

# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

---

**Application ID:** 86508242021153115

**Application Status:** Pending

**Program Name:** Virginia Telecommunications Initiative 2022

**Organization Name:** Thomas Jefferson Planning District Commission

**Organization Address:** 401 E. Water Street  
Charlottesville, VA 22902

**Profile Manager Name:** Christine Jacobs

**Profile Manager Phone:** (434) 979-7310

**Profile Manager Email:** cjacobs@tjpd.org

**Project Name:** TJPDC/Firefly - RISE 2021 - VATI

**Project Contact Name:** David Blount

**Project Contact Phone:** (434) 422-4820

**Project Contact Email:** dblount@tjpd.org

**Project Location:** 401 E. Water St.  
Charlottesville, VA 22902-5241

**Project Service Area:** Albemarle County, Amherst County, Appomattox County, Buckingham County, Campbell County, Cumberland County, Fluvanna County, Goochland County, Greene County, Louisa County, Madison County, Nelson County, Powhatan County

**Total Requested Amount:** \$85,898,884.00

**Required Annual Audit Status:** Accepted

# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

## Budget Information:

Cost/Activity Category	DHCD Request	Other Funding	Total
Telecommunications	\$85,898,884.00	\$221,867,576.00	\$307,766,460.00
Construction	\$85,898,884.00	\$221,867,576.00	\$307,766,460.00
<b>Total:</b>	<b>\$85,898,884.00</b>	<b>\$221,867,576.00</b>	<b>\$307,766,460.00</b>

### Budget Narrative:

This regional project completes the quest for universal broadband access for 13 counties in central Virginia, assuring every family and every business presently unserved will receive access to gigabit speed, world class broadband service. The project will require a total of \$307,766,460 and pass 40,077 locations. It will place another 4300 miles of fiber in the rural region, providing a future-proof asset that provides a sustainable and scalable telecommunications network which will benefit the region and Commonwealth for decades into the future. The project brings together investment from three utilities familiar with rural infrastructure and local matching fund investment from 13 counties. While the universal nature of the project in these rural areas requires sometimes long spans with few subscribers, building the entire network at once makes the project feasible with the help of the requested Department of Housing and Community Development Virginia Telecommunications Initiative (VATI) funds of \$85,898,884. With that 27.9% portion of the project investment from VATI grant funds, the project will reach a population of more than 100,000 Virginians and allow them access to the same essential utility that their urban neighbors have now enjoyed for decades. The per passing cost is elevated due to the lower density of passings and the anticipated increases in labor and materials due to the focused increase in fiber construction across the United States. The need for the public matching funds to help offset the higher cost of placing fiber infrastructure in rural central Virginia has never been greater, and the need for universal access to broadband has never been more pronounced. The proposal balances public grant funding with private investment to bring a long-term solution to the region. It brings together a diverse group of partners with a common goal to share the financial burden and to solve the broadband puzzle for central Virginia.

## 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:

Regional Project Service Area: This 2022 VATI proposal includes 13 counties, Albemarle, Amherst, Appomattox, Buckingham, Campbell, Cumberland, Fluvanna, Goochland, Greene, Louisa, Madison, Nelson and Powhatan, touching into 5 different regional planning districts. The project will bring broadband at gigabit speeds to 40,077 locations.

The project area was selected carefully to bring universal broadband service availability to every unserved location in a contiguous rural region of central Virginia. The project service area leverages proximity to the original Central Virginia Electric Cooperative (CVEC) fiber network buildout, the Firefly Fiber Broadband 2021 USDA ReConnect project service area, and the Firefly Fiber Broadband partnerships with Rappahannock Electric Cooperative and Dominion Energy. The project will build around and beside the existing CVEC fiber network and the service areas of incumbent providers to reach unserved locations throughout central Virginia.

The full fiber optic network buildout for this project will include 13 counties, and integrate the benefits of the CVEC system wide fiber optic network build, the construction performed with local and state CARES grants,

# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

---

the buildout to meet FCC Connect America Fund (CAF) and Rural Digital Opportunity Fund (RDOF) auction award requirements, the construction of the 2021 USDA RUS ReConnect grant, the local county ARPA-based funding for fiber network expansion and the state VATI grant program support.

The project map, with the VATI eligible areas specifically identified, is included as Attachment 1 – Map 1 Regional Project Area Map.

Also included is a map for each county and a discussion of the project area for each county to provide more detail of specific service areas with the project. No other incumbent internet service provider (ISP) provided coverage maps for their service area, but Firefly used all possible tools to create an accurate map of unserved locations throughout each county. One particularly useful dataset were the 4700 survey responses received by Firefly to an online survey seeking input on unserved locations throughout the region.

Albemarle County (Attachment 1 – Map 2): The map has cutouts throughout the service area are locations near telephone company digital subscriber line multiplexers (DSLAMs). The proposed service area avoids previous VATI award area, locations with cable internet access, and locations with Firefly service presently available or planned for construction by next spring.

Amherst County (Attachment 1 - Map 3): Areas carved out that were covered by a previous VATI award, locations with Firefly service presently available or planned for construction by next spring, and those with cable internet access.

Appomattox County (Attachment 1 - Map 4): Areas carved out where cable internet access is available and where Firefly presently has service available.

Buckingham County (Attachment 1 - Map 5): Areas carved out near DSLAM locations where adequate speed DSL is available, where cable internet access is available and Firefly presently has service available or planned for construction by next spring.

Campbell County (Attachment 1 - Map 6): Service area that includes the Firefly awarded RDOF area in the northern county on both sides of Rt 460 from Concord to the western county boundary with Lynchburg, and also another area of the county in which no provider has indicated immediate plans for providing broadband access. The second area begins near Sherwill and extends west towards Gladys. The service area has been designed to not overlap locations with cable internet access or other reliable land-based service that meets the definition of broadband speeds.

Cumberland County (Attachment 1 - Map 7): Areas carved out which are presently served by Firefly, or where Firefly will be building out its ReConnect grant awarded network. To the south the service area is bounded by RDOF areas won by Kinex who is working with the county toward deployment of a gigabit speed network.

Fluvanna County (Attachment 1 - Map 8): Areas carved out where cable internet access is available and where Firefly service is presently available.

Goochland County (Attachment 1 - Map 9): Areas carved out where cable internet access is available, where Firefly presently has service available or planned for construction by next spring. An area presently under construction by another ISP through a recent VATI grant is also left out of the proposed service area.

# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

---

Greene County (Attachment 1 - Map 10): Areas carved out near DSLAM locations where adequate speed DSL is available and where cable internet access is available.

Louisa County (Attachment 1 - Map 11): Areas carved out that were covered by a previous VATI award to a wireless provider even though the provider is not offering service to all within their proposed service area at this time, locations with Firefly service presently available or planned for construction by next spring, locations where wireless service with adequate speed and reliability is available and those with cable internet access.

Madison County (Attachment 1 - Map 12): Areas carved out where cable internet access is available and where wireless service with adequate speed and reliability is available.

Nelson County (Attachment 1 - Map 13): Areas carved out near DSLAM locations where adequate speed DSL is available, where cable internet access is available and Firefly presently has service available or planned for construction by next spring.

Powhatan County (Attachment 1 - Map 14): Areas carved out where cable internet access or fiber optic based broadband service is available.

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:

5 approaches were used to identify existing providers and the services and plans offered in the area: Federal Communications Commission (FCC) data sets provided through BroadbandNOW.com; individual internet service provider websites; multiple press releases and paid advertisements to drive residents in the project area to take a survey which included a speed test component; data collected by our partner localities and their broadband authorities; and ride-outs of the project area to identify and confirm where other providers' networks started and ended. Public meetings were attended in each locality, such as the board of supervisors' meetings, to discuss this project and to drive engagement.

The following providers were contacted: CenturyLink, Shentel, Comcast, SCS Broadband, Madison Gigabeam, and iWiSP. Non-disclosure agreements were signed with Shentel, Madison Gigabeam, and iWiSP which allowed for detailed discussions of their coverage areas, and information reflected in the application. Comcast and CenturyLink would not share any information. SCS Broadband could not provide us with any details about their coverage area.

In part of the proposed project area, Verizon is the incumbent telephone company or Incumbent Local Exchange Carrier ("ILEC"). Verizon did not accept Connect America Funds ("CAF") and has not performed any upgrades to its facilities in the project area to improve broadband availability. The Verizon ILEC network in this region meet VATI's "served" definition.

The other incumbent telephone company in this region is CenturyLink who offers a mix of ADSL, VDSL, and FTTH. Using data from Calix, regarding distances and speeds of different versions of xDSL A 2,500-foot radius was created from every xDSL cabinet and hut that were identified in the field and addresses within the radius were entered on the carrier's website to determine which customers if any, have access to xDSL speeds that exceed the VATI "unserved" definition.

United States Department of Agriculture (USDA) ReConnect program, FCC Connect American Fund (Auction 903), and VATI funded areas were removed from the project area.

CenturyLink is primarily offering ADSL and VDSL services with some smaller areas with FTTH. Their advertised speeds for



# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

---

xDSL range from up to 1.5Mbps - 100Mbps download. With their FTTH offering they offer up to 940Mbps symmetrical.

Specific offerings from the providers and the speed of service available is shown on the following screen shots from the providers' online customer service and sales pages.

Verizon is not offering FiOS services in the project area and that are only advertising download speeds up to 15Mbps.

SCS Broadband is offering plans ranging from “up to” 2Mbps – 50Mbps download. Upload speeds do not appear to be advertised on their website. It is unclear where these packages might be available in or near the proposed service area.

Shentel is offering speeds ranging from 50Mbps/10Mbps up to 1Gbps/50Mbps along Rte. 460 in Appomattox and Campbell Counties.

Comcast is offering service in more densely populated areas with speeds ranging from 50Mbps – 2Gbps. They offer various pricing for different contract terms. Below is a comparison of their lowest and highest speed offered in parts of Albemarle County.

# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

---

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

**Answer:**

CAF II funds were awarded to Firefly and, while they will be claimed as leverage for this application, they have been carved out of any areas in this grant application. The areas of CAF funding are shown on the Attachment 2 maps. We have shown a system map and also included county maps to give more close-up views of each county.

ReConnect funds (2020 and 2021) were awarded to CVEC and Firefly but have been carved out of any areas in this grant application. ReConnect 2020 granted Firefly/CVEC a \$28 million grant/loan combination in Albemarle, Appomattox, Buckingham, Cumberland, Fluvanna, Goochland, and Louisa counties. ReConnect 2021 awarded Firefly a \$14 million grant and includes areas in Buckingham, Cumberland, Goochland and Powhatan counties. The two ReConnect grant funded service areas are shown on Attachment 2.

RDOF funds were granted to areas outside the project area as well as some areas inside the project area. Firefly received RDOF funds for areas included in this project and for areas in the CVEC electric service territory adjacent to the project, and some other ISPs received funding for areas in or near the project as well. See question 4 for more detail regarding the RDOF grants inside the project area, including RDOF awarded to Firefly, CenturyLink, and FiberLight. RDOF grant funds were awarded to areas adjacent to our project area to Shentel, RiverStreet, and Kinex and those areas are not included in our grant applications since they are working with the counties to complete the build. The RDOF funded areas in or near the service area shown in Attachment 2.

4. Describe if any blocks awarded in Rural Digital Opportunity Fund (RDOF), excluding those awarded to satellite internet service providers, are included in the VATI application area. If RDOF areas awarded to terrestrial internet service providers are included in the VATI application, provide a map of these areas and include information on number of passings in RDOF awarded areas within the VATI application area, and Census Block Group ID number for each block group in the project area. Label Attachment: Attachment 3 – RDOF Awarded Areas Form in VATI Area

**Answer:**

We have included all RDOF locations within the service per the program guidelines, regardless of the awardee and we only use Firefly awarded RDOF locations for the passings calculation per the guidelines.

Refer to Attachment 3 - RDOF Awarded Areas included in VATI Application

5. Overlap: To be eligible for VATI, applicants must demonstrate that the proposed project area(s) is unserved. An unserved area is defined as an area with speeds below 25/3 mbps and with less than 25% service overlap within the project area for wireless projects and 10% for wireline projects. Describe any anticipated service overlap with current providers within the project area. Provide a detailed explanation as to how you determined the percentage overlap. Label Attachment: Attachment 4 – Documentation Unserved Area VATI Criteria.

**Answer:**

Firefly has developed its proposed service area to attempt to avoid any overlap with terrestrial based services capable of providing reliable speeds faster than 25 mbps download and 3 mbps upload.

The first step was to contact all providers to request service area maps if the provider was shown on the FCC broadband map (<https://broadbandmap.fcc.gov/#/>) to have service available in any census block within the proposed service area. Shentel, Madison Gigabit and IWisp were the only providers willing to share locations to avoid overlapping facilities.

The second step was to use field surveys to identify cable and fiber facilities as well as DSLAM locations. These were documented and the service area was designed to avoid overlap with cable and fiber and to provide a buffer around the DSLAM locations to not overlap areas in which broadband speeds could be delivered. The lack of availability of service by cable modem or DSL was also verified using online availability tools from Comcast (<https://www.xfinity.com/locations/in-my-area>), CenturyLink (

# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

---

<https://www.centurylink.com/local>), and Verizon (<https://www.verizon.com/inhome/qualification>) using street addresses within the proposed service area. Samples of the output of these tools are included in the Attachment 4.

The third set of data points came from a regional survey of residents, asking for information on their provider (if any), whether they had access to other providers or if they had other providers decline to serve them, and the opportunity to perform a speed test. These data points were used to establish the limits of the service area and include locations unable to receive broadband speed service. More than 4700 surveys were completed across the region, helping show actual service levels from DSL and wireless providers at the specific locations in the region. A sampling of the outputs is also included in Attachment 4 with address and GIS data removed.

Firefly worked closely with local officials in the counties to understand where broadband service was available as well. Albemarle County, as one example, has been collecting speed test and survey data for several years in its efforts to determine where there were unmet needs for broadband availability. Other counties also had data from a mix of sources that captured the locations with and without broadband available. Some of the counties had information on locations of wireless transmitters and where there were towers without transmitters.

Firefly also reviewed the FCC Form 477 data, the state broadband map, and several other data sources available online. The shortcomings of broadband mapping in the US have been well established in recent years. The available map data is used as one datapoint. Several examples of screenshots of the FCC Broadband Map data showing the lack of coverage in western Powhatan, western Goochland, and in the Campbell County proposed service area are included in Attachment 4 for examples of output used in creating the proposed service area.

The most difficult of the potential internet service providers to evaluate in terms of service availability are the wireless providers. There are several who claim service in large parts of Amherst, Greene, Louisa, Madison, and Nelson County with claims of smaller coverage areas in other counties. One of the providers, SCS Broadband, who claims to cover all of Amherst and Nelson and most of Louisa, also claims to cover all of Charles City County. In a recent news article RiverStreet Networks, which purchased SCS Broadband this year, told the supervisors in that county that even though SCS Broadband claims universal service availability on its Form 477 for the county it only has equipment on a single tower with only three retail services connected. A recent news article covering the supervisor meeting is included in Attachment 4. Given these types of revelations, it is difficult to determine where the wireless providers really do have service available.

Wireless services can be hampered by weather, trees, radio interference, and several other factors. It cannot be available at all due to terrain. It can be limited by congestion due to the amount of bandwidth on a tower or in the backhaul path. The US Treasury recently developed guidance for use of the American Rescue Plan funds which ignore fixed wireless as a viable broadband option due to the many issues with access and reliability. Few survey responses indicated they had wireless and fewer had speed tests that showed they had wireless broadband service. We have attempted to carve out areas near known towers or where service might be available from wireless providers.

The service area has been limited to not include locations known to have broadband speed service available from any of the technologies based on these field investigations, data mining, resident surveys, and discussions with county officials. The area is designed for no overlap, and there are no known locations which have broadband service within the proposed service area. The expansion of broadband in rural areas is

# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

---

slow but is an active pursuit, and some locations might have availability now compared to when we surveyed them weeks ago. There might be a few locations that have inadvertently been included which have service but less than 10% of locations have service available with speeds more than 25 mbps download and 3 mbps upload.

6. 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 5 – Passings Form.
  - a. Of the total number of VATI passings, provide the number of residential, business, non-residential, and community anchors in the proposed project area. (Up to 10 points for businesses and community anchor institutions)
  - b. If applicable, of the total number of RDOF passings, provide the number of residential, business, non-residential, and community anchors in the proposed project area.
  - c. If applicable, provide the number of passings that will require special construction costs, defined as a one-time fee above normal service connection fees required to provide broadband access to a premise . Describe the methodology used for these projections.
  - d. If applicable, provide the number of passings included in the application that will receive broadband access because special construction costs have been budgeted in the VATI application. Describe the methodology used for determining which passings with special construction costs were budgeted in the application.
  - e. Provide the number of passings in the project area that have 10/1 mbps or less. Describe the methodology used for these projections. (up to 15 points)

## Answer:

- a. See Attachment 5- Passings Form
  - b. See Attachment 5- Passings Form
  - c. See passings in Attachment 5- passings form. This application does not require special construction costs for any passings. The methodology used for these projections is simple, we have nothing in this category because we included service extensions up to 2500 feet without charge and will only be charging for the ditch cost beyond 2,500ft. which will be about \$1.25 per foot. If a connection qualifies as Low to Moderate Income, Firefly will connect this home without a length limit.
  - d. See Attachment 5 - Passings Form, No special construction is required for any passing, see answer to 6c.
  - e. The methodology used for these projections is based on known areas in our region and those shown on the FCC broadband maps as not having 10/1 availability. From the FCC mapping software, a percentage share of each county was taken based on the amount of surface area in the county within our VATI project area that did not meet the 10/1 availability threshold. These percentages were applied to the total number of passings in each county within our project area to find the total number of passings that do not receive over 10/1mbps. The passings for each county were totaled to find the overall number of passings receiving less than or equal to 10/1mbps.
7. **For wireless projects only:** Please explain the ownership of the proposed wireless infrastructure. Please describe if the private co-applicant will own or lease the radio mast, tower, or other vertical structure onto which the wireless infrastructure will be installed.

## Answer:

This is not a wireless project so the question is not applicable.

# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

---

8. 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. (up to 10 points)

**Answer:**

Internet service will be available at symmetrical gigabit level speed to every home and business. Firefly has a 100Gbps backhaul connection from the network head end that can be easily expanded as necessary to ensure each user will be able to transmit and receive at the 1 Gbps rate should they choose to. Some users may choose the 100Mbps option, therefore leaving more capacity in the network. Diversity of data usage typically will allow a 100Gbps connection to meet the needs of thousands of end-users in systems offering gigabit level service. Network monitoring will ensure there is never a slow down or lack of bandwidth for the users to access the internet at the speed at which they pay.

The broadband services being offered will be Fiber to the Premise ("FTTP"). Both Passive Optical Network("PON") and Active Ethernet equipment can be used to meet both residential and business needs. PON is a shared bandwidth technology and Active Ethernet is dedicated bandwidth. For Residential (Fiber to the Home) ("FTTH") service, gigabit passive optical network (G-PON) will be deployed and for Business Fiber service either G-PON or Active Ethernet will be used based on business needs. As needed, a different card can be inserted in a chassis and next generation 10G-PON can be run on the same fibers as the G-PON and offer even higher speeds once we upgrade the equipment at the select homes/businesses.

Our tiered pricing structure has no contracts, bandwidth limits, data-caps, overages, and no hidden fees or introductory pricing. A carrier-grade Wi-Fi 6 (latest standard) router is included at no charge, and only symmetrical bandwidth plans are offered. There are two residential plans: 100Mbps for \$49.99 / month and 1Gbps for \$79.99 / month. Standard business plans are 100Mbps for \$79.99 / month; 250Mbps for \$149.99 / month; and 1Gbps for \$249.99 / month. Advanced business services are offered and include dedicated point-to-point or point-to-multipoint connections, and these are quoted on a case-by-case basis. Residential voice with unlimited long distance is \$34.99 / month if stand-alone; a \$5 credit is given if combined with internet service. Business phone service starts at \$29.99 / month with unlimited long distance. Advanced business phone services like multi-line PRI's and SIP trunking are also available.

# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

---

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

**Answer:**

This project is fiber-to-the-home network expansion utilizing new fiber optic cables placed on Dominion Energy (DE), Rappahannock Electric Cooperative (REC), Appalachian Power Company (APCo) and Southside Electric Cooperative (SEC) electric distribution facilities. In the DE service area, the Dominion Energy Middle Mile program will be used to place fiber along the DE lines which will be leased to Firefly, and Firefly will extend the fiber in service drops to homes and businesses or extend fiber down laterals and then build the service extensions. In REC territory, Firefly will oversee the construction of fiber which REC will own and lease to Firefly with Firefly providing retail internet service. In APCo and SEC areas Firefly will build and own the fiber.

The project includes new communications huts as network nodes in some areas. These new nodes will be added to the existing network and will be designed with additional backbone rings to provide high reliability through dual feeds to network nodes. The project will utilize existing fiber from various Firefly telecommunications huts to integrate new network nodes to the existing fiber backbone.

The network switching and routing gear will be placed in the hut and new fiber network cables will be extended from there to the individual homes, using overhead construction where there are presently overhead electric utilities and underground construction where there are existing underground utilities. The use of fiber optic cable provides a world class solution to deliver broadband internet service for now and for the foreseeable future to the rural residents. This technology provides the most reliable, highest speed service transfer of data in the marketplace.

Firefly will be using 32:1 ratio on the network (or up to 32 customers per PON) for residential and small office/home office customers. G-PON has a shared bandwidth per PON of 2.488 Gbits/s downstream and 1.244 Gbits/s upstream. For additional capacity planning the GPON network can be easily upgraded to allow for 10G PON without a major overhaul.

Firefly currently has G-PON deployed to over 9,500 customers in central Virginia with the current utilization of 2-4% per PON using a 32:1 ratio. If utilization increases over 70% the PON will be split to lower the utilization. In addition, Firefly will deploy enough fiber for an Active Ethernet overlay, for enterprise customers needing symmetrical internet connections speeds. Enterprise services have dedicated bandwidth and have a service level agreement with support 24/7/365.

Firefly has diverse connections into a peering point in Richmond, VA and utilizes two upstream providers. Within the next several months, Firefly will add a peering point in Ashburn, VA, which will include another two upstream providers. Firefly's backbone is currently at 100G but is capable of reaching speeds of up to 400G channels.

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

**Answer:**

# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

---

Universal broadband coverage for the central Virginia region is a focus of the Thomas Jefferson Planning District and Firefly project. All thirteen counties, Albemarle, Amherst, Appomattox, Buckingham, Campbell, Cumberland, Fluvanna, Goochland, Greene, Louisa, Madison, Nelson, and Powhatan will have universal broadband service when this project is completed. Ten of the counties will only require the Firefly build to have universal access to broadband. The other three counties in the project, Campbell, Cumberland, and Madison each have a plan for universal broadband coverage which depends upon at least one other ISP completing their work to fulfill the plan. For Madison, there is one area in which Shentel won an RDOF award for 909 locations to make 50 mbps service available which they have begun working to complete. In Cumberland, Kinex won RDOF support to provide gigabit speed service to 1,815 locations in several census block groups in the southern portion of the county, and they have begun working with the county to complete that buildout. Campbell County has a universal broadband coverage plan which includes RiverStreet completing some fiber construction in areas they won in the RDOF auction and Shentel completing a hybrid fiber and wireless project; both companies will have their work included in other 2022 VATI applications.

There might be a few mountain cabins that will not have broadband access due to the location and distance of fiber extension, but there will be less than 25 in all the counties combined. There are several homes presently inside “served” areas in the 13 counties that have been quoted unreasonable extension costs, and many of those will access the new state long extension program instead of having long fiber builds through served areas to connect an individual location or two. This project includes all other unserved locations in every county. Significant effort has gone into identifying the locations with mapping and field work, county personnel assistance and an online survey of unserved locations.

To assure universal access, the project will include line extensions of up to 2500 feet for any location without additional charges to the subscriber. To address digital equity, there will be no limit for line extensions without additional cost to full time dwellings of any low to moderate income family. Universal service also requires a thoughtful approach to affordability. There will be no account setup fee or charge of any type for those who sign up for service while construction is ongoing in an area. There are no contracts to force the commitment of a potentially expensive balance of contract payment in rural area that might not offer secure employment options. The level of funding request is set to allow low rates to be offered throughout the service area, \$49.99 monthly for 100 mbps service and \$79.99 for gigabit service. Firefly, the service provider for all locations in the proposal, is active in the FCC EBB program and intends to pursue all other options for support and assistance for those who are challenged to afford even the base price package. This project does not just approach universal broadband access from a construction standpoint, but also includes digital equity and inclusion components which are essential to truly universal access.

When this project is complete, along with the work of the other ISPs in Campbell, Cumberland, and Madison, 13 rural central Virginia counties will have service available at least at the 25/3 level for every home and business. From Richmond west to the Blue Ridge Parkway, from Lynchburg to the Culpeper County line, considering the CVEC fiber network, the fiber projects funded by CARES and VATI projects for Firefly and other ISPs, and this project, there will be more than 100,000 rural locations with speeds up to one gigabit per second available as part of the universal broadband coverage in the area.

The region will be served by a sustainable and easily upgradable and expandable network that can grow to meet the broadband needs of the region for decades ahead. Yes, this project meets the goal of providing universal service access or an entire region of the Commonwealth.

# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

---

## Project Readiness

Describe the current state of project development, including but not limited to: planning, preliminary engineering, identifying easements/permits, status of MOU or MOA, and final design. Prepare a detailed project timeline or construction schedule, identifying specific tasks, staff, contractor(s) responsible, collection of data, etc., and estimated start and completion dates. Applicants must include Memorandums of Understanding (MOUs) or Memorandums of Agreement (MOAs) between applicants (drafts are allowable). Label Attachments: Attachment 7 – Timeline/Project Management Plan; Attachment 8 – MOU/MOA between Applicant/Co-Applicant; (up to 20 points)

### Answer:

This Firefly project is an extension and continuation of the CVEC fiber build of 4000 fiber line miles and 38,000 passings within four years, presently on a 1000 mile per year pace.

This project will construct more than 4700 miles of fiber. Using the benefits of three primary construction partners working together, the project will require three years of well-planned and steady work. The project extends beyond the normal 18-month timeline for VATI projects, but it represents a coordinated and efficient approach to a regional project that justifies the longer timeline.

The planning for the project is underway. Firefly has partnered with Dominion Energy and Rappahannock Electric Cooperative (REC) for construction in their electric service territories. Firefly also has developed business relationships with Appalachian Power (APCo) and Southside Electric Cooperative (SEC). Firefly intends to use the same team of Conexon and S&N Communications who have worked on the CVEC project. Conexon will provide fiber design and contract management and S&N performs construction overhead and underground. Graybar will provide materials and materials management services as they have for CVEC.

Firefly has received electric facilities data from each utility to perform the complete design and planning for the buildout. Preliminary project planning is complete to help develop cost estimates.

In the Dominion Energy service area, Firefly and Dominion will use the Dominion Middle Mile program made possible by the state utility leverage legislation. Dominion will own and maintain the fiber it builds on its system, leasing it to Firefly for use in extending retail internet access. Firefly will build fiber from the demarcation point on the Dominion poles, extending Firefly owned facilities to homes and down shorter taps to assure all locations in the Dominion service area of the project have broadband access. Firefly is providing access point requests and Dominion will soon begin internal design processes. Dominion plans to file for SCC approval in the first quarter 2022. Dominion will use its own design firm and fiber contractors which will bring more resources into the project.

In the partnership with REC, REC will own the fiber and all outside plant assets except for communications huts and associated electronics, and Firefly will lease the facilities, maintain them, and provide retail internet service. In the REC service territory, REC is managing the make ready engineering and make ready construction. Firefly will oversee the design and construction of the fiber plant. Preliminary system planning is complete. Work has begun on detailed final fiber design in several CAF-II award areas in Louisa; make ready engineering is also underway in these areas. With REC using their own make ready design and construction firms, work can be performed in REC service areas in parallel with work in other project areas to facilitate meeting schedule milestones. The 20 aerial contract crews presently on CVEC lines will be available to transition onto the REC project.

For APCo electric service territory, APCo will be responsible for all make ready engineering and make ready construction. Firefly will build its fiber on the APCo facilities in the telecommunications space. Firefly has



# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

---

already established business processes with APCo for construction on the APCo facilities with work in the APCo service area in Nelson and Amherst counties. The regional project in this application will be an expansion and continuation of ongoing work in the APCo electric service territory.

In the SEC service territory, SEC will be responsible for make ready engineering and make ready construction. In SEC service territory some fiber will be built in the telecommunications space on SEC facilities, and some will be built using underground construction in VDOT rights of way. In Powhatan and Cumberland counties, the Firefly ReConnect project will be built along corridors that border the SEC service territory. ReConnect project work is anticipated to begin by October. The underground crews from the ReConnect project can be easily transition into the SEC area build.

The major materials of the project have been secured, with a planned continuation of monthly deliveries of fiber optic cable, conduit, enclosures, pedestals, optical taps and in home electronics to allow a continuation of the present pace of construction. The placements of the 19 communications huts have been planned with the same installation crew that has built the 25 huts on the CVEC project. The associated routers and electronics as well as the generators, batteries, inverters, and racks are planned.

A project plan and timeline has been developed and is included in Attachment 7 – Project Timeline. The timeline does show a full 36-month construction period; we request that DHCD staff waive the 18-month completion requirement given the size of the project and the benefits of a single planned regional buildout to provide universal coverage for 13 counties.

Firefly and the Thomas Jefferson Planning District (TJPDC) have a draft MOU and are working toward a final document. The draft is included as Attachment 8 – MOU between TJPDC and Firefly. An MOU for the project study was signed by nine counties and is included as Attachment 8C. The final four counties, Amherst, Campbell, Nelson and Madison were not requested to sign the MOU for the study phase of the project. Though we do not have a signed MOU with these counties we have their resolutions committing funding or joining the project as a partner that are included in the funding sources section of the application in Attachment 10 – Documentation of Matching Funding. There will be an MOU between each county, the TJPDC, and Firefly along with other utility partners to outline the roles and responsibilities during the project; these documents will be finalized after the grant announcement is made and firm start dates can be set.

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

**Answer:**

The applicant, the Thomas Jefferson Planning District, has not previously applied for a VATI grant.

The co-applicant, Rappahannock Electric Cooperative (REC), has not applied for a VATI award. The co-applicant, Firefly Fiber Broadband, has successfully received two VATI awards in combination with its parent company Central Virginia Electric Cooperative.

**Firefly Fiber Broadband:**

VATI 2019 Albemarle County and CVEC/Firefly

Albemarle Broadband Authority (ABBA) received a Virginia Telecommunication Initiative grant for \$301,748. The project with CVEC/Firefly added fiber to the Midway and west area of Albemarle County. 540 passings were completed after one extension. This project completed on budget and completed initial closeout with DHCD. The post close-out report is due to DHCD

# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

---

on 9/30/2021.

## VATI 2019 Fluvanna County and CVEC/Firefly

CVSI VATI Grant in Columbia- The grant was for \$641,967, included 82 miles of fiber and 569 passings. This work is complete with the actual take rate exceeding the 40% take rate projected in the VATI application, all serviceable units are connected, and CVSI is awaiting the final reimbursement.

In addition to the Firefly, several other county partners in the project have received VATI award.

### **Albemarle County:**

#### VATI 2015

Albemarle County received a Telecommunications Planning Grant for \$75,000. Working with the Thomas Jefferson Planning District, Design9, and the Broadband Steering Committee, a comprehensive guide was produced and accepted by the Albemarle County Board of Supervisors.

<https://www.albemarle.org/home/showpublisheddocument/4038/637339503112170000>

#### VATI 2017 CenturyLink

Albemarle County received a Virginia Telecommunication Initiative grant for \$118,400. The project with CenturyLink added ADSL to 4 areas of Albemarle County. 219 passings were included in the plan; this number increased to 296 as the project progressed. This project completed on schedule and on budget.

#### VATI 2018 Comcast

Albemarle County received a Virginia Telecommunication Initiative grant for \$473,366. Instead of billing for the full grant award amount of \$473,366, Comcast billed for \$331,260. The project added Hybrid Fiber Coax to the Greenwood area of Albemarle County. 178 passings were included in the plan; this number increased to 180 as the project progressed. This project completed ahead of schedule and under budget.

#### VATI 2019 CVEC/Firefly

Albemarle Broadband Authority (ABBA) received a Virginia Telecommunication Initiative grant for \$301,748. The project with CVEC/Firefly added fiber to the Midway and west area of Albemarle County. 540 passings were completed after one extension. This project completed on budget and completed initial closeout with DHCD. The post close-out report is due to DHCD on 9/30/2021.

#### VATI 2020 CenturyLink

Albemarle Broadband Authority (ABBA) received a Virginia Telecommunication Initiative grant for \$291,300. The project with CenturyLink added fiber to 8 areas of Albemarle County. 837 passings were completed after two extensions. This project completed on budget. It is in the final invoicing phase.

#### VATI 2021 CenturyLink

Albemarle Broadband Authority (ABBA) received a Virginia Telecommunication Initiative grant for \$2,276,110. The project with CenturyLink will add fiber to 10 areas of Albemarle County. 1,675 passings are included in the plan. This project completed initial planning and is in the engineering phase.

### **Amherst County:**

# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

---

## VATI 2019 SCS Broadband

Amherst County received a VATI grant in 2019 for \$131,250. The project with SCS Broadband/AcelaNet, LLC involved the placement of wireless facilities to provide internet access. The project has been completed with access to broadband services on three towers, Panther Mountain, Lowesville and Turkey Mountain.

## **Fluvanna County:**

### VATI 2019 CVEC/Firefly

CVSI VATI Grant in Columbia- The grant was for \$641,967, included 82 miles of fiber and 569 passings. This work is complete with the actual take rate exceeding the 40% take rate projected in the VATI application, all serviceable units are connected, and CVSI is awaiting the final reimbursement.

## **Goochland County:**

### VATI 2021 Port 80

Goochland County received an award of \$567,557.98 to connect 218 serviceable units including 10 businesses and community anchors. The \$567,557.98 is matched by \$100,000 from Goochland County and \$247,707.40 in matching and in-kind contributions from Port 80 Internet Services for a total project of \$915,265.38. The project is in process.

## **Louisa County:**

### VATI 2019 SCS Broadband

Louisa County received a VATI grant for \$233,905 to place wireless transmitters on four towers. The County's Jouett Tower has been built and is operational with LTE and other frequencies. The Buckner Tower planned by the County was canceled. SCS is considering whether to adjust the plan to locate a transmitter on another site. Two privately owned towers Apple Grove and Plum Tree private towers are still in the VATI grant, although no reimbursements have been requested nor paid out yet for those towers. It is unclear if there is any functional equipment on either tower presently.

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

**Answer:**

# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

---

Building rural infrastructure to deliver broadband service with world class speed is not a cheap endeavor and it cannot be done without support from a full team. The TJPDC and Firefly project has developed a team of financial supporters for this project.

The 13 partner counties have stepped forward with local grant funds for matching dollars. The local commitments are not ceremonial transactions, but instead are meaningful commitments of limited local funds to help address the lack of broadband availability. For many of these central Virginia counties it is the most important issue for the county, affecting the quality of life for those without access to virtual classrooms, remote work access, and telemedicine. The counties have indicated its priority with their support of this project through local grant funds. The total of \$35.3 million, 11.5% of the overall project cost, was put forward to show the local commitment to providing universal broadband access, to let DHCD know the counties were behind this project, and to accelerate the deployment of CAF and RDOF funds to fix the problem today not years from now.

The funding from each county varies based on the number of unserved locations, the level of FCC auction support available to help support a project in the county, the density of the locations along fiber lines, the terrain, and many other factors. The common theme of them all is a desire for a permanent fix for the unserved locations throughout their county. For three counties, Campbell, Cumberland and Madison, there will be additional work which has already begun or been committed to by other ISPs to achieve universal broadband availability. When that work is included and combined with the ten for whom this project will provide universal access, the presently unserved in the central Virginia region will have fiber to the home connectivity throughout its most rural roads and neighborhoods. The benefits of the project have justified this strong financial commitment. Each county has provided a resolution of its commitment which is included in Attachment 10 – Document of Matching Funding.

The counties have taken varying approaches to providing their funding commitment, some with broadband authority funds previously committed and others using the American Rescue Plan Act (ARPA) funds made available from the federal government. Nelson County provided funding last December for fiber expansion that will be used for its matching funds. All others will pay out their match on a pro rata basis with the VATI funds. Several of the counties are seeking ways to get started even sooner and may be asking DHCD for options to do so.

The previously unprecedented partnership among neighbors brings them together with the construction partners in this application. The construction partners each are committed to the project in principle and financially. Firefly has already received one bank commitment for the first \$30 million in loans to help fund the Firefly investment, and the company will use a combination of FCC auction funds and additional loans as necessary to fund the remainder of its investment to complete the project. Dominion Energy will request approval of the Va SCC to include this project in its middle mile program; its role will be dependent upon the outcome of that review and ruling from the Commission. REC has expressed its support for the project and committed to funding its share of the fiber assets as a partner with Firefly in assuring REC members without broadband service options today have gigabit speed options after the completion of this project. The commitment letters from the three utilities are also included in Attachment 10.

The utilities will provide 60.6% of the investment in the project, and together with the counties provide over 72% of the project cost which are far more than the minimum 10% required from the private sector and 20% total match. Please see Attachment 9 – Funding Source Table and Attachment 10 - Document of Matching Funding for more details.

# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

---

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

**Answer:**

The project includes integration and coordination with areas in which FCC Connect American Funds (CAF-II), Rural Digital Opportunity Funds (RDOF) and a USDA ReConnect grant award (ReConnect).

The CAF funded areas cover parts of 7 counties (Albemarle, Amherst, Appomattox, Cumberland, Goochland, Louisa, and Nelson) and include 3,565 locations. Using a prorated calculation of the total CAF-II support to Firefly, the CAF-II area support for the location built with this project is \$9.8 million.

There are also 16,749 locations within this VATI project's boundaries that are included in FCC RDOF census blocks awarded to Firefly. There are Firefly awarded RDOF census blocks in 12 of the counties in this proposal, with only Greene County not having an RDOF awarded census block assigned to Firefly. The total prorated RDOF award for these locations over the ten-year payout period is \$20 million.

USDA recently announced a new ReConnect grant for Firefly that covers areas mainly in Buckingham, Cumberland, Goochland, and Powhatan counties. While there is no overlap with this project for locations, there is benefit to having construction in the same area with the same design and construction team. The ReConnect grant buildout will also play an important role in reaching the universal broadband availability goals for the county and state. The ReConnect award is a \$14 million grant.

Firefly recently was co-applicant with the Monacan Nation on a National Telecommunications Information Agency (NTIA) Tribal grant application to bring service to several Monacan family homes and several important Tribal center buildings including a planned new senior care development, a new medical clinic and a new drug and alcohol treatment center. Should this grant be received, the VATI request will be lowered due to some overlapping areas with service extension funding. The ability to use the Tribal grant to enhance the network and project is another example of the leverage brought into the project by Firefly.

Finally, the CVEC fiber system provides leverage to the project. Several fiber extensions into APCo, Dominion Energy, and Southside Electric Cooperative service areas will be connected back through the CVEC network which reduces the need for new communications huts with their associated ancillary equipment. It is difficult to place an accurate value on this benefit, but it lowers the cost and speeds the deployment in this VATI project.

15. 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. (up to 10 points)

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. Firefly anticipates a 50% take rate or higher based on the take rate that has occurred over the last three years in similar rural areas. Firefly will use a similar marketing approach to the one used in partnership with Central Virginia Electric Cooperative. Potential customers will receive mailings at their home that detail the phases of the fiber build. Firefly has already partnered with REC and APCo on such mailings and will expand that partnership to include DE when their build begins. Our county partners are launching websites so their residents can see the progress being made in bringing broadband to their county. In addition, Firefly and all of the partners will use avenues to publicize each phase of

# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

---

the build, including community events, press releases and events, and their digital and printed resources.

Mailings alert residents of make ready work that is being performed in the area as well as when the fiber construction begins. When pre-registration time arrives, all residents in a substation area are invited to join for a town hall meeting that reviews their specific timelines, Firefly offerings, and what to expect during installation. Since the beginning of the pandemic, the meetings are now conducted via Zoom Webinar and attendees can ask questions after the presentation concludes.

Additionally, Firefly uses its website and social media platforms to communicate updates to potential customers. The Firefly website lists all of the county partners and electric utility partners and updates on fiber builds in those areas. Social media is used to announce town hall meetings as well as provider updates on builds.

The Firefly trucks are designed with wraps that attract attention and provide another important marketing tool. As the trucks come into an area to begin making the final in home connections their visibility drives interest from those who have not previously signed up for service.

As a last resort, our “last chance” postcard is sent to every address in a construction area that has not pre-registered for service as a reminder.

b. The expansion of broadband availability does not automatically lead to broadband adoption. While Firefly has been fortunate to have a take rate well over 50% in the past 18 months, there are still families and individuals who are not sure how to take advantage of the new broadband access. Digital literacy is a concern among many of our county partners and the school superintendents and local libraries are committed to offering courses and training that helps new and inexperienced users learn how the internet can benefit them and level the playing field between rural residents and their urban cousins.

Cumberland County offers tech classes at its library as well as assistance from a librarian to help with basic issues. For those requiring more training, one of the library branches offers free technology appointments. The library webpage also has tutorials on its website about topics like “how to set up an email account” and “how to join Facebook.” Louisa County offers similar assistance via Zoom, helping residents with their devices, downloading apps and software, and even organizing documents and photos. Greene County libraries offer LinkedIn Learning to its card-holders as well as 6-week long courses with professional instructors to strengthen skills for work, school, or a favorite hobby. Buckingham County libraries serve their community by offering laptops and hotspots that can be checked out and taken home to use. They also offer technology courses for residents.

