valley OK	TAMMY	Customer Schedule Freight

CST LINE #	ITEM	ALT ID.	QTY.	PRICE	EXTENDED PRICE
	NOTES		1.000	0.000	0.00
	NOTE: LEAD TIME: 3 - 5 BUSINESS DAYS WHILE IN STOCK PLUS TRANSIT TIME				
OD-78DDC	78"H x 25"W x 34"D		1.000	2,239.000	2,239.00
	<ul style="list-style-type: none"> • 15 YEAR WARRANTY • FRONT AND REAR DOORS • 3 POINT PAD LOCKING SYSTEM • ALUMASHIELD™ TOP SOLAR SHIELD • POWDER COAT TEXTURED CREAM FINISH • .125 ALUMINUM CONSTRUCTION w/ ALUMAFLEX • STAINLESS STEEL EXTERIOR HARDWARE • NON-ENVIRONMENTALLY LISTED, CONFIGURABLE TO NEMA 3R CLASS 250 (STANDARD), 4 OR 4X (OPTIONAL), • ONE REMOVABLE FILTER PANEL PER DOOR • 2 SETS OF ADJUSTABLE 19" RACKING RAILS <ul style="list-style-type: none"> o 42 RACKING UNITS / RAIL SET o w/ ETCHED RU RAIL MARKINGS • (4) 1.25" CABLE PASS THRU HOLE ON EACH RAIL • SAFETY RATED ETL Listed to UL standards • ANSI/UL 60950-1/CSA C22.2 No. 60950-1 • OVERALL DIMENSIONS: 79"H x 28"W x 39"D 				
OD-INS	1/2" insulation for OD series enclosures		1.000	167.000	167.00
	NOTE: INSTALL MRP				
ACP-6000-N36-110	6,000 BTU PENTAIR AIR CONDITIONER UNIT 36"H x 11.5"W x 14"D 1300 WATTS OF HEAT 115 VOLT, 100 LBS, 50/60Hz, UL/CUL, CE 2 YEAR MANUFACTURER'S WARRANTY •1st YEAR PARTS AND LABOR •2nd YEAR PARTS		1.000	2,833.000	2,833.00
	NOTE: INSTALL REAR DOOR MRP				
ZP-NDCP	OD DOOR LOUVER COVER PLATE, UNPAINTED, FOR THE 3 LOUVER SET UP		1.000	50.000	50.00
	NOTE: INSTALL FRONT & REAR MRP (PLATE & SEAL)				

Continued...

FEIN 75-2775273



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 Wynnewood, OK, 73098
 Phone: 800-753-8459
 Fax: 877-220-7236
 www.ddbunlimited.com

REMIT TO:
DDB UNLIMITED INC
DEPT 960402
OKLAHOMA CITY, OK
73196-0402

Quote

Quote No.: 043959
 Quote Date: 8/3/2020
 Customer ID: HOSTEDBACKBONE

CST LINE #	ITEM	ALT ID.	QTY.	PRICE	EXTENDED PRICE
------------	------	---------	------	-------	----------------

*****Due to rising material costs All Quotes are now Valid for 30 Days and subject to material cost surcharge*****
 Freight quote only good for 30 days
 Note: If freight is not detailed on this quote, it will be prepaid and added to invoice.
 Please see our Terms and Conditions
<http://www.ddbunlimited.com/warranty-return-policy.html>
 DDB Unlimited, Inc. is an Affirmative Action/Equal Opportunity Employer.
 <<<TO ACCEPT THIS QUOTE AND CONFIRM ORDER - PLEASE SIGN AND RETURN >>>
 SIGNATURE _____

Total (USD): 5,289.00

We Make Buying Technical Products Simple **Free Shipping on Generators & Accessories** When Purchased Together



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Essential Business Delays: Get order status & support now.

[Home / Cart Contents](#)

Order Summary (2 Items)

Sub-Total	\$3,435.00
Estimated Shipping	\$0.00
Estimated Tax	\$182.06
Shipping & Tax for MAIDENS, VA	▼
Tax Exempt Purchases	
Total	\$3,617.06

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Monday - Thursday: 8am - 5pm CST, Friday: 9am - 5pm CST

Shopping Cart (2 Items)

Item	Quantity	Price
------	----------	-------

The Following Product(s) Will Ship Via Standard Shipping



Kohler RXT Series 100-Amp Outdoor Automatic Transfer Switch (Service Disconnect)

Model: **RXT-JFNC-0100ASE**

Update
Remove

\$532.00

Standard
Shipping

Local Installation Quote [?](#)

This Item Is Built To Order

The Following Product(s) Will Ship Via Freight Shipping



Kohler 12RESV - 12 kW Home Standby Generator

Model: **12RESV**

Update
Remove

\$2,903.00

Freight Shipping

Lift Gate Service [?](#)

Local Installation Quote [?](#)

Ships in 2-5 Business Days

Please Choose Which Freight Shipping Option You Would Like

Standard Freight Shipping: 4 - 7 Business Days

Remove All Products

Proceed to Checkout

 **Email Cart**

Worry-Free Guarantee



Low-Price Guarantee



Returns



Warranties



Secure Shopping

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Resources



How to Library

Product Reviews

Recommendations



(<https://store.ddbunlimited.com/>).



On 03-24-2020 DDB Unlimited upgraded our online store to better serve you! Unfortunately, there was some slight and unavoidable data loss. While all of your orders were received and processed, any user accounts created after 11-15-2019 are no longer available. However, you are able to recreate your account again at any time. We apologize for this inconvenience, and please let us know how we can better serve.

[Read about DDB Unlimited, the Coronavirus, and our Supply Chain \(https://www.ddbunlimited.com/coronavirus-supply-chain-letter/\)](https://www.ddbunlimited.com/coronavirus-supply-chain-letter/)

AVAILABILITY: IN STOCK

SKU 5g-lte

\$3,995.00

~~\$4,495.00~~

527Days14Hours30Minutes43Seconds

Quantity:

ADD TO CART

[Add to wishlist](#)

[Add to compare](#)

5G LTE: 82"H x 43"W x 49"D, 0.125" Aluminum Construction, Stainless Steel External Hardware/Hinge, 3 Point Lock System, Heavy Duty Out-Door Construction, Front and Rear Access, Flexible and Scalable, 15 Year Warranty.





Details

Why Choose the 5G-LTE Series?

The 5G-LTE series enclosure is the new evolution and standard for outdoor equipment racking applications. Being constructed of our Alumiflex® material, you'll find it noticeably lighter than steel, yet strong enough to rack even the heaviest equipment. We have taken everything that was great about the LTEE and made it better. With the 5G-LTE, you will continue to find all the standard features you need including HVAC climate control, electrical load panel and side spool cabinet, but we didn't stop there. We have added extra battery support for the increasing needs of battery backup, reversible 19' or 23" rack rails using our versatile "R-strut system" and improved the security and sealing ability of the 3-point locking system to give greater security and weather protection making this a superb battery enclosure. Again, and again, DDB leads the way with advanced design and features that just work. All while being the most competitively priced and readily available enclosure on the market. Put DDB's substantial stock to work for you today. Contact our professional staff to assist you with your made-to-order solution.

Features

- 0.125" Aluminum Construction
- Stainless Steel External Hardware/Hinge
- 3 Point Lock System
- Heavy Duty Out-Door Construction
- Front and Rear Access
- Flexible and Scalable

15 Year Warranty
Quick Shipping
Solar Shield (Alumishield)
19" or 23" Reversible Adjustable Racking Rails
Electrical Outlet
3 Point Locking System
Powder Coat White
Battery Compartment
4000 BTU HVAC
Spool-Up Box
8 Space 50 Amp LC

Application Types

Telecommunications
Wireless/Broadband
Fiber Optics
Back Haul
Public Safety
Utility
Base Station
Military
Wi-Fi
LTEE/4G/5G

Industry Standards

NEMA 4 (Top Compartment)(Unlisted)
NEMA 3R (Battery Compartment)(Unlisted)
ETL listed to UL Standard 60950-1/CSA 22.2C

Weight and Dimensions

Approximate Exterior Enclosure Dimensions: 82"H x 43"W x 49"D
Shipping Dimensions: 45"W x 60"L – Palletized
Approximate Shipping Weight: 525 lbs.