Campbell County Public Library System (CCPLS) is a hub for digital literacy and equity efforts throughout the County. Working through their four branches, CCPLS provides a range of digital literacy programs and services, including Tech 101 and Tech 201. For adults, a menu of in-person technology classes are offered, including basic computer and internet literacy, intro courses for popular software programs and intro courses for common social media platforms. CCPLS subscribes to a service called Universal Class, which offers online, self-paced instructor facilitated courses, including the Google suite and computer programming. One-on-one assistance with a Librarian is available to the public by appointment for basically any technology, device, or digital literacy topic and is tailored to the individual patron’s needs. For children, a monthly STEAM after-school program is offered at each branch called, Labrary. This program regularly incorporates Spheros, which allow children to experiment with coding using a friendly app-based user interface.

Firefly and Amherst County Public Schools have committed to development of an internship program to develop seminars and training that will benefit new and inexperienced internet users in the county. The seminars will be held at various sites around the county during deployment to increased outreach to Amherst residents. The seminars will be led by Amherst County High School students, providing opportunities for the students to develop training and presentation skills while also increasing digital literacy on the community. Amherst School Superintendent Rob Arnold is excited about an opportunity to bring the schools and community together. Firefly is hopeful that this program will be able to be replicated with county school systems.

# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

---

Within tribal areas in the project area, digital literacy will be a shared goal between Firefly and the Monacan Indian Nation. They are committed to holding courses in their Tribal Office and fully support all efforts for digital literacy for Monacans in the counties in which they reside. Classes include GED, how to use the computer, how to use the internet and other tips for using their high speed internet for remote work, learning, and telehealth purposes.

16. Project Management: Identify key individuals who will be responsible for the management of the project and provide a brief description of their role and responsibilities for the project. Present this information in table format. Provide a brief description of the applicant and co applicant's history and experience with managing grants and constructing broadband communication facilities. Please attach any letters of support from stakeholders. If the applicant is not a locality(s) in which the project will occur, please provide a letter of support from that locality. Attachment 11 – Letters of Support.

**Answer:**

**Thomas Jefferson Planning District Commission (Applicant)**

Christine Jacobs

Interim Executive Director / Chief Operating Officer

Oversight of project

David Blount

Deputy Director / Legislative Director

Point of Contact Administration of Grant Reporting

**Central Virginia Services, Inc. d/b/a Firefly Fiber Broadband (Co-applicant)**

Gary Wood

President and CEO

Oversight of project

Bruce Maurhoff

Sr. VP & COO

Oversight of construction activities

Tina Mallia

VP & CFO

Oversight of finances, accounting, and grant fund compliance

Dennis Reece

# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

---

General Manager

Project Manager

## **Rappahannock Electric Cooperative (Co-applicant)**

John Hewa

President and CEO

Oversight for the fiber project in REC footprint

Mark Ponton

Director Broadband and Fiber Services

Lead's REC's activities and primary liaison to project team

Peter Muhoro

Chief Strategy, Technology & Innovation Officer

Project executive sponsor

## **Dominion Energy (Partner)**

Ed Diggs

Manager, Electric Distribution Grid Solutions, Rural Broadband Program

Lead's Dominion's activities and primary liaison to project team

Matt Hartwell

Manager, Electric Distribution Grid Solutions, Rural Broadband Program

Project liaison

## **Albemarle County (Partner)**

Michael Culp

Director of Broadband Accessibility and Affordability Office

Grant and program oversight

## **Amherst County (Partner)**



# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

---

Dean Rogers

County Administrator

Grant and program oversight

Jeremy Bryant

Community Development Management

Point of Contact Administration of Grant Reporting

## **Appomattox County (Partner)**

Susan M. Adams

County Administrator

Grant and program oversight

## **Buckingham County (Partner)**

Mr. Karl Carter

Interim County Administrator

Grant and program oversight

## **Campbell County (Partner)**

Frank Rogers

County Administrator

Grant and program oversight

## **Cumberland County (Partner)**

Donald Unmussig

County Administrator

Grant and program oversight

## **Fluvanna County (Partner)**

Eric Dahl

# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

---

County Administrator

Grant and program oversight

## **Greene County (Partner)**

Mark Taylor

County Administrator

Grant and program oversight

## **Goochland County (Partner)**

John A. Budesky

County Administrator

Grant and program oversight

## **Lousia County (Partner)**

Christian Goodwin

County Administrator

Grant and program oversight

## **Nelson County (Partner)**

Stephen A. Carter

County Administrator

Grant and program oversight

## **Madison County (Partner)**

Jonathon Weakley

County Administrator

Grant and program oversight

## **Powhatan County (Partner)**

Edward N. (Ned) Smither

# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

---

## County Administrator

### Grant and program oversight

The Thomas Jefferson Planning District Commission (TJPDC), the applicant, and the partner county staff have pursued, been awarded, and successfully administered numerous grants at the federal and state level. They are familiar with the requirements of the VATI program and stand ready to oversee an award for this project. The TJPDC is led by Christine Jacobs and David Blount.

Christine Jacobs is currently serving as the Interim Executive Director of the Thomas Jefferson Planning District Commission (TJPDC), where she is responsible for overseeing the financial, programmatic, and administrative functions of the organization.

David Blount has been with the Thomas Jefferson Planning District since 1999, where he previously served as Legislative Liaison and presently is serving as Deputy Director and Director of Legislative Services.

The Firefly team has proven an ability to build fiber fast, with its present project constructing 20 miles of fiber weekly. The team includes the design and project management from Conexon which is a national leader. The fiber contractor is S&N Communications, a Virginia company headquartered in Louisa, VA which has a long and successful record of working on large projects with Google, Verizon, and other major communications companies.

Gary Wood is the President and CEO at Central Virginia Electric Cooperative (CVEC) & Central Virginia Services, Inc. (CVSI) dba Firefly Fiber Broadband (Firefly). Mr. Wood has served as CEO of the electric cooperative since 2008. Mr. Wood has overseen the development and build of the system-wide fiber network being constructed on CVEC infrastructure. The \$130 million project will be completed one year earlier than expected.

# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

---

## 17. Project Budget and Cost Appropriateness

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

### Answer:

Firefly has developed cost estimates based on the most recent contracts for labor and materials. With an ongoing project and continuing monthly deliveries of materials to facilitate a 20 mile per week build rate, actual costs for labor and materials from this project will give the best basis for the estimates. The budget results in a request for 27.9% of the total project costs for the Dominion, REC and Firefly construction in the project area, or 40% of all construction costs excluding the Dominion construction. The co-applicants, Firefly and REC, request that grant funds reimburse 40% of their project costs up to the total VATI request of \$85,898,884.

The project extends service to every unserved location within the 13-county region except for those which will be served by other ISPs with committed projects in Campbell, Cumberland, and Madison County. The universal nature of the build is inclusive of low-density areas along the rivers and mountains, resulting in a higher cost per passing. On the other hand, having all locations included in a universal service project allows those high-cost areas to gain access to the same level of broadband service as all others in the project.

The estimates include anticipated increases in labor and materials given the increased investment in fiber construction nationwide. With the funds being requested on a pro rata basis, if the anticipated increases do not materialize the level of requested funds will be reduced as well. The budget is based on a three-year construction schedule. A three-year schedule allows for longer term construction contracts to secure labor and equipment for the entire project. With supply chain pressures creating extended lead times for many materials, having a three-year commitment allows for prices on materials contracts to be fixed and for the flow of materials to continue throughout the project without a start-stop of ordering that could create a 6-to-12-month lag in restarting while awaiting new material shipments. The normal VATI timeline requires projects to be completed in less than 18 months but given the size of the project and the need for continuity in a high demand environment for materials and labor, TJPDC, Firefly and REC request that the full project be funded for the three year build out schedule. Full three-year project funding will provide the most cost-effective approach to the regional universal service project.

18. The cost benefit index is comprised of state cost per unit passed. Individual cost benefit scores are calculated and averaged together to create a point scale for a composite score. Provide the following:
- Total VATI funding request
  - Number of serviceable units (up to 125 points)

### Answer:

a. \$85,898,884

b. 31,798\*

\*includes Firefly RDOF passings counting as 1/2

# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

---

## 19. Commonwealth Priorities (Up to 40 points)

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

- a. Businesses, community anchors, or other passings in the proposed project area that will have a significant impact on the locality or region because of access to broadband.
- b. Unique partnerships involved in the proposed project. Examples include electric utilities, universities, and federal/state agencies.
- c. Digital equity efforts to ensure low to moderate income households in the proposed project area will have affordable access to speeds at or above 25/3 mbps.

### Answer:

#### 1. Businesses, community anchors

The project area includes 4,684 total businesses and 353 community anchors. The list is too large to include them all, so please accept the following overview:

- Fire Stations/EMS
  - State Police: Appomattox, Louisa, Charlottesville
  - Fire & Rescue in Cartersville, North Garden, Fluvanna, Fife, Crozier, Dyke, Locust Creek, Bumpass, Holly Grove, Trevillians, Deep Creek
- Libraries
  - Pamplin, Dillwyn, Louisa
- Schools
  - Albemarle, Amherst, Buckingham, Cumberland, Fluvanna, Goochland, Louisa
  - Governor's School, preschools, and private day and Christian schools
- Medical facilities
  - Chiropractors, Massage, Physical Therapy, Cardiology, Audiology, Imaging, Neurology, Dentists, Pediatrics, Elder Care, Dermatology, Family Medical, Home Health, Behavioral Health Facility, Nutrition
- Business examples
  - Social Services
  - VDOT
  - 142 Churches
  - 6 Postal Services
  - Chambers of Commerce
  - Child Care Services
  - Public Parks
  - Farm Bureau
  - VA Dept of Corrections
  - Vineyards/Wineries
  - Convenience Centers/Waste Mgt/Water Treatment
  - Community Centers
  - Voting Locations
  - Animal Shelters

# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

---

## 2. Unique partnerships

Firefly is partnering with Rappahannock Electric Cooperative (REC) and Dominion Energy (DE), utilizing fiber optic assets they will own to help deliver broadband service access in their electric territories across 13 counties. This unique partnership will prove beneficial to REC as they reach underserved areas in their territory and seek a future-proof solution for those locations without undertaking a full-system fiber build. The partnership is also helpful to DE, who is providing middle mile fiber as part of a rural broadband pilot project. And, most of all, this partnership is beneficial to the residents and workers at over 40,000 locations who will have access to gigabit speed fiber-to-the-home internet for the first time.

Firefly will also build fiber in other electric territory, including Appalachian Power (APCo) and Southside Electric Cooperative (SEC). In many of the 13 counties included in this grant application, Firefly will coordinate with APCo to build on their existing infrastructure in the communications space. Firefly will also build in the SEC territory to serve the small pockets of residences that touch the Firefly project area, which ensures universal internet coverage in the county.

Additionally, the 13 counties in the project area have collectively committed to nearly \$35,000,000 in matching funds for this grant application. Dollars aside, our county partners have given support to boost survey participation, provide demographics for their locality, and publicize milestones for the project.

The partnership benefits several higher education facilities. The University of Virginia endorses this application since many of its students, faculty and staff live in the project area that closely surrounds campus. The university transitioned to remote instruction last year and it was a hardship for local students who could not use campus for their coursework and internet needs as they have done in the past.

Sweet Briar College fully supports the application as Firefly will serve several of the college's buildings with fiber as well as serve as another option for the college as they look to expand their internet capabilities for a growing campus. Sweet Briar is primarily a residential college and many of the faculty and staff reside on the 3,000-acre rural campus.

Piedmont Virginia Community College and Central Virginia Community College will greatly benefit from the expansion of broadband to rural homes in the surrounding areas. The students who attend these colleges struggle to complete assignments at home in areas where reliable internet is scarcely available. During the pandemic, enrollment at CVCC dropped dramatically, no doubt, partly due to the lack of internet needed for virtual learning.

Firefly is partnering with the Monacan Indian Nation (MIN) to reach many tribal family homes and to serve a new project and development that they have planned in an area of Amherst County that is presently unserved by any incumbent in terms of broadband connectivity. Firefly worked with MIN on an NTIA grant application that will help to offset costs for the fiber extensions to the homes and new development, which will reduce the need for VATI funding for those same connections should the NTIA grant be successful.

### c. Digital equity efforts

As part of the project and all of the homes included in this grant application, Firefly will cover the cost of a fiber drop up to 2,500 feet (almost 1/2 mile). For low-to-moderate income (LMI) homes, Firefly will cover the cost of the fiber drop entirely at no additional cost to the subscriber. The generous allowance for the fiber drop to all households and the commitment to build to all LMI households regardless of the distance of the drop ensure digital equity.

Firefly offers two internet packages and one phone package for residential service. There is no fine print to navigate. The service packages are affordable, with 100 mbps at \$49.99/month and 1 gbps at \$79.99/month. The Emergency Broadband Benefit (EBB) allows \$50/month for internet packages, which fully pays for the 100 mbps service. Firefly has aggressively marketed this program and is committed to increasing enrollment among its customers.

### d. Capacity for scalability

The 2022 VATI Guidelines suggested that applicants address capacity for scalability. Firefly endeavors to

# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

---

offer universal broadband access/coverage to the counties included inside the project area. Building fiber across such large parts of these 13 counties allows Firefly to offer internet to homes in the future that are not within this project area or that are in a surrounding county.

Fiber networks have inherent advantages to being able to expand in bandwidth; the same fiber can carry many multiples of its bandwidth with a simple change of electronics at the ends of the fiber. Whether more bandwidth for the subscribers, adding new subscribers in the service area, or expanding into locations adjacent to the service area, having a fiber optic network in place assures that the central Virginia region will be able to quickly and affordably expand to meet all future broadband and telecommunications needs.

## 20. **Additional Information**

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

Label Additional Attachments as:

- a. Attachment 14 – Two most recent Form 477 submitted to the FCC or equivalent
- b. Attachment 15 - Point and Polygon shapefiles, in.zip file form, showing proposed passings and project area
- c. Attachment 16 - For wireless applicants: shapefiles, in .zip file form, indicating RSSI projections in the application area
- d. Attachment 17 – XXXXXXXX
- e. Attachment 18 – XXXXXXXX
- f. Attachment 19 – XXXXXXXX
- g. Attachment 20 – XXXXXXXX

## **Answer:**

See Attachment 17

## **Attachments:**

Map(s) of project area, including proposed infrastructure

Attachment1ProjectAreaMap913202133932.pdf

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

Attachment2DocumentationonFederalFundingArea914202113850.pdf

# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

---

RDOF Awarded Areas included in VATI Application (Use template provided)

Attachment3AwardedAreasincludedinVATIApplication9142021104137.pdf

Documentation that proposed project area is unserved based on VATI criteria

Attachment4DocumentationUnservedAreaVATICriteria913202122150.pdf

Passings Form (Use template provided)

Attachment5PassingsForm913202122520.pdf

Timeline/Project Management Plan

Attachment7TimelineProjectManagementPlan914202114113.pdf

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

Attachment8MOUMOAbetweenApplicantCoApplicant9122021113926.pdf

Funding Sources Table (Use template provided)

Attachment9FundingSourcesTable913202144104.pdf

Documentation of Match Funding

Attachment10DocumentationofMatchFunding9142021112432.pdf

Letters of Support

Attachment11LettersofSupport9142021102142.pdf

Derivation of Cost/Project Budget (Use template provided)

Attachment12DerivationofCostsWorksheet913202152342.pdf

Documentation of Supporting Cost Estimates

Attachment13DocumentationofSupportingCostEstimates9142021105854.pdf

Two most recent Form 477 submitted to the FCC or equivalent

Attachment14TwomostrecentForm477submittedtotheFCCCorequivalent913202142834.pdf



# Application to DHCD Submitted through CAMS

Thomas Jefferson Planning District Commission

TJPDC/Firefly - RISE 2021 - VATI

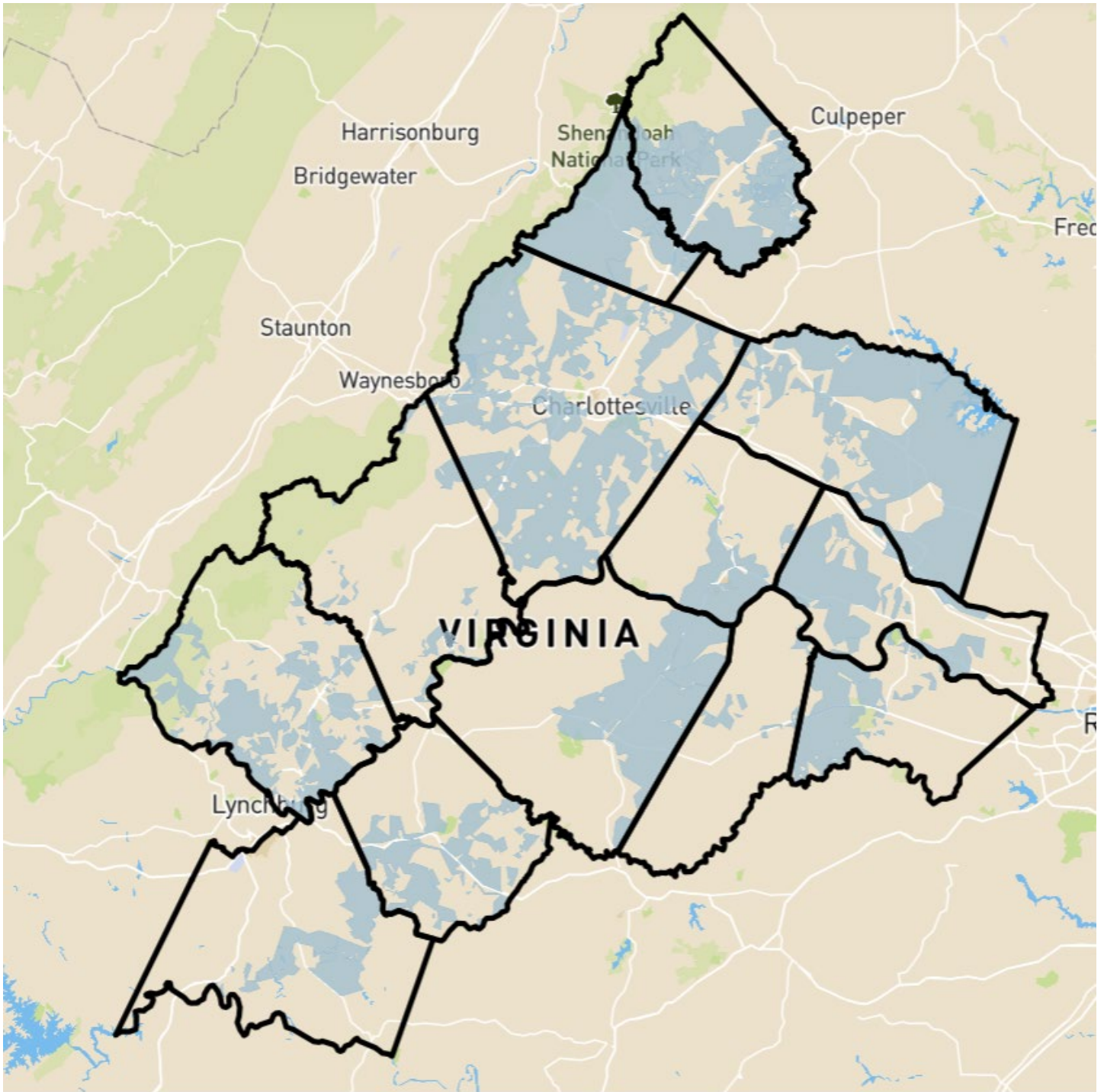
---

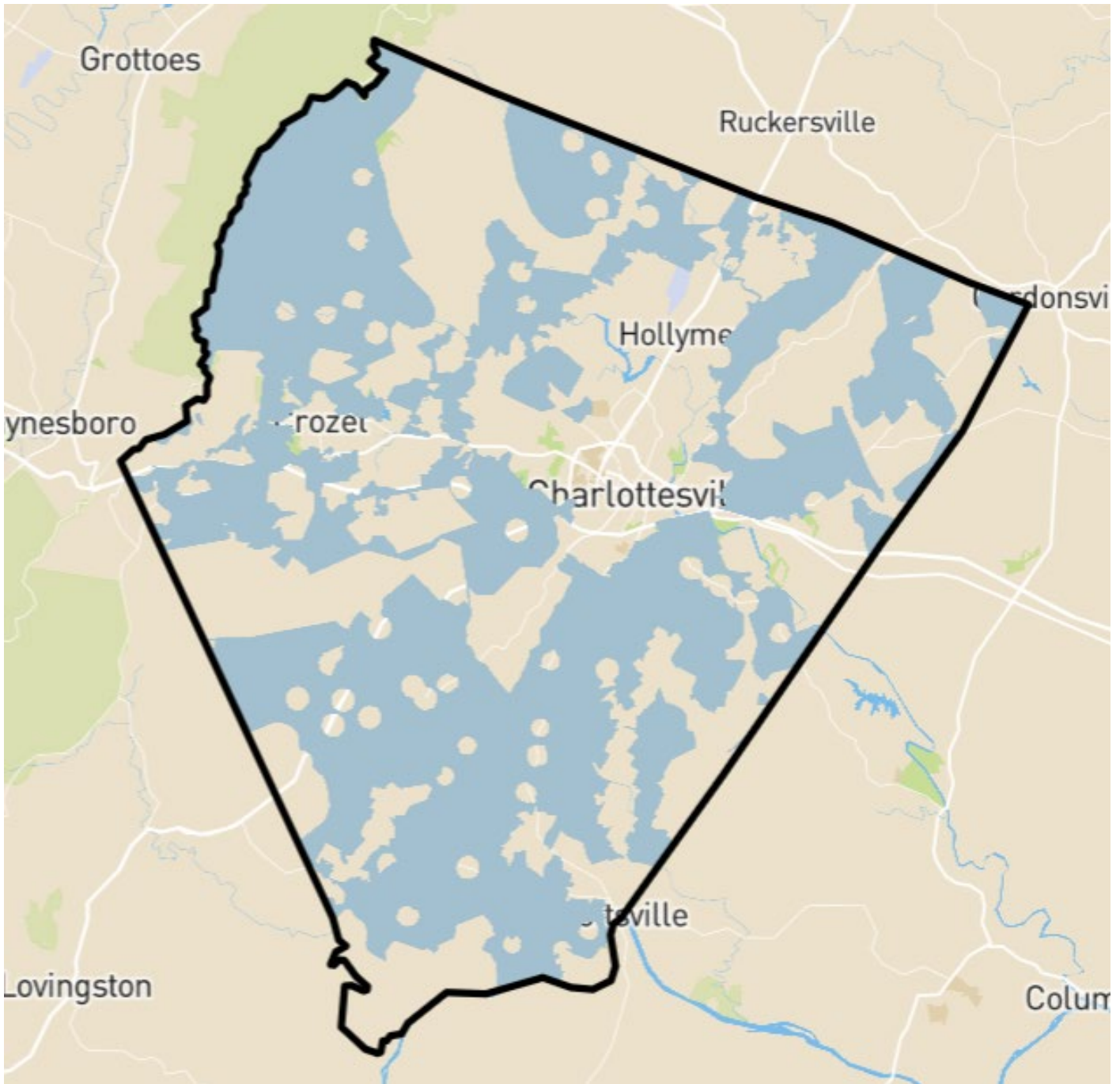
Point and Polygon shapefiles, in.zip file form, showing proposed passings and project area

Attachment15PointandPolygonShapefiles9142021111319.zip

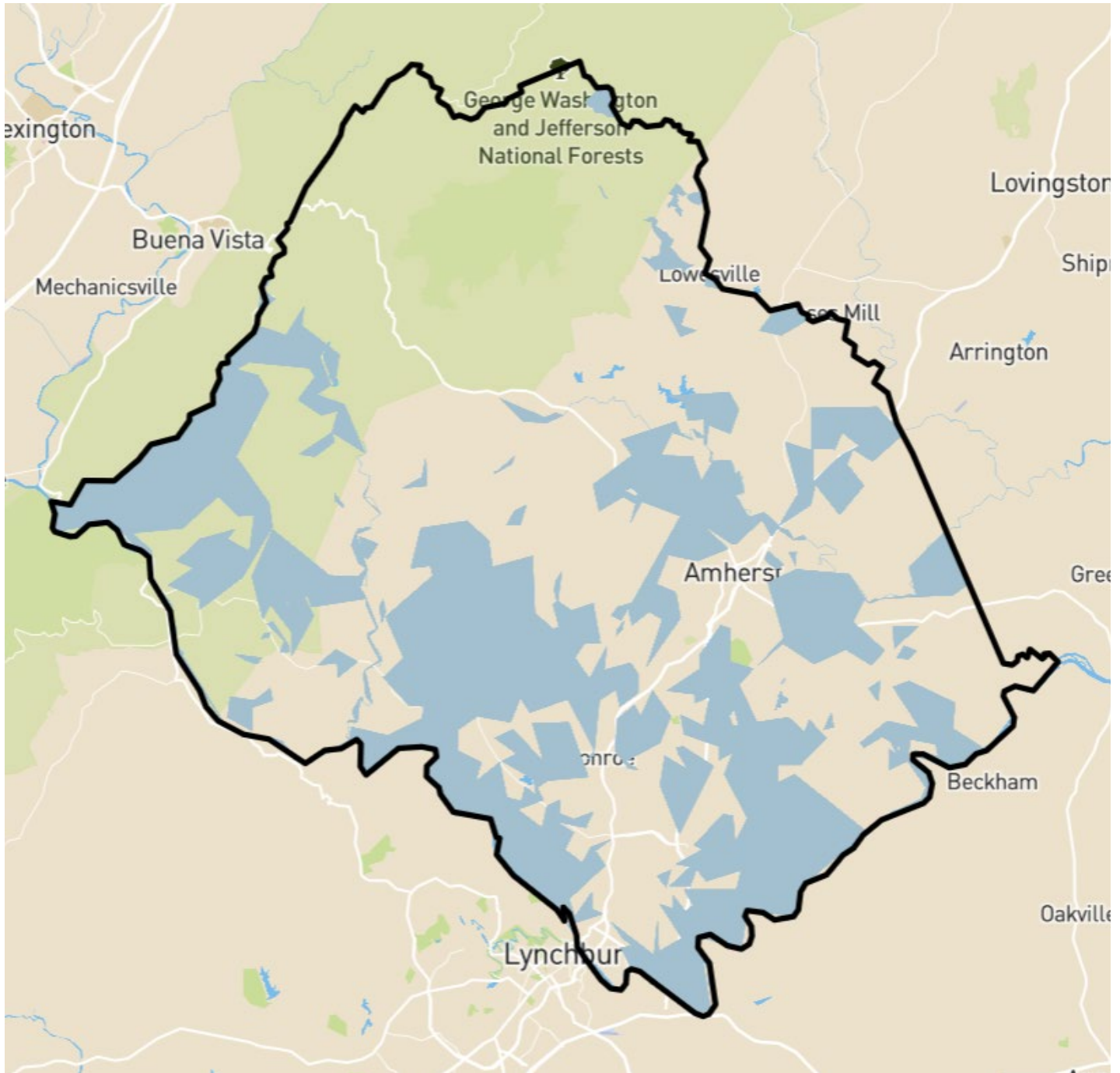
Optional

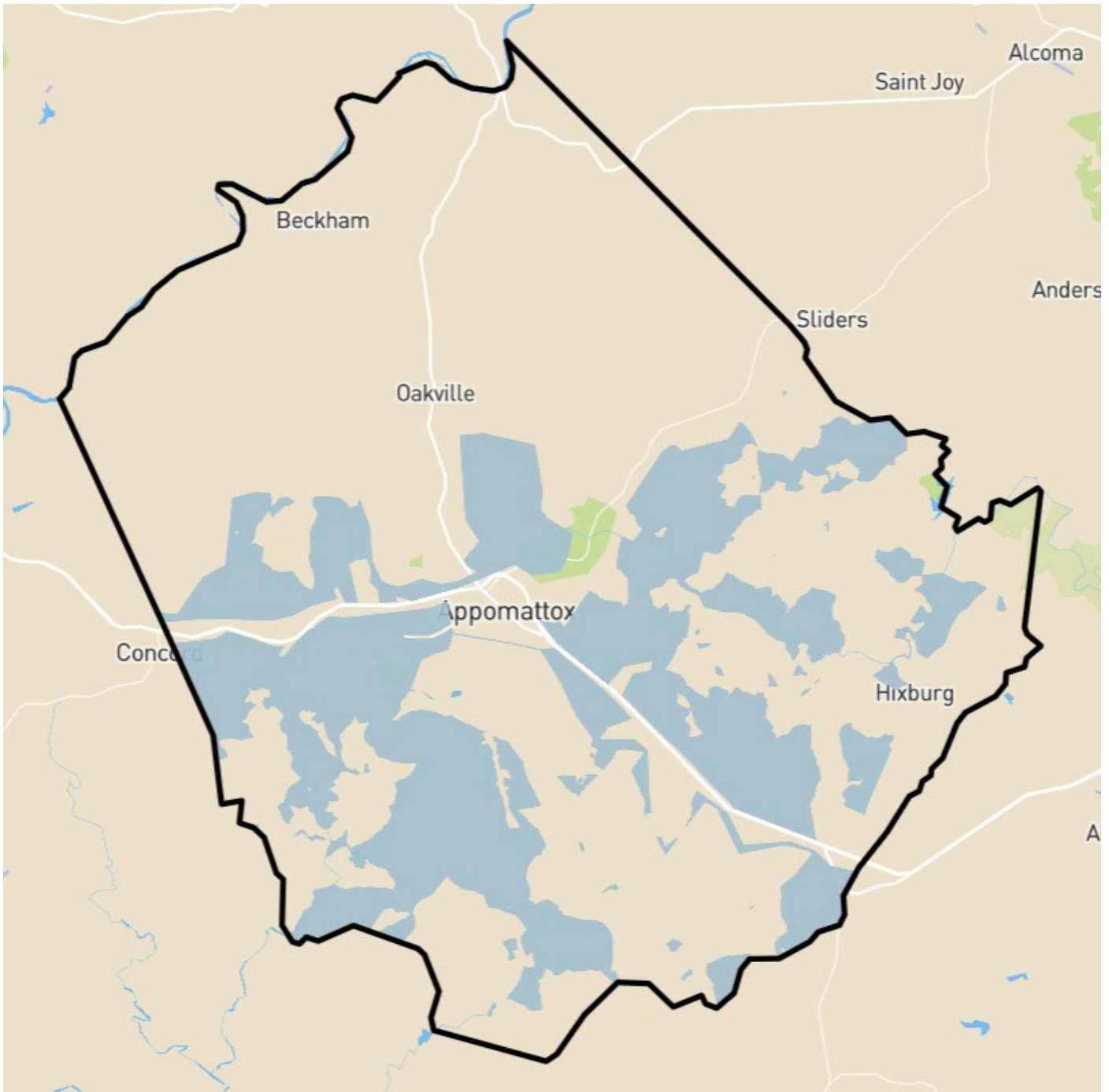
Attachment17CommitmenttoRegionalUniveralService9142021104336.pdf