For more information, please visit: <https://www.ddbunlimited.com/outdoor-enclosures/lte-series/5g-lte/>
(<https://www.ddbunlimited.com/outdoor-enclosures/lte-series/5g-lte/>).

More Information

 [Back to top](#)



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DDB Unlimited is an OEM NEMA Outdoor Enclosure Manufacturer. We provide a large variety of standard sizes. Designed for the telecommunication industry, our enclosures can be deployed in harsh outdoor environments both rural or residential.

Solutions

- + [Monthly Specials \(/specials.html\)](/specials.html).
- + [Single Bay Outdoor \(/single-bay-outdoor.html\)](/single-bay-outdoor.html).
- + [Double Bay Outdoor \(/double-bay-outdoor.html\)](/double-bay-outdoor.html).
- + [LTE \(/single-bay-outdoor/lte.html\)](/single-bay-outdoor/lte.html).
- + [Utility \(/utility.html\)](/utility.html).
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- + [Accessories \(/accessories.html\)](/accessories.html).
- + [Price Match Guarantee \(/price-match-guarantee.html\)](/price-match-guarantee.html).
- + [15 Year Warranty \(/15-year-warranty.html\)](/15-year-warranty.html).

Resources

- + [Warranty & Returns \(https://www.ddbunlimited.com/resources/warranty-return-policy/\)](https://www.ddbunlimited.com/resources/warranty-return-policy/).
- + [Shipping Policy \(https://www.ddbunlimited.com/resources/international-shipping-policy/\)](https://www.ddbunlimited.com/resources/international-shipping-policy/).
- + [Enclosure Applications \(https://www.ddbunlimited.com/resources/enclosure-uses/\)](https://www.ddbunlimited.com/resources/enclosure-uses/).
- + [Downloads \(https://www.ddbunlimited.com/resources/downloads/\)](https://www.ddbunlimited.com/resources/downloads/).
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- + [NDA \(https://www.ddbunlimited.com/nda/\)](https://www.ddbunlimited.com/nda/).

Company Info

 2301 US-77, Pauls Valley, OK 73075

 + [1-800-753-8459 \(tel:18007538459\)](tel:18007538459)

 + [sales@ddbunlimited.com \(mailto:sales@ddbunlimited.com\)](mailto:sales@ddbunlimited.com)

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We Make Buying Technical Products Simple **Free Shipping on Generators & Accessories** When Purchased Together



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Help



- Portable
- Home Standby
- Commercial RV PTO
- Transfer Switches
- Accessories
- How-To Library
- Specials

Essential Business Delays: Get order status & support now.

[Home / Cart Contents](#)

Order Summary (2 Items)

Sub-Total	\$3,435.00
Estimated Shipping	\$0.00
Estimated Tax	\$182.06
Shipping & Tax for MAIDENS, VA	▼
Tax Exempt Purchases	
Total	\$3,617.06

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Need help? Call us at 1 (800) 800-3317

Monday - Thursday: 8am - 5pm CST, Friday: 9am - 5pm CST

Shopping Cart (2 Items)

Item	Quantity	Price
------	----------	-------

The Following Product(s) Will Ship Via Standard Shipping



Kohler RXT Series 100-Amp Outdoor Automatic Transfer Switch (Service Disconnect)

Model: **RXT-JFNC-0100ASE**

Local Installation Quote [?](#)

No, I Am The Installer ▼

This Item Is Built To Order

1

Update
Remove

\$532.00

Standard
Shipping

The Following Product(s) Will Ship Via Freight Shipping



Kohler 12RESV - 12 kW Home Standby Generator

Model: **12RESV**

Lift Gate Service [?](#)

No, We Can Handle It Ourselves ▼

Local Installation Quote [?](#)

No, I Am The Installer ▼

1

Update
Remove

\$2,903.00

Freight Shipping

Ships in 2-5 Business Days

Please Choose Which Freight Shipping Option You Would Like

Standard Freight Shipping: 4 - 7 Business Days

Remove All Products

Proceed to Checkout

 **Email Cart**

Worry-Free Guarantee



Low-Price Guarantee



Returns



Warranties



Secure Shopping

Email Signup

Enter Email Address

Sign Up

Resources



How to Library

Product Reviews

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(<https://store.ddbunlimited.com/>).



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AVAILABILITY: IN STOCK

SKU 5g-lte

\$3,995.00

~~\$4,495.00~~

527Days14Hours30Minutes28Seconds

Quantity:

ADD TO CART

[Add to wishlist](#)

[Add to compare](#)

5G LTE: 82"H x 43"W x 49"D, 0.125" Aluminum Construction, Stainless Steel External Hardware/Hinge, 3 Point Lock System, Heavy Duty Out-Door Construction, Front and Rear Access, Flexible and Scalable, 15 Year Warranty.





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- 0.125" Aluminum Construction
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- Front and Rear Access
- Flexible and Scalable

15 Year Warranty
Quick Shipping
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19" or 23" Reversible Adjustable Racking Rails
Electrical Outlet
3 Point Locking System
Powder Coat White
Battery Compartment
4000 BTU HVAC
Spool-Up Box
8 Space 50 Amp LC

Application Types

Telecommunications
Wireless/Broadband
Fiber Optics
Back Haul
Public Safety
Utility
Base Station
Military
Wi-Fi
LTEE/4G/5G

Industry Standards

NEMA 4 (Top Compartment)(Unlisted)
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ETL listed to UL Standard 60950-1/CSA 22.2C

Weight and Dimensions

Approximate Exterior Enclosure Dimensions: 82"H x 43"W x 49"D
Shipping Dimensions: 45"W x 60"L – Palletized
Approximate Shipping Weight: 525 lbs.

For more information, please visit: <https://www.ddbunlimited.com/outdoor-enclosures/lte-series/5g-lte/>
(<https://www.ddbunlimited.com/outdoor-enclosures/lte-series/5g-lte/>).

More Information

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in

[. \(https://www.linkedin.com/company/ddb-](https://www.linkedin.com/company/ddb-unlimited)

f  **unlimited-**

[. \(https://www.youtube.com/channel/UC5e1edL0es1f1ed11\)](https://www.youtube.com/channel/UC5e1edL0es1f1ed11)

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(RETAIN FOR YOUR RECORDS)
Form 477 Filing Summary

FRN: 0026899609 | Data as of: Dec 31, 2019 | Operations: Non-ILEC | Submission Status: Original - Submitted | Last Updated: May 20, 2020 10:40:57

Filer Identification

Section	Question	Response
Filer Information	Company Name	Port 80 Internet Services
	Holding Company Name	Hosted Backbone, LLC
	SAC ID	
	499 ID	832731
Data Contact Information	Data Contact Name	Evan S. Weiner
	Data Contact Phone Number	(804) 549-4899
	Data Contact E-mail	eweiner@hostedbackbone.net
Emergency Operations Contact Information	Emergency Operations Name	Evan S. Weiner
	Emergency Operations Phone Number	(804) 549-4899
	Emergency Operations E-mail	eweiner@hostedbackbone.net
Certifying Official Contact Information	Certifying Official Name	Evan S. Weiner
	Certifying Official Phone Number	(804) 549-4899
	Certifying Official E-mail	eweiner@hostedbackbone.net