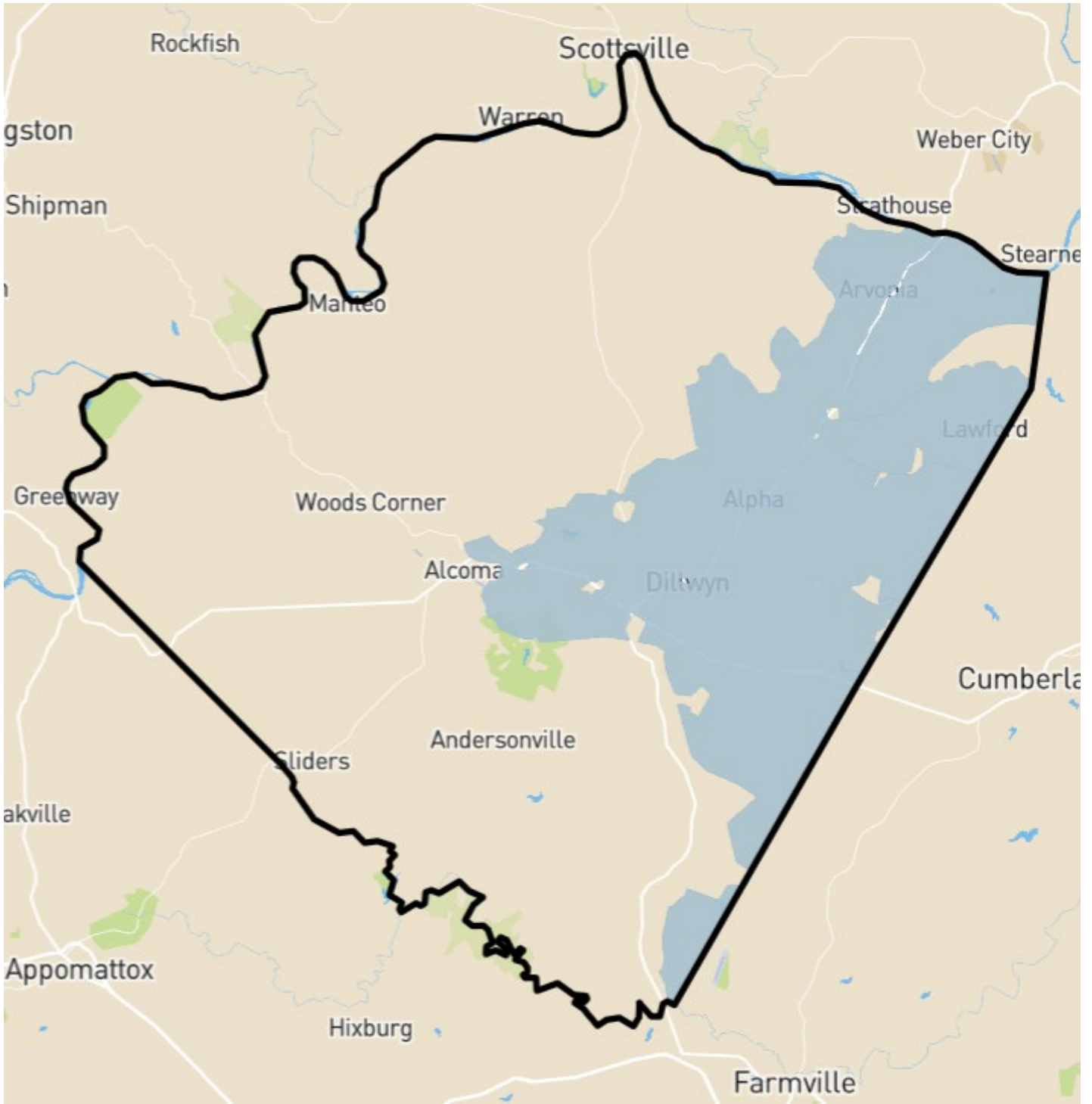


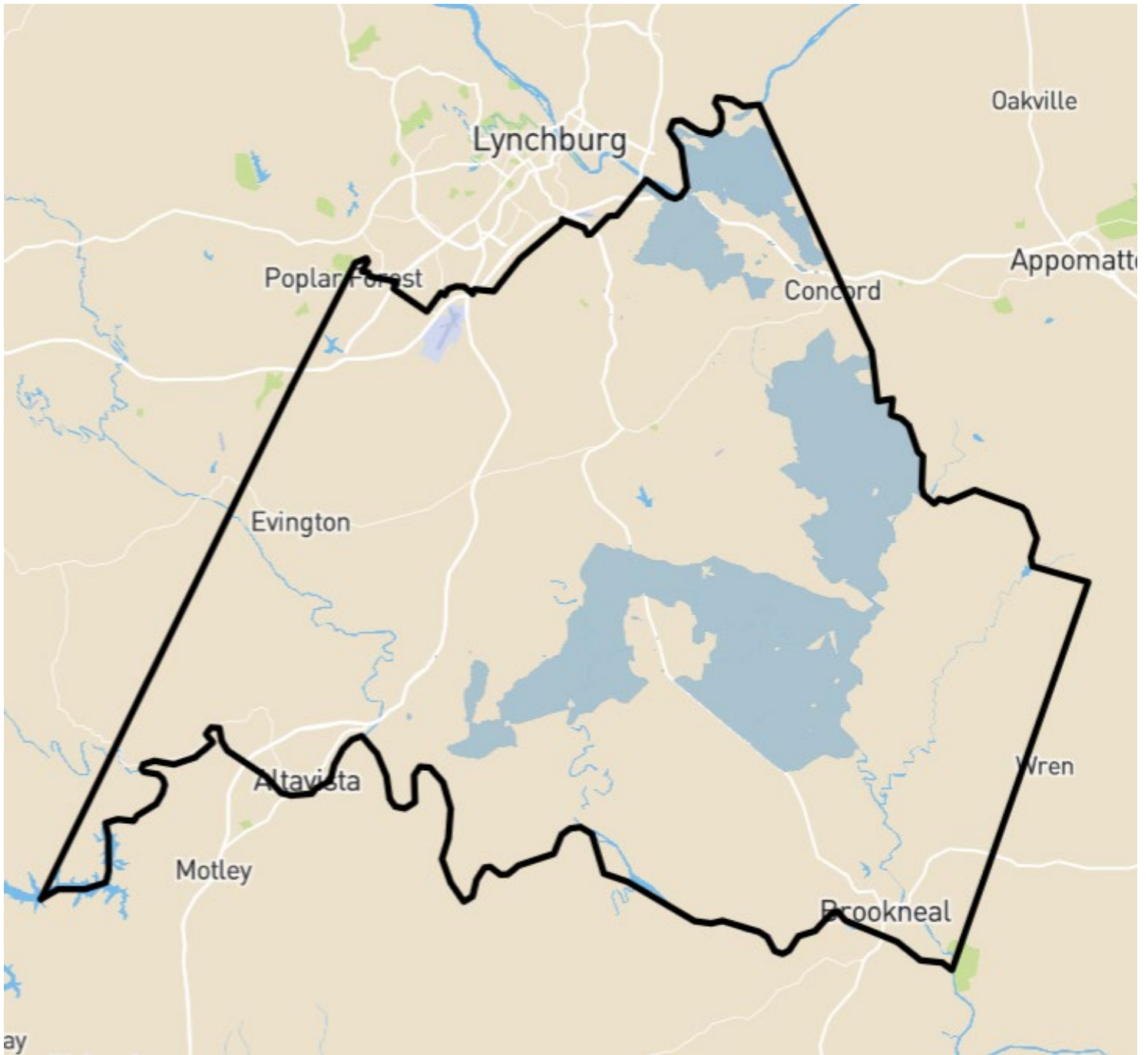




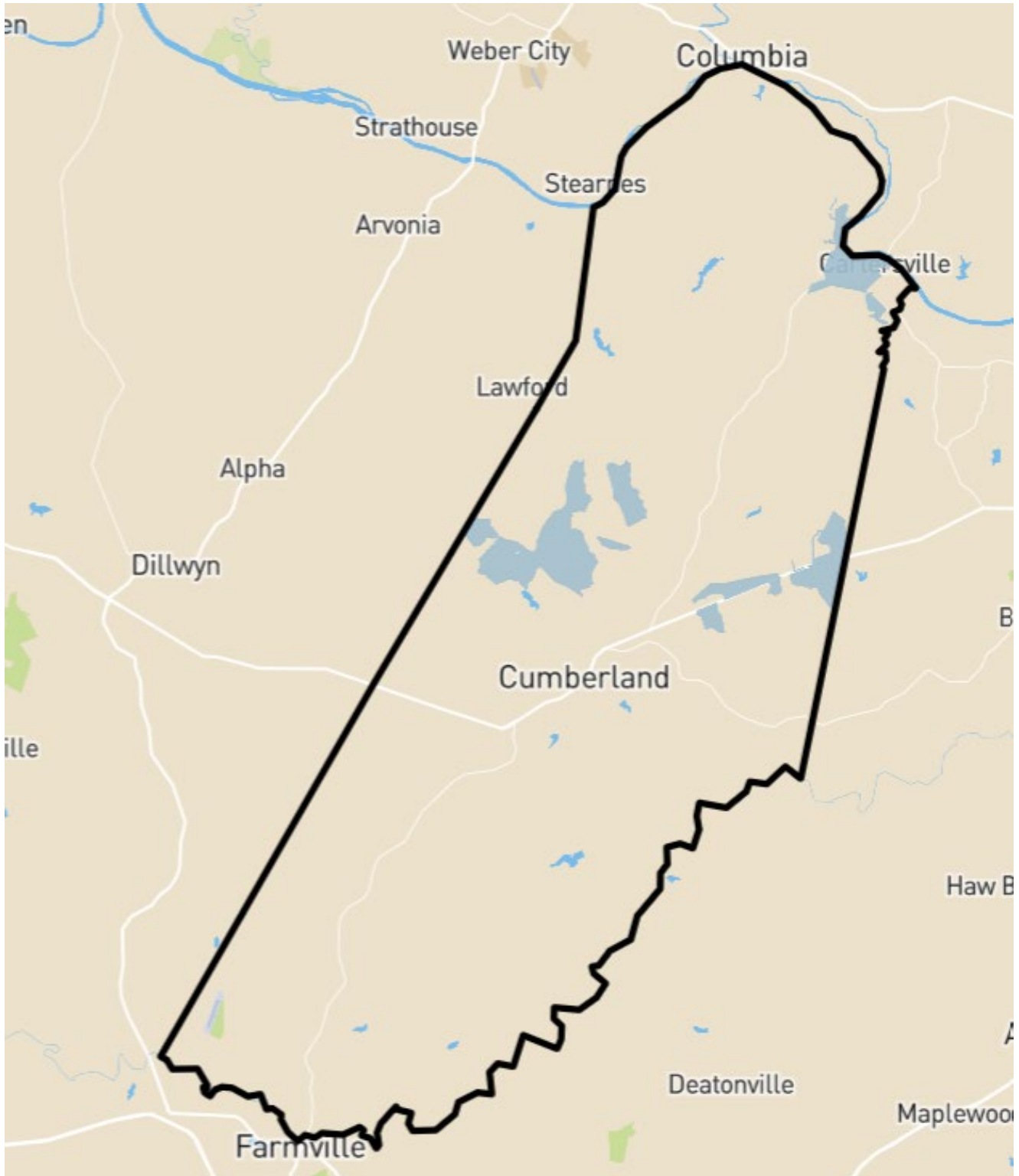




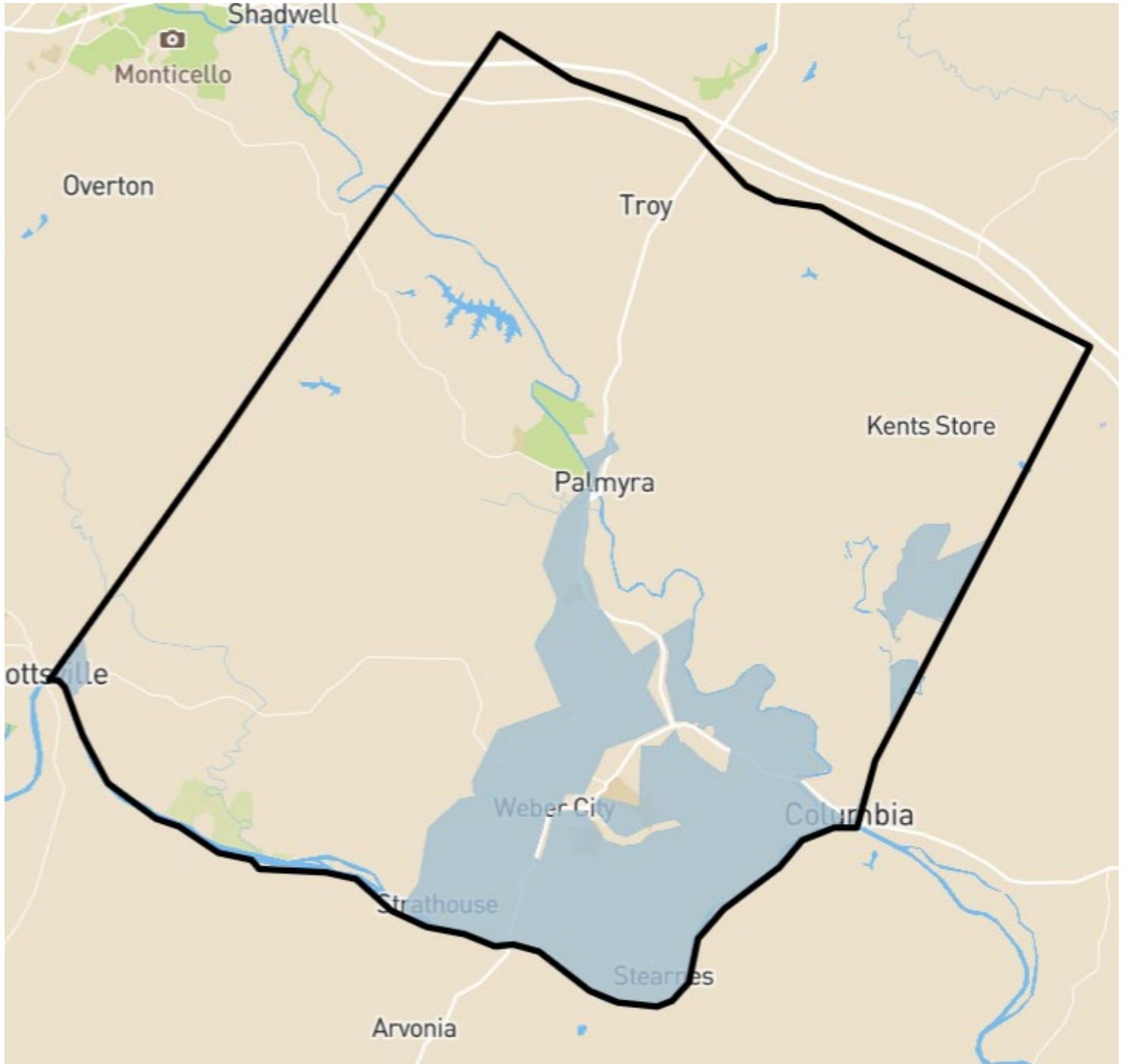


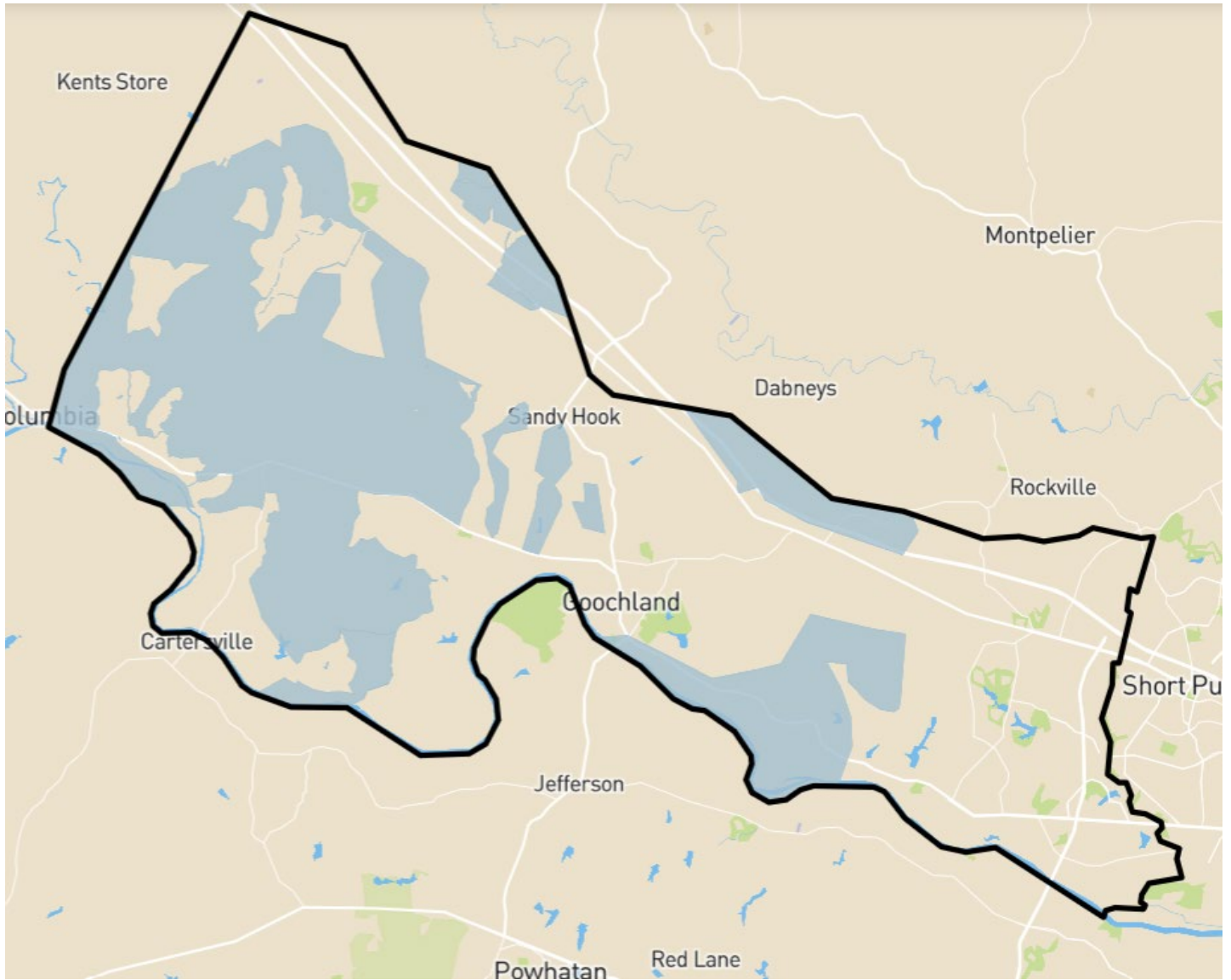


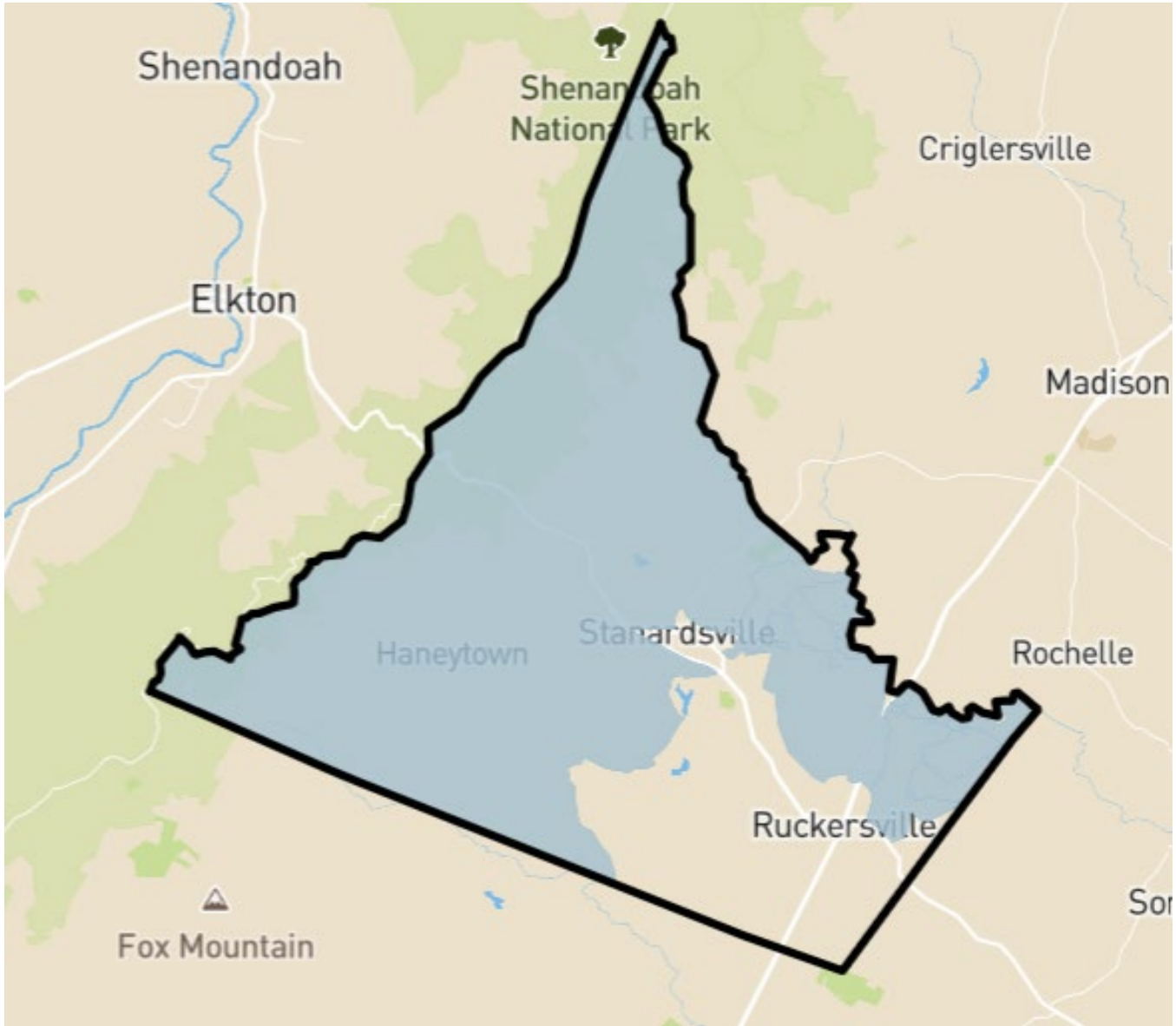


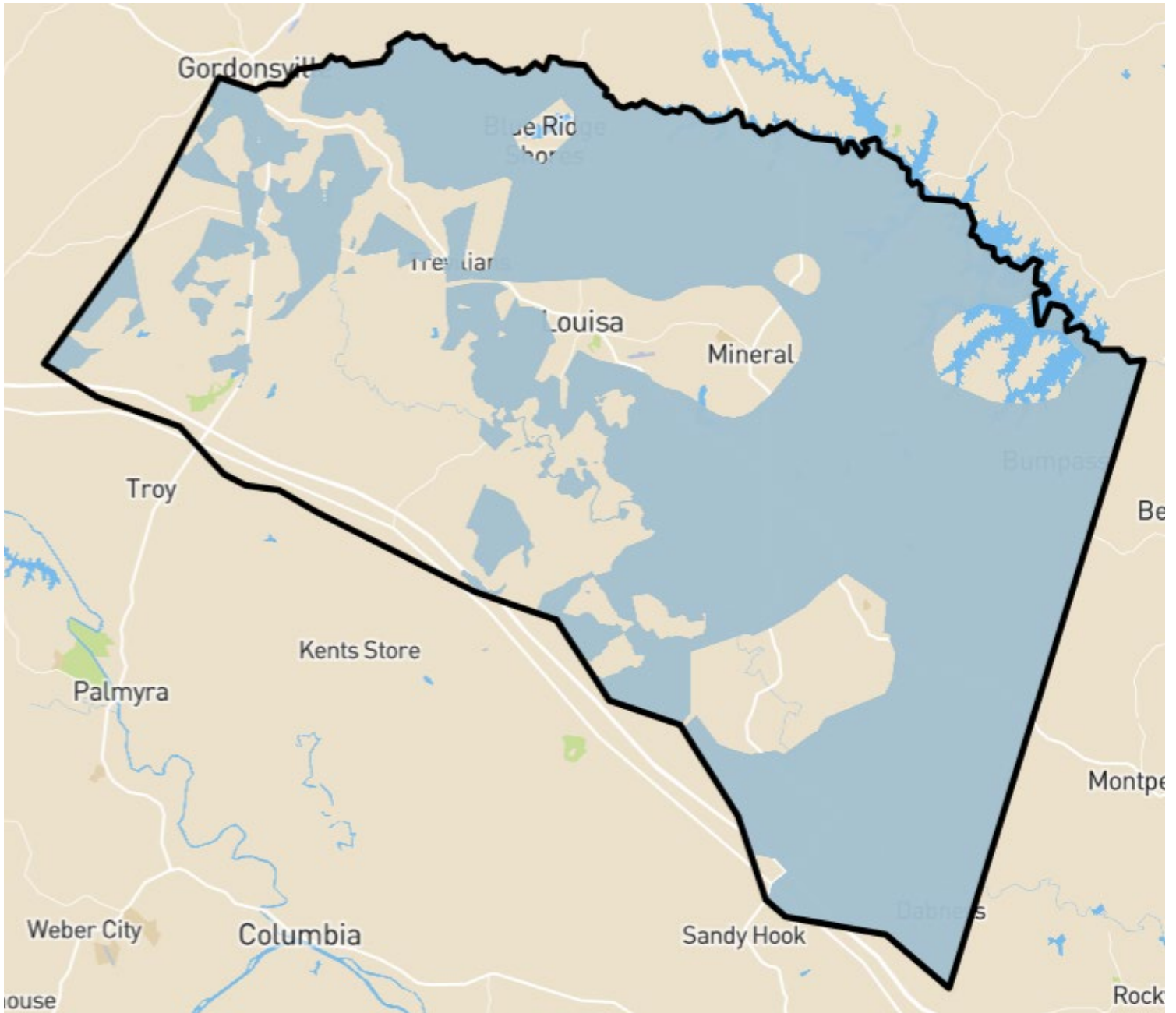




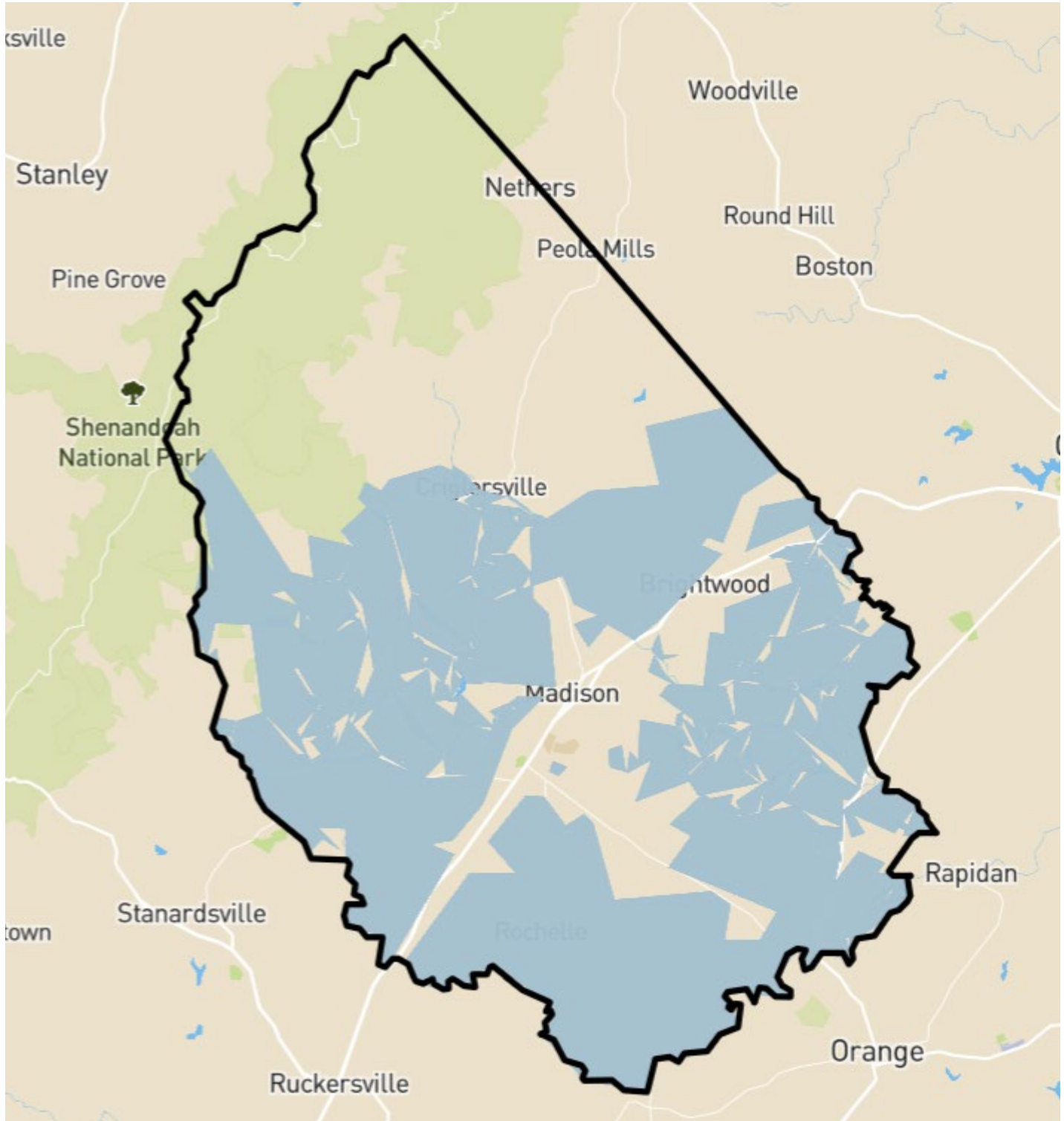




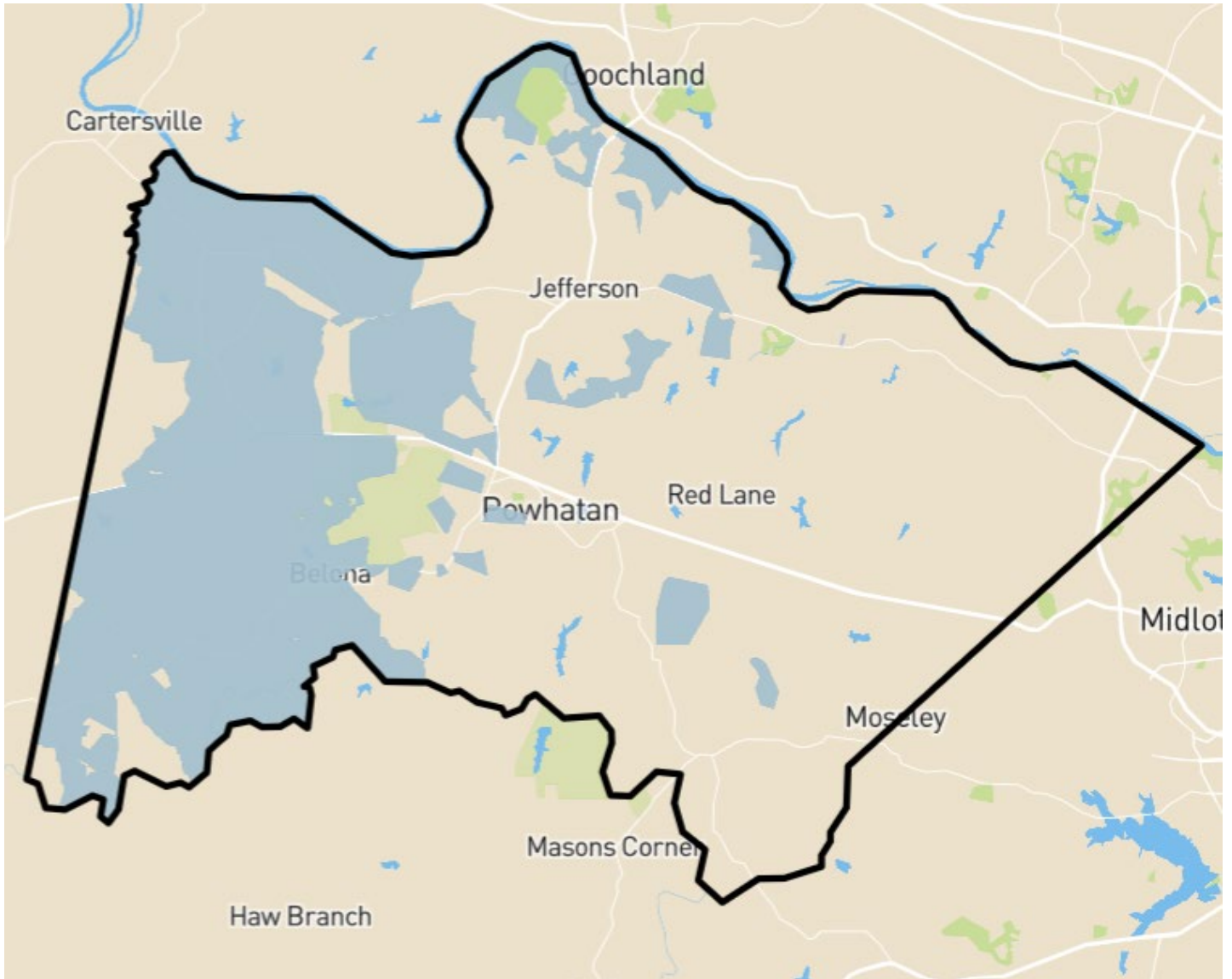




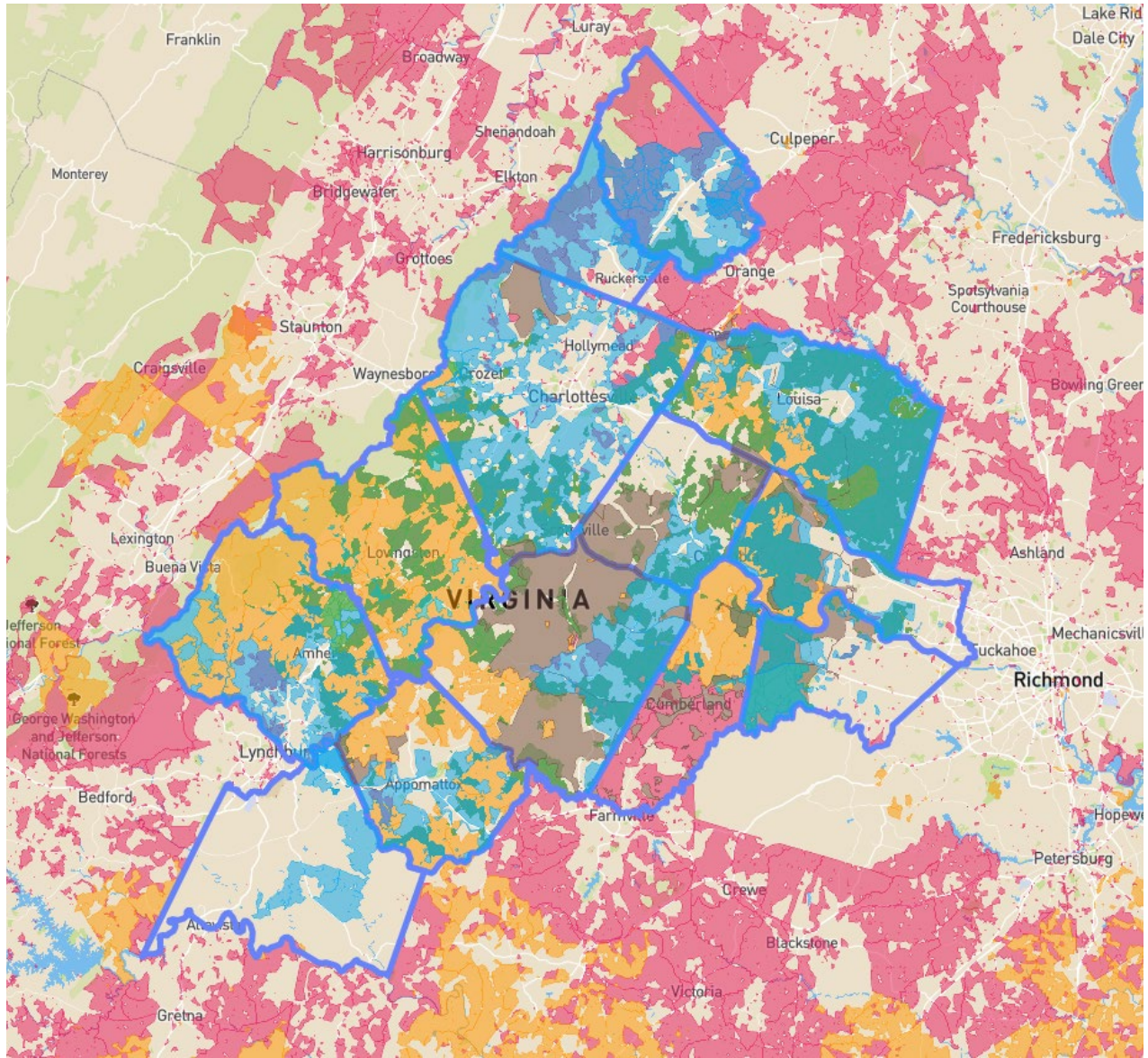












- RDOF
- ReConnect
- CAF
- VATI Grant Area



# 2022 Virginia Telecommunication Initiative (VATI)

## RDOF Passings Form

Type of Passings	Total Number of Passings in the Project Area that lie within Preliminarily Awarded RDOF Areas <sup>1</sup>
<b>Residential</b>	14392
<b>Businesses (non-home based)</b>	1921
<b>Businesses (home-based)</b>	15
<b>Community Anchors</b>	132
<b>Non-residential</b>	99
<b>Total Number of RDOF Passings</b>	16559

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

### Definitions

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

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

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

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

Total number of passings in RDOF areas that overlap VATI application

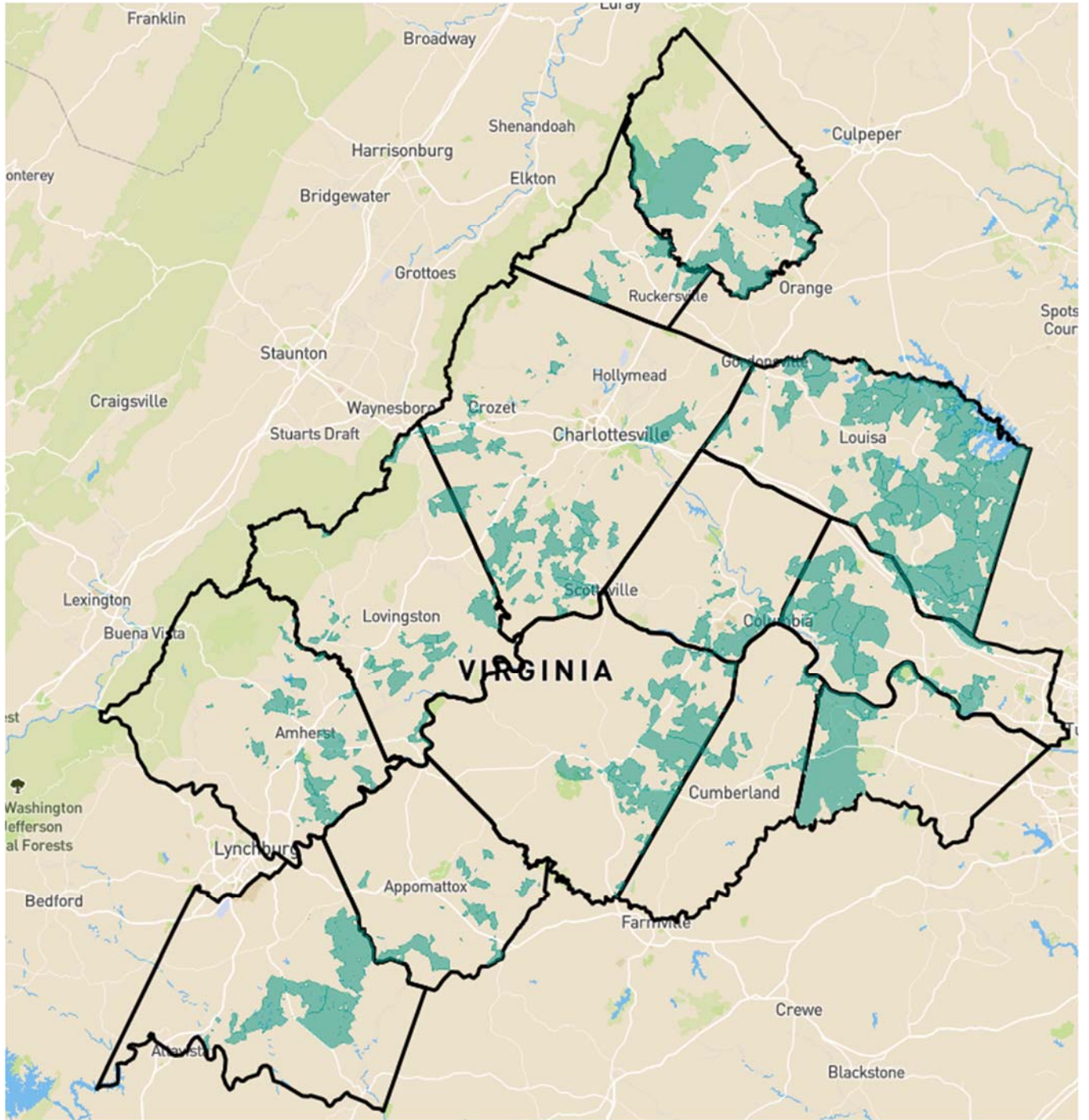
<b>County</b>	<b>Number of passings</b>
Albemarle	1137
Amherst	755
Appomattox	485
Buckingham	1183
Campbell	1855
Cumberland	278
Fluvanna	331
Goochland	2383
Greene	712
Louisa	8148
Madison	1504
Nelson	225
Powhatan	1393
<b>Grand Total</b>	<b>20389</b>

RDOF census blocks covered in the application  
 The entire census block group may not be covered

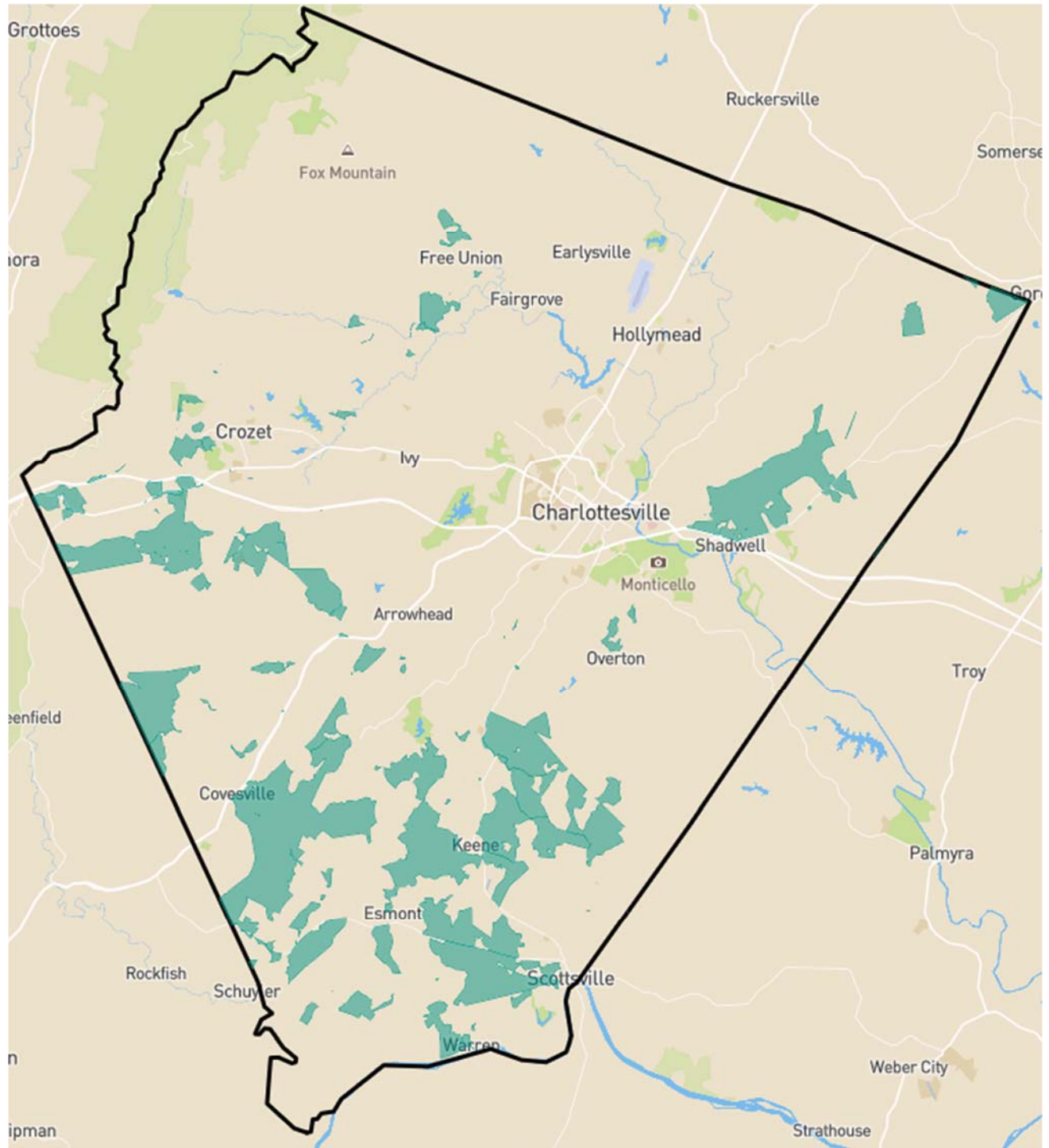
<b>County</b>	<b>Census block group ID</b>
<b>Albemarle</b>	510030101003
	510030104012
	510030104013
	510030111003
	510030111004
	510030112011
	510030112012
	510030112013
	510030112022
	510030113012
	510030113014
	510030114001
	510030114002
	510030114003
510030114004	
<b>Amherst</b>	510090101001
	510090101002
	510090101003
	510090102001
	510090102002
	510090102004
	510090106001
<b>Appomattox</b>	510110402003
	510110403001
	510110403002
	510110403003
	510110403004
<b>Buckingham</b>	510299301012
	510299301021
	510299301022
	510299301023
	510299302012
	510299302013
	510299302022
<b>Campbell</b>	510310201021
	510310206001
	510310208001
	510310208002
	510310209001
<b>Cumberland</b>	510499301002
	510499301003
<b>Fluvanna</b>	510650202002
	510650202003
	510650202004
	510650203001
	510650203002

<b>County</b>	<b>Census block group ID</b>
<b>Gochland</b>	510754002001
	510754002002
	510754002003
	510754003001
	510754004001
	510754004003
	510754005001
	510754005002
	510754005003
<b>Greene</b>	510790301012
	510790301024
	510790302003
<b>Louisa</b>	511099501001
	511099501002
	511099501003
	511099501004
	511099502011
	511099502012
	511099502013
	511099502021
	511099502022
	511099503001
	511099503002
	511099503003
	511099504001
	511099504002
	511099505001
	511099505002
511099505003	
<b>Madison</b>	511139301001
	511139301002
	511139302001
	511139302003
<b>Nelson</b>	511259501001
	511259501002
	511259501003
	511259501004
	511259502002
	511259502004
	511259503001
	511259503002
	511259503003
511259503004	
<b>Powhatan</b>	511455003001
	511455004001
	511455004002