Data Submitted

Form Section	File Name	Date & Time	Number of Rows
Fixed Broadband Deployment	6_fixed_broadband_deployment2020-05-20_101838.csv	May 20, 2020 10:20:23	10
	7_fixed_broadband_deployment2020-05-20_101846.csv	May 20, 2020 10:20:22	17
Fixed Broadband Subscription	11_fixed_broadband_subscription2020-05-20_103551.csv	May 20, 2020 10:39:22	22

Fixed Broadband Deployment

Census Block Counts by State, DBA Name and Technology

State	DBA Name	Technology	Blocks
Kansas	Hosted Backbone, LLC	Terrestrial Fixed Wireless	1
Tennessee	Hosted Backbone, LLC	Terrestrial Fixed Wireless	1
Virginia	Hosted Backbone, LLC	Optical Carrier/Fiber to the End User	12
		Terrestrial Fixed Wireless	3
	Port80 Internet Services	Optical Carrier/Fiber to the End User	10

State	DBA Name	Technology	Blocks
Total			27

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	20	50	15	65
	Terrestrial Fixed Wireless	2	0	3	3
Total		22	50	18	68

Fixed Broadband Subscriptions by Bandwidths and End-user Type

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
10.000	10.000	0	1	1
100.000	100.000	40	8	48
105.000	105.000	4	0	4
200.000	200.000	5	1	6
300.000	300.000	0	1	1
1000.000	1000.000	1	0	1
10000.000	10000.000	0	7	7
Total		50	18	68

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	10.000	0	1	1
	100.000	100.000	40	5	45
	105.000	105.000	4	0	4
	200.000	200.000	5	1	6
	300.000	300.000	0	1	1
	1000.000	1000.000	1	0	1
	10000.000	10000.000	0	7	7
Terrestrial Fixed Wireless	100.000	100.000	0	3	3
Total			50	18	68

(RETAIN FOR YOUR RECORDS)
Form 477 Filing Summary

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Filer Identification

Section	Question	Response
Filer Information	Company Name	Hosted Backbone, LLC
	Holding Company Name	Hosted Backbone, LLC
	SAC ID	
	499 ID	832731
Data Contact Information	Data Contact Name	Evan Weiner
	Data Contact Phone Number	(804) 549-4899
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Data Submitted

Form Section	File Name	Date & Time	Number of Rows
Fixed Broadband Deployment	15_fixed_broadband_deployment2020-07-13_113148.csv	Jul 13, 2020 11:37:54	18
	14_fixed_broadband_deployment2020-07-13_113145.csv	Jul 13, 2020 11:37:53	10
Fixed Broadband Subscription	18_fixed_broadband_subscription2020-07-13_113152.csv	Jul 13, 2020 11:44:55	16
	17_fixed_broadband_subscription2020-07-13_113150.csv	Jul 13, 2020 11:40:58	6

Fixed Broadband Deployment

Census Block Counts by State, DBA Name and Technology

State	DBA Name	Technology	Blocks
Kansas	Hosted Backbone, LLC	Terrestrial Fixed Wireless	1
Tennessee	Hosted Backbone, LLC	Terrestrial Fixed Wireless	1
Virginia	Hosted Backbone, LLC	Optical Carrier/Fiber to the End User	12
		Terrestrial Fixed Wireless	4

State	DBA Name	Technology	Blocks
	Port80 Internet Services	Optical Carrier/Fiber to the End User	10
Total			28

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	20	53	16	69
	Terrestrial Fixed Wireless	2	0	3	3
Total		22	53	19	72

Fixed Broadband Subscriptions by Bandwidths and End-user Type

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
10.000	10.000	0	1	1
100.000	100.000	40	8	48
105.000	105.000	7	0	7
200.000	200.000	5	1	6
300.000	300.000	0	1	1
1000.000	1000.000	1	0	1
10000.000	10000.000	0	8	8
Total		53	19	72

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	10.000	0	1	1
	100.000	100.000	40	5	45
	105.000	105.000	7	0	7
	200.000	200.000	5	1	6
	300.000	300.000	0	1	1
	1000.000	1000.000	1	0	1
	10000.000	10000.000	0	8	8
Terrestrial Fixed Wireless	100.000	100.000	0	3	3
Total			53	19	72

Goochland County

10 Steps to Broadband
Internet Initiatives



Goal

Goochland County believes universal broadband internet access is essential for our community to support business, education endeavors, public safety, and everyday life. Therefore, we support the implementation of diverse Broadband/Internet strategies to provide all interested Goochland citizens access and options for universal service provision consistent with goals set by the Governor's Chief Broadband Advisor. While Goochland County seeks service for the entire county, providers are encouraged to prioritize efforts to focus on unserved areas before underserved areas.

Speed

The preferred speeds, at a minimum, are 25Mbps / 3Mbps speeds for broadband service. This is the industry standard for fixed broadband speed published by the Federal Communications Commission (FCC) in the 2019 Broadband Deployment Report. It is also the minimum broadband speed recognized by most federal and state broadband funding opportunities.

Where satellite and mobile wireless broadband are the only option for the purposes of this initiative they are not solely considered as sustainable broadband/internet options.

Delivery Methods

We envision a diverse network delivery consisting of multiple fiber and wireless options dependent on existing infrastructure and geography.

Cost

The most attractive proposals for broadband service will be ones that provide services at market rate or other reasonable price points that will take into account the underserved and lower income needs of some Goochland citizens. Consideration will also be given for customer choice and options for various service levels.

Regulation

Internet service provision is unregulated, and all providers are encouraged to provide service options to Goochland residents.

Strategies to Facilitate Achievement

I. Administrative Resources – Investment of Dedicated Staff Resources

- Administrative Services Manager will dedicate 1/3 of his time to facilitate grant applications, build coalitions, foster relationships with providers, serve as a liaison between residents and providers, and conduct data collection, etc. to accomplish. In addition, the County Administrator, the Deputy County Administrator for Community & Economic Development, and the County Information Technology Director will support county efforts to educate, encourage, and facilitate the expansion of broadband solutions to our residents.
- The county will continue to pursue legislative advocacy efforts with our state and federal representatives to eliminate barriers and increase resource availability for providers to expand broadband infrastructure.
- Form a local broadband advisory team consisting of county staff and community partner representatives including Goochland County Public Schools, the Pamunkey Regional Library, Reynolds Community College, Goochland County Economic Development, and Goochland County Fire-Rescue. The advisory team will meet throughout the year to discuss initiative plans and progress.



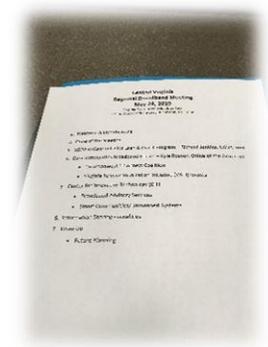
II. Focus Efforts of Regional Workgroup

Serve as regional leader to facilitate regional cooperation and solutions. Goochland has organized and hosted regional meetings on broadband for three years. Continue to host the workgroup meetings with Ashland, Charles City, Chesterfield, Cumberland, Fluvanna, Hanover, Louisa, New Kent, Powhatan, and PlanRVA. Previous meetings have included discussions with providers, representatives from the Governor's Office, Commonwealth of Virginia's Broadband Team, Center for Innovative Technology, and the United States Department of Agriculture (USDA) Rural Development office.



III. Citizen & Business Resources

- Website containing plans*
- Updates on county progress*
- Improved Maps*
- List of providers offering service*
- Community Survey – broadband availability/need*
- Speed test opportunities for residents to share speeds of existing service
- Identify ways to report issues to broadband & cellular providers
- Interactive form to report broadband & cellular need/issues
- Develop a list of Frequently Asked Questions (FAQ's)
- Economic Development staff will discuss broadband availability/needs during business visitations



** All will be available in print copies as well*

IV. Increased Local Access (\$50,000 Investment)

Establish enhanced opportunities for citizens to access broadband internet at local access points through expanded Hot Spots on and within public facilities.