VATI application area

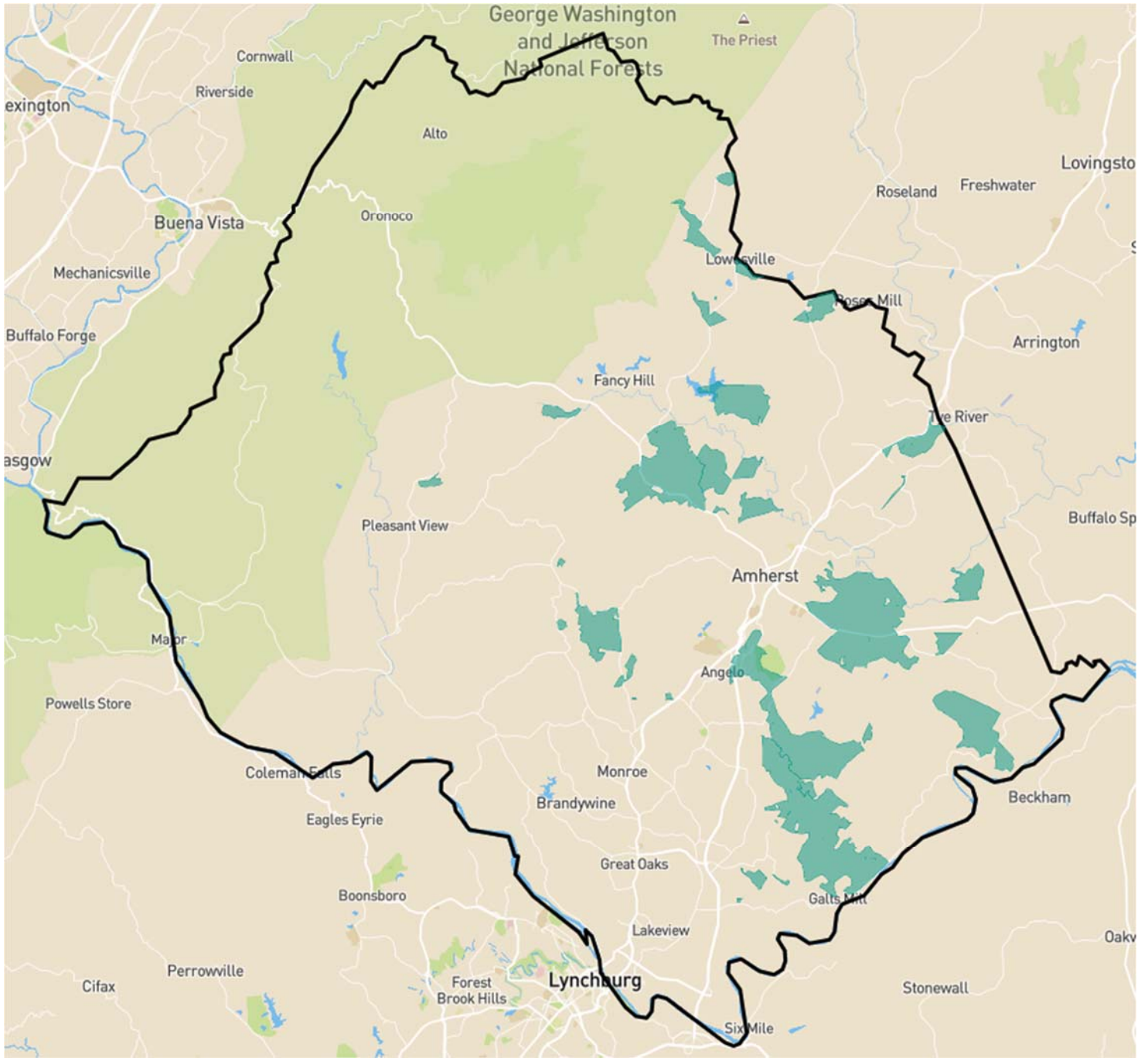


# ALBEMARLE COUNTY

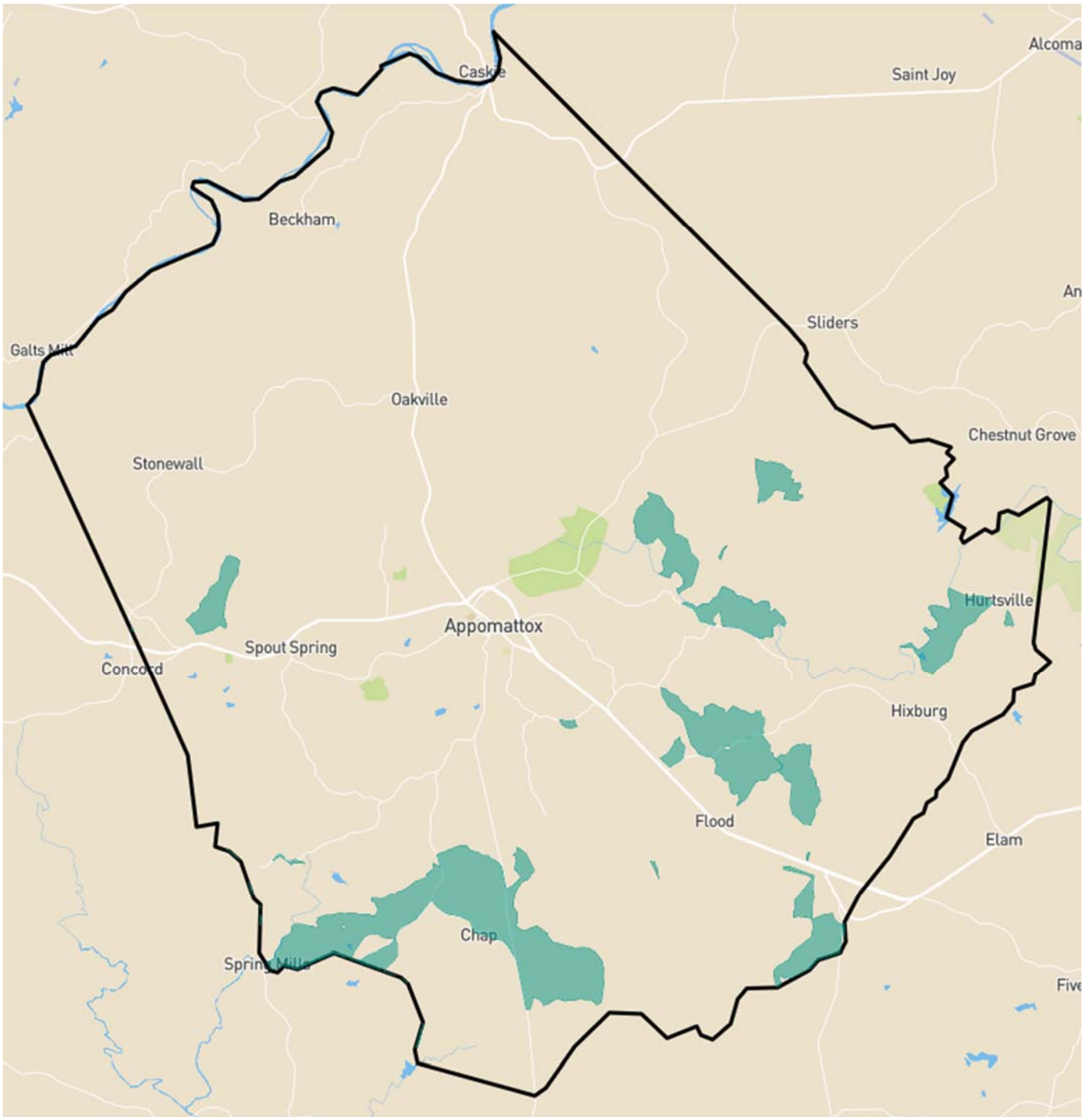




# AMHERST COUNTY

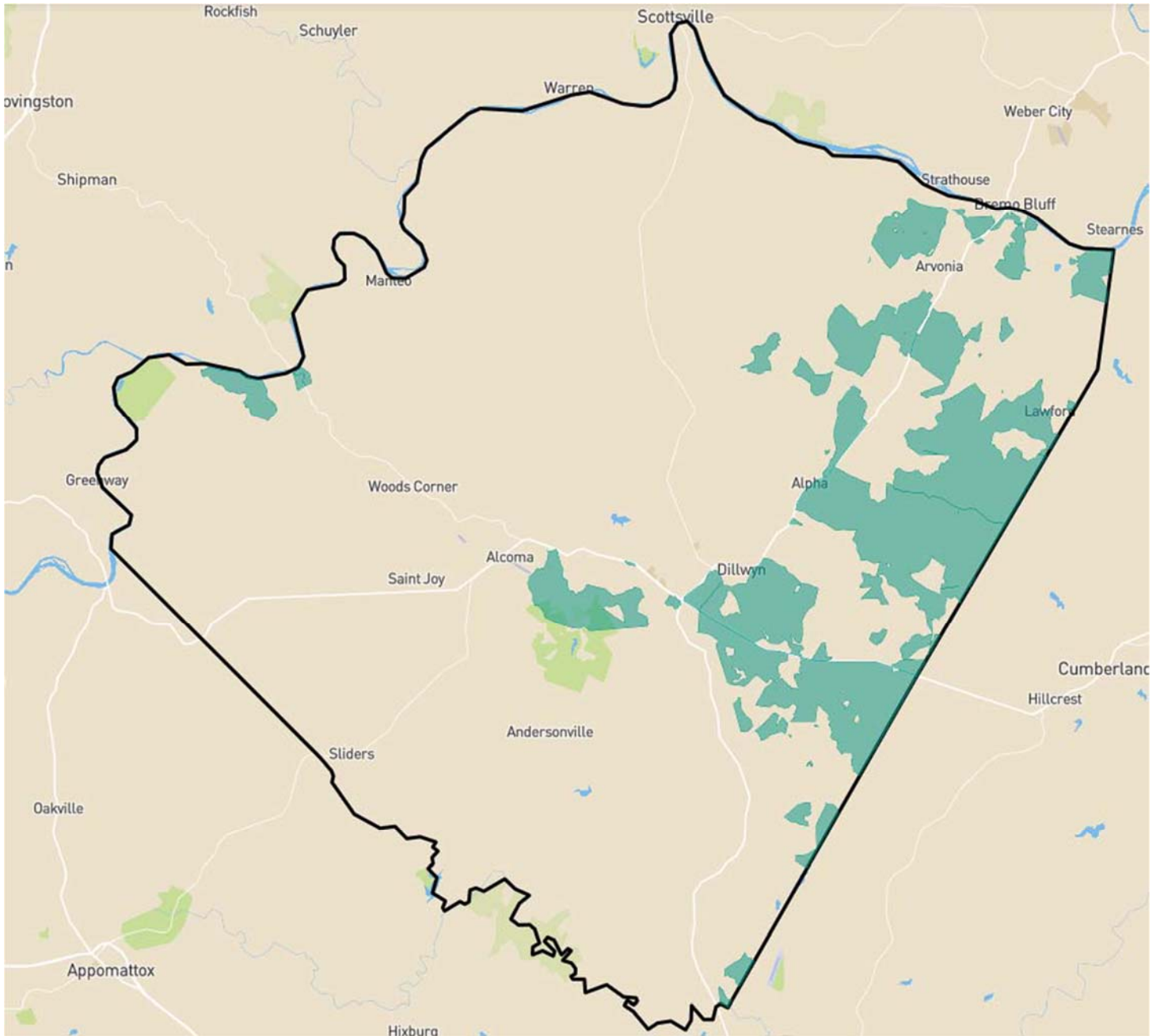


# APPOMATTOX COUNTY

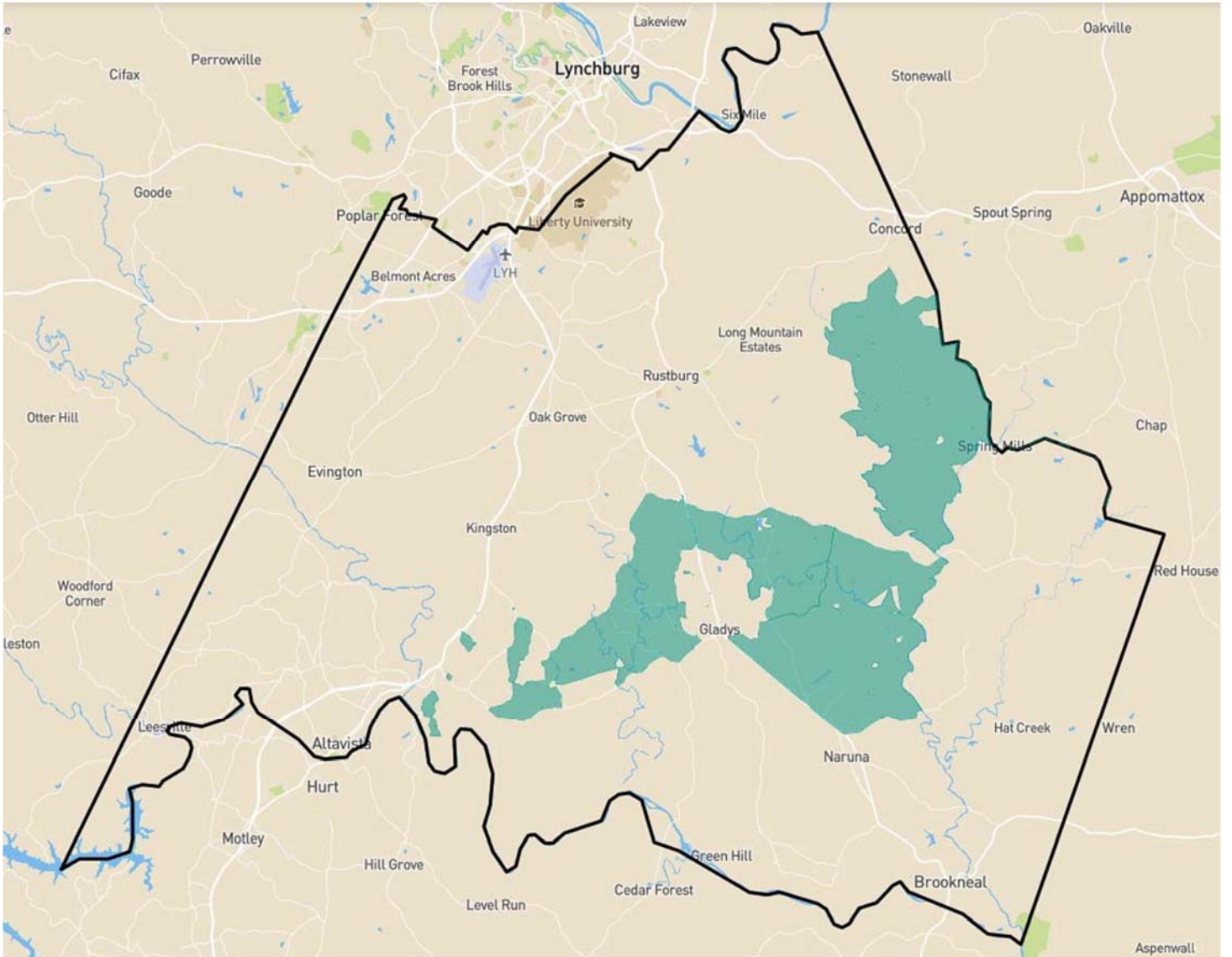




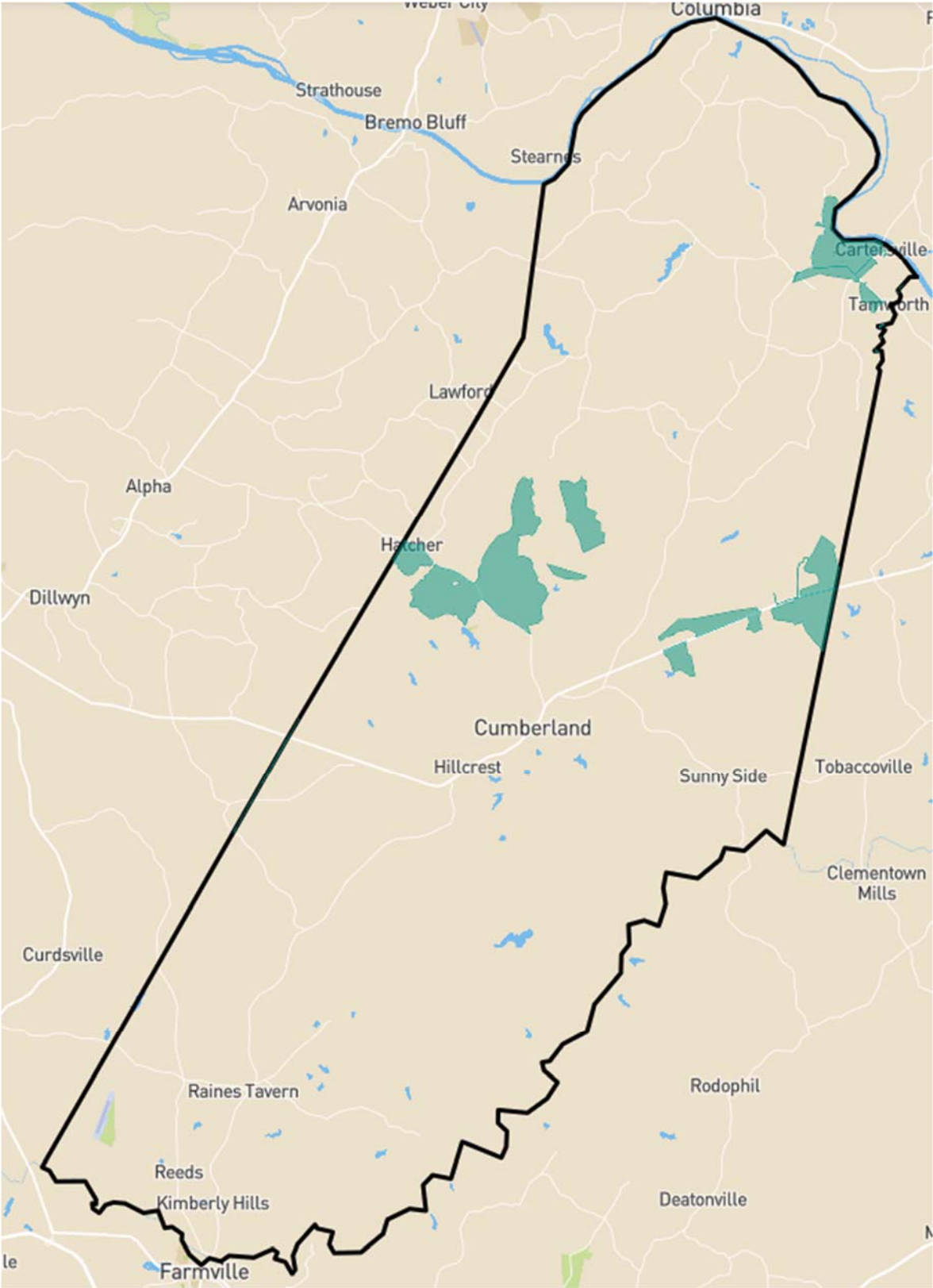
# BUCKINGHAM COUNTY



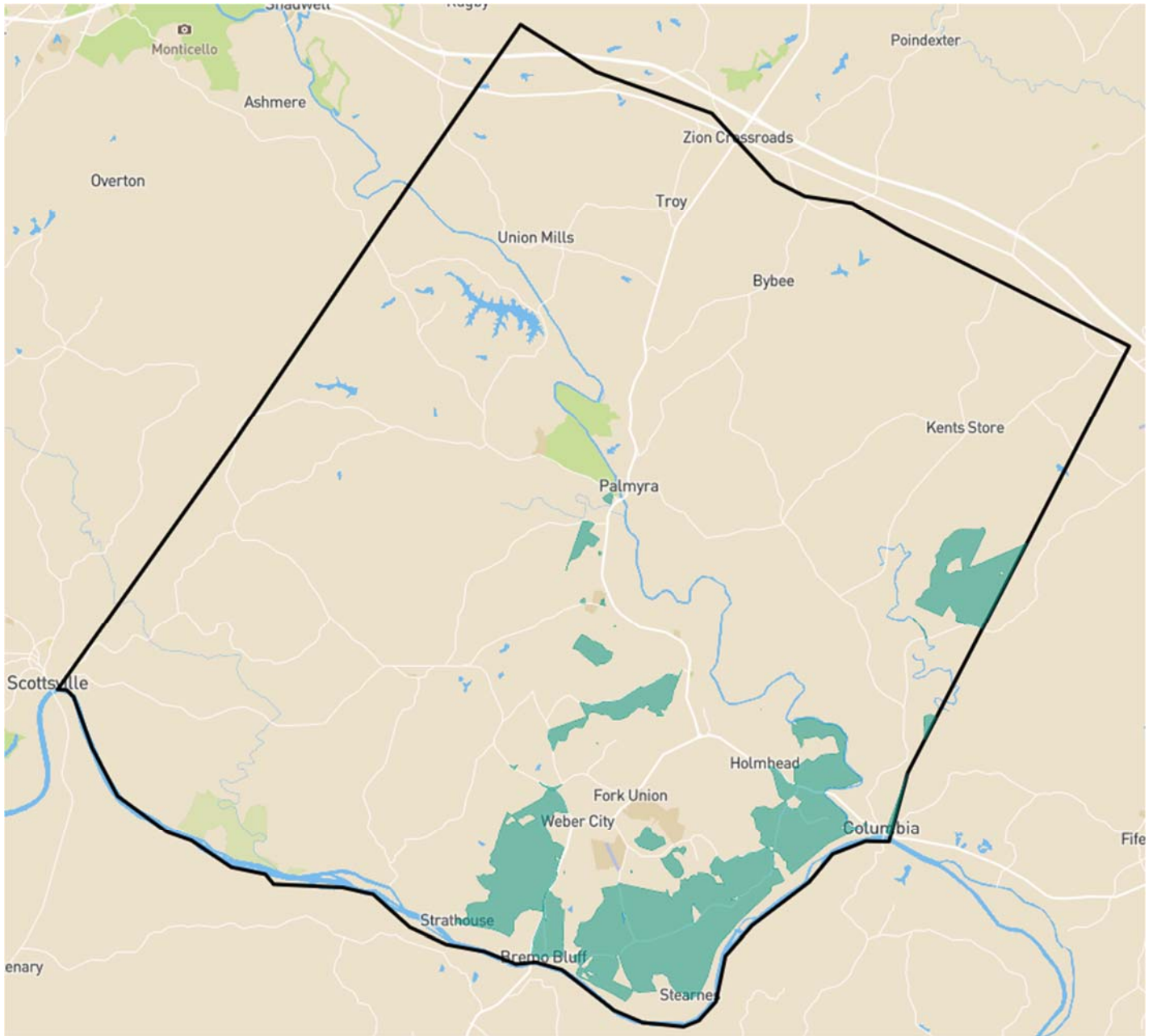
# CAMPBELL COUNTY



CUMBERLAND COUNTY

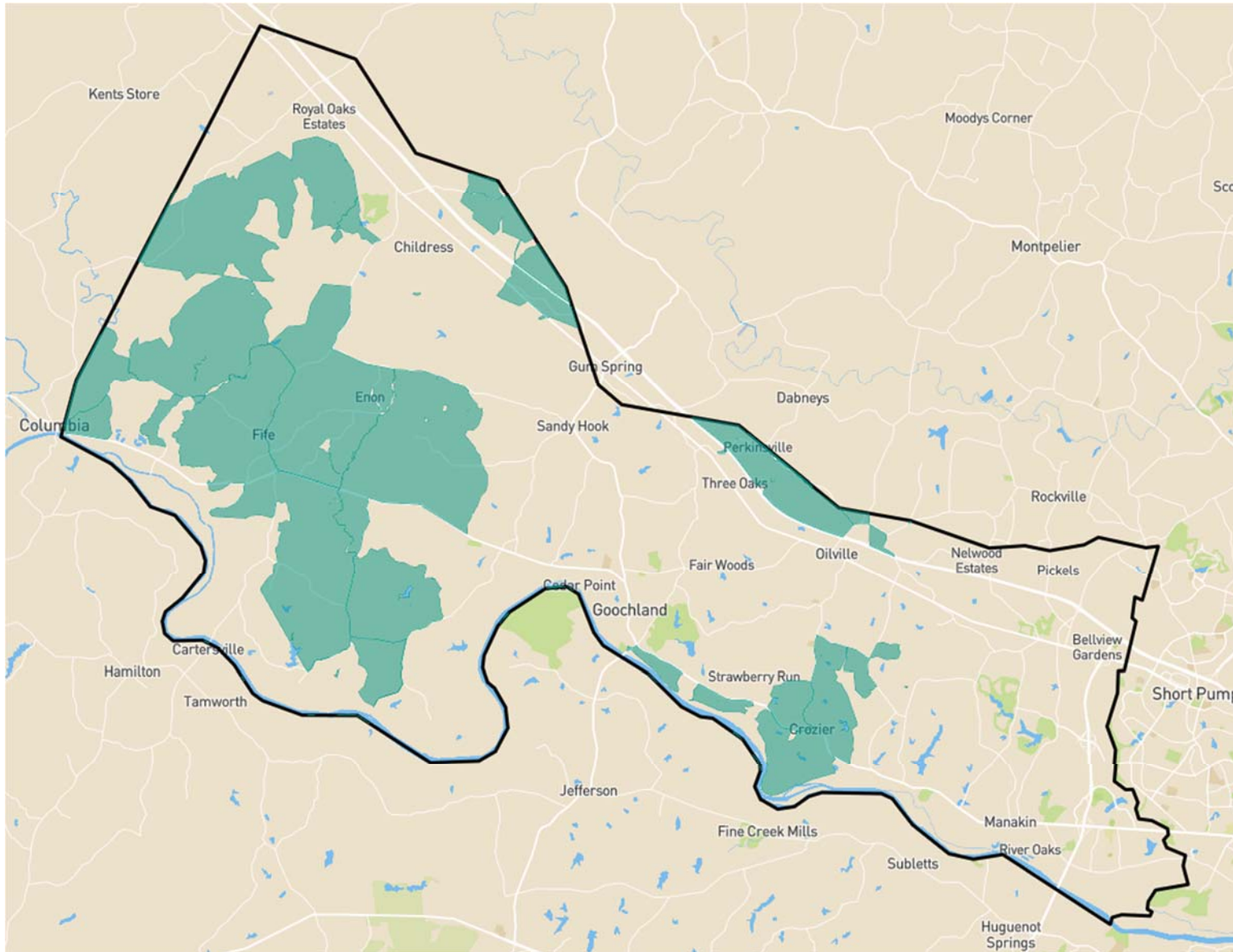


# FLUVANNA COUNTY

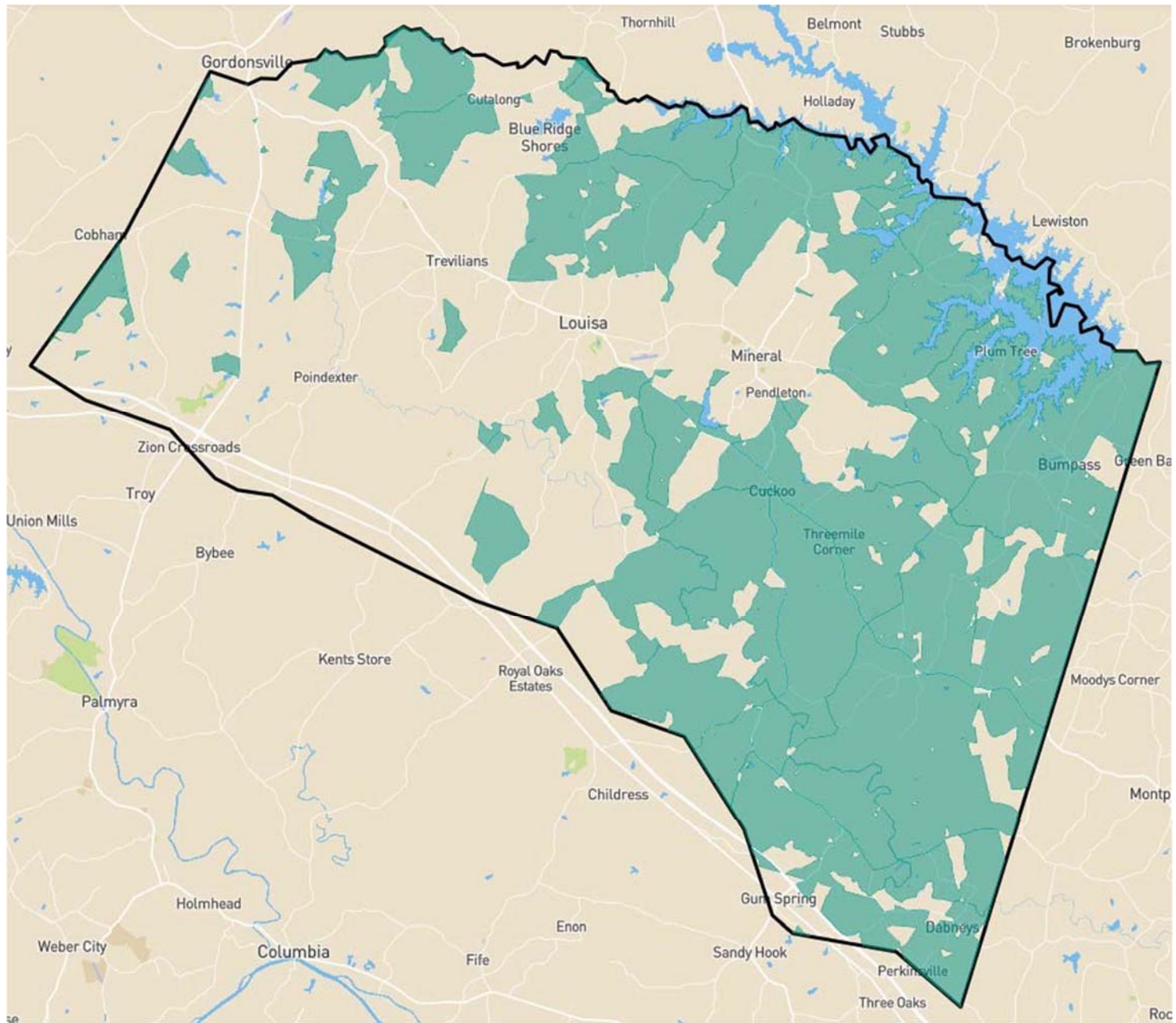




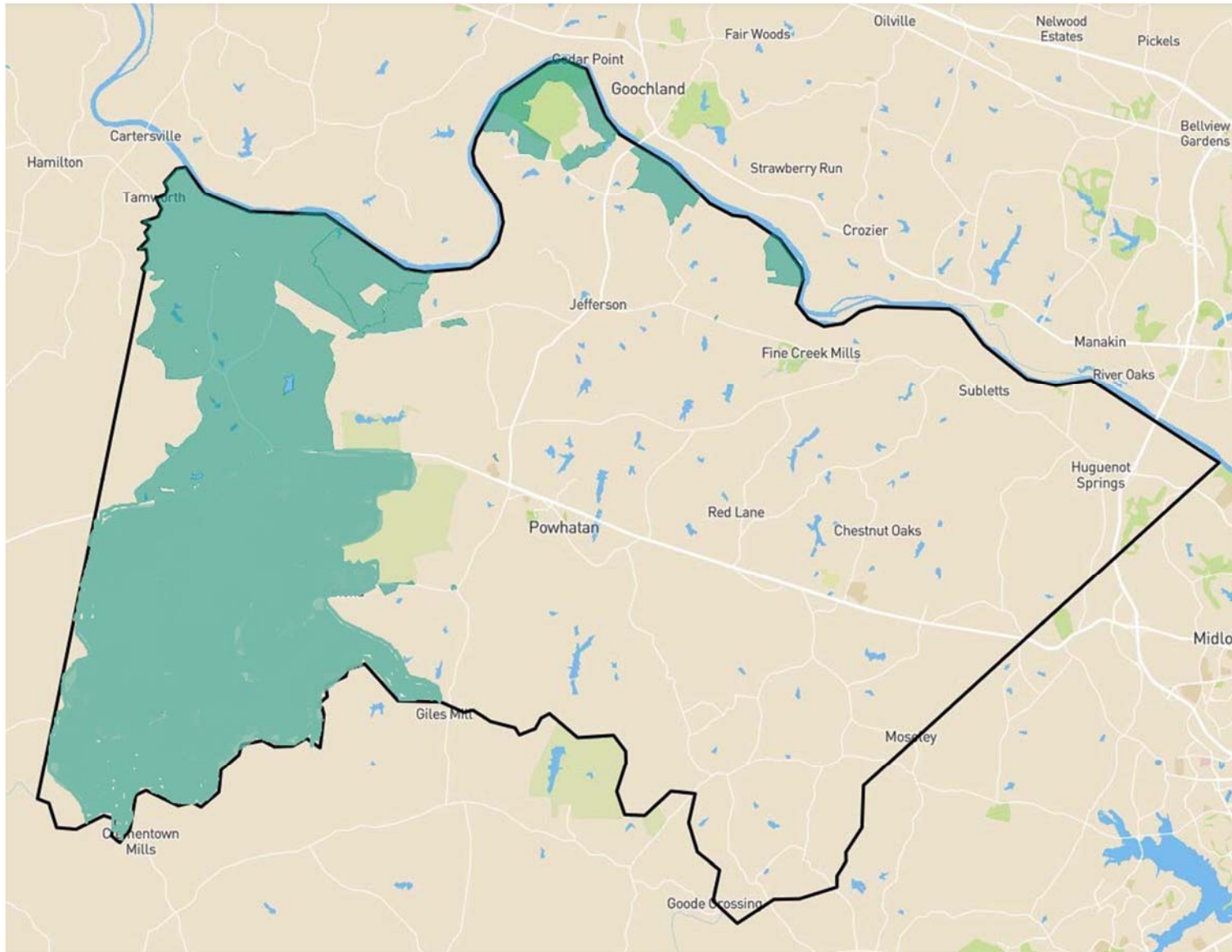
# GOOCHLAND COUNTY



# LOUISA COUNTY

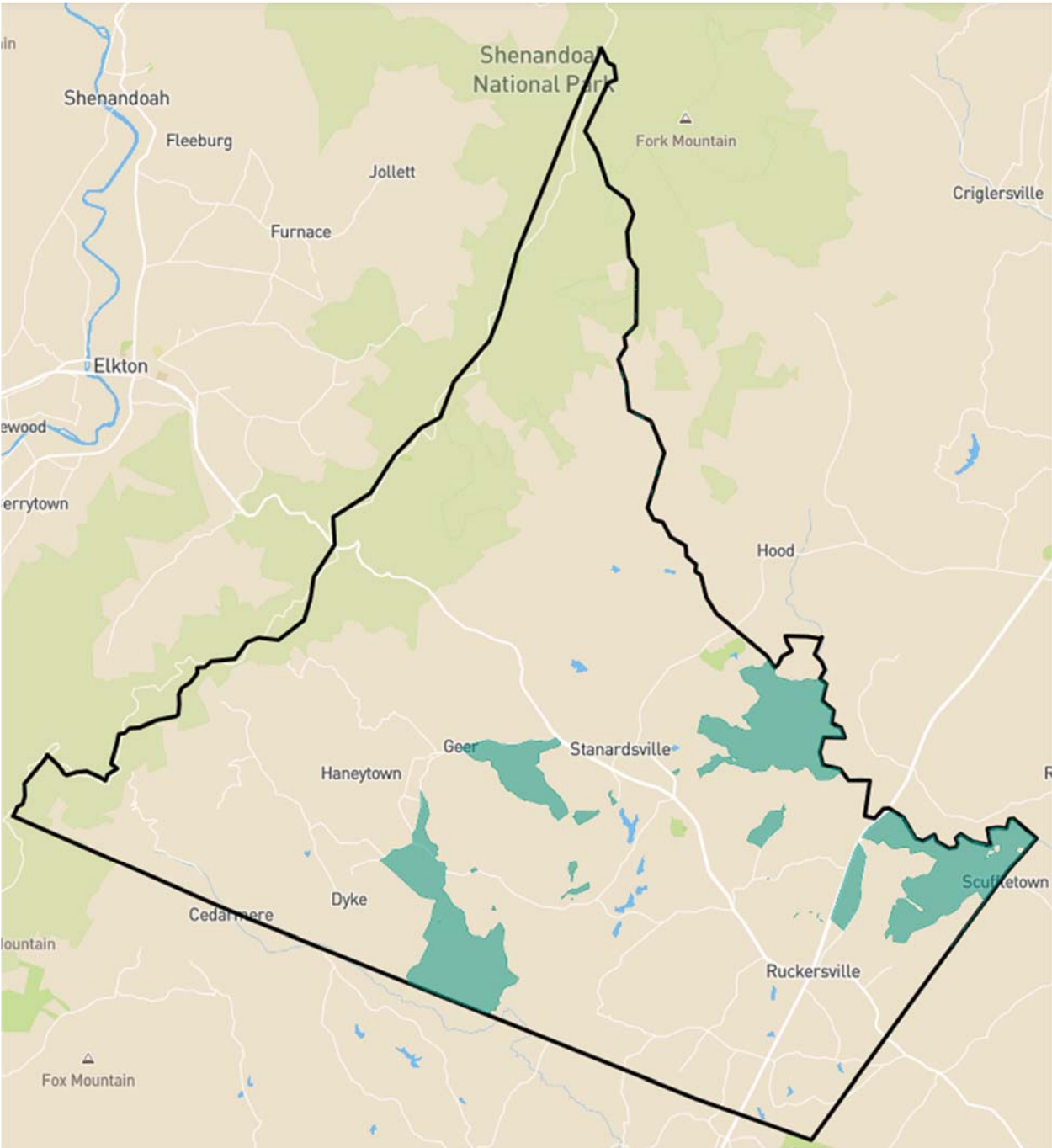


# POWHATAN COUNTY



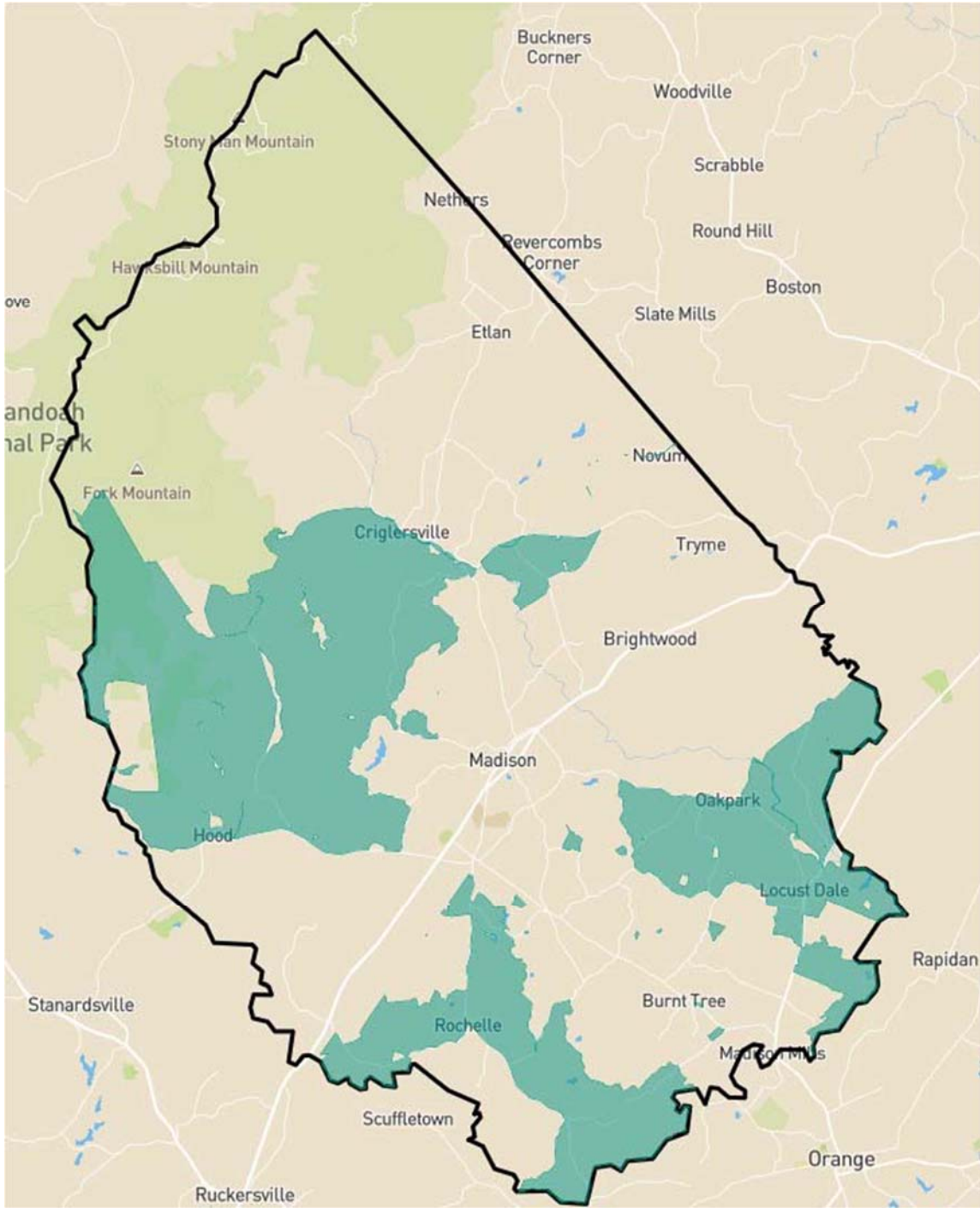


GREENE COUNTY

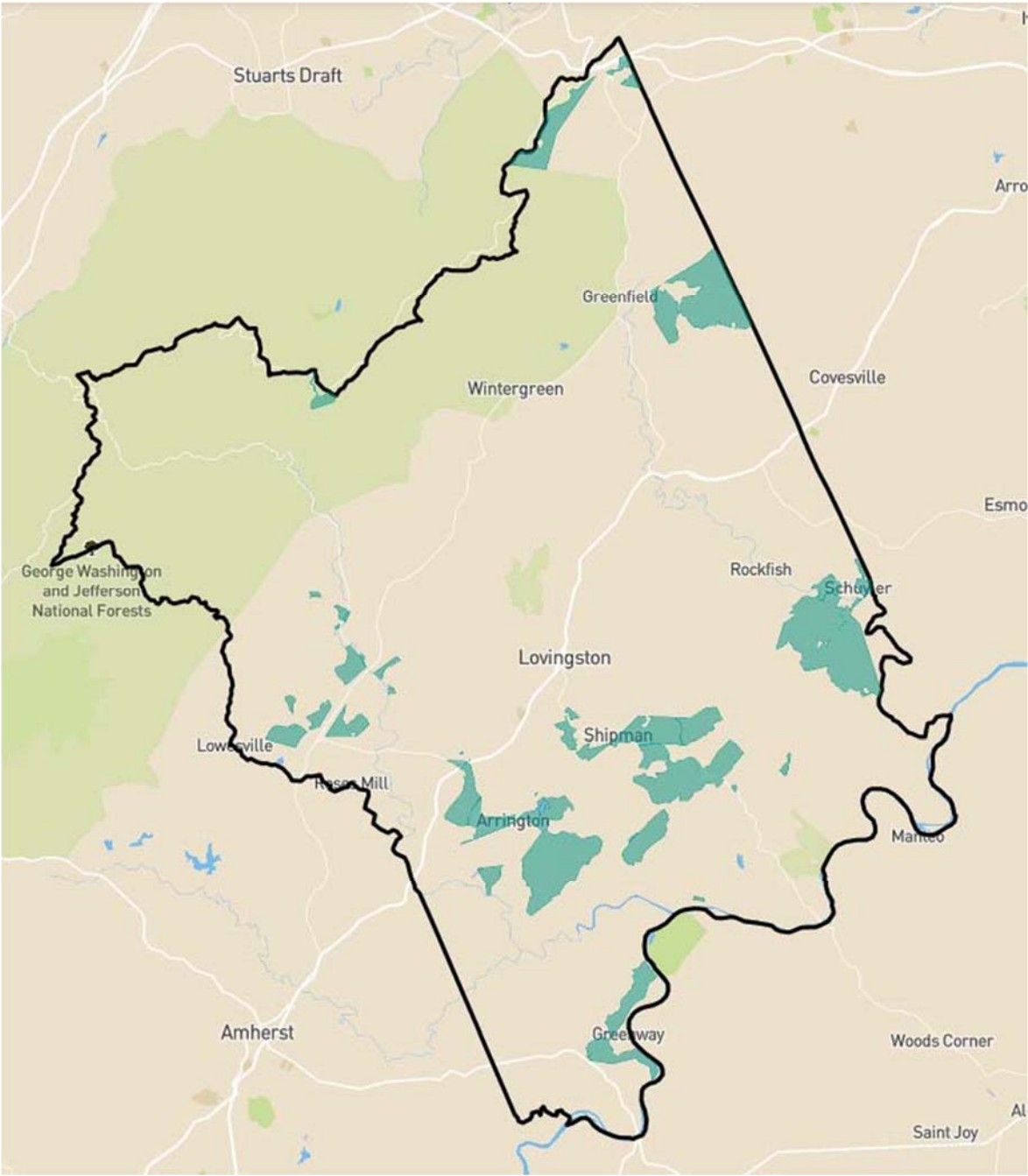




# MADISON COUNTY



NELSON COUNTY



Zip	City	County	Download M	Upload Mbp	Subscription Speed	ISP	Denied by others?
22947	Keswick	Albemarle	0.58	0.00	3mbps download speed, less than 1mbps upload speed	CenturyLink	Comcast, Verizon
22947	Keswick	Albemarle	9.69	0.67	unsure, very slow	CenturyLink	
22947	Keswick	Albemarle	0.00	0.00	I don't know	CenturyLink	
22942	Gordonsville	Albemarle	0.00	0.00		No Provider	Starlink (expensive and not yet available), CenturyLink not available, Verizon not available, xfinity not available, dish not available, Comcast not available; NO ONE AVAILABLE Beam didn't pull enough to allow us to subscribe. Would have been \$100 install and believe \$60 a month for 25 mbps. Starlink isn't available here but would cost way too much.
22942	Gordonsville	Albemarle	0.00	0.00	think 25mbps but we only pull about 3mbps	CenturyLink	
22942	Gordonsville	Albemarle	1.49	0.43	1.5 mb	CenturyLink	
22947	Keswick	Albemarle	0.00	0.00	3mps	CenturyLink	
22947	John Rd	Albemarle	0.00	0.00		CenturyLink	Centurylink--n/a for new people using DSL 1 Mbps. Starlink has a long waiting list, but most of my neighbors are unaware.
22942	Gordonsville	Albemarle	0.00	0.00	I have to use my cell phone for data (9 Mbps using fast.com)	Mobile Hotspot	
22947	Keswick	Albemarle	7.49	0.59	8/.7 is what I get	Verizon	
22942	Gordonsville	Albemarle	1.47	0.77	Download 1.46. Upload .69	CenturyLink	All of them Xfinity CenturyLink Verizon SEGRA Lumos Networks SCSBroadband Viasat HughesNet
22942	Gordonsville	Albemarle	0.00	0.00	Centrylink	CenturyLink	
22947	Keswick	Albemarle	1.45	0.24	Advertised 1.5 mbps, it has never been that. Upload is essent	CenturyLink	We had Viasat, but it only worked 50% of the time at best, could not stream anything and was super expensive. We tried Hughes Net before that, but it would not work more than 10 - 25% of the time -- it was a joke!
22947	Keswick	Albemarle	0.00	0.00	Lowest Century Link Phone line internet plan -- very inadequate	CenturyLink	N/A
22942	Gordonsville	Albemarle	0.00	0.00	20 mbps up and 1 mbps down	CenturyLink	
22947	Keswick	Albemarle	3.58	0.47	UPLOAD: 0.39 mbps Download: 3.10 mbps	CenturyLink	
22947	Keswick	Albemarle	8.54	2.57		No Provider	
22947	Keswick	Albemarle	1.75	0.37		0.8 CenturyLink	
22932	Crozet	Albemarle	0.00	0.00	Cell signal access	Fixed Wireless Internet	CenturyLink
22932	Crozet	Albemarle	0.00	0.00		No Provider	
22932	Crozet	Albemarle	0.59	0.00	We have a Verizon hotspot with \"unlimited\" data	NO	Verizon
22943	Greenwood	Albemarle	16.69	1.22	40 Mbps download and 6 Mbps upload	Other	Comcast CenturyLink CenturyLink Comcast
22943	Greenwood	Albemarle	10.29	0.00	40 Mbps download and 6 Mbps upload	Other	Verizon Comcast Verizon
22943	Greenwood	Albemarle	18.43	1.19	40 Mbps download and 6 Mbps upload	Other	CenturyLink
22935	Dyke	Albemarle	28.74	2.93	30.9 up and 2,8 down	CenturyLink	
22936	Earlysville	Albemarle	21.09	1.48	Upload 1 mbit, download 30 mbit	CenturyLink	
22936	Earlysville	Albemarle	27.21	2.96		CenturyLink	Xfinity Comcast, Verizon (which is my cell provider and I have to use a Verizon boost off the horrible internet for my cell service so both are terrible), mobile hotspot through the school and on my phone, satellite. Please help! I'm 10 minutes
22936	Earlysville	Albemarle	26.16	1.46	upload is less than 5 as is download it is horrible and I work fr	CenturyLink	
22936	Earlysville	Albemarle	11.61	0.69	UPLOAD 0.6 DOWNLOAD 9.5 PING 23	CenturyLink	
22935	Dyke	Albemarle	2.27	1.97		40 CenturyLink	
22935	Dyke	Albemarle	15.11	0.75	15.48 up; .71 down	CenturyLink	

22936	Earlysville	Albemarle	0.00	0.00	40	CenturyLink	Comcast
22936	Earlysville	Albemarle	0.00	0.00		CenturyLink	
22936	Earlysville	Albemarle	32.33	1.60		30mbs CenturyLink	Comcast
22936	Earlysville	Albemarle	16.11	0.80		1.0 mbps upload 15 mbps download CenturyLink	Comcast Xfinity
22936	Earlysville	Albemarle	6.33	1.61		~16 mbps download and 2 mbps upload Mobile Hotspot	Comcast Xfinity
22936	Earlysville	Albemarle	11.84	0.75		UPLOAD 0.8 DOWNLOAD12.0 CenturyLink	
22936	Earlysville	Albemarle	29.40	5.68		We have 5 lots we intend to sell next to ours that does not h	No Provider
22936	Earlysville	Albemarle	5.87	0.46		I think we pay for 10 mbps download; not sure about upload.	CenturyLink
22936	Earlysville	Albemarle	24.77	1.95			CenturyLink
22936	Earlysville	Albemarle	11.44	0.93		2 mbps upload, 20 mbps download	CenturyLink
22936	Earlysville	Albemarle	42.20	3.56		31 Mbps 2.3 Mbps	Satellite Internet
22936	Earlysville	Albemarle	0.00	0.00		10 mbps download	CenturyLink
22936	Earlysville	Albemarle	9.57	0.68		9.8 download, .7 upload	CenturyLink
22936	Earlysville	Albemarle	5.41	0.16		10mbps	CenturyLink
22935	Dyke	Albemarle	0.00	0.00		20 mbps	CenturyLink
22936	Earlysville	Albemarle	3.13	0.46		4 mbs download and 0.5 mbs upload	CenturyLink
22935	Dyke	Albemarle	9.47	0.64	10		CenturyLink
22936	Earlysville	Albemarle	21.00	1.83		22/1	CenturyLink
22936	Earlysville	Albemarle	0.38	0.00		Not sure, the bill just says \up to 3 mbps.\\"	CenturyLink
22936	Earlysville	Albemarle	15.07	1.56		15 MPPS download and 1.5 MBPS upload	CenturyLink
22936	Earlysville	Albemarle	26.90	2.98		30Mbs down, 3 up	c. Century Link
22935	Dyke	Albemarle	47.33	0.30		not sure	Other
22935	Dyke	Albemarle	12.91	1.54		20 mbps ; not sure uploads	CenturyLink
22935	Dyke	Albemarle	0.00	0.00		20mb Down - 1 Up	CenturyLink
							Century Link has been the only option and they don't provide reliable service ever at 2mbs. Currently running from a T-Mobile tower, which has been sometimes faster, but no reliable. ALL PROVIDERS HAVE TOLD ME NOT AVAILABLE!
22935	Dyke	Albemarle	26.76	26.87			Mobile Hotspot
22935	Dyke	Albemarle	0.00	0.00			No Provider
22901	Charlottesville	Albemarle	0.00	0.00			CenturyLink
22936	Earlysville	Albemarle	12.11	0.64			CenturyLink
22936	Earlysville	Albemarle	7.14	10.65		I'm paying for two services. One has 22mps download and 1u	CenturyLink
22936	Earlysville	Albemarle	2.38	0.46		15 MBPS down	CenturyLink
22936	Earlysville	Albemarle	9.64	0.77		10 mbps down, 1 mbps up	CenturyLink
22936	Earlysville	Albemarle	13.66	1.15			CenturyLink
22936	Earlysville	Albemarle	7.26	0.87			CenturyLink
22936	Earlysville	Albemarle	3.29	0.27		Upload - <1, download 2-4	CenturyLink
22936	Earlysville	Albemarle	0.78	0.48		1.5/0.5	CenturyLink
22936	Earlysville	Albemarle	0.00	0.00			3-Oct CenturyLink
22936	Earlysville	Albemarle	3.05	0.36		i don't know	Mobile Hotspot
22936	Earlysville	Albemarle	7.47	0.60		25 download via Tmobile wireless that is never more than hal	CenturyLink
22936	Earlysville	Albemarle	19.71	1.82		Yes	CenturyLink
22936	Earlysville	Albemarle	9.46	0.70		DSL 15 down / <1 up	CenturyLink
22936	Earlysville	Albemarle	2.29	0.44		3 mbps	CenturyLink
22976	Tyro	Albemarle	0.42	0.49		3 mbps	CenturyLink
22936	Earlysville	Albemarle	9.72	0.72		10/0.8	CenturyLink
22936	Earlysville	Albemarle	0.87	1.09		Download speed up to 20 Mbps - usually we get 15 or less	CenturyLink
							We have no other options. Centurylink
							Yes - centurylink - they said no, many times
							shentel? wireless not available
							Comcast
							Comcast
							CenturyLink, Comcast
							no other provider services this location. Only CenturyLink.
22935	Dyke	Albemarle	5.58	0.50		upload is .48 Mbps & download is 5.74 Mbps	CenturyLink
22936	Earlysville	Albemarle	0.00	0.00	1.5		CenturyLink
22936	Earlysville	Albemarle	23.13	1.83		2 mg/25mg	CenturyLink
22936	Earlysville	Albemarle	22.66	1.84		25 download	CenturyLink
22936	Earlysville	Albemarle	0.00	0.00		12MB down / 1MB up	CenturyLink
22936	Earlysville	Albemarle	20.17	1.89		25/2	CenturyLink
22936	Earlysville	Albemarle	0.00	0.00		1mbs 60\$ a month	CenturyLink
22901	Charlottesville	Albemarle	0.00	0.00		60 download / 5 upload	c. Century Link
22936	Earlysville	Albemarle	25.06	2.02		25/2	CenturyLink
22936	Earlysville	Albemarle	21.78	1.94		Up to 25 Mbps	CenturyLink
22936	Earlysville	Albemarle	34.36	2.41		40 down and 3 up	CenturyLink
22936	Earlysville	Albemarle	14.71	0.58		15/3 mbps	CenturyLink
22936	Earlysville	Albemarle	19.79	1.42		40Mbps down and 3 Mbps up	CenturyLink
22936	Earlysville	Albemarle	5.58	0.45		6 mbps	CenturyLink
22901	Charlottesville	Albemarle	24.84	1.56		40/3	CenturyLink
22901	Charlottesville	Albemarle	0.00	0.00		40Mbps down/3Mbps Up	CenturyLink
22940	Free Union	Albemarle	1.91	0.26		3 download and less than 1 upload	CenturyLink
							comcast
							Comcast - not available

22940 Free Union	Albemarle	0.00	0.00	4-Oct CenturyLink
22940 Free Union	Albemarle	7.70	0.71	Varies Upload tonight .77 mbs, Download tonight 8.2 MB/s CenturyLink

Zip	City	County	Download M	Upload Mbp	Subscription Speed	ISP	Denied by others?
24521	Amherst	Amherst	11.92	2.10	20mbps/5mbps	Fixed Wireless Internet	
24521	Amherst	Amherst	16.52	4.70	Download speed is 30mbps Upload is 3 mbps	Satellite Internet	No price was given to me because there is no other option for us here
24521	Amherst	Amherst	0.00	0.00		No Provider	
24521	Amherst	Amherst	0.00	0.00		No Provider	
24521	Amherst	Amherst	2.51	0.51		3 Verizon	
24521	Amherst	Amherst	0.00	0.00		No Provider	
24521	Amherst	Amherst	0.00	0.00		No Provider	
24521	Amherst	Amherst	0.00	0.00	~6Mb Down/4Mb Up	Mobile Hotspot	Verizon
24521	Amherst	Amherst	12.84	6.72		Other	
24521	Amherst	Amherst	0.00	0.00	10 gb	Other	
24574	Monroe	Amherst	0.00	0.00	Hughes Net satellite 2G and 5G	Satellite Internet	
24574	Monroe	Amherst	0.00	0.00		No Provider	Verizon
24574	Monroe	Amherst	0.00	0.00		No Provider	
24574	Monroe	Amherst	3.58	5.93		Satellite Internet	
24574	Monroe	Amherst	70.24	7.10	No internet available	Mobile Hotspot	Comcast, Verizon Xfinity - Not Available down our street Verizon - Not Available down our street
24572	Madison Heights	Amherst	39.25	0.24	25 Mbps download speeds, 3 Mbps upload speeds	Satellite Internet	
24574	Monroe	Amherst	2.24	0.72		Other	Comcast Dish Verizon
24574	Monroe	Amherst	17.46	3.32	30Mbps	Other	
24572	Madison Heights	Amherst	0.00	0.00	unsure but it comes via phoneline and is not reliable	Verizon	
24572	Madison Heights	Amherst	18.13	0.00	We pay Infinisky/Seiontec \$133 for *up to* 30Mbps upload / NO		Fixed Wireless Internet Yes, by both SCS Broadband and Infinisky/Seiontec
24572	Madison Heights	Amherst	28.68	2.98		Other	
24574	Monroe	Amherst	15.02	7.70	25 mbps download 2 upload	Other	
24574	Monroe	Amherst	2.55	0.09		No Provider	
24574	Monroe	Amherst	0.00	0.00	up to 30 mbps and I never actually get that	Other	Comcast Xfinity, Shentel, (my only option is SCS Broadband for my area)
24574	Monroe	Amherst	2.16	0.61	2Mbps down, 1Mbps up	Other	
24572	Madison Heights	Amherst	8.84	0.90	5 and 2	No Provider	Verizon less than 2 mbps
24572	Madison Heights	Amherst	0.00	0.00		No Provider	
24572	Madison Heights	Amherst	2.56	0.46		1 Verizon	Verizon, \$15,000 to setup the street for service; however, they refused to do it due to the limited number of folks on street; we, as a street, agreed to pay they're upfront costs too!
24572	Madison Heights	Amherst	21.90	12.89	30 MB down/ 20 up	Other	
24572	Madison Heights	Amherst	4.41	3.81	25mb	Satellite Internet	
24572	Madison Heights	Amherst	0.00	0.00		Verizon	Comcast
24572	Madison Heights	Amherst	6.17	2.16		Mobile Hotspot	
24574	Monroe	Amherst	20.79	3.29	25mbps	Other	
24574	Monroe	Amherst	18.97	3.41		10 Satellite Internet	
24574	Monroe	Amherst	1.56	0.44	DSL very poor	Verizon	Verizon
24521	Amherst	Amherst	0.00	0.00	Slow !!	Verizon	Na
24521	Amherst	Amherst	0.00	0.00		Mobile Hotspot	
24521	Amherst	Amherst	8.77	0.86	20 mbps	Other	
24521	Amherst	Amherst	2.69	0.47	3mbps down and 1mbps up	Verizon	Stewart cell service, no reception at our home
24521	Amherst	Amherst	8.58	5.25		Mobile Hotspot	Verizon Comcast
24521	Amherst	Amherst	20.09	2.84		Other	
24521	Amherst	Amherst	0.00	0.00	Not sure but I just did a speed test and the download was 11.	Satellite Internet	Yes - no provider other than satellite is available in our area.
24521	Amherst	Amherst	1.45	2.76	20mbps up ? down	Fixed Wireless Internet	
24521	Amherst	Amherst	2.73	0.47	3Mbps/.76Mbps	Verizon	No
24521	Amherst	Amherst	0.00	0.00	1 MBPS download and .5 mbps upload	Verizon	
24531	Chatham	Amherst	18.79	2.56		Verizon	



22727	Madison	Madison	0.00	0.00	On Satellite service with Hughes Net.	Satellite Internet	Comcast and the other
22727	Madison	Madison	13.53	4.46	unsure	Other	one I can't remember the name Comcast, has quoted us anywhere from \$15,000-\$20,000 to bring fiber to us (we are .25 mile from 29S plus whatever installation fees.
22738	Rochelle	Madison	30.20	1.12	Not sure, but speed test shows 7.1mb and upload 3.0mb	Mobile Hotspot	Verizon Comcast
22727	Madison	Madison	36.63	19.07	I don't know but we are overpaying. We get good speed but	Satellite Internet	Cell service is only option
22738	Rochelle	Madison	33.90	22.49		h. No Provider	Yes, Comcast
22738	Rochelle	Madison	0.87	2.61	not sure.	Mobile Hotspot	
22727	Madison	Madison	37.15	0.46	25 mbps upload ? upload	Satellite Internet	
22727	Madison	Madison	35.19	26.30	not specified	Other	Verizon, Comcast
22727	Madison	Madison	0.00	0.00	20/3	Mobile Hotspot	neither available at this
22723	Hood	Madison	0.00	0.00		Other	NA
22727	Madison	Madison	0.75	0.00		Satellite Internet	Comcast
22727	Madison	Madison	0.00	0.00	25 Mbps download speeds	Satellite Internet	None
22722	Haywood	Madison	8.95	1.52		Mobile Hotspot	None available
22727	Madison	Madison	0.00	0.00		Mobile Hotspot	
22722	Haywood	Madison	0.00	0.00	no clue	Mobile Hotspot	Verizon landline. VZW wireless home internet. T-Mobile Wireless Home internet. Comcast.
22722	Haywood	Madison	6.50	1.25		Mobile Hotspot	VABB
22735	Reva	Madison	0.00	0.00	don't know	Verizon	
22722	Wayln Haywood	Madison	0.00	0.00	thru our cellphone service that we have internet	Other	
22722	Haywood	Madison	26.82	2.33		Other	
22722	Haywood	Madison	88.20	2.78		No Provider	
22735	Reva	Madison	2.49	0.46		Other	
22715	Brightwood	Madison	1.53	0.60	No idea what it is supposed to be. Speed test results: 1.34mb	Verizon	Comcast
22735	Reva	Madison	41.76	3.34	25/3	Satellite Internet	
22735	Reva	Madison	6.13	1.33	5/1 mbps	Fixed Wireless Internet	
22735	Reva	Madison	46.50	32.24	Upload: 10-30 Mbps, 30-50 Mbps download	Other	
22735	Reva	Madison	0.00	0.00		No Provider	
22727	Madison	Madison	10.71	1.11	1 Mbps, .5 Mbsp	Other	T-Mobile Hotspot Verizon, AT&T, Comcast all unavailable at any cost upfront (or otherwise)
22735	Reva	Madison	0.00	0.00	3mbs upload/25mbs download	Satellite Internet	
22722	Haywood	Madison	2.98	0.00		Satellite Internet	
22722	Haywood	Madison	16.82	2.78		Other	
22735	Reva	Madison	2.63	0.16		No Provider	Xfinity, Verizon
22735	Reva	Madison	7.25	0.31	?	Other	Comcast
22722	Haywood	Madison	0.00	0.00	Mobile hotspot with only 2 bars	Mobile Hotspot	Virginia Broadband, century link Non-satellite providers are not available in my area.
22735	Reva	Madison	0.00	0.00		Satellite Internet	
22727	Madison	Madison	40.39	2.88		Other	
22727	Madison	Madison	35.73	1.65		Satellite Internet	
22727	Madison	Madison	0.00	0.00	Approx. 20 Mbps/5 Mbps	Fixed Wireless Internet	
22727	Madison	Madison	49.98	54.91	Unlimited	Other	
22727	Madison	Madison	3.72	3.11	I have no idea. It is a jet pack through Verizon Wireless.	Verizon	Century Link, all local broadband providers.
22973	Stanardsville	Madison	0.00	0.00		No Provider	
22973	Stanardsville	Madison	0.00	0.00		No Provider	
22973	Stanardsville	Madison	0.00	0.00		Satellite Internet	
22727	Madison	Madison	20.27	4.84		Other	Virginia Broadband
22727	Madison	Madison	0.00	0.00	Up to 25mbps download and up to 3 Mbps upload	Satellite Internet	
22748	Wolfstown	Madison	0.00	0.00	No internet service available	No Provider	Not available. Virginia Broadband - we have service, but I believe the upfront cost was greater than \$100.
22727	Madison	Madison	3.16	3.30	15 Mbps / 7 Mbps	Fixed Wireless Internet	
22727	Madison	Madison	28.72	0.00	Slow	Satellite Internet	
22727	Madison	Madison	4.57	0.70	upload 5 mbps Download 4 mpbs	Verizon	Comcast
22727	Madison	Madison	1.74	0.50	unknown	Verizon	
22727	Madison	Madison	12.11	11.90		Mobile Hotspot	
22727	Madison	Madison	11.08	1.26		No Provider	ViaSat
22727	Madison	Madison	11.05	9.06		No Provider	
22727	Madison	Madison	0.00	0.00		No Provider	
22827	Graves Mill	Madison	6.37	0.72		Satellite Internet	
22727	Madison	Madison	6.57	1.45	Varies, often goes out with weather events; currently 100 MI	Other	

22727	Madison	Madison	0.53	0.12		Mobile Hotspot	
22727	Madison	Madison	7.90	3.26		Mobile Hotspot	
22727	Madison	Madison	9.25	3.98	Up to 12/3 Mbps	Other	
22727	Madison	Madison	0.00	0.00		Fixed Wireless Internet	Virginia broad band
22727	Madison	Madison	25.62	5.85	25 Mbps up 5 Mbps down	Fixed Wireless Internet	
22727	Madison	Madison	19.35	4.79		Satellite Internet	
22727	Madison	Madison	9.13	4.13		Other	
22727	Madison	Madison	5.74	2.83	6.7 Mbps download and 3.1 Mbps upload	Other	
22727	Madison	Madison	7.34	1.08	download 7.76, upload 1.20	Other	MEEES, LLC
22727	Madison	Madison	2.60	0.64	Download averages 4 mbps. Upload averages 0.3 mbps.	Other	ATT
22723	Hood	Madison	15.17	12.02	Download 5.7, Upload 9.8 as measured	Mobile Hotspot	Verizon
22727	Madison	Madison	0.00	0.00		No Provider	Comcast & Verizon
22727	Madison	Madison	112.64	5.68	150/18	Mobile Hotspot	
22727	Madison	Madison	6.23	1.12		Verizon	
							Verizon, local startup company
22727	Madison	Madison	0.00	0.00		Satellite Internet	
22727	Madison	Madison	1.05	0.93	3-4 G	Other	NA
22727	Madison	Madison	0.00	0.00		30 Satellite Internet	
22727	Madison	Madison	0.00	0.00		17 Satellite Internet	
22727	Madison	Madison	0.00	0.00		Mobile Hotspot	
							Virginia Broadband,
22727	Madison	Madison	4.93	1.87	25/3	Satellite Internet	Verizon
22727	Madison	Madison	2.32	3.97		Other	Verizon, Va Broadband
							Verizon Virginia Broad
22727	Madison	Madison	4.55	2.37	2Mbps up/ 15Mbps down	Satellite Internet	Band (fixed wireless)



## An Xfinity account already exists at this address

**351 NEW LIFE DR, 22968** [Change](#)

### Is this account yours?

Yes, this is my account. I want to update my plan.

[Sign in](#)

No, I am moving here as an existing customer.

[Transfer Account](#)

No, I am moving here as a new customer.

[View Deals](#)

#### I WANT TO

[View & Pay Bill](#)

[Refer-a-Friend](#)

[Monitor Home Security](#)

[Find an Xfinity Store](#)

[Check Email & Voicemail](#)

[Get Apps](#)

[Upgrade My Service](#)

[Move My Services](#)

[Manage My Account](#)

[Manage Parental Controls](#)

[Find My Xfinity ID](#)

[Run Internet Speed Test](#)

[Check TV Listings](#)

[Manage Users & Alerts](#)

[Get Help & Support](#)

[Watch TV Online](#)

[Reset My Password](#)

[Program My Remote](#)

[Contact Customer Support](#)

[Find My Account Number](#)

[Submit Feedback](#)

#### SHOP

[Bundles & Promotions](#)

[Customer Guarantee](#)

#### ABOUT COMCAST

[About Comcast](#)

[Advertise with Us](#)

TV	Compare the Competition	Careers	Social Responsibility
Internet	Service in my Area	Press Room	Privacy Center
Voice	Student Offers	Corporate Site	Visitor Agreement
Home	Teacher Offers	Customer Agreements & Policies	Discover Xfinity
Xfinity Mobile	Military Offers	Xfinity Internet Broadband	Sitemap
Prepaid Internet	Comcast Business	Disclosures	

[Ad Choices](#)

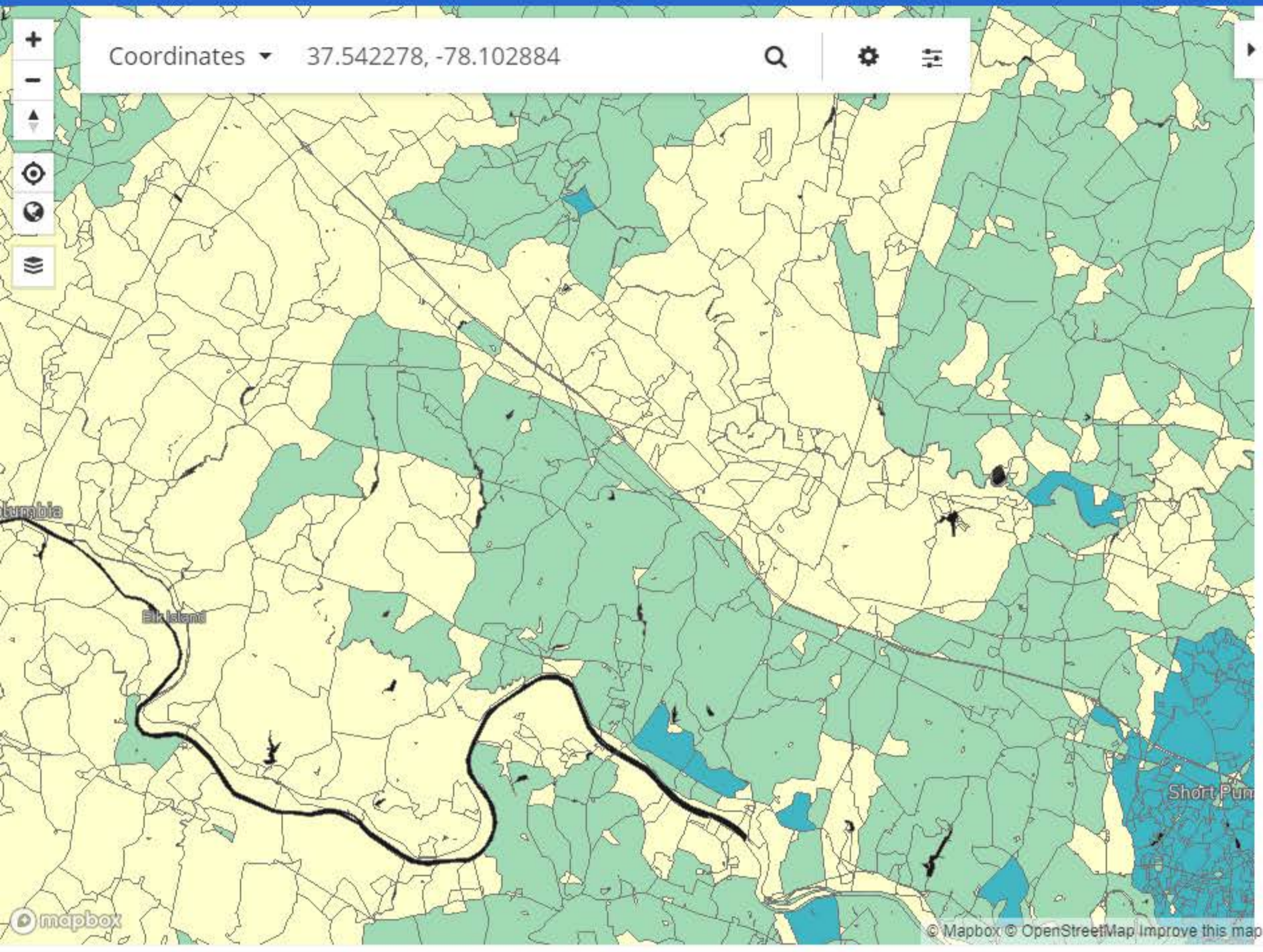
[Web Terms of Service](#)

[Privacy Policy](#)

[Do Not Sell My Personal Information](#)







All Providers Reporting Service

Census block ID: 511455004002033

Number of Fixed Residential Broadband Providers



Broadband

Technology ADSL, Cable, Fiber, Fixed Wireless  
 Speed ≥ 25/3 Mbps  
 Date June 2020 (latest public release)

Provider	Tech	Down (Mbps)	Up (Mbps)
ViaSat, Inc.	Satellite	35	3
Hughes Network Systems, LLC	Satellite	25	3
Verizon Communications Inc.	ADSL	15	1
VSAT Systems, LLC	Satellite	2	1.3

Federal Communications Commission  
 45 L Street NE  
 Washington, DC 20554

Phone: 1-888-225-5322  
 ASL Video Call: 1-844-432-2275  
 ASL Video Call: Web  
 Fax: 1-866-418-0232  
 Contact Us



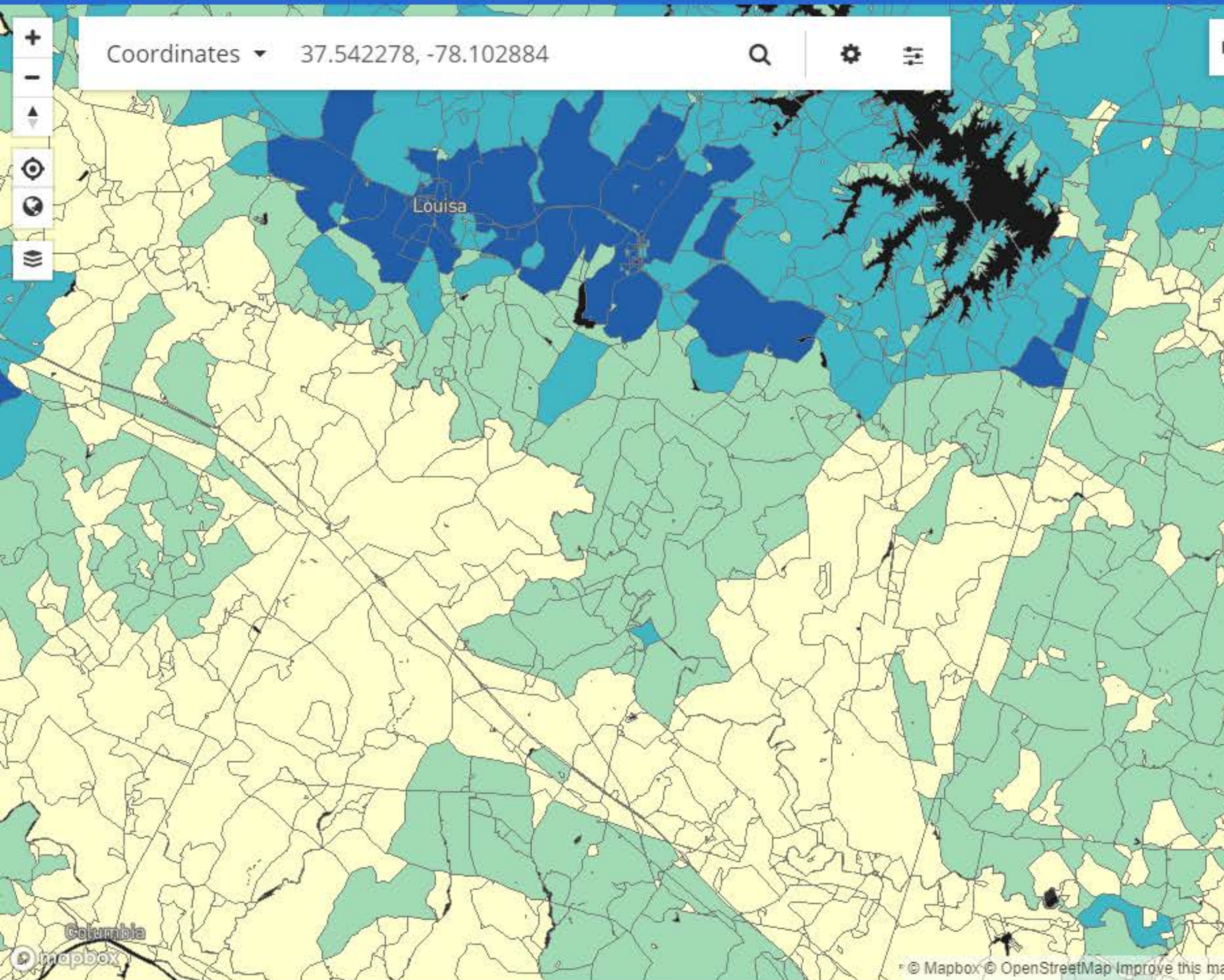
Website Policies & Notices  
 Privacy Policy  
 FOIA  
 No Fear Act Data  
 FCC Digital Strategy  
 Open Government Directive  
 Plain Writing Act  
 RSS Feeds & Email Updates  
 Disability Rights

CATEGORIES  
 About the FCC  
 Proceedings & Actions  
 Licensing & Databases  
 Reports & Research  
 News & Events  
 For Consumers

BUREAUS & OFFICES  
 Consumer  
 Enforcement  
 Inspector General  
 International  
 Media  
 Public Safety  
 Wireless  
 Wireline  
 Offices



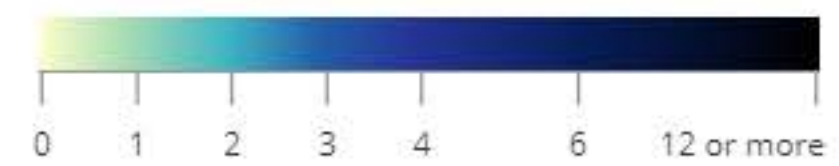




All Providers Reporting Service

Census block ID: 511455004002033

Number of Fixed Residential Broadband Providers



Broadband

Technology ADSL, Cable, Fiber, Fixed Wireless  
 Speed ≥ 25/3 Mbps  
 Date June 2020 (latest public release)

Provider	Tech	Down (Mbps)	Up (Mbps)
ViaSat, Inc.	Satellite	35	3
Hughes Network Systems, LLC	Satellite	25	3
Verizon Communications Inc.	ADSL	15	1
VSAT Systems, LLC	Satellite	2	1.3

Federal Communications Commission  
 45 L Street NE  
 Washington, DC 20554

Phone: 1-888-225-5322  
 ASL Video Call: 1-844-432-2275  
 ASL Video Call: Web  
 Fax: 1-866-418-0232  
 Contact Us



Website Policies & Notices

- Privacy Policy
- FOIA
- No Fear Act Data
- FCC Digital Strategy
- Open Government Directive
- Plain Writing Act
- RSS Feeds & Email Updates
- Disability Rights

CATEGORIES

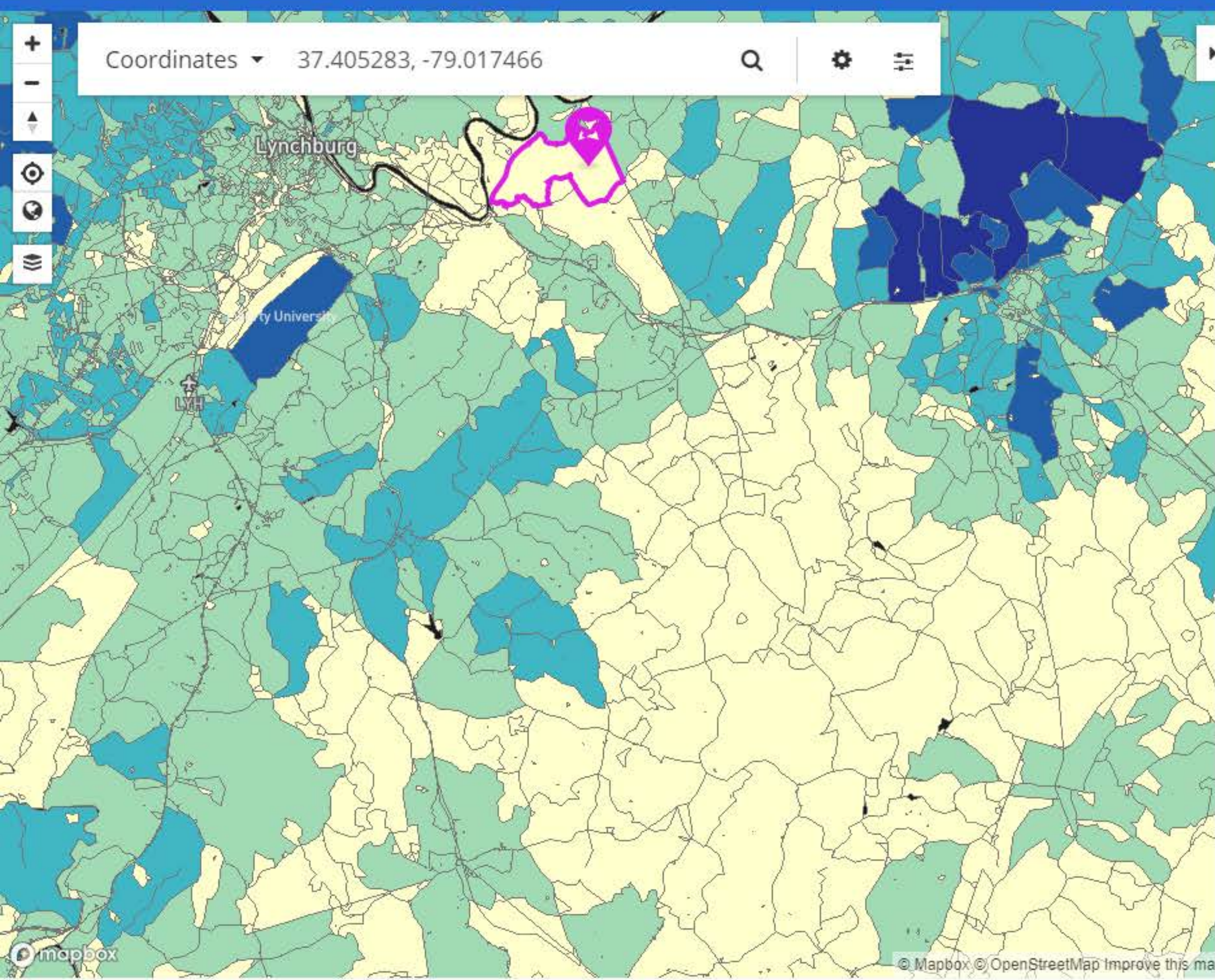
- About the FCC
- Proceedings & Actions
- Licensing & Databases
- Reports & Research
- News & Events
- For Consumers

BUREAUS & OFFICES

- Consumer
- Enforcement
- Inspector General
- International
- Media
- Public Safety
- Wireless
- Wireline
- Offices



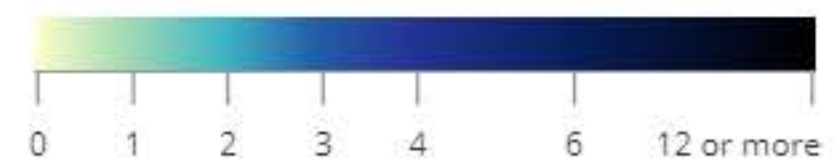




### All Providers Reporting Service

Census block ID: 510310201013006

#### Number of Fixed Residential Broadband Providers



#### Broadband

**Technology** ADSL, Cable, Fiber, Fixed Wireless  
**Speed** ≥ 25/3 Mbps  
**Date** June 2020 (latest public release)

Provider	Tech	Down (Mbps)	Up (Mbps)
ViaSat, Inc.	Satellite	35	3
Hughes Network Systems, LLC	Satellite	25	3
Verizon Communications Inc.	ADSL	5	0.768
VSAT Systems, LLC	Satellite	2	1.3
Telephone and Data Systems, Inc.	Fixed Wireless	2	0.064

Federal Communications Commission  
 45 L Street NE  
 Washington, DC 20554

Phone: 1-888-225-5322  
 ASL Video Call: 1-844-432-2275  
 ASL Video Call: Web  
 Fax: 1-866-418-0232  
 Contact Us



#### Website Policies & Notices

- Privacy Policy
- FOIA
- No Fear Act Data
- FCC Digital Strategy
- Open Government Directive
- Plain Writing Act
- RSS Feeds & Email Updates
- Disability Rights

#### CATEGORIES

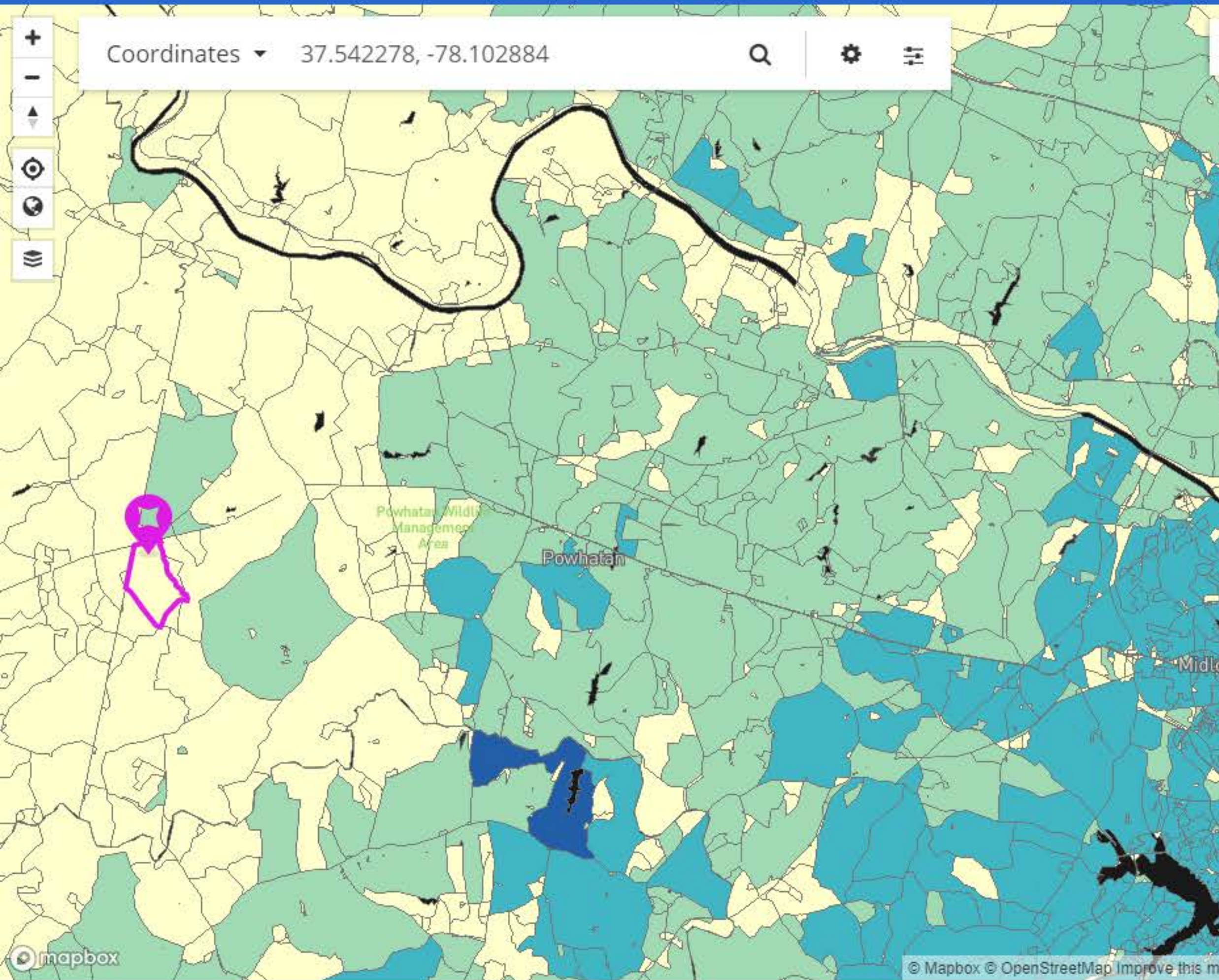
- About the FCC
- Proceedings & Actions
- Licensing & Databases
- Reports & Research
- News & Events
- For Consumers

#### BUREAUS & OFFICES

- Consumer
- Enforcement
- Inspector General
- International
- Media
- Public Safety
- Wireless
- Wireline
- Offices



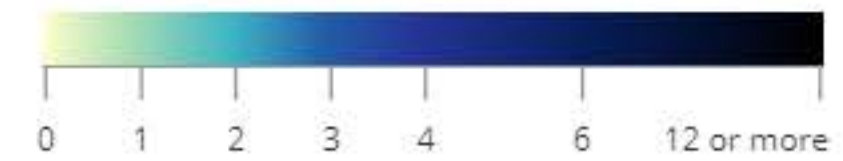




All Providers Reporting Service

Census block ID: 511455004002033

Number of Fixed Residential Broadband Providers



Broadband

Technology ADSL, Cable, Fiber, Fixed Wireless  
 Speed ≥ 25/3 Mbps  
 Date June 2020 (latest public release)

Provider	Tech	Down (Mbps)	Up (Mbps)
ViaSat, Inc.	Satellite	35	3
Hughes Network Systems, LLC	Satellite	25	3
Verizon Communications Inc.	ADSL	15	1
VSAT Systems, LLC	Satellite	2	1.3

Federal Communications Commission  
 45 L Street NE  
 Washington, DC 20554

Phone: 1-888-225-5322  
 ASL Video Call: 1-844-432-2275  
 ASL Video Call: Web  
 Fax: 1-866-418-0232  
 Contact Us



Website Policies & Notices

- Privacy Policy
- FOIA
- No Fear Act Data
- FCC Digital Strategy
- Open Government Directive
- Plain Writing Act
- RSS Feeds & Email Updates
- Disability Rights

CATEGORIES

- About the FCC
- Proceedings & Actions
- Licensing & Databases
- Reports & Research
- News & Events
- For Consumers

BUREAUS & OFFICES

- Consumer
- Enforcement
- Inspector General
- International
- Media
- Public Safety
- Wireless
- Wireline
- Offices





## Hello! Let's see what's next for you.



At this time, CenturyLink is unable to provide internet service at your address. Please contact HughesNet, at [844-411-9841](tel:844-411-9841). They are America's #1 choice for high-speed satellite Internet. HughesNet is a high-speed Internet service via satellite that's available for locations all over the country, including those in rural areas - and with fast download speeds of 25 Mbps (actual speeds may vary and are not guaranteed).