- Goochland Branch Library
- Reynolds Community College – Goochland Campus
- Goochland County Public Schools
- Goochland County Fire Stations
- Central High Cultural and Educational Complex

Support Goochland County Public Schools existing initiative to provide students, demonstrating a financial need, with local access via Kajeet SmartSpots hot spots through a grant from the Goochland Education Foundation.

Establish educational partnerships with community stakeholders to help educate residents on the need and use of computers, smart phones, and other technology related to broadband. Will add and define specifics prior to public notification.

- Virginia Cooperative Extension – 4H Computer Education
- Goochland Parks & Recreation – future programs
- Pamunkey Regional Library – Goochland Branch - programs
- Goochland County Public Schools – robust internet safety education



Develop partnerships with the business community to promote additional hot spot sites and expand internet accessibility.

- Business community partnerships to promote initiative
- Highlight business hot spot locations
- Local partnerships for expanded service



V. Study (\$50,000 Investment)

The County will commit up to \$50,000 for necessary study and implementation plans. The study and plans will define focus areas and time frames to accomplish expansion efforts. The benefit of the study and plans will allow the County to target the focus of implementation consistent with goals set by the Governor’s Chief Broadband Advisor. It will also provide the County with improved data and maps to facilitate provider expansion and support future funding requests. In addition, it will identify where additional middle mile fiber installation would expand opportunities for greater citizen access to broadband.

VI. Open Door – Private Providers

All providers are welcome and encouraged to expand service to Goochland citizens. We support and encourage private enterprise success and given that the county is legislatively prohibited from being a provider.

VII. Foster Partnerships – Focus on Providers

Goochland will focus on fostering partnerships with providers in order to incentivize expansion of service to unserved & underserved areas of the county. Pursuit of state grant and funding opportunities require partnerships between local governments and private providers. Other federal or private funding opportunities may be more successful with similar partnerships.



VIII. Leverage Federal & State Efforts

Evaluate each federal and state grant or loan opportunity to determine if it is in the best interest of the county to pursue as a funding opportunity. It is important to leverage federal and state funding opportunities, but requirements including partnerships, maps, plans, restricted service areas may make it impossible to pursue.

- Community Development Block Grant (CDBG) – Broadband Planning Grant – Virginia Department of Housing and Community Development
- Virginia Telecommunication Initiative (VATI) – Virginia Department of Housing and Community Development
- Rural eConnectivity Pilot Program (ReConnect Program) – United States Department of Agriculture

IX. Infrastructure Support – Leveraging Tower & Fiber Network (\$1.66 Million Investment)

- County is willing to consider access/lease space of County assets (towers, fiber, facilities, property and existing infrastructure), and to work with providers in a manner that is encouraging, flexible, cost effective, and values the investment of broadband providers.
- County has a staff liaison for all necessary permits and approvals for broadband infrastructure.
- County values public education and service availability and sees the value of using its public information resources and media outlets for these purposes.
- County understands that more than one third-party provider may be interested and involved in the provision and expansion of broadband services but is mindful to avoid a detrimental effect on the service through frequency conflicts.
- To the extent feasible, the County is open to assisting broadband providers with pursuing federal or state broadband funding opportunities to help offset the capital costs of broadband access and capacity.
- County, where appropriate, would serve as anchor tenants to any private partner(s)' broadband networks to provide recurring revenue source, so long as the service provided to the County is equal to or better than the current pricing and quality of service currently being provided.



X. Financial Investments (\$400,000 Investment)

1. Provide tax increment incentives to providers in-partnership with the Goochland County Economic Development Authority (EDA) to provide.
2. County in partnership with the EDA will commit up to \$200,000 for grants, matches, or as incentives to providers. The County will provide \$125,000 and \$75,000 provided by the EDA.
3. County in partnership with the EDA will offer a low interest loan incentive up to \$200,000 to incentivize service delivery. The County will provide \$125,000 and \$75,000 provided by the EDA.