[Try Another Address](#)

To shop for other products, please call [877-645-1364](tel:877-645-1364)





Unfortunately, Xfinity service is not available at this address.

We are unable to locate deals for **263 Riverview Rd, 24572**. To find a local provider, please contact SmartMove for assistance.

[Try a different address, including apartment number](#)



Please call toll-free: [1-855-718-0392](tel:1-855-718-0392)  
to get connected to the best TV, internet and phone services.

powered by smartmove

I WANT TO

- View & Pay Bill
- Check Email & Voicemail
- Manage My Account
- Check TV Listings
- Watch TV Online
- Contact Customer Support
- Refer-a-Friend
- Get Apps
- Manage Parental Controls
- Manage Users & Alerts
- Reset My Password
- Find My Account Number
- Monitor Home Security
- Upgrade My Service
- Find My Xfinity ID
- Get Help & Support
- Program My Remote
- Submit Feedback
- Find an Xfinity Store
- Move My Services
- Run Internet Speed Test

SHOP

- Bundles & Promotions
- TV
- Internet
- Prepaid Internet
- Voice
- Home
- Xfinity Mobile
- Student Offers

ABOUT COMCAST

- About Comcast
- Advertise with Us
- Careers
- Customer Agreements & Policies
- Press Room
- Corporate Site
- Privacy Center

[Customer Guarantee](#)

[Teacher Offers](#)

[Xfinity Internet Broadband](#)

[Visitor Agreement](#)

[Compare the Competition](#)

[Military Offers](#)

[Disclosures](#)

[Discover Xfinity](#)

[Service in my Area](#)

[Comcast Business](#)

[Social Responsibility](#)

[Sitemap](#)

[Ad Choices](#)

[Web Terms of Service](#)

[Privacy Policy](#)

[Do Not Sell My Personal Information](#)



[SHOP](#)[MY ACCOUNT](#)[SUPPORT](#)[MY XFINITY](#)[COMCAST BUSINESS](#)[FIND A STORE](#)[SIGN IN](#)

Unfortunately, Xfinity service is not available at this address.

We are unable to locate deals for **1427 S COOLWELL RD, 24572**. To find a local provider, please contact SmartMove for assistance.

[Try a different address, including apartment number](#)

**xfinity**

Please call toll-free: [1-855-718-0392](tel:1-855-718-0392)  
to get connected to the best TV, internet and phone services.

powered by **smartmove**

#### I WANT TO

[View & Pay Bill](#)[Refer-a-Friend](#)[Monitor Home Security](#)[Find an Xfinity Store](#)[Check Email & Voicemail](#)[Get Apps](#)[Upgrade My Service](#)[Move My Services](#)[Manage My Account](#)[Manage Parental Controls](#)[Find My Xfinity ID](#)[Run Internet Speed Test](#)[Check TV Listings](#)[Manage Users & Alerts](#)[Get Help & Support](#)[Watch TV Online](#)[Reset My Password](#)[Program My Remote](#)[Contact Customer Support](#)[Find My Account Number](#)[Submit Feedback](#)

#### SHOP

[Bundles & Promotions](#)[Home](#)

#### ABOUT COMCAST

[About Comcast](#)[Corporate Site](#)[TV](#)[Xfinity Mobile](#)[Advertise with Us](#)[Customer Agreements & Policies](#)[Internet](#)[Prepaid Internet](#)[Careers](#)[Xfinity Internet Broadband Disclosures](#)[Voice](#)[Customer Guarantee](#)[Press Room](#)



[Compare the Competition](#)

[Teacher Offers](#)

[Social Responsibility](#)

[Discover Xfinity](#)

[Service in my Area](#)

[Military Offers](#)

[Privacy Center](#)

[Sitemap](#)

[Student Offers](#)

[Comcast Business](#)

[Visitor Agreement](#)

[Ad Choices](#)

[Web Terms of Service](#)

[Privacy Policy](#)

[Do Not Sell My Personal Information](#)



---

© 2021 COMCAST



Unfortunately, Xfinity service is not available at this address.

We are unable to locate deals for **617 WAUGHS FERRY RD, 24521**. To find a local provider, please contact SmartMove for assistance.

[Try a different address, including apartment number](#)



Please call toll-free: [1-855-718-0392](tel:1-855-718-0392)  
to get connected to the best TV, internet and phone services.

powered by smartmove

I WANT TO

[View & Pay Bill](#)

[Refer-a-Friend](#)

[Monitor Home Security](#)

[Find an Xfinity Store](#)

[Check Email & Voicemail](#)

[Get Apps](#)

[Upgrade My Service](#)

[Move My Services](#)

[Manage My Account](#)

[Manage Parental Controls](#)

[Find My Xfinity ID](#)

[Run Internet Speed Test](#)

[Check TV Listings](#)

[Manage Users & Alerts](#)

[Get Help & Support](#)

[Watch TV Online](#)

[Reset My Password](#)

[Program My Remote](#)

[Contact Customer Support](#)

[Find My Account Number](#)

[Submit Feedback](#)

SHOP

[Bundles & Promotions](#)

[Voice](#)

ABOUT COMCAST

[About Comcast](#)

[Press Room](#)

[TV](#)

[Home](#)

[Advertise with Us](#)

[Corporate Site](#)

[Internet](#)

[Xfinity Mobile](#)

[Careers](#)

[Prepaid Internet](#)

[Student Offers](#)

[Customer Agreements & Policies](#)

[Privacy Center](#)

[Customer Guarantee](#)

[Teacher Offers](#)

[Xfinity Internet Broadband](#)

[visitor Agreement](#)

[Compare the Competition](#)

[Military Offers](#)

[Disclosures](#)

[Discover Xfinity](#)

[Service in my Area](#)

[Comcast Business](#)

[Social Responsibility](#)

[Sitemap](#)

[Ad Choices](#)

[Web Terms of Service](#)

[Privacy Policy](#)

[Do Not Sell My Personal Information](#)



# *New Kent • Charles City* CHRONICLE

News for New Kent County and Charles City County, Virginia | September 5, 2021

 Search

[Home](#) [Local News](#) [Sports](#) [Community](#) [Coming Events](#) [Church Events](#) [Obituaries](#) [Classifieds](#) [About Us](#)

## Advertise Your Ads here!

### Riverstreet Networks pledges progress to bring wireless internet to Charles City County

By Andre Jones | August 25, 2021 3:08 am

Even with the recent addition of internet provided by Comcast through a Virginia Telecommunications Initiative (VATI) grant, many citizens of Charles City County fall outside the 300-foot connection border for the service. And while many constituents remain frustrated about the issue, another method of connecting citizens to the world wide web reemerged at Charles City's Board of Supervisors' Tuesday night meeting.

Greg Coltrain and Stephen Morris of Riverstreet Networks provided a wireless update infrastructure to county leaders.

As early as 2014, SCS Broadband had set a goal to bring wireless internet to Charles City County. But complication after complication came and went, with a target date of Dec. 2015 coming and going without any real progress. As frustrations mounted, a redesign of the wireless network in Dec. 2018 of the entire project failed to yield any internet connections through the proposed services from SCS.

As SCS Broadband attempted to rectify the problem, in January 2020 the VATI grant was awarded to Charles City with a partnership with Comcast. While Comcast touted that 70 percent of homes could be connected, county officials have yet to receive a firm number of how many homes are currently connected, with Comcast only providing "passing" numbers, or homes that are capable for the internet hook-up.

Meanwhile, in Summer of 2020, SCS Broadband's struggles continued. Riverstreet Networks entered into the fray and purchased the company, inheriting the company's assets along with their problems.

With many gap pockets that lacked connection services in Charles City remaining, Riverstreet's presentation focused on filling the void of network services as quickly and efficiently as possible.

"Our goal is to serve the unserved," said Coltrain. "We acquired SCS in the middle of last year and we are doing things to provide options to fund projects to get internet here wirelessly in Charles City."

Coltrain talked about how Riverstreet obtained \$18 million through the VATI grant, reverse auction funding, state and federal dollars, and a contribution from the company itself to assist with proving 100 percent passing in nearby King & Queen County. For Morris, he spoke about his disappointment with SCS Broadband's work on the project.

"This project in Charles City County is behind," Morris commented. "When they [SCS Broadband] created this project, they did not have enough people to do this. We're here and serious about making this work."

Morris continued, talking about the company's successful bid of \$2.9 million for the purchase of four block (technology rights) to bring services to Charles City County. They also said that despite towers nearly ready for use in the county, personnel was needed to complete the project.

### Other News

[Local News](#)

[Sports](#)

[Community](#)

[Coming Events](#)

[Church Events](#)

[Obituaries](#)

[Photo Gallery](#)

[Archives](#)

[Classifieds](#)

[Advertise With Us](#)

[About Us/Contact Us Page](#)

[Frequently Asked Questions](#)

[Submissions and Coverage Request Policy](#)

### Links

[Charles City County Government](#)

[Charles City County Public Schools](#)

[New Kent County Government](#)

[New Kent County Public Schools](#)

[New Kent High School Sports](#)

[Heritage Public Library](#)

“We need to hire a project manager,” Morris added. “We have a professional architectural and engineering firm, as well as a professional grade radio frequency analysis team that will help us find out what type of coverage you will get.

“We also will have a tower climb crew to install provide this verification,” he concluded.

After the presentation, District 2 representative Bill Coada asked the representatives about the number of connections the towers currently have.

“Three,” Coltrain responded, pointing to the Roxbury Industrial Park tower being the only one currently active.

“It was worse than what I thought,” Coada responded, referencing information he received in previous meeting that only 10-15 homes had the service.

In other action taken by county leaders:

–Unanimously approved the Skipjack proposal to purchase 47 acres of land at a price of \$6,000 per acre. The land, located on Route 106 near Roxbury, was purchased with a goal of providing an area for economic development in the county.

–Voted 2-0-1 to move forward to conduct a retail strategy study at the cost of \$80,000. The money will be used to have a firm do an analysis of possible businesses to bring to Charles City, as well as have those representatives reach out to those companies as well. Coada abstained from the vote, commenting that while he applauds the project, the timing was wrong. The District 2 representative cited a 2015 study that was conducted, as well as saying the study not an item proposed in the current fiscal year’s budget.

© 2021 New Kent - Charles City Chronicle. All Rights Reserved. [Privacy Policy](#)



## 2022 Virginia Telecommunication Initiative (VATI) Passing Form

Type of Passings	Total Number of Passings in the Project Area <sup>1</sup>	Passings in the Project Area, without Special Construction Costs Required <sup>2</sup>	Passings with Special Construction Costs budgeted in the Application <sup>3</sup>	Number of Passings with Speeds at 10/1 or below in Project Area <sup>4</sup>
Residential	20,401	20,401	0	2,518
Businesses (non-home based)	2,737	2,737	0	339
Businesses (home-based)	34	34	0	6
Community Anchors	198	198	0	23
Non-residential	148	148	0	17
<b>Total</b>	<b>23,518</b>	<b>23,518</b>	<b>0</b>	<b>2,903</b>

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

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

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

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

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

<sup>4</sup>The number of structures in the project area that do not have access to internet at speeds of at least 10 mbps download and 1mbps upload.



## Definitions

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

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

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

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





## VATI Applicant and Co-Applicant Agreement

This agreement is made on \_\_\_\_\_, between the Thomas Jefferson Planning District Commission (TJPDC), 401 E. Water St. Charlottesville, VA 22902; and Firefly Fiber Broadband (FIREFLY), P.O. Box 359, Lovingston, VA 22949; and Rappahannock Electric Cooperative (REC).

### RECITALS:

A. Whereas, the Department of Housing and Community Development (DHCD) will be implementing the Virginia Telecommunications Initiative (VATI) grant program; and

B. Whereas, the primary objective of the VATI is to provide financial assistance to supplement construction costs by private sector broadband service providers, in partnership with units of government to extend service to areas that presently are unserved by any broadband provider; and

C. Whereas, applications must be submitted by a unit of government with a private sector provider as a co-applicant; and

D. Whereas, Albemarle, Amherst, Appomattox, Buckingham, Campbell, Cumberland, Fluvanna, Goochland, Greene, Louisa, Madison, Nelson and Powhatan Counties have requested that the TJPDC be the applicant on their behalf; and

E. Whereas, Albemarle, Amherst, Appomattox, Buckingham, Campbell, Cumberland, Fluvanna, Goochland, Greene, Louisa, Madison, Nelson and Powhatan Counties have designated FIREFLY as the co-applicant; and

F. Whereas, the TJPDC and FIREFLY will partner for a grant application for the VATI grant program to serve areas in Albemarle, Amherst, Appomattox, Buckingham, Campbell, Cumberland, Fluvanna, Goochland, Greene, Louisa, Madison, Nelson and Powhatan Counties.

NOW, therefore, the parties agree as follows:

On behalf of Albemarle, Amherst, Appomattox, Buckingham, Campbell, Cumberland, Fluvanna, Goochland, Greene, Louisa, Madison, Nelson and Powhatan Counties:

1. The TJPDC will act as fiscal agent for the project and maintain accurate records of the financial expenditures of the VATI monies, including, but not limited to financial reports, monthly funding draws, approval of Firefly expenditures and invoices, documentation of matching funds, etc.; and
2. The TJPDC will provide overall grant management of the VATI project and provide coordination and administration of the project by working as a liaison between the localities, FIREFLY and DHCD; and
3. The TJPDC will assist the counties and FIREFLY with educating the public about the project and services to be available in their respective areas.

FIREFLY and Rappahannock Electric Cooperative:

1. FIREFLY will provide the TJPDC with required information for the management of the VATI grant, including, but not limited to monthly progress reports and invoices; and
2. FIREFLY will provide the required documents to the counties for zoning and permit applications; and
3. FIREFLY will design, engineer, construct and implement broadband services as designated in the VATI application, in compliance with the grant program requirements; and
4. FIREFLY will guarantee that the minimum bandwidth offerings for the project will be no less than the Federal Communications Commission's definition of broadband as of the date of project commencement; and
5. FIREFLY and REC will own all assets to be funded by the VATI grant monies. This agreement will terminate when DHCD notifies the TJPDC that all grant requirements have been satisfied.

Witness the following authorized signatures on behalf of the parties:

By: \_\_\_\_\_

Date

By: \_\_\_\_\_

Executive Director, TJPDC

By: \_\_\_\_\_

Date

By: \_\_\_\_\_

CEO, FIREFLY

By: \_\_\_\_\_

Date

By: \_\_\_\_\_

CEO, REC

## VATI Applicant and Co-Applicant Agreement

This agreement is made on \_\_\_\_\_, between the Thomas Jefferson Planning District Commission (TJPDC), 401 E. Water St. Charlottesville, VA 22902, \_\_\_\_\_ County (COUNTY), a partner in the 2022 VATI project, and Firefly Fiber Broadband (FIREFLY), P.O. Box 359, Lovingson, VA 22949; and Rappahannock Electric Cooperative (REC).

### RECITALS:

A. Whereas, the Department of Housing and Community Development (DHCD) has awarded a Virginia Telecommunications Initiative (VATI) grant to TJPDC and the co-applicants FIREFLY and REC, and

B. Whereas, the grant provides state funds for a broadband expansion project to build a fiber-to-the-home network to unserved locations in the counties of Albemarle, Amherst, Appomattox, Buckingham, Campbell, Cumberland, Fluvanna, Goochland, Greene, Louisa, Madison, Nelson and Powhatan; and,

C. Whereas FIREFLY, REC, and Dominion Energy and its middle mile program are all included in the application as providing private matching funds through capital investment in new fiber optic facilities, and TJPDC will receive and review invoices and documentation of expenses on the project along with monthly reports and remittance requests; and

C. Whereas, the county of \_\_\_\_\_ made a commitment of \_\_\_\_\_ in matching funds to this project to help offset capital costs and facilitate a successful VATI application;

D. Whereas, TJPDC will now serve as administrator of the grant, receiving remittance requests for VATI and COUNTY matching funds; and

E. Whereas the TJPDC will serve as the clearing house for the funds transferred for the project and coordinate the grant fund disbursement as appropriate on a pro rata basis after proof of construction, then

On behalf \_\_\_\_\_ County:

1. The TJPDC will act as fiscal agent for the project and maintain accurate records of the financial expenditures of the VATI monies, including, but not limited to project progress reports, financial reports, monthly funding draws, approval of FIREFLY, REC and Dominion Energy expenditures and invoices, documentation of matching funds, etc.; and

2. The TJPDC will provide overall grant management of the VATI project and provide coordination and administration of the project by working as a liaison between the COUNTY, FIREFLY and DHCD; and

3. The TJPDC will assist the COUNTY and FIREFLY with educating the public about the project and services to be available in their respective areas; and

4. The TJPDC will provide to the COUNTY the monthly updates on project progress, including ongoing and planned work in the COUNTY; and

4. The TJPDC will invoice the COUNTY monthly for any approved draws on the COUNTY matching funds, which the COUNTY will pay upon request of TJPDC as the fiscal agent on the project; and



FIREFLY and Rappahannock Electric Cooperative:

1. FIREFLY will provide the TJPDC with required information for the management of the VATI grant, including, but not limited to monthly progress reports and invoices; and
2. FIREFLY will provide the required documents to the counties for zoning and permit applications; and
3. FIREFLY will design, engineer, construct and implement broadband services as designated in the VATI application, in compliance with the grant program requirements; and
4. FIREFLY will guarantee that the minimum bandwidth offerings for the project will be no less than the Federal Communications Commission's definition of broadband as of the date of project commencement; and
5. FIREFLY and REC will own all assets to be funded by the VATI grant monies. This agreement will terminate when DHCD notifies the TJPDC that all grant requirements have been satisfied.

Witness the following authorized signatures on behalf of the parties:

By: \_\_\_\_\_

Date

By: \_\_\_\_\_

Executive Director, TJPDC

By: \_\_\_\_\_

Date

By: \_\_\_\_\_

CEO, FIREFLY

By: \_\_\_\_\_

Date

By: \_\_\_\_\_

CEO, REC

By: \_\_\_\_\_

Date

By: \_\_\_\_\_

County of \_\_\_\_\_

## PHASE ONE MEMORANDUM OF UNDERSTANDING

This Phase One Memorandum of Understanding (this “Memorandum”) is made effective as of March 1, 2021 (the “Effective Date”), by and between Virginia Electric and Power Company d/b/a Dominion Energy Virginia, a Virginia public service corporation (“Dominion”), Central Virginia Services, Inc. d/b/a Firefly Fiber Broadband, a Virginia stock corporation (“Firefly”), Rappahannock Electric Cooperative, a Virginia electric cooperative corporation (“REC”), and each of the participating counties who subsequently join this Memorandum in the manner set forth herein (“Participating Counties”). Dominion, Firefly, and REC are, collectively, the “Organizing Parties”, and Dominion, Firefly, REC, and each Participating County are each a “Party” and collectively may be referred to as the “Parties”.

### RECITALS

- A. Pursuant to the Virginia Code § 56-585.1 :9, effective July 1, 2019 (the “Pilot Statute”) the Commonwealth of Virginia is seeking to expand broadband services into unserved areas of the Commonwealth. The Pilot Statute further permits electric utilities to pursue pilot programs with broadband providers and local counties and municipalities to facilitate such expansion.
- B. Dominion and Firefly have explored the feasibility of Dominion deploying middle mile service to facilitate Firefly in extending last-mile service to unserved populations throughout the communities Virginia and have identified several counties as viable candidates based on the legislative requirements for such a pilot program.
- C. REC desires to collaborate with Dominion and Firefly to leverage the proposed middle-mile and last-mile deployments by Dominion and Firefly, respectively, to improve the security, reliability and efficiency of REC’s electric system and to extend broadband availability to as many of REC’s unserved members as reasonably possible.
- D. The Organizing Parties believe their partnership as set forth herein (the “Initiative”) can dramatically expand broadband access to presently unserved areas throughout Virginia, and are inviting counties that could benefit from the Initiative to join this Memorandum and become Participating Counties.
- E. The Parties will pursue a relationship whereby: (i) pursuant to the Pilot Statute, Dominion would construct a fiber route that maximizes the number of unserved areas to be served by Firefly within each Participating County, (ii) Dominion will leverage the additional fiber installed along the route to connect devices that may not have had fiber connectivity under the original plan pursuant to the Grid Transformation and Security Act, (iii) REC will leverage the Initiative to improve the security, reliability and efficiency of REC’s electric system and to facilitate the extension of broadband availability to as many of REC’s unserved members as possible, (iv) Firefly will collaborate with and invest in each Participating County and use the additional Dominion fiber capacity and network elements contributed by REC to serve broadband end users in unserved locations in each Participating County, and (v) each Participating County will share relevant information with the Organizing Parties and collaborate with the Organizing Parties to advance the Initiative. The efforts of the Parties herein in each such Participating County shall be referred to as a “Project”, and collectively the “Projects”).
- F. It is the intention of the Parties that the Initiative will result in the deployment of a fiber-to-the-premises last-mile broadband network to offer service to all locations within each Participating County that are unserved as of the date hereof. The Parties acknowledge and

agree that the specific details and characteristics of each Project will be analyzed and refined as the Initiative proceeds.

G. The Organizing Parties have divided the Initiative into three phases.

NOW, THEREFORE, the Parties hereby agree as follows:

## **1. PROCEDURE TO BECOME A PARTICIPATING COUNTY**

Any county that is invited to join the Initiative by the Organizing Parties shall have until April 1, 2021 to return a counterpart signature page to this Memorandum to the Organizing Parties; provided the Organizing Parties may extend this deadline for good cause if such extension will not materially delay the Initiative. Upon acceptance of the counterpart signature page by the Organizing Parties, such county shall become a Participating County.

## **2. INFORMATION SHARING AND COORDINATION**

- a) Each Participating County and each Organizing Party agrees to share with the Organizing Parties such information as it has in its possession related to broadband deployment and availability that may be useful to the Organizing Parties in conducting their analysis or otherwise facilitate the Initiative.
- b) Firefly will serve as the central conduit for all information sharing activities and will be responsible for overall coordination of the Initiative.
- c) The Parties will coordinate any communication releases to the public, and all announcements are subject to the prior written consent of Dominion and prior written or verbal consent of all parties.
- d) Notwithstanding anything to the contrary hereunder, in no event does this sharing of information agreement require any Party to disclose confidential or proprietary information not otherwise authorized for release to any Party or Parties.

## **3. PHASE ONE TIMEFRAME AND ACTIVITIES**

- a) The Parties anticipate that Phase I of the Initiative will continue until approximately June 30, 2021.
- b) During Phase I:
  - a. The Organizing Parties will conduct community and stakeholder engagement activities in each Participating County.
  - b. The Organizing Parties will collaborate to develop preliminary plans and design criteria that: (i) are consistent with the Pilot Statute, (ii) support REC's desire to leverage the Initiative to improve the security, reliability and efficiency of REC's electric system, and (iii) facilitate the extension of broadband availability to as many presently unserved locations as reasonably possible.
  - c. Firefly will perform a last-mile feasibility study ("Initial Feasibility Study") for the Project within each Participating County.
  - d. Firefly will prepare a preliminary financial analysis for the Project within each Participating County.
  - e. The Participating Counties, and each Organizing Party, as applicable, will agree to support an application for one or more grant programs ("Phase I Grants") to partially offset the cost of the Initial Feasibility Study and financial analysis. Firefly will coordinate and oversee the development and submission of applications for Phase I Grants. The Parties anticipate that the Phase I Grants will not require any local matching funding.
- c) At the Conclusion of Phase I:
  - a. Firefly, in coordination with the other Organizing Parties, will present the results of the Initial Feasibility Study and financial analysis to each Participating County.
  - b. Firefly will identify the cost of Proceeding to Phase II for each Participating County and

identify grants and other sources of potential funding to reduce or eliminate each Participating County's out-of-pocket costs to proceed.

- c. Each Participating County will decide whether or not to continue to Phase II. Counties that elect to withdraw from the Initiative at the conclusion of Phase I will have no further obligations under this Memorandum.

#### 4. PHASE TWO TIMEFRAME AND ACTIVITIES

- a) The Parties anticipate that Phase II of the Initiative will commence upon the conclusion of Phase I and continue until approximately December 31, 2021.
- b) During Phase II:
  - i. Dominion will prepare a petition (the "Petition") under the Pilot Statute to the Virginia State Corporation Commission (the "Commission") seeking approval of the Projects that are then included in the Initiative. Firefly will serve as the nongovernmental internet service provider pursuant to the Pilot Statute. Firefly and each of the other Parties will provide such information and assistance to Dominion as it may reasonably request to advance the Initiative and will commit to continuing to be involved in the Petition until and after approval of the Petition is received. The Parties agree that implementation of each Project shall be contingent upon Commission approval of such Project on terms and conditions approved by Dominion that are not materially adverse to Dominion.
  - ii. Firefly will complete preliminary last-mile designs for each Project based upon the Dominion middle-mile infrastructure and such network elements as REC elects to contribute to the Initiative. Such last-mile designs will be tailored to maximize each Project's eligibility for all available state and federal grant, loan, loan guarantee, and other support mechanisms (collectively, "Public Support Mechanisms").
  - iii. Firefly will prepare detailed financial plans for each Project. Each financial plan will address initial capital investment needs, ongoing operational expenses and provide more than one indicative approach for funding each Project through a combination of private capital, Public Support Mechanisms and contributions from Participating Counties.
  - iv. The Participating Counties, and each Organizing Party, as applicable, will agree to support an application for one or more grant programs ("Phase II Grants") to partially offset the cost of the activities to be conducted during Phase II. Firefly will coordinate and oversee the development and submission of applications for Phase II Grants.
  - v. Firefly will coordinate and oversee the development and submission of applications for all available Public Support Mechanisms to fund each Project within the Initiative.
- c) At the Conclusion of Phase II:
  - i. Firefly will present the anticipated outcome of its last-mile designs to each Participating County.
  - ii. Each Participating County will decide whether or not to continue to Phase III. Counties that elect to proceed to Phase III will enter into negotiations with Firefly for one or more binding mutual definitive agreements ("Definitive Agreements"), setting forth their respective commitments and obligations and such particulars as the parties thereto may deem appropriate. Counties that elect to withdraw from the Initiative at the conclusion of Phase II will have no further obligations under this Memorandum.

#### 5. EXPENSES

The Parties understand that various costs will be incurred in relation to activities contemplated herein. The Parties understand that regardless of which Party incurs such costs, none of the Parties herein shall be responsible for reimbursement of expenses to any of the others, unless such reimbursement is to be funded by a Phase I Grant or Phase II Grant, or otherwise agreed to in the Definitive Agreements.



**6. GOOD FAITH COMMITMENT TO INITIATIVE**

- a) Each Participating County agrees that, for so long as it is a Party to this Memorandum, it shall not participate in any activity or course of conduct that is inconsistent with or competitive to the Initiative, and that it will devote its broadband-related attention and resources to the Initiative.
- b) The Parties understand and agree that, except as provided in the next sentence, this Memorandum (i) constitutes only a statement of intentions, (ii) does not reflect all matters upon which Definitive Agreements must be reached in order for the transactions contemplated hereby to be consummated, (iii) binding obligations with respect to a Project will only result from the execution of one or more Definitive Agreements and subject to the terms and conditions stated therein, and (iv) does not obligate the Parties to enter into any Definitive Agreement relating to any Project. This Memorandum is not intended to be binding, other than Paragraphs 4(b)(i), 5 and 6.

**7. TERMINATION**

Any Party may terminate its participation in this Memorandum at any time, with or without cause, upon written notice to the other Parties with at least ten (10) days prior notice. In addition, this Memorandum shall terminate and be of no further force and effect if the Commission rejects the petition.

**8. LIMITATION OF LIABILITY**

No Party shall be liable to the others in contract, tort, or otherwise, for any claims, liabilities or losses arising out of this Memorandum or alleged to result from the failure of the other Party to enter into any Definitive Agreements. The Parties hereby waive, in advance, any claims (whether such claims are based on breach of contract, tort, equity or any other theory) for the failure for any reason to enter into the Definitive Agreements. In no event shall any Party be liable to the other for any incidental, indirect, special, punitive or consequential damages (including without limitation damages for lost profits).

**9. GENERAL**

a. Governing Law.

This Memorandum shall be governed in all respects by the laws of the Commonwealth of Virginia.

b. Amendments.

No modification, amendment or waiver of any of the provisions of this Memorandum will be binding without the written consent of the Parties hereto.

c. Binding Effect; Assignment.

This Memorandum will inure to the benefit of and be binding upon each of the Parties hereto and their respective successors and permitted assigns to the extent provided in Section 6, but in no respect shall give rise to any third party beneficiary rights or claims. No Party may assign any of its rights, interests, or obligations hereunder without the prior written consent of the other Parties, except that any of the Organizing Parties may assign

this Memorandum to an affiliated entity upon written notice to the other Parties.

d. Counterparts.

This Memorandum may be executed in counterparts, all of which for all purposes shall be deemed to be an original and all of which shall, taken together, constitute one and the same instrument.

e. Relationship of Parties.

Nothing in this Memorandum shall be deemed to constitute, create, give effect to, or otherwise recognize a joint venture, partnership, or formal business entity of any kind.

f. Notices.

All notices, requests and other communications hereunder shall be in writing and delivered by hand, by nationally-recognized delivery service that guarantees overnight delivery, or by first-class registered or certified mail, return receipt requested, postage prepaid, addressed as follows:

If to Dominion:

Dominion Energy Virginia  
600 Canal Street  
Richmond, Virginia 23219  
Attention: Director, Electric Distribution Grid Solutions

with a copy to:

Dominion Energy Services, Inc.  
120 Tredegar Street  
Richmond, Virginia 23219  
Attention: Deputy General Counsel – State Regulatory  
Fax: (804) 819-2677

If to Firefly:

[Firefly for notice by US Mail:  
Firefly Fiber Broadband  
Attention: President and CEO  
P O Box 359  
Lovington, VA 22949

For Firefly for notice by overnight delivery:

Firefly Fiber Broadband  
Attn: President and CEO  
800 Cooperative Way  
Arrington, VA 22922

If to REC:

Rappahannock Electric Cooperative  
P.O. Box 7388  
Fredericksburg, Virginia 22404-7388  
Attention: Director of Broadband and Fiber Services

If to a Participating County, to the address set forth on such Participating County's counterpart signature page to this Memorandum.

Any Party may change its address at any time upon notice to the other Parties.

IN WITNESS WHEREOF, the Parties have executed this Memorandum as of the Effective Date.

VIRGINIA ELECTRIC AND POWER COMPANY  
D/B/A DOMINION ENERGY VIRGINIA

   
augustus Johnson (Mar 2, 2021 06:58 EST)

---

Name: Augustus Johnson  
Title: Director – Electric Distribution Grid Solutions

CENTRAL VIRGINIA SERVICES, INC.  
D/B/A FIREFLY FIBER BROADBAND

  
Gary E Wood (Mar 1, 2021 07:45 EST)

---

Name: Gary Wood  
Title: President and CEO

RAPPAHANNOCK ELECTRIC COOPERATIVE



---

Name: Peter Muhoro, Ph.D.  
Title: Vice President, Strategy and Technology

[SIGNATURE PAGE TO PHASE ONE MEMORANDUM OF UNDERSTANDING]



IN WITNESS WHEREOF, the County named below has executed this Memorandum as of the Effective Date.

ALBEMARLE BROADBAND AUTHORITY

  
Bucky Walsh  
Bucky Walsh (Apr 30, 2021 17:06 EDT)

---

Name: William M. (Bucky) Walsh  
Title: Chairman, Chair, Albemarle County Broadband Authority

Address for Notice Information:  
William M. (Bucky) Walsh III  
[bwalsh@albemarle.org](mailto:bwalsh@albemarle.org)  
c/o Michael Culp, Chief Administrative Officer  
401 McIntire Road  
Charlottesville, VA 22902

APPOMATTOX COUNTY

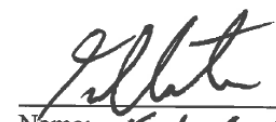
  
Susan Adams  
Susan Adams (Apr 23, 2021 14:45 EDT)

---

Name: Susan Adams  
Title: County Administrator

Address for Notice Information:  
Susan Adams  
[susan.adams@appomattoxcountyva.gov](mailto:susan.adams@appomattoxcountyva.gov)  
County Administrator- Appomattox County  
153-A Morton Lane  
P.O. Box 863  
Appomattox, VA 24522

BUCKINGHAM COUNTY

  
Karl Carter  
Name: Karl Carter  
Title: Ass't County Administrator

Address for Notice Information:  
Buckingham County Administrator's Office  
13380 West James Anderson Hwy  
Buckingham, Va 23921

CUMBERLAND COUNTY

  
Don Unmussig  
DOn Unmussig (Apr 14, 2021 07:46 EDT)

---

Name: Don Unmussig  
Title: County Administrator

Address for Notice Information:  
Don Unmussig  
County Administrator- Cumberland  
[DUnmussig@cumberlandcounty.virginia.gov](mailto:DUnmussig@cumberlandcounty.virginia.gov)  
1 Courthouse Circle Cumberland, Virginia 23040

FLUVANNA COUNTY

Eric Dahl

Eric Dahl (Apr 16, 2021 09:42 EDT)

---

Name: Eric Dahl  
Title: County Administrator

Address for Notice Information:  
Eric Dahl  
County Administrator- Fluvanna  
[edahl@fluvannacounty.org](mailto:edahl@fluvannacounty.org)  
132 Main St. Palmyra, VA 22963

GOOCHLAND COUNTY

Kenneth A. Young, April 9, 2021

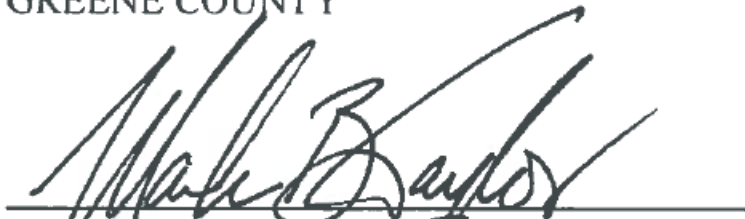
Kenneth A. Young, April 9, 2021 (Apr 23, 2021 15:26 EDT)

---

Name: Kenneth A. Young  
Title: County Administrator

Address for Notice Information:  
Kenneth A. Young  
County Administrator  
1800 Sandy Hook Road  
Goochland, VA 23063  
[kayoung@goochlandva.us](mailto:kayoung@goochlandva.us)

GREENE COUNTY



---

Name: MARK B. TAYLOR  
Title: COUNTY ADMINISTRATOR

Address for Notice Information:  
Green County Administrator's Office  
P. O. Box 358  
Stanardsville, VA 22973

LOUISA COUNTY

*Christian R. Goodwin*

Christian R. Goodwin (Mar 2, 2021 07:21 EST)

---

Name: Christian R. Goodwin, ICMA-CM  
Title: County Administrator

Address for Notice Information:  
County of Louisa  
1 Woolfolk Avenue  
Louisa, Virginia 23093

POWHATAN COUNTY

*Ned Smither*

---

Name: Ned Smither  
Title: County Administrator

Address for Notice Information:  
Ned Smither  
County Administrator  
3834 Old Buckingham Road  
Powhatan, VA 23139  
[NSmither@powhatanva.gov](mailto:NSmither@powhatanva.gov)

[SIGNATURE PAGES TO PHASE ONE MEMORANDUM OF UNDERSTANDING]



## LOUISA COUNTY ADDENDUM

1. The project will assure gigabit speed service is available to every location in Louisa County.
2. Louisa County, Firefly and REC will begin a pilot project in two substation areas in 2021 while the final study for the remainder of the county is being completed.

## GOOCHLAND COUNTY ADDENDUM TO

### PHASE ONE MEMORANDUM OF UNDERSTANDING

1. The project will assure fiber optic connected gigabit speed service is available to every unserved location in Goochland County.
2. The return deadline for Goochland County's counterpart signature page is extended to April 9, 2021.
3. Goochland County's participation in and continued efforts and activities associated with its pre-existing partnership with Port 80 related to the 2021 Virginia Telecommunication Initiative (VATI) Grant from the Commonwealth of Virginia Department of Housing and Community Development are not inconsistent with or competitive to the Initiative, and do not in any way violate the MOU.

## ALBEMARLE BROADBAND AUTHORITY ADDENDUM TO PHASE ONE MEMORANDUM OF UNDERSTANDING

1. Effective Date. The Memorandum is effective as to the Albemarle Broadband Authority ("ABBA") and the Organizing Parties as of the date the ABBA Chair signs the Memorandum.
2. Participating Counties. The term "Participating Counties" includes ABBA, a public body politic and corporate distinct from the County of Albemarle, Virginia.
3. Procedure to Become a Participating County. ABBA shall have until May 7, 2021, to return a counterpart signature page to this Memorandum to the Organizing Parties
4. Existing ABBA Projects. The current projects and programs in which ABBA is involved, including but not limited to the CVEC/Firefly tax grant agreement and prior and current VATI Grant Award Projects (including the 2021 award), as well as ABBA's development of customer support, affordability, and equitable access to broadband programs shall not be considered inconsistent, competitive, or materially adverse to this Memorandum.



13248176.1 036860.00002

### 13. Matching Funds

#### Attachment 9 - Funding Source Table

Source	Amount	%
Requested VATI	\$ 85,898,884	27.9%
County Match Contribution - Local	\$ 35,313,050	11.5%
Firefly/Dominion/Rappahannock - Private	\$ 186,554,526	60.6%
<b>Total</b>	<b>\$ 307,766,460</b>	<b>100%</b>

#### Notes:

1. Firefly has applied for a NTIA Tribal Grant with the Monacan Nation. If awarded, the VATI request will be reduced to eliminate overlap.
2. As leverage, Firefly will be building in the CAF II area at the same time as the VATI project with an investment of \$21.9 million, 357 miles and 3600 passings.

Status

Pending
Secured
Partially Secured

est

an



**ALBEMARLE COUNTY  
BROADBAND AUTHORITY**

**RESOLUTION TO PARTICIPATE IN A REGIONAL VATI 2022 APPLICATION**

**WHEREAS**, the Albemarle Broadband Authority (the Authority), consistent with Albemarle County's FY20-22 Strategic Plan, is committed to bringing universal broadband internet access to its citizens across the County within the next three years; and

**WHEREAS**, Firefly Fiber Broadband, Dominion Energy, and Rappahannock Electric Cooperative have developed a Regional Internet Service Expansion (RISE) project with the Thomas Jefferson Planning District as the lead applicant including the Authority being one of multiple public bodies serving multiple localities included in the project to make fiber to the home broadband internet service available to the unserved locations in Albemarle County.

**WHEREAS**, the preliminary planning for the regional project has identified 6,046 locations in Albemarle County as being unserved without access to speeds faster than 25 mbps download or 3 mbps upload and the preliminary design includes 649 miles of fiber optic cable to be installed in Albemarle County to make service available to those locations, with a cost estimate of \$47,505,000 for the construction, and

**WHEREAS**, the breadth of this project in Albemarle County and across the other participating jurisdictions creates a need for additional grant funding to make the project financially feasible, and

**WHEREAS**, this project will seek grant funds from the Virginia Department of Housing and Community Development through its Virginia Telecommunications Initiative (VATI) with an application on or before 14 September 2021 and local contributions to the project will strengthen the regional application by earning it additional scoring points.

**NOW, THEREFORE, BE IT RESOLVED**, that the Albemarle Broadband Authority commits to participating in the regional project and fully supporting the application including providing local matching funding not to exceed \$4,368,000 subject to appropriation.

\* \* \* \*

**MOTION**

I move the Board of Directors to adopt this Resolution committing it to participate in and fully support the joint regional application for VATI 2022 grant funding to achieve universal broadband accessibility in Albemarle County, with the Thomas Jefferson Planning District serving as lead applicant, and to commit local matching funds not to exceed \$4,368,000 subject to appropriation.

\* \* \* \*

I, Bucky Walsh, do hereby certify that the foregoing writing is a true and correct copy of a Resolution duly adopted by the Albemarle County Broadband Authority by a vote of 6 to 0 as recorded below, at a meeting held on August 25, 2021.

  
\_\_\_\_\_  
Bucky Walsh, Chair

	<u>Aye</u>	<u>Nay</u>
Dir. Walsh	<u>_x_</u>	___
Dir. Jaquith	<u>_x_</u>	___
Dir. Fritz	<u>_x_</u>	___
Dir. Henry	<u>_x_</u>	___
Dir. Palmer	<u>_x_</u>	___
Dir. Price	<u>_x_</u>	___





Amherst County Board of Supervisors  
County Resolution No. 2021-0020-R

**For consideration on August 17, 2021**

**A RESOLUTION, NO. 2021-0020-R**

A resolution of the Amherst County Board of Supervisors expressing support to bring universal broadband internet access to its citizens across Amherst County, Virginia.

---

Approved as to form and legality by the Amherst County Attorney

---

**BE IT RESOLVED BY THE BOARD OF SUPERVISORS OF THE COUNTY OF AMHERST, VIRGINIA:**

**I. That the Amherst County Board of Supervisors expresses support to bring universal broadband internet access to its citizens across Amherst County, Virginia, as follows:**

**WHEREAS**, Amherst County is committed to bringing universal broadband internet access to its citizens across the county within the next three years; and

**WHEREAS**, Firefly Fiber Broadband, Dominion Energy and Rappahannock Electric Cooperative have developed a regional internet service expansion project with the Thomas Jefferson Planning District as the lead applicant with the county being one of multiple counties included in the project to make fiber to the home broadband internet service available to the unserved locations in the county; and

**WHEREAS**, the preliminary planning for the regional project has identified 4,322 locations in the county as being unserved without access to speeds faster than 25 mbps download or 3 mbps upload, and the preliminary design includes 548 miles of fiber optic cable to be installed in the county to make service available to those locations, with a cost estimate of \$28,860,550 for the construction, creating a need for additional grant funding to make the project financially feasible; and

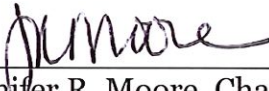
**WHEREAS**, this project will seek grant funds from the Virginia Department of Housing and Community Development through its Virginia Telecommunications Initiative (VATI) with an application on or before 14 September 2021, and that application process provides additional scoring points for local contributions to the project.

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF SUPERVISORS OF AMHERST COUNTY, VIRGINIA:**

That the Amherst County Board of Supervisors supports that Amherst County will participate in the regional project and fully support the application including providing local matching funding not to exceed \$3,025,400.

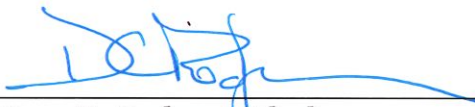
**II. That this resolution shall be in force and effect upon adoption.**

Adopted this 17<sup>th</sup> day of August 2021.

  
\_\_\_\_\_  
Jennifer R. Moore, Chair  
Amherst County Board of Supervisors

<b>Member</b>	<b>Vote</b>
Jennifer R. Moore, Chair.....	<u>AYE</u>
David W. Pugh, Jr., Vice-Chair.....	<u>AYE</u>
Tom Martin .....	<u>AYE</u>
L. J. "Jimmy" Ayers, III. ....	<u>AYE</u>
Claudia D. Tucker .....	<u>AYE</u>

**ATTEST:**

  
\_\_\_\_\_  
Dean C. Rodgers, Clerk  
Board of Supervisors of the County of Amherst, Virginia



**RESOLUTION IN SUPPORT OF  
REGIONAL BROADBAND GRANT APPLICATION**

**WHEREAS**, Appomattox County is committed to bringing universal broadband internet access to its citizens across the county within the next three years, and

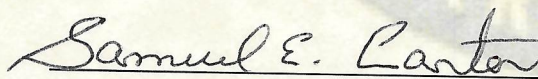
**WHEREAS**, Firefly Fiber Broadband, Dominion Energy and Rappahannock Electric Cooperative have developed a regional internet service expansion project with the Thomas Jefferson Planning District Commission as the lead applicant with the county being one of multiple counties included in the project to make fiber to the home broadband internet service available to the unserved locations in the county, and

**WHEREAS**, the preliminary planning for the regional project has identified 1,668 locations in the county as being unserved without access to speeds faster than 25 mbps download or 3 mbps upload, and the preliminary design includes 233 miles of fiber optic cable to be installed in the county to make service available to those locations, with a cost estimate of \$16,012,000 for the construction, creating a need for additional grant funding to make the project financially feasible, and

**WHEREAS**, this project will seek grant funds from the Virginia Department of Housing and Community Development through its Virginia Telecommunications Initiative (VATI) with an application on or before 14 September 2021, and that application process provides additional scoring points for local contributions to the project, then

**BE IT FURTHER RESOLVED** that Appomattox County will participate in the regional project and fully support the application including providing local matching funding not to exceed \$1,166,200.

ADOPTED by the Board of Supervisors of Appomattox County on this 10<sup>th</sup> day of August, 2021.

  
\_\_\_\_\_  
Samuel E. Carter, Chairman  
Appomattox County Board of Supervisors





Karl R. Carter  
County Administrator

E M. Wright, Jr.  
County Attorney

## Buckingham County

### Board of Supervisors

Office of the County Administrator  
13380 W. James Anderson Highway

Post Office Box 252

Buckingham, Virginia 23921-0252

Telephone 434-969-4242

Fax 434-969-1638

[www.buckinghamcountyva.org](http://www.buckinghamcountyva.org)

Donald R. Matthews, Jr.  
District 3 Supervisor  
Chairman

T. Jordan Miles, III  
District 4 Supervisor  
Vice-Chairman

Dennis Davis  
District 1 Supervisor

Donald E. Bryan  
District 2 Supervisor

Harry W. Bryant, Jr.  
District 5 Supervisor

Joe N. Chambers, Jr.  
District 6 Supervisor

Danny R. Allen  
District 7 Supervisor

## Buckingham County RISE Resolution

**WHEREAS**, Buckingham County is committed to bringing universal broadband internet access to its citizens across the county within the next three years, and

**WHEREAS**, Firefly Fiber Broadband, Dominion Energy and Rappahannock Electric Cooperative have developed a regional internet service expansion project with the Thomas Jefferson Planning District Commission as the lead applicant with the county being one of the multiple counties included in the project to make fiber to the home broadband internet service available to the unserved locations in the county, and

**WHEREAS**, the preliminary planning for the regional project has identified 3,000 locations in the county as being unserved without access to speeds faster than 25 mbps download or 3 mbps upload, and the preliminary design includes 315 miles of fiber optic cable to be installed in the county to make service available to those locations, with a cost estimate of \$21,215,000 for the construction, creating a need for additional grant funding to make the project financially feasible, and

**WHEREAS**, this project will seek grant funds from the Virginia Department of Housing and Community Development through its Virginia Telecommunications Initiative (VATI) with an application on or before 14 September 2021, and that application process provides additional scoring points for local contributions to this project, then

**BE IT RESOLVED**, that Buckingham County will participate in the regional project and fully support the application including providing local matching funding not to exceed \$1,500,000.

Karl R. Carter  
County Administrator

# Campbell County

Virginia

**Office of the County Administrator**

Frank J. Rogers

P.O. Box 100, Rustburg, VA 24588

[administration@campbellcountyva.gov](mailto:administration@campbellcountyva.gov)

Phone: 434-332-9525; 592-9525; 283-9525

Fax: 434-332-9617

September 8, 2021

Virginia DHCD  
600 E. Main Street, Suite 300  
Richmond, VA 23210

RE: VATI 2022 Application - Attachment 10 Documentation of Matching Funding

DHCD Staff:

The Campbell County Board of Supervisors (the "BOS") has appropriated the full local match in an amount not to exceed \$2,280,000 for our Thomas Jefferson PDC (TJPDC) VATI 2022 Application in partnership with Firefly. The funds will be made available as required to pay for the construction of the fiber to the home (FTTH) project. These funds will be considered appropriated by the Board for once the grant is approved and awarded.

We are very pleased to be associated with this application and feel that it will help us reach our goal of ubiquitous broadband service in our County.

Thank you for your consideration and potential partnership us on this critical project.

Sincerely



Frank Rogers

County Administrator

**Governing with Vision**

*to be the most collaborative, professional, value-driven locality in Virginia*

[www.campbellcountyva.gov](http://www.campbellcountyva.gov)





# County of Cumberland Virginia

## RESOLUTION OF THE CUMBERLAND COUNTY BOARD OF SUPERVISORS PARTICIPATION IN THE REGIONAL INTERNET SERVICE EXPANSION PROJECT WITH FIREFLY FIBER BROADBAND

**August 10, 2021**

**WHEREAS**, Cumberland County is committed to bringing universal broadband internet access to its citizens across the county within the next three years, and

**WHEREAS**, Firefly Fiber Broadband, Dominion Energy and Rappahannock Electric Cooperative have developed a regional internet service expansion project with the Thomas Jefferson Planning District Commission as the lead applicant with the county being one of multiple counties included in the project to make fiber to the home broadband internet service available to the unserved locations in the county, and

**WHEREAS**, the preliminary planning for the regional project has identified 464 locations in the county as being unserved without access to speeds faster than 25 mbps download or 3 mbps upload, and the preliminary design includes 50 miles of fiber optic cable to be installed in the county to make service available to those locations, with a cost estimate of \$3,648,000 for the construction, creating a need for additional grant funding to make the project financially feasible, and

**WHEREAS**, this project will seek grant funds from the Virginia Department of Housing and Community Development through its Virginia Telecommunications Initiative (VATI) with an application on or before 14 September 2021, and that application process provides additional scoring points for local contributions to the project, and

**NOW, THEREFORE, BE IT RESOLVED**, that Cumberland County will participate in the regional project and fully support the application including providing local matching funding not to exceed \$386,250.

Adopted this 10<sup>th</sup> day of August 2021.

  
Brian Stanley, Chairman  
Cumberland County  
Board of Supervisors

  
Jennifer Crews,  
Interim County Administrator



September 9, 2021

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

RE: 2022 VATI Applications from Firefly

Dear Ms. Holmes:

Dominion Energy Virginia ("Dominion") is pleased to be a party to a Memoranda of Understanding with Firefly, CVEC Electric Cooperative, Rappahannock Electric Cooperative and the Counties of Albemarle, Appomattox, Buckingham, Cumberland, Fluvanna, Goochland, Greene, Louisa and Powhatan (each, a "Participating County").

Dominion, Firefly, and our electric cooperative partners have developed a unique approach for achieving universal broadband access with individual Counties, and through broader, regional approaches. Dominion's participation in each of these projects will be pursuant to, and in a manner consistent with the provisions of, Virginia Code § 56-585.1:9 (the "Utility Leverage Statute").

This letter confirms Dominion's support for the application to the 2022 Virginia Telecommunication Initiative to be submitted by Firefly and our Participating County partners named above. Dominion's specific investments that will support each proposed project will be set forth in petitions under the Utility Leverage Statute that will be submitted to the State Corporation Commission ("SCC"). Dominion's participation in each project, and its specific level of related investment, will be subject to the approval of the SCC and the terms set forth in the SCC's Final Order related to each project.

Dominion is pleased to be part of these important County-wide and regional initiatives in the manner contemplated by the Utility Leverage Statute.

Sincerely,

A handwritten signature in black ink, appearing to read "DFW".

David F. Walker  
Director, Rural Broadband



September 13, 2021

Dr. Tamarah Holmes, Director  
Office of Broadband  
Virginia Department of Housing & Community Development  
600 East Main Street, Ste 300  
Richmond, VA 23219

RE: Documentation of Match Funding for 2022 VATI Application for Firefly Fiber Broadband<sup>SM</sup>

Dr. Holmes:

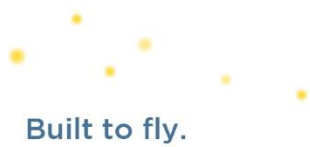
Firefly Fiber Broadband<sup>SM</sup> is pleased to partner with Rappahannock Electric Cooperative and Dominion Energy as fellow utilities, the 13 partner counties who have committed matching funds and enthusiastic support, and the Commonwealth of Virginia through the Department of Housing and Community Development Virginia Telecommunications Initiative (VATI) grant program on this universal broadband proposal to build a regional fiber network and offer gigabit speed internet to unserved residents in the project areas included in the VATI grant application. There is no better time to step forward, united as a solid front, to offer a reliable and affordable solution for fiber-to-the-home internet access to over 40,000 passings in central Virginia.

With the support of our Board of Directors, Firefly will take whatever steps necessary to fund the fiber build. Firefly has received confirmation for \$30 million in secured funds from CoBank and is awaiting an approval from another lender. With a \$10 million line of credit from its parent Central Virginia Electric Cooperative, \$62 million combined in FCC CAF II and RDOF auction fund revenue over the next ten years, and other financial instruments, Firefly has the resources will stand behind its commitment to complete this project in its entirety.

Firefly is eager to get started on bridging the digital divide here in central Virginia and ensuring digital equity for all of our neighbors. Leveraging the partnerships with other utilities and resources in the community packs a powerful punch and will make this project a reality. We are most hopeful that Firefly will be awarded the grant funds and the opportunity to transform the lives of local residents of all ages and backgrounds.

Sincerely,

Gary Wood  
President and CEO



**Built to fly.**

83FIREFLY1 (833-473-3591) • [info@fireflyva.com](mailto:info@fireflyva.com) • P.O. Box 359 Lovington, VA 22949

[fireflyva.com](http://fireflyva.com)



**BOARD OF SUPERVISORS**

County of Fluvanna

Palmyra, Virginia

**RESOLUTION No. 18-2021**

**A RESOLUTION FOR THE FIREFLY FIBER VIRGINIA  
TELECOMMUNICATION INITIATIVE GRANT APPLICATION**

**WHEREAS** the County of Fluvanna is committed to bringing universal broadband internet access to its citizens across the county within the next three years, and

**WHEREAS** Firefly Fiber Broadband, Dominion Energy and Rappahannock Electric Cooperative have developed a regional internet service expansion project with the Thomas Jefferson Planning District Commission as the lead applicant with the county being one of multiple counties included in the project to make fiber to the home broadband internet service available to the unserved locations in the county, and

**WHEREAS** the preliminary planning for the regional project has identified 802 locations in the county as being unserved without access to speeds faster than 25 mbps download or 3 mbps upload, and the preliminary design includes 63 miles of fiber optic cable to be installed in the county to make service available to those locations, with a cost estimate of \$5,137,000 for the construction, creating a need for additional grant funding to make the project financially feasible, and

**WHEREAS** this project will seek grant funds from the Virginia Department of Housing and Community Development through its Virginia Telecommunications Initiative (VATI) with an application on or before 14 September 2021, and that application process provides additional scoring points for local contributions to the project, then

**NOW THEREFORE BE IT RESOLVED** that the County of Fluvanna will participate in the regional project and fully support the application including providing local matching funding not to exceed \$601,500.

	AYE	NAY	ABSTAIN	ABSENT	MOTION	SECOND
Mozell H. Booker, Fork Union District	X					
Patricia B. Eager, Palmyra District	X					
Anthony P. O'Brien, Rivanna District	X				X	
John M. Sheridan, Columbia District	X					
Donald W. Weaver, Cunningham District	X					X

Attest:

  
John M. Sheridan, Chair

Fluvanna County Board of Supervisors



## BOARD OF SUPERVISORS

Susan F. Lascolette, District 1  
Neil Spoonhower, District 2  
John Lumpkins, Jr., Chair, District 3  
Don Sharpe, District 4  
Kendall C. Peterson, Vice-Chair, District 5



Manuel Alvarez, Jr.  
Interim County Administrator

Barbara Horlacher, CPA  
Deputy County Administrator

Jo Ann Hunter, AICP  
Deputy County Administrator

[www.goochlandva.us](http://www.goochlandva.us)

**AT A MEETING OF THE BOARD OF SUPERVISORS OF THE COUNTY OF GOOCHLAND, VIRGINIA, HELD ON SEPTEMBER 7, 2021, IN THE GOOCHLAND COUNTY ADMINISTRATION BUILDING, 1800 SANDY HOOK RD., SUITE 250, GOOCHLAND, VIRGINIA, THE FOLLOWING ACTION WAS TAKEN:**

**Resolution to Participate in the Regional Internet Service Expansion Project and 2022 Virginia Telecommunications Initiative Broadband Grant Application**

**WHEREAS**, Goochland County is committed to bringing universal broadband internet access to its citizens across the county within the next three years; and


**WHEREAS**, Firefly Fiber Broadband, Dominion Energy, and Rappahannock Electric Cooperative have developed a Regional Internet Service Expansion (RISE) project with the Thomas Jefferson Planning District Commission as the lead applicant and with the County being one of multiple counties included in the project to make fiber-to-the-premises broadband internet service available to unserved locations in the County; and

**WHEREAS**, preliminary planning for the RISE project has identified 2,765 locations in the County as being unserved, meaning without access to speeds faster than 25 mbps download or 3 mbps upload, and the preliminary design includes 276 miles of fiber optic cable to be installed in the County to make service available to those locations, with a cost estimate of \$25,220,000 for the construction, creating a need for additional grant funding to make the project financially feasible; and

**WHEREAS**, this project will seek grant funds from the Virginia Department of Housing and Community Development through its Virginia Telecommunications Initiative (VATI) broadband grant with an application on or before September 14, 2021, and that application process provides additional scoring points for local contributions to the project.

**NOW, THEREFORE, BE IT RESOLVED**, the Goochland County Board of Supervisors fully supports and will participate in the RISE project and associated 2022 VATI broadband grant application including providing local match funding not to exceed \$3,637,500.

A COPY ATTEST:

  
\_\_\_\_\_  
County Administrator or Designee  
Goochland County Board of Supervisors

**RESOLUTION OF THE BOARD OF SUPERVISORS OF GREENE COUNTY, VIRGINIA, FOR SUPPORT OF THE APPLICATION FOR THE REGIONAL INTERNET SERVICE EXPANSION (RISE) PROJECT**

**Whereas,** Greene County is committed to bringing universal broadband internet access to its citizens across the county within the next three years, and

**Whereas,** Firefly Fiber Broadband, Dominion Energy and Rappahannock Electric Cooperative have developed a regional internet service expansion project with the Thomas Jefferson Planning District as the lead applicant with the county being one of multiple counties included in the project to make fiber to the home broadband internet service available to the unserved locations in the county, and

**Whereas,** the preliminary planning for the regional project has identified 2,687 locations in the county as being unserved without access to speeds faster than 25 mbps download or 3 mbps upload, and the preliminary design includes 428 miles of fiber optic cable to be installed in the county to make service available to those locations, with a cost estimate of \$27,820,000 for the construction, creating a need for additional grant funding to make the project financially feasible, and

**Whereas,** this project will seek grant funds from the Virginia Department of Housing and Community Development through its Virginia Telecommunications Initiative (VATI) with an application on or before 14 September 2021, and that application process provides additional scoring points for local contributions to the project, then

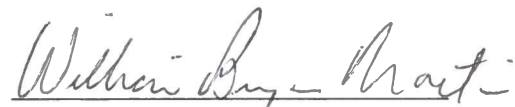
**Now, therefore be it resolved that** Greene County will participate in the regional project and fully support the application including providing local matching funding not to exceed \$ 2,687,000.

**ADOPTED BY THE GREENE COUNTY BOARD OF SUPERVISORS ON AUGUST 24, 2021.**

Motion: Dale Herring  
Second: Steve Bowman

Recorded Vote:

Bill Martin	<u>Yes</u>
Marie Durrer	<u>Yes</u>
Steve Bowman	<u>Yes</u>
Dale Herring	<u>Yes</u>
Davis Lamb	<u>Yes</u>

  
\_\_\_\_\_  
William Bryan Martin, Chair  
Greene County Board of Supervisors

ATTEST:   
\_\_\_\_\_  
Mark B. Taylor, Clerk  
Greene County Board of Supervisors

**BOARD OF SUPERVISORS  
COUNTY OF LOUISA  
RESOLUTION**

At a regular meeting of the Board of Supervisors of the County of Louisa held in the Louisa County Public Meeting Room at 5:00 PM on the 7th day of September 2021, at which the following members were present, the following resolution was adopted by a majority of all members of the Board of Supervisors, the vote being recorded in the minutes of the meeting as shown below:

<b>RESULT:</b>	<b>APPROVED [UNANIMOUS]</b>
<b>MOVER:</b>	R. T. Williams, Jackson District Supervisor
<b>SECONDER:</b>	Willie L. Gentry Jr., Cuckoo District Supervisor
<b>AYES:</b>	Barlow, Barnes, Gentry Jr., Purcell, Williams, Adams, Babyok

**A RESOLUTION APPROVING LOCAL MATCHING FUNDS AND  
SUPPORTING FIREFLY'S GRANT APPLICATION FOR COUNTY FIBER  
DEPLOYMENT**

**WHEREAS**, Louisa County is committed to bringing universal broadband internet access to its citizens across the county within the next three years, and

**WHEREAS**, Firefly Fiber Broadband, Dominion Energy and Rappahannock Electric Cooperative have developed a regional internet service expansion project with the Thomas Jefferson Planning District Commission as the lead applicant with the county being one of multiple counties included in the project to make fiber to the home broadband internet service available to the unserved locations in the county, and

**WHEREAS**, the preliminary planning for the regional project has identified 10,088 locations in the county as being unserved without access to speeds faster than 25 mbps download or 3 mbps upload, and the preliminary design includes 1,050 miles of fiber optic cable to be installed in the county to make service available to those locations, with a cost estimate of \$75,250,000 for the construction, creating a need for additional grant funding to make the project financially feasible, and

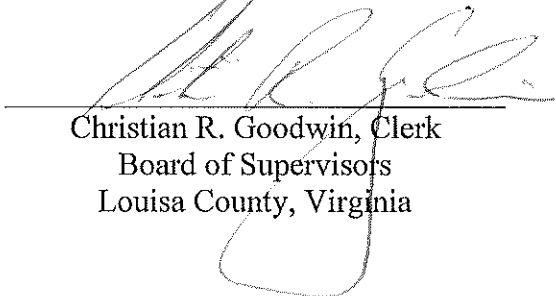
**WHEREAS**, this project will seek grant funds from the Virginia Department of Housing and Community Development through its Virginia Telecommunications Initiative (VATI) with an application on or before 14 September 2021, and that application process provides additional scoring points for local contributions to the project.

**NOW, THEREFORE, BE IT RESOLVED**, on this 7<sup>th</sup> day of September, 2021, that the Louisa County Board of Supervisors hereby agree to participate in the regional

project and support the application including providing local matching funding not to exceed \$8,949,000 pending execution of a future construction agreement.

**BE IT FURTHER RESOLVED**, that staff are hereby directed to provide letters of support for the effort as deemed applicable by the County Administrator.

A Copy, teste:



---

Christian R. Goodwin, Clerk  
Board of Supervisors  
Louisa County, Virginia

BOARD MEMBERS:

CHAIRMAN  
R. CLAY JACKSON

VICE CHAIRMAN  
CHARLOTTE HOFFMAN

MEMBERS  
KEVIN MCGHEE  
AMBER FOSTER  
CARTY YOWELL



COUNTY ADMINISTRATOR  
JONATHON WEAKLEY

COUNTY ATTORNEY  
SEAN D. GREGG

414 N. Main Street  
PO Box 705  
Madison, Virginia 22727  
(540) 948-6700  
Fax (540) 948-3843

---

## RESOLUTION # 2021-19

### A RESOLUTION OF THE MADISON COUNTY BOARD OF SUPERVISORS TO PARTICIPATE IN THE REGIONAL PROJECT & FULLY SUPPORT THE APPLICATION INCLUDING PROVIDING LOCAL MATCHING FUNDING

**WHEREAS**, Madison County is committed to bringing universal broadband internet access to its citizens across the county within the next three years, and

**WHEREAS**, Firefly Fiber Broadband, Dominion Energy and Rappahannock Electric Cooperative have developed a regional internet service expansion project with the Thomas Jefferson Planning District Commission as the lead applicant with the county being one of multiple counties included in the project to make fiber to the home broadband internet service available to the unserved locations in the county, and

**WHEREAS**, the preliminary planning for the regional project has identified 3,204 locations in the county as being unserved without access to speeds faster than 25 mbps download or 3 mbps upload, and the preliminary design includes 395 miles of fiber optic cable to be installed in the county to make service available to those locations, with a cost estimate of \$25,675,000 for the construction, creating a need for additional grant funding to make the project financially feasible, and

**WHEREAS**, this project will seek grant funds from the Virginia Department of Housing and Community Development through its Virginia Telecommunications Initiative (VATI) with an application on or before 14 September 2021, and that application process provides additional scoring points for local contributions to the project, then

**NOW, THEREFORE, BE IT RESOLVED** that Madison County will participate in the regional project and fully support the application including providing local matching funding not to exceed \$2,563,200.

Adopted this 24<sup>th</sup> day of August, 2021, by the Madison County Board of Supervisors, on motion of Supervisor McGhee, seconded by Supervisor Hoffman.



  
R. Clay Jackson, Chair  
Madison County Board of Supervisors

Attest:  Jonathon Weakley, Clerk of the Board

	Aye	Nay	Abstain	Absent
R. Clay Jackson	X			
Charlotte Hoffman	X			
Kevin McGhee	X			
Amber Foster	X			
Carty Yowell	X			



BOARD OF  
SUPERVISORS

THOMAS D. HARVEY  
North District

ERNIE Q. REED  
Central District

JESSE N. RUTHERFORD  
East District

ROBERT G. BARTON, JR.  
South District

J. DAVID PARR  
West District

STEPHEN A. CARTER  
County Administrator

GRACE MAWYER  
Administrative Assistant/  
Deputy Clerk

CANDICE W. MCGARRY  
Director of Finance and  
Human Resources

**RESOLUTION R2021-45  
NELSON COUNTY BOARD OF SUPERVISORS  
RESOLUTION TO PARTICIPATE AS A PARTNER  
IN THE REGIONAL INTERNET SERVICE EXPANSION (RISE) PROJECT**

**WHEREAS**, Nelson County is committed to bringing universal broadband internet access to its citizens across the county within the next three years; and

**WHEREAS**, a partnership of Firefly Fiber Broadband, Dominion Energy and Rappahannock Electric Cooperative has developed a regional internet service expansion project with the Thomas Jefferson Planning District as the lead applicant with the county being one of multiple counties included in the project to make fiber to the home broadband internet service available to the unserved locations in the county; and

**WHEREAS**, the preliminary planning for the regional project has identified 600 locations in the county as being unserved without access to speeds faster than 25 mbps download or 3 mbps upload, and the preliminary design includes 100 miles of fiber optic cable to be installed in the county to make service available to those locations, with a cost estimate of \$5,000,000 for the construction, creating a need for additional grant funding to make the project financially feasible; and

**WHEREAS**, this project will seek grant funds from the Virginia Department of Housing and Community Development through its Virginia Telecommunications Initiative (VATI) with an application on or before 14 September 2021, and that application process provides additional scoring points for local contributions to the project; then

**BE IT RESOLVED** that Nelson County will participate as a partner in the regional project and fully support the application, including a local match of \$1,125,000 in the form of the December 2020 allocation from the Nelson County Broadband Authority to Firefly Fiber Broadband to provide funding assistance for universal internet service availability in Nelson County.

Approved: August 10, 2021

Attest: , Clerk  
Nelson County Board of Supervisors

**RESOLUTION R-2021-41  
AUTHORIZING THE COUNTY ENTERING INTO A REGIONAL INTERNET  
SERVICE EXPANSION PROJECT WITH THE THOMAS JEFFERSON PLANNING  
DISTRICT COMMISSION AND AUTHORIZATION OF A VIRGINIA  
TELECOMMUNICATIONS INITIATIVE GRANT (“VATI”), AND THE REQUIRED  
MATCHING FUNDS FOR THE GRANT**

**WHEREAS**, Powhatan County is committed to bringing universal broadband internet access to its citizens across the county within the next three years, and

**WHEREAS**, Firefly Fiber Broadband, Dominion Energy and Rappahannock Electric Cooperative have developed a regional internet service expansion project with the Thomas Jefferson Planning District Commission as the lead applicant with the county being one of multiple counties included in the project to make fiber to the home broadband internet service available to the unserved locations in the county, and

**WHEREAS**, the preliminary planning for the regional project has identified 2,016 locations in the county as being unserved without access to speeds faster than 25 mbps download or 3 mbps upload, and the preliminary design includes 192 miles of fiber optic cable to be installed in the county to make service available to those locations, with a cost estimate of \$14,400,000 for the construction, creating a need for additional grant funding to make the project financially feasible, and

**WHEREAS**, this project will seek grant funds from the Virginia Department of Housing and Community Development through its Virginia Telecommunications Initiative (VATI) with an application on or before 14 September 2021, and that application process provides additional scoring points for local contributions to the project, then

Be it resolved that Powhatan County will participate in the regional project and fully support the application including providing local matching funding not to exceed \$3,024,000.

**ADOPTED BY THE POWHATAN COUNTY BOARD OF SUPERVISORS ON AUGUST 23, 2021**

**ATTEST:**



\_\_\_\_\_  
Ned Smither, Clerk  
Powhatan County Board of Supervisors



\_\_\_\_\_  
Karin M. Carmack, Chair  
Powhatan County Board of Supervisors

**Recorded Vote:**

<i>David T. Williams</i>	<u>AYE</u>
<i>Thomas E. Berry</i>	<u>AYE</u>
<i>Michael W. Byerly</i>	<u>AYE</u>
<i>Bill L. Cox</i>	<u>AYE</u>
<i>Karin M. Carmack</i>	<u>AYE</u>

September 13, 2021

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

RE: Firefly Fiber Broadband Deployment Initiative

Dr. Holmes:

On behalf of Rappahannock Electric Cooperative (REC), I am pleased to submit this letter in support of the applications that Firefly Fiber Broadband (Firefly) is submitting for grant funding from the 2022 Virginia Telecommunication Initiative.

We appreciate the focus from the Commonwealth on this critical need to make high-quality broadband internet service available in our unserved and underserved communities. REC is a member-owned, member-focused electric cooperative serving portions of 22 counties. The partnership between us and Firefly, a wholly owned subsidiary of Central Virginia Electric Cooperative, is a wonderful example of a key principle for cooperatives – cooperation among cooperatives. With this collaboration, REC intends to own and lease fiber to Firefly, and Firefly will serve as the internet service provider. REC has applied for loan funds from the USDA's Rural Utilities Service to finance this project. Our efforts have facilitated commitments that will deliver universal, fiber-to-the-home broadband access in the partnered counties served by REC. Additionally, REC is constructing a utility fiber backbone network designed to facilitate the successful completion of these broadband partnership solutions.

This cooperation among cooperatives creates opportunities to simultaneously address critical needs such as modernizing the energy grid and strengthening the reliability and security of our electric infrastructure, while making broadband access universally available. REC is proud to be a facilitator of this internet solution and to contribute to these important projects. We also look forward to continuing our work with Firefly.

Thank you for your consideration of awarding the funding necessary to complete these important projects.

Sincerely,



Peter Muhoro, Ph.D.  
Chief Strategy, Technology and Innovation Officer  
Rappahannock Electric Cooperative

Rappahannock Electric Cooperative is an equal opportunity provider and employer.



Vaughan, Chandler &lt;chandler.vaughan@dhcd.virginia.gov&gt;

---

## Fwd: Broadband support in Central Virginia

---

**Holmes, Tamarah** <tamarah.holmes@dhcd.virginia.gov>

Tue, Sep 14, 2021 at 5:07 PM

To: Deserae Saunders-austin &lt;deserae.saunders-austin@dhcd.virginia.gov&gt;, Chandler Vaughan &lt;chandler.vaughan@dhcd.virginia.gov&gt;

Tamarah Holmes, Ph.D  
Director, Office of Broadband  
Program Manager, Virginia Appalachian Regional Commission Program (ARC)  
[Virginia Department of Housing and Community Development \(DHCD\)](#)  
600 East Main Street, Suite 300  
☎ 804.371.7056  
✉ [tamarah.holmes@dhcd.virginia.gov](mailto:tamarah.holmes@dhcd.virginia.gov)

***If you or someone you know is having difficulty in making rent payments, you may be eligible for the Virginia Rent Relief Program (RRP). To find out if you may be eligible, visit [www.dhcd.virginia.gov/eligibility](http://www.dhcd.virginia.gov/eligibility) or dial 2-1-1 from any phone.***

----- Forwarded message -----

From: **Mike Kavros** <[callieopiesorchard@gmail.com](mailto:callieopiesorchard@gmail.com)>  
Date: Tue, Sep 14, 2021 at 9:52 AM  
Subject: Broadband support in Central Virginia  
To: <[tamarah.holmes@dhcd.virginia.gov](mailto:tamarah.holmes@dhcd.virginia.gov)>

September 14, 2021  
Dr. Tamarah Holmes  
Office of Broadband  
[600 East Main Street, Ste 300](#)  
[Richmond, VA 23219](#)

Dear Dr. Holmes  
Callie Opie's Orchard (MGK15 LLC) fully supports Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Louisa County.

We rely on internet services to process credit card payments (the majority of our transactions), stream background dinner music as well as communicate with literally 100's of vendors, partners and other companies to run our day to day operations. Not a week goes by where at least one guest asks "do you have internet?", especially during the tourist season.

Business growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening small businesses and creating and retaining jobs in the region.

Callie Opie's Orchard is delighted to endorse this application in the hope that its successful implementation will bolster my and business growth in Central Virginia.

Sincerely,



9/14/21, 5:29 PM

Commonwealth of Virginia Mail - Fwd: Broadband support in Central Virginia

Michael Kavros, Owner  
Callie Opie's Orchard



## *Louisa County Reentry Council*

P.O. Box 425  
Louisa, Virginia 23093-0425

**Lisa Rengers**  
**Chair/Case Manger**

**Telephone: (540) 967-1320**  
**Fax: (540) 967-0593**

September 14, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Ste. 300  
Richmond, VA 23219

Dear Dr. Holmes

Louisa Reentry Council fully supports Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDCC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Louisa County.

Our Louisa Reentry participants suffer economically from limited access to broadband which affects their ability to find and maintain employment. It has also had an effect on their children's ability to continue their schooling during the COVID-19 pandemic. Additionally many services for our participants like Substance Abuse and Mental Health counseling are currently offered over Broadband due to COVID -19 which means that our participants have limited access to these services at a time when they need them the most. Lack of Broadband effects the rural communities in many ways.

Business growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening small businesses and creating and retaining jobs in the region.

Louisa Reentry Council is delighted to endorse this application in the hope that its successful implementation will bolster my, my participants' and our local business's growth in Central Virginia.

Sincerely,

Lisa Rengers, Chair of the Louisa County Reentry Council  
Louisa County DHS  
540-967-1320 office phone  
540-223-2205 work cell



**815 Davis Highway  
Mineral, VA 23117**

September 13, 2021

Dr. Tamarah Holmes

Office of Broadband

600 East Main Street, Ste 300

Richmond, VA 23219

Dear Dr. Holmes,

Louisa County Career & Technical Education fully supports Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently underserved homes and businesses in Louisa County.

As I collaborate with businesses they explain how the lack of internet is impeding their business and how gaining access to high-speed internet would improve work processes and success.

Business growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband connectivity is essential to strengthening small businesses and creating and retaining jobs in the region.

The Louisa County Career & Technical Education Department is delighted to endorse this application in the hope that its successful implementation will bolster productivity and business growth in Central Virginia.

Sincerely,

Bo Bundrick

Director of CTE & Workforce Development

<https://www.lcpscte.org/>



Saunders-austin, Deserae &lt;deserae.saunders-austin@dhcd.virginia.gov&gt;

---

**Fwd: broadband fiber internet- Louisa County**

1 message

**Holmes, Tamarah** <tamarah.holmes@dhcd.virginia.gov>

Wed, Sep 15, 2021 at 10:28 AM

To: Chandler Vaughan &lt;chandler.vaughan@dhcd.virginia.gov&gt;, Deserae Saunders-austin &lt;deserae.saunders-austin@dhcd.virginia.gov&gt;

Tamarah Holmes, Ph.D  
Director, Office of Broadband  
Program Manager, Virginia Appalachian Regional Commission Program (ARC)  
[Virginia Department of Housing and Community Development \(DHCD\)](#)  
600 East Main Street, Suite 300  
o 804.371.7056  
e [tamarah.holmes@dhcd.virginia.gov](mailto:tamarah.holmes@dhcd.virginia.gov)

*If you or someone you know is having difficulty in making rent payments, you may be eligible for the Virginia Rent Relief Program (RRP). To find out if you may be eligible, visit [www.dhcd.virginia.gov/eligibility](http://www.dhcd.virginia.gov/eligibility) or dial 2-1-1 from any phone.*

----- Forwarded message -----

From: **Lahr Ben** <[Ben.Lahr@tetrapak.com](mailto:Ben.Lahr@tetrapak.com)>

Date: Wed, Sep 15, 2021 at 10:28 AM

Subject: broadband fiber internet- Louisa County

To: [tamarah.holmes@dhcd.virginia.gov](mailto:tamarah.holmes@dhcd.virginia.gov) <[tamarah.holmes@dhcd.virginia.gov](mailto:tamarah.holmes@dhcd.virginia.gov)>

Date Sept 15, 2021

Dear Dr. Holmes

Tetra Pak (Louisa) fully supports Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Louisa County.

We currently experience continued issues with maintaining internet connections during meetings and presentations. These interruptions cause many issues with business continuity. Our desire to increase the digitalization within our facility has been slowed in recent years due to the limited internet options and speeds available to us. Increasing download speeds and improving communications would be a welcomed improvement that could help us to improve both our business itself and the tools available to our staff.

Business growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening small businesses and creating and retaining jobs in the region.

Tetra Pak (Louisa) is delighted to endorse this application in the hope that its successful implementation will bolster my and business growth in Central Virginia.

Sincerely,

Ben Lahr

9/15/21, 10:29 AM

Commonwealth of Virginia Mail - Fwd: broadband fiber internet- Louisa County

**Factory Manager**  
[193 Industrial Drive](#)  
[Louisa, VA 23093](#)

Office: ext.1080752

Mobile: +1-434-222-7803

Fax: +1-540-967-2125

[ben.lahr@tetrapak.com](mailto:ben.lahr@tetrapak.com)

[www.tetrapak.com](http://www.tetrapak.com)

General





P.O. Box 321  
Gordonsville, VA 22942

Rebecca Kinney, President  
Kelvin R. Hawkins, Vice- President

---

TO: Mike Culp, Director  
Broadband Accessibility and Affordability Office  
401 McIntire RD  
Charlottesville, VA 22902

FROM: Kelvin R. Hawkins, Vice – President  
St. John Family Life and Fitness Center, Inc.

DATE: September 13, 2021

RE: Need for Digital Literacy for the St. John Family Life and Fitness Center, Inc.

*Training on how to use technology is critical in closing the digital gap. Of the effort on the ground, digital literacy courses held at public libraries were the most effective- Knight Foundation*

In order for the residents of the Keswick/Cobham community to participate in the opportunities provided by the digital world, education, work, connecting with loved ones, accessing tele-health and more accessible to culturally competency; a digital literacy platform is essential for the St. John Family Life and Fitness Center, Inc.

Many take it for granted the intuitive use of digital devices and the ability to easily navigate the internet. Thousands of our neighbors, seniors, those in low-income households, and those already facing barriers, may struggle to use digital tools effectively even today. The Saint John Family Life and Fitness Center, Inc. plan to close this gap.

The Saint John Family Life and Fitness Center, Inc. is a 501 (c) non-profit entity in the Keswick Area. The school is a historic African-American School in Albemarle County undergoing a major transformation. The Saint John Rosenwald School was built in the early 1920s. Through digital literacy, we plan to increase digital experience and knowledge in the community.

The SJFLFC is in the Southwest Mountains Rural Historic District in Albemarle County. A local population of nearly 4,000 in Keswick/Cobham area, plus approximately 2,000 residents and visitors from surrounding counties. The Keswick/Cobham community consist of a race and ethnic diversity of 89.5% White, 5.2% Black/African Americans and 5.3% Native Americans, Asian, Hispanic or Latinos and other races. Age groups are 27.8% 65 years and older, 42% of 64-35 years of age and 30.2% under 35 years of age.

The expected outcomes of a digital literacy plan are:

- 1) To create a cultural community resource center for researchers on African-American history as well as an interpretive site for the public.
- 2) To educate the residents of Albemarle County about the historic integrity within the Virginia area and the need to preserve this historic landmark. Through the restoration of St. John Rosenwald School Project citizens will become educated about the significance of the school. St. John Rosenwald School will serve as an example of how history can successfully be preserved, restored, and in turn bolster community interest in local preservation initiatives.
- 3) To document the obstacles African Americans had to overcome to obtain an education in the Reconstruction and Post-Reconstruction South. The community will be educated about the history of the African American Civil Rights Movement and how education in the Rosenwald Schools played a major role in the lives of blacks in the South.

Once renovated it will provide a venue for all Albemarle County residents and surrounding areas to engage in recreational, educational, cultural and social activities while preserving a historically significant structure. After completion of restoration of the historic Rosenwald School, it will be the only Rosenwald School in Albemarle County that will be available to the public.

A digital literacy platform is needed to:

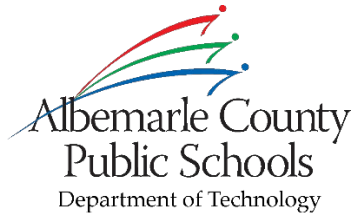
- Share the St. John Family Life and Fitness Center Family Life Center Story
- Share the story of the importance of Albemarle Black Classrooms in the early 1900s.
- Offer a community hotspot for individuals without Internet
- Support computers utilized for history research
- Support research for Ancestry information
- Internet connections to be utilized for community meetings
- Digital connections for health and wellness tips for the community
- To be a site for community members to search for employment in the job market.
- To provide educational opportunities to promote learning for students and instructors.

Digital literacy is a need in all communities. Many Fortune 100 companies require on line job applications; henceforth reducing the unemployment rate. Stats prove that this can improve unemployment by as much as 25%. Many people use internet connections to research medical information on line to be better informed as patients. Almost 80% of student have been enrolled in an online class requiring internet connections.

A digital platform in the Keswick/Cobham area will help the St John Family Life and Fitness Center, Inc in our effort to enhance the quality of life in the community through the ability to connect digitally.

We are writing to show our support for Firefly Fiber Broadband<sup>SM</sup>, a wholly-owned subsidiary of Central Virginia Electric Cooperative (CVEC), and their proposal for building Fiber-to-the-Premise (FTTP) in Albemarle County Virginia as part of the Rural Internet Service Expansion (RISE) VATI 2022 application.

cc: St. John Family Life and Fitness Center, Inc.



August 27, 2021

RE: Letter of Support for 2022 VATI Application for Albemarle County

Dear Selection Committee,

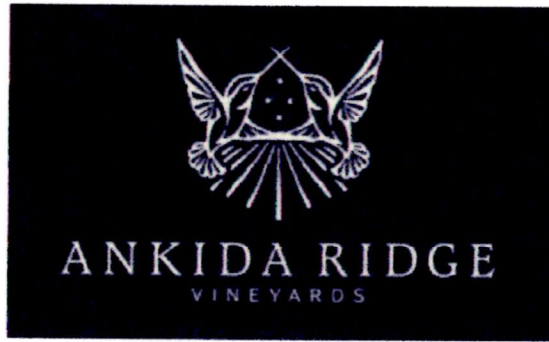
We are writing in support of Firefly Fiber Broadband<sup>SM</sup>, a wholly-owned subsidiary of Central Virginia Electric Cooperative (CVEC), and their proposal for building Fiber-to-the-Premise (FTTP) in Albemarle County, Virginia. We recognize the importance of broadband to citizens in our County.

Additionally, such improvements will increase educational opportunities for our staff and most importantly, our students. Many times, our students are unable to access information for their homework or research in our County because of our lack of broadband. Also, our schools are unable to effectively connect between the locations, thus limiting our ability to offer reliable internet connections for both instruction and school division operations.

FTTP would also provide economic growth in Albemarle County for all. The proposed investment in broadband infrastructure utilizing VATI funds along with County matching funds would greatly improve the opportunities only faster broadband can afford. Please consider their application and know we stand in support of these efforts.

Sincerely,

Dr. Christine Diggs  
Chief Technology Officer  
Albemarle County Public Schools



1304 Franklin Creek Rd. Amherst, Virginia 24521

Sept. 2, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street Ste 300  
Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes:

Ankida Ridge Vineyards fully supports Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Amherst County.

As owner of Ankida Ridge, I cannot fully express how frustrating it has been for us to operate a business without reliable high speed internet. Our customers often have to wait while we try to create their payment using the internet. We have to apologize and ask for their patience. Sometimes we cannot even process their payment and have to tell them we will do it manually when the internet is more reliable. When I try to create marketing materials and need to download and upload images for newsletters, emails, etc., I often have to wait extended lengths of time for the process to complete. It is simply very difficult to run a business successfully without reliable high speed internet. Future economic growth through the development and growth of new businesses is compromised because of the lack of reliable high speed internet throughout the region.

The business growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening small businesses and creating and retaining jobs in the region.

Ankida Ridge is delighted to endorse this application in the hope that its successful implementation will bolster my business and the regional economic growth in Central Virginia.

Sincerely,

Christine Vrooman

Owner

Ankida Ridge Vineyards





September 2, 2021

Office of Broadband

Attn: Dr. Tamarah Holmes

600 East Main Street, Suite #300

Richmond, VA 23219

Dear Dr. Holmes,

Ellington Wood Products, Inc. fully supports the Firefly Fiber Broadband and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Amherst County.

We are a family run small business producing custom pallets for numerous suppliers around the state and abroad. We were classified by the DHS as Essential Critical Infrastructure Employer during the onset of COVID since our business ties into medical, food, agricultural and transportation. Therefore, running our business as efficiently as possible is critical with such a time sensitive product. Communication with our broker located in Smithfield is done 95% via internet. Our orders, scheduling, invoicing and payment is dependent on this, especially when we invoice and get paid on the SAME DAY and our weekly payroll relies on this. Not a week has gone by where we haven't had some sort of interruption with our service which forces us to have back-ups with hotspots or an inconvenient Improvisation which has cost us both time and money.

Business growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening small businesses, allowing them to be more competitive in the market, and creating and retaining jobs in the region.

Ellington Wood Products is delighted to endorse this application in the hope that its successful implementation will bolster our business growth in Central Virginia.

Sincerely,

A handwritten signature in cursive script that reads "Laura E. Vassar".

Laura E. Vassar

President

Ellington Wood Product



## AMHERST COUNTY PUBLIC SAFETY

P. O. Box 140, 119 Taylor Street, Amherst, Virginia 24521  
Emergency 911 – Business 434-946-9307 – Fax 434-946-9470 – Communications 434-946-9300

SAMUEL A. BRYANT, IV  
DIRECTOR

September 7, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Ste 300  
Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes,

We are writing in support of Firefly Fiber Broadband<sup>SM</sup>, a wholly-owned subsidiary of Central Virginia Electric Cooperative (CVEC), and their proposal for building Fiber-to-the-Premise (FTTP) in Amherst, Virginia. We recognize the importance of broadband to citizens in our County. Additionally, the internet is a valuable component of emergency preparedness and would aid in delivering real-time information to our citizens during and after emergencies. Their proposed investment in broadband infrastructure utilizing VATI funds with matching County funds would greatly improve the opportunities only faster broadband can afford. Please consider their application and know we stand in support of their efforts.

Sincerely,

A handwritten signature in black ink that reads "Sal A. Bryant, IV".

Samuel A. Bryant, IV

Amherst County Public Safety Director-Fire Marshal



## AMHERST COUNTY PUBLIC SCHOOLS

School Administration Office  
153 Washington Street  
Amherst, VA 24521

---

Office of the Superintendent  
Dr. Robert Arnold

(434) 946-9387

[rarnold@amherst.k12.va.us](mailto:rarnold@amherst.k12.va.us)

September 3, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Ste 300  
Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes,

We are writing in support of Firefly Fiber Broadband<sup>SM</sup>, a wholly-owned subsidiary of Central Virginia Electric Cooperative (CVEC), and their proposal for building Fiber-to-the-Premise (FTTP) in Amherst County, Virginia. We recognize the importance of broadband to citizens in our County. Additionally, such improvements will increase educational opportunities for our staff and most importantly, our students. Many times, our students are unable to do their homework or research in our County because of our lack of broadband. The schools are unable to connect effectively between the locations thus limiting our ability to offer a broad range of classes to our students.

FTTP would also provide economic growth in Amherst County for all. Their proposed investment in broadband infrastructure utilizing VATI funds along with County matching funds would greatly improve the opportunities only faster broadband can afford. Please consider their application and know we stand in support of their efforts.

Sincerely,

Dr. Robert J. Arnold  
Superintendent

August 26, 2021

Mr. Gary Wood  
CEO  
Firefly Fiber Broadband  
P.O. Box 359  
Lovingson, VA 22949

Dear Mr. Wood:

I am writing to express Sweet Briar College's enthusiastic support for Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes, businesses, agencies, and institutions in Amherst County.

Given Sweet Briar's educational mission and role as a top employer in the County, I can say without hesitation that enhanced broadband coverage will support many areas on our 2,840 acres and, more importantly, the surrounding Amherst county areas. Since a dual broadband connection serves our core campus, crossover circuits, high-speed cabling to our academic buildings/dorms, and over 635 wireless access points, all of which required investment by the college, our core operational broadband service is acceptable.

Reliable broadband outside our core campus means on-demand access for students, faculty, staff, and visitors to information and networks that will make our institution and campus function more efficiently. Great examples are Equestrian Center, served by repeater radios, and our Woodland Road residential section with slower speeds over older equipment. In addition, as new growth occurs outside the core, high-speed connectivity from outside the property will be critical.

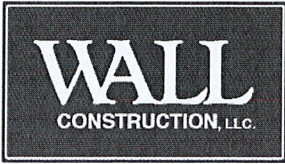
Further, broadband will support our neighbors' better quality of life, who likewise require and deserve the technology that will enable a new era of community development and economic growth.

Business growth in our region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening small businesses, creating and retaining jobs, and building communities and institutions in our region. As such, Sweet Briar College is delighted to endorse this application hoping that its successful implementation will bolster economic growth in Central Virginia.

Sincerely,



Luther T. Griffith  
VP for Finance, Operations, and Auxiliary Enterprises



RESIDENTIAL  
AND COMMERCIAL  
BUILDING SYSTEMS

Phone: (434) 929-0366

Fax: (434) 929-0367

161 Dillard Road  
Madison Heights, VA 24572

[www.wallconstruction.biz](http://www.wallconstruction.biz)

Sept. 3, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Ste 300  
Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes:

Wall Construction, llc fully supports Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Amherst County.

Business growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening small businesses and creating and retaining jobs in the region.

Wall Construction, llc is delighted to endorse this application in the hope that its successful implementation will bolster my and business growth in Central Virginia.

Sincerely,

A handwritten signature in blue ink that reads "David Wall". The signature is fluid and cursive, with the first name "David" being more prominent than the last name "Wall".

David Wall  
President  
Wall Construction, llc



# Tucker Family Farms

713 Indian Creek Road

Amherst, Va 24521

Sept. 2, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Ste 300  
Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes:

As owner of Tucker Family Farms, I write in full support of Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Amherst County.

Agriculture in Virginia requires that we compete in the global market. In order to do that, we must have access to high speed internet for research purposes, marketing resources and to ensure that we are able to follow in real time pricing trends and the latest news that will impact our markets. If we are not able to do these things, then my business cannot compete on a level playing field with those that do business in a region that has invested in the technology necessary to remove the internet barriers.

Business growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening small businesses and creating and retaining jobs in the region.

Tucker Family Farms is proud to endorse this application in the hope that its successful implementation will bolster my and others business growth in Central Virginia.

Best regards,



Bill Tucker  
Owner  
Tucker Family Farms

434-944-2292 (cell)  
betterheifers@gmail.com



Virginia Cooperative Extension  
Appomattox County  
177 Morton Lane  
PO Box 488  
Appomattox, Virginia 24522  
434-352-8244 Fax: 434-352-2702

September 7, 2021

Gary Wood, CEO  
Firefly Fiber Broadband  
P.O. Box 359  
Lovingson, VA 22949

Dear Mr. Wood:

As the 4-H agent for Virginia Cooperative Extension – Appomattox Office, I fully support Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Appomattox County.

When schools shutdown, and youth had to learn virtually, the lack of internet impeded their ability to learn, and gaining access to high-speed internet would help to improve learning processes and educational success in general.

Business growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. When businesses move to our area, families move with them. Broadband is essential to strengthening small businesses, creating and retaining jobs, as well as giving youth access to the internet for research, uploading, and completion of assignments.

Appomattox 4-H is delighted to endorse this application in the hope that its successful implementation will bolster educational opportunities, and business growth in Central Virginia.

Sincerely,

*Bonnie*

Bonnie Tillotson  
Extension Agent  
4-H Youth Development  
Appomattox Office  
(W) 434-352-8244  
[btillots@vt.edu](mailto:btillots@vt.edu)

VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

Extension is a joint program of Virginia Tech, Virginia State University, the U.S. Department of Agriculture, and state and local governments.

Virginia Cooperative Extension programs and employment are open to all, regardless of age, color, disability, gender, gender identity, gender expression, national origin, political affiliation, race, religion, sexual orientation, genetic information, veteran status, or any other basis protected by law. An equal opportunity/affirmative action employer.





Virginia Cooperative Extension  
Appomattox County  
177 Morton Lane  
PO Box 488  
Appomattox, Virginia 24522  
434-352-8244 Fax: 434-352-2702

September 7, 2021

Gary Wood, CEO  
Firefly Fiber Broadband  
P.O. Box 359  
Lovingsston, VA 22949

Dear Mr. Wood:

As Senior Extension Agent for Agriculture and Natural Resources in Appomattox County, I fully support Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently underserved homes and businesses in Appomattox County.

The farming community in Appomattox County has changed dramatically over my 20+ year career and is becoming more reliant on internet technology and services. I initially witnessed farmers using the internet to find part diagrams, repair instructions and order parts for equipment repair. Multiple farmers have noted the cost savings they have enjoyed by purchasing parts using the internet.

I also started seeing the internet being used for farm equipment sale and advertisement. I have noticed numerous equipment upgrades on farms which took place due to the connections made possible with internet advertisement. These equipment upgrades have allowed for either farm expansion or increased time available for family commitments.

I have also noticed an increased use of timely marketing information related to cattle and grain crops. Historically, farmers have relied on printed media for their information which at times can be old after just a few days. The internet allows for instant access of market pricing throughout the day and rapid information on market changing developments. Reliable internet is a must when making marketing decisions that can impact profitability by thousands of dollars in a limited timeframe.

As technology increases at the farm level, the need for reliable internet becomes even more apparent. A dealer for "Ag Leader" computer technology recently relocated his farming operation to Appomattox County. This technology offers the opportunity for yield mapping, prescription application of fertilizer and unimaginable data collection. This technology requires reliable at-home internet access for optimal data management and use.

I am delighted to support this application in hope that improved internet access can improve the profitability and sustainability of farms in Appomattox County.

Sincerely,

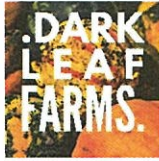
Bruce Jones: Senior Extension Agent

VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

Extension is a joint program of Virginia Tech, Virginia State University, the U.S. Department of Agriculture, and state and local governments.

Virginia Cooperative Extension programs and employment are open to all, regardless of age, color, disability, gender, gender identity, gender expression, national origin, political affiliation, race, religion, sexual orientation, genetic information, veteran status, or any other basis protected by law. An equal opportunity/affirmative action employer.





185 Dark Leaf Road  
Appomattox, VA 24522

September 7, 2021

Gary Wood, CEO  
Firefly Fiber Broadband  
P.O. Box 359  
Lovingston, VA 22949

Dear Mr. Wood:

Dark Leaf Farm fully supports Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently underserved homes and businesses in Appomattox County.

Dark Leaf Farm, a long-time tobacco and grain farm in Appomattox County, diversified into pumpkin production in 2010. In an effort to capture increased value from the pumpkin production, direct sale and on-farm "agritourism" activities became the preferred method of marketing. Newspaper advertisement was initially utilized, but it quickly became apparent the high value of social media and internet marketing. My farm is located in an area where internet access is challenging. I initially utilized a satellite provider, but was unhappy with the service reliability and support. I currently utilize a cellular phone provider for internet service which is functional, but sometimes unreliable.

As technology increases at the farm level, the need for reliable internet becomes even more important. I recently invested into "Ag Leader" computer technology which will yield map my grain fields at harvest and also offer potential for developing field specific management of nutrient and chemical applications. This technology requires reliable at-home internet access for optimal data management and use.

I also have 3 school age children who were directly impacted by the virtual schoolwork mandatory during 2020-2021 due to Covid-19. My children had to complete their assignments at odd hours due to decreased internet speed as the day progressed. I also noticed my internet speed on the weekends would slow substantially to the point where some websites would not open.

Dark Leaf Farm is delighted to endorse this application in the hope that its successful implementation will result in an increased internet presence of the farm which will subsequently increase farm visitation and income.

Sincerely,

A handwritten signature in blue ink that reads "Joanne Jones". The signature is fluid and cursive, written over a white background.

Joanne Jones  
Owner and Manager  
Dark Leaf Farm



September 1, 2021

Gary Wood, CEO  
Firefly Fiber Broadband  
P.O. Box 359  
Lovingson, VA 22949

Dear Mr. Wood:

Wolfbane Productions fully supports Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Appomattox County.

Wolfbane Productions is a professional theater company that provides Broadway level entertainment and is located in Appomattox County. Wolfbane has 2 separate venue spaces, 1 being our Wolfswood venue located rurally on Country Club Road of Appomattox County. Our current operation at the Wolfswood is 100% reliant on hotspots to run our productions, box office, and concession stand. Wolfbane provides entertainment to more than 7,500 guests each year and the operations are limited due to the lack of broadband in our area. The lack of reliable internet caused the organization to have to seek secondary office space in the town of Appomattox in order to adequately meet the needs of Wolfbane's patrons. Having access to broadband would allow Wolfbane to not only improve current operations, but also to have the ability to continue to grow and stay in our rural space in the woods.

Business growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening small businesses and creating and retaining jobs in the region.

Wolfbane Productions is delighted to endorse this application in the hope that its successful implementation will bolster the business growth in Central Virginia. For more information, please check out [www.Wolfbane.org](http://www.Wolfbane.org).

Sincerely,

A handwritten signature in black ink, appearing to read 'Ashley Sandman', written in a cursive style.

Ashley Sandman

Vice President of the Board

Wolfbane Productions





# ECONOMIC DEVELOPMENT AUTHORITY OF APPOMATTOX COUNTY

153-A Morton Lane, P.O. Box 863, Appomattox, VA 24522

Phone: (434) 352-2637 • Fax: (434) 352-4214

Email: [EDA@AppomattoxCountyVA.gov](mailto:EDA@AppomattoxCountyVA.gov)

September 1, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Ste 300  
Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes:

I am writing on behalf of the Appomattox County Economic Development Authority (EDA) in support of Firefly Fiber Broadband<sup>SM</sup>, a wholly-owned subsidiary of Central Virginia Electric Cooperative (CVEC), and their proposal for building Fiber-to-the-Premise (FTTP) in Appomattox County, Virginia. Our Authority Board frequently discusses the importance of broadband not only to the citizens in our County, but also to the entire Region as we continually see workforce dynamics changing. Such improvements will increase educational opportunities and economic growth in the County. The proposed investment in broadband infrastructure utilizing VATI funds, with matching County and RSN funds, would greatly improve the business and industry opportunities in our county, which only faster broadband can afford.

On a personal note, I am a longtime resident of Appomattox County having owned and operated a small business in the wood products industry. We conducted our business on a global scale, despite limited broadband availability. Rural counties, such as Appomattox County, tend to have limited availability to infrastructure such as water and sewer that many larger companies demand. Access to reliable and efficient broadband is as essential to today's business climate as water and sewer. It is a non-negotiable requirement for our workforce as remote work and video conferencing become the norm. It really is the key to the future success of rural areas in terms of economic growth, as well as, attracting a well-qualified labor force to the area to settle and raise their families.

We respectfully ask that you consider the application and know the Appomattox County EDA stand in support of their efforts.

Sincerely,

Gareth K. Bosiger, Chairman

Economic Development Authority of Appomattox County, Virginia.



DONALD D. SIMPSON  
Sheriff

# SHERIFF'S OFFICE

## COUNTY OF APPOMATTOX

P.O. BOX 366  
APPOMATTOX, VIRGINIA 24522



(434) 352-2666  
FAX (434) 352-0445

September 10, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Ste 300  
Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes:

We are writing in support of Firefly Fiber Broadband<sup>SM</sup>, a wholly-owned subsidiary of Central Virginia Electric Cooperative (CVEC), and their proposal for building Fiber-to-the-Premise (FTTP) in Appomattox (County), Virginia. We recognize the importance of broadband to citizens in our County. Additionally, the internet is a valuable component of emergency preparedness and would aid in delivering real-time information to our citizens during and after emergencies. Their proposed investment in broadband infrastructure utilizing VATI funds with matching County and RSN funds would greatly improve the opportunities only faster broadband can afford. Please consider their application and know we stand in support of their efforts.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Simpson".

Sheriff Donald D. Simpson  
Appomattox County

DDS/jmm



September 9, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Ste 300  
Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes:

Blue Ridge Medical Center fully supports Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Nelson, Amherst, Appomattox Counties.

Our patients who lack broadband access are unable to fully take advantage of significant resources like telemedicine, remote patient monitoring and use of our patient portal.

Business growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening small businesses and creating and retaining jobs in the region.

Blue Ridge Medical Center is delighted to endorse this application in the hope that its successful implementation will bolster my and business growth in Central Virginia.

Sincerely,

A handwritten signature in black ink, appearing to read "RHP", is written over a light blue horizontal line.

Randolph H. Pirtle  
CEO  
Blue Ridge Medical Center

# CONTACT US

---

## Campbell County Public Library (Main Branch)

684 Village Hwy  
Rustburg, VA 24588  
rb@co.campbell.va.us  
(434) 332-9560

## Patrick Henry Memorial Library

204 Lynchburg Ave  
Brookneal, VA 24528  
phml@co.campbell.va.us  
(434) 376-3363

## Staunton River Memorial Library

500 Washington St  
Altavista, VA 24517  
srml@co.campbell.va.us  
(434) 369-5140

## Timbrook Library

18891 Leesville Rd  
Lynchburg, VA 24501  
tbl@co.campbell.va.us  
(434) 592-9551

# BOOK A CLASS

---

Book your free course today!

<https://tinyurl.com/CCPLS-TechClasses>



PO Box 310  
Rustburg, VA 24588



## Campbell County Public Library System

[campbellcountylibraries.org](http://campbellcountylibraries.org)

 @CampbellCountyLibrary

 @ccplibaryva

 @campbellcountypubliclibraryva

#ccplsreads

# TECH CLASSES OFFERED

## TECH 101

No computer experience required! These courses are intended to be taken in order, so you can build upon your skills.

### Intro to Computers:

What is a computer? Learn about types of computers and their hardware and software.

### Navigating the Computer:

What is an operating system? Discover information about programs, files, and folders, and practice navigating a Windows system.

### Navigating the Internet:

What is the Internet? How does it work? Figure out how to connect to the Internet, learn what you can do online, and how to use a web browser. Email is also covered.

### Tech 101:

In a single two-hour class, learn Intro to Computers, Navigating the Computer, and Navigating the Internet.

## TECH 201

Some technology experience is required for these courses, as they involve topics covered in Tech 101. These concepts will be explained in full. Questions are welcome!

### Managing Digital Files/Photos:

This course covers basic file organization, deleting photos from a digital camera, and uploading files to an online storage site or cloud-based service. (1 hr)

### Intro to Google Drive:

Understand Drive and how you can use it to your advantage. Includes a brief overview of Docs, Sheets, and Slides. (1.5 hrs)

### Deleting Yourself From the Internet:

Learn best practices for getting your personal information out of the public eye. (0.5 hr presentation, 1-on-1 help)

### Intro courses for...

- Microsoft Word / Google Docs (1 hr)
- Microsoft Excel / Google Sheets (1 hr)
- Microsoft Powerpoint / Google Slides (1 hr)
- Graphic Design on a Dime (1.5 hr)

## INTRO TO...

All of these courses are available through one of our library databases. Go to [www.campbellcountylibraries.org/learn](http://www.campbellcountylibraries.org/learn) to browse or ask us for help!

- **Computer basic, typing practice**
- **Windows and Mac systems**
- **How to use certain software (ex. Microsoft Excel, Adobe Photoshop, QuickBooks)**
- **Basics in photography and electronics**
- **How to use sites like eBay**
- **Google products**
- **Programming and website languages (HTML, CSS, etc.)**

## 1-ON-1 HELP

You can schedule a 1-hour appointment with your librarian! Schedule in advance so you have dedicated training based on your needs. Topics include:

- **Device help (smartphones, tablets, e-readers)**
- **Help with our online resources**
- **Creating a resume**
- **Learning how to fill out job applications**
- **Job interview simulations**
- **Reference/genealogy questions**





Central Virginia  
Community College

*Where your future begins*

3506 Wards Road, Lynchburg, VA 24502-2498

434-832-7601 • FAX: 434-386-4600 • [www.centralvirginia.edu](http://www.centralvirginia.edu)

OFFICE OF THE PRESIDENT

September 3, 2021

Dr. Tamarah Holmes  
Director, Office of Broadband  
Virginia Department of Housing & Community Development  
VATI Program  
600 East Main Street, Suite 300  
Richmond, Virginia 23219

Dear Dr. Holmes:

I am writing to endorse Campbell County's VATI application to expand broadband internet service. Broadband availability is critical to individuals, households, and businesses; it is key to community and economic development. As a community college educator, however, I am especially concerned with its importance to educational accessibility, advancement, and equity—all of which depend upon access to broadband.

COVID-19 has magnified the inequities that exist among our students and in our communities, Campbell County included. The gaps in broadband coverage, in particular, have created a chasm that puts large groups of students at a disadvantage and disrupts their progress—in some cases, even preventing them from pursuing a higher education. While broadband may have been advantageous to students before, it is essential to higher education today.

The truth of that statement is reflected in enrollment statistics. During spring 2020, Central Virginia Community College (CVCC) was forced to suspend all face-to-face programming and move all its courses and services to a remote environment. Those with access to broadband were able to continue their education; those who lacked access were relegated to patching together temporary access points or, worse, abandoning their education altogether. The statistics speak for themselves. Enrollments at CVCC among Campbell County students fell from 714 in fall 2019—a pre-pandemic period—to 600 in fall 2020 when the college was still operating primarily in a virtual environment. No doubt other factors contributed to that decrease; however, we can be sure that limited access to broadband was a major factor.

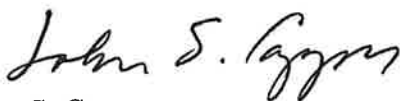
With online access to higher education being so important, citizens without broadband are at a profound disadvantage as they strive to further their education. It is a disadvantage that has employment consequences for individuals and economic consequences for communities. Students from low-income households and rural areas that lack broadband are especially vulnerable. Increasing coverage to these households creates an on-ramp to higher education, making community college more affordable and accessible. From that standpoint, access to broadband is not a merely luxury. It is a necessity—an imperative that is crucial to personal, community, and economic development.

September 3, 2021

Page Two

The “new normal” is going to be our familiar reality for a long time to come, resulting in far-reaching and transformational effects on how we approach teaching and learning in the years ahead. Online learning—and the access that broadband affords to online learning platforms—will become more and more important as more coursework is adapted to virtual delivery. Universal access to broadband is therefore not just a practical issue, critical to educational and economic advancement. It is also a moral mandate since it promotes equity and inclusion among all citizens. For all these reasons, I endorse Campbell County’s proposal to expand broadband internet service throughout the county.

Sincerely,

A handwritten signature in black ink that reads "John S. Capps". The signature is written in a cursive style with a large, prominent initial "J".

John S. Capps  
President

# CAMPBELL COUNTY



*Be Cultivated.*

Virginia  
Est. 1781

*Be Sustained.*

*Economic Development*

## ***Economic Development***

Nina Rezai

Manager, Economic Development

PH: (434) 332-9676

Fax: (434) 332-9693

[nrrezai@co.campbell.va.us](mailto:nrrezai@co.campbell.va.us)

September 2, 2021

Dr. Tamarah Holmes  
Director, Office of Broadband  
Virginia Department of Housing & Community Development  
VATI Program  
600 East Main Street, Suite 300  
Richmond, Virginia 23219

Dear Dr. Holmes

I am writing in support of Campbell County's VATI applications to expand broadband internet service to Campbell's rural and un-served areas of the County. Campbell County is working collaboratively with three separate applicants to achieve universal coverage. Doing so will enhance the opportunities for citizens of the County in immeasurable ways.

The absence of this critical internet service has limited the ability of individuals, households and businesses to avail themselves of necessary resources, information and opportunities that are readily available with adequate internet service. During the on-going pandemic, the need for sufficient internet connection to facilitate commerce, communication and a sustainable quality of life has been particularly evident.

We recognize the importance of broadband to our citizens. The proposed investment in broadband utilizing VATI grant funds is vital to the continued vitality of the County. I strongly encourage your support of the Campbell County applications.

Thank you for your consideration

Respectfully,

Nina Rezai  
Economic Development Manager

September 1

Dr. Tamarah Holmes  
Director, Office of Broadband  
Virginia Department of Housing & Community Development  
VATI Program  
600 East Main Street, Suite 300  
Richmond, Virginia 23219

Dear Dr. Holmes

I am writing in support of Campbell County's VATI applications to expand broadband internet service to Campbell's rural and un-served areas of the County. Campbell County is working collaboratively with three separate applicants to achieve universal coverage. Doing so will enhance the opportunities for citizens of the County in immeasurable ways.

The absence of this critical internet service has limited the ability of individuals, households and businesses to avail themselves of necessary resources, information and opportunities that are readily available with adequate internet service. During the on-going pandemic, the need for sufficient internet connection to facilitate commerce, communication and a sustainable quality of life has been particularly evident.

We recognize the importance of broadband to our citizens. The proposed investment in broadband utilizing VATI grant funds is vital to the continued vitality of the County. I strongly encourage your support of the Campbell County applications.

Thank you for your consideration

Dean Monroe

Chairman Campbell Co. Planning Commission.

and employer of over 50 people in Campbell Co.





# Campbell County

Virginia

## Department of Social Services

Lisa C. Linthicum, Director

P.O. Box 860, 69 Kabler Lane

Rustburg, VA 24588

Phone: 434-332-9585; 592-9585; 283-9585

Fax: 434-332-9699

September 7, 2021

Dr. Tamarah Holmes  
Director, Office of Broadband  
Virginia Department of Housing & Community Development  
VATI Program  
600 East Main Street, Suite 300  
Richmond, Virginia 23219

Dear Dr. Holmes:

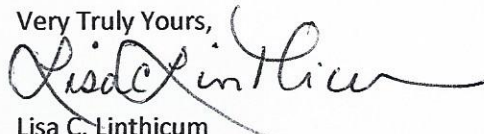
I am writing in support of Campbell County's VATI applications to expand broadband internet service to Campbell's rural and unserved areas of the County. Campbell County Social Services has long been an advocate and support of universal broadband coverage. On a daily basis, we see missed opportunities, citizens shut out or marginalized because they are in an underserved or unserved area for broadband coverage. This opportunity for expanded broadband will bring crucial, pivotal services and resources along with an improved quality of life to those who are most vulnerable.

In the current *Information Age*, the need for broadband service in order to function in society is clear. The following are areas in which our clientele (and staff as well) in rural/unserved areas have been left behind: school children's participation in virtual classes; ability of the homebound, disabled persons to conduct telemedicine doctor's visits; job search and job application for those seeking self-sufficiency; ability of citizens to apply for benefits and provide documentation online, which can expedite the process for basic life needs such as medicine, food and shelter; ability of citizens to access community resources and services online; capacity to upload documents related to various applications to research updated public policy and manuals and to telework; opportunities for isolated citizens, especially the elderly and infirm, to stay in contact and have virtual visits with their family and loved ones; access to increased security for victims of domestic violence and adult or child abuse who are not able to use security cameras and live feed platforms for personal protection. These examples are just a few of the unmet needs that expanded broadband coverage will address.

Thank you for considering the lives of ALL of our citizens in this vital pursuit of VATI grant funds. Our Commonwealth, our community, will only become stronger in ensuring the highest quality of life when every person has access to broadband service.

With kind regards, I am

Very Truly Yours,



Lisa C. Linthicum

Director

LCL/jg



September 9, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Ste 300  
Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes:

Cardinal Point Vineyard & Winery fully supports Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Nelson County.

Without the broadband service provided by Firefly, we simply could not do business. As you are aware, business growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening small businesses and creating and retaining jobs in the region.

Cardinal Point is delighted to endorse this application in the hope that its successful implementation will bolster my own and other business growth in Central Virginia.

Sincerely,

Sarah Gorman

Business Manager  
Cardinal Point Vineyard & Winery  
9423 Batesville Road  
Afton, Virginia 22920  
540456-8400



## Central Virginia Small Business Development Center

P.O. Box 2976 Charlottesville, VA 22902

Tel: 434-295-8198 · Email: [rhaydock@cvsbdc.org](mailto:rhaydock@cvsbdc.org) · Web: [www.cvsbdc.org](http://www.cvsbdc.org)

---

VIA E-MAIL

September 9, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Ste 300  
Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes:

Central Virginia Small Business Development Center (CV SBDC) fully supports Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Central Virginia's rural counties.

As a leading business service provider in Central Virginia, CV SBDC knows entrepreneurs are struggling without adequate broadband. Business owners find it difficult to access the valuable business support services they need, while more importantly, they struggle to engage customers without adequate online capability. With more than 95% of jobs coming from small businesses, our communities are stronger and healthier when they invest in small business success. This particular investment supports a fundamental need.

CV SBDC is delighted to endorse this application in the hope that its successful implementation will help Central Virginia's job creators survive and thrive.

Sincerely,

Rebecca A. Haydock  
Director, Central Virginia SBDC



September 7, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Suite 300  
Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes:

The Charlottesville Regional Chamber of Commerce supports Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Albemarle County.

The past year has demonstrated just how critical broadband is for many reasons. Notably, our businesses have adapted to more remote working opportunities for employees and a larger footprint for business development. With increased broadband availability, we expect to see business growth expand as well throughout the region.

Business growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening our Chamber member organizations and the overall community in creating and retaining jobs in the region.

The Chamber expects that its successful implementation will bolster business growth and improve quality of work for all workers in Central Virginia.

Sincerely,

*Elizabeth Cromwell*

Elizabeth Cromwell  
President & CEO



September 9, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Ste 300  
Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes:

Mountain and Vine, d/b/a Delfosse Vineyards fully supports Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Nelson County.

Access to high-speed internet is a critical component of our ability to conduct business successfully; without it, even simple tasks become burdensome, taking an inordinate amount of staff time resources that could be better used in support of other business needs.

Business growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening small businesses and creating and retaining jobs in the region.

Mountain and Vine is delighted to endorse this application in the hope that its successful implementation will bolster my and business growth in Central Virginia.

Sincerely,

Adrienne and Michael Albers

Mountain and Vine, LLC

adrienne@delfossewine.com



September 9, 2021

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

RE: 2022 VATI Applications from Firefly

Dear Ms. Holmes:

Dominion Energy Virginia ("Dominion") is pleased to be a party to a Memoranda of Understanding with Firefly, CVEC Electric Cooperative, Rappahannock Electric Cooperative and the Counties of Albemarle, Appomattox, Buckingham, Cumberland, Fluvanna, Goochland, Greene, Louisa and Powhatan (each, a "Participating County").

Dominion, Firefly, and our electric cooperative partners have developed a unique approach for achieving universal broadband access with individual Counties, and through broader, regional approaches. Dominion's participation in each of these projects will be pursuant to, and in a manner consistent with the provisions of, Virginia Code § 56-585.1:9 (the "Utility Leverage Statute").

This letter confirms Dominion's support for the application to the 2022 Virginia Telecommunication Initiative to be submitted by Firefly and our Participating County partners named above. Dominion's specific investments that will support each proposed project will be set forth in petitions under the Utility Leverage Statute that will be submitted to the State Corporation Commission ("SCC"). Dominion's participation in each project, and its specific level of related investment, will be subject to the approval of the SCC and the terms set forth in the SCC's Final Order related to each project.

Dominion is pleased to be part of these important County-wide and regional initiatives in the manner contemplated by the Utility Leverage Statute.

Sincerely,

A handwritten signature in black ink, appearing to read "DFW".

David F. Walker  
Director, Rural Broadband



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

ABIGAIL SPANBERGER  
7TH DISTRICT, VIRGINIA

August 31, 2021

Dear Director Johnston,

I am writing to request you provide full and fair consideration of the application submitted by Firefly Fiber Broadband (hereinafter referred to as "Firefly"), a subsidiary of Central Virginia Electric Cooperative, for the Virginia Telecommunication Initiative funding opportunity as awarded by the Virginia Department of Housing and Community Development.

As I understand it, the purpose of this program is to provide financial assistance to supplement construction costs by private sector broadband service providers, in partnership with local units of government, to extend service to areas that presently are unserved by any broadband provider.

If awarded funding, Firefly says it will use funds to support its Regional Internet Service Expansion (RISE) project, which seeks to offer universal broadband coverage to all unserved homes and businesses in 12 central Virginia counties: Albemarle, Amherst, Appomattox, Buckingham, Cumberland, Fluvanna, Goochland, Greene, Louisa, Madison, Nelson, and Powhatan. Specifically, Firefly says its RISE project will bring fiber to approximately 50,000 dwellings across central Virginia.

Furthermore, Firefly says it is partnering with Dominion Energy and Rappahannock Electric Cooperative, among other electric utilities, and that the counties that stand to benefit from this potential funding have agreed to provide matching funds, made possible by the American Rescue Plan Act.

I thank you for your time and attention to this grant application, as well as your service to the constituents of VA-07.

Kind Regards,



Abigail Spanberger  
Member of Congress

BEN CLINE  
6TH DISTRICT, VIRGINIA  
2443 RAYBURN HOUSE OFFICE BUILDING  
WASHINGTON, DC 20515  
(202) 225-5431  
FAX (202) 225-9681  
WWW.CLINE.HOUSE.GOV



COMMITTEE ON APPROPRIATIONS  
SUBCOMMITTEE ON COMMERCE, JUSTICE, SCIENCE, AND  
RELATED AGENCIES  
SUBCOMMITTEE ON LABOR, HEALTH AND HUMAN SERVICES,  
EDUCATION, AND RELATED AGENCIES  
COMMITTEE ON THE BUDGET

**Congress of the United States**  
**House of Representatives**

September 3, 2021

Gary Wood, CEO  
Firefly Fiber Broadband  
P.O. Box 359  
Lovingson, VA 22949

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Mr. Wood:

I am writing in support of Firefly Fiber Broadband<sup>SM</sup>, a subsidiary of Central Virginia Electric Cooperative, in their application for funds from the Virginia Telecommunication Initiative (VATI) grant with Thomas Jefferson Planning District Commission as the lead applicant. I hope you will provide full and fair consideration of the application submitted. If awarded, the proposed regional project would have an impact of over 40,000 dwellings in Central Virginia, including part of my district.

Firefly is embarking on its Regional Internet Service Expansion (RISE) project that seeks to offer universal broadband coverage to all underserved homes and businesses in 12 central Virginia counties. These include Albemarle, Amherst, Appomattox, Buckingham, Cumberland, Fluvanna, Goochland, Greene, Louisa, Madison, Nelson, and Powhatan. The project includes a partnership with Dominion Energy, Rappahannock Electric Cooperative, and leveraging relationships with other electric utilities, to offer a solution to the digital divide in these territories. The grant money requested in Firefly's VATI application will help finally bring service to Amherst, which is in my district.

I support efforts to bring broadband to the most rural parts of my district and this regional project offers a solution for large portions of counties like Amherst.

I thank you for your time and attention to this grant application. Please do not hesitate to contact me if I can be of assistance to you.

Sincerely,

Ben Cline  
Member of Congress

**Harrisonburg Office**  
70 N Mason St, Suite 110  
Harrisonburg, VA 22802  
Phone: (540) 432-2391  
Fax: (540) 857-2675

**Lynchburg Office**  
916 Main St, Suite 300  
Lynchburg, VA 24504  
Phone: (434) 845-8306  
Fax: (540) 857-2675

**Roanoke Office**  
10 Franklin Rd SE, Suite 510  
Roanoke, VA 24011  
Phone: (540) 857-2672  
Fax: (540) 857-2675

**Staunton Office**  
117 S Lewis St, Suite 215  
Staunton, VA 24401  
Phone: (540) 885-3861  
Fax: (540) 857-2675

# SENATE OF VIRGINIA

**R. CREIGH DEEDS**  
25TH SENATORIAL DISTRICT  
ALL OF ALLEGHANY, BATH, HIGHLAND,  
NELSON, AND ROCKBRIDGE COUNTIES;  
ALL OF THE CITIES OF BUENA VISTA,  
CHARLOTTESVILLE, COVINGTON, AND  
LEXINGTON; AND PART OF ALBEMARLE COUNTY

P. O. Box 5462  
CHARLOTTESVILLE, VIRGINIA 22905



COMMITTEE ASSIGNMENTS:  
PRIVILEGES AND ELECTIONS, CHAIR  
COMMERCE AND LABOR  
JUDICIARY  
FINANCE AND APPROPRIATIONS  
RULES

September 3, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Ste 300  
Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes:

I write to express my support for the grant application of Firefly Fiber Broadband, a subsidiary of Central Virginia Electric Cooperative, for funds from the Virginia Telecommunication Initiative (VATI) with Thomas Jefferson Planning District Commission as the lead applicant. I am hopeful the application will receive full and fair consideration as it would impact over 40,000 dwellings in Central Virginia, including many in my district.

Firefly's Regional Internet Service Expansion (RISE) project, which will offer universal broadband coverage to all underserved homes and businesses in 12 central Virginia counties, builds on their success and demonstrates the type of commitment and vision we need to address the lack of connectivity in our rural areas. I am most impressed by their efforts to partner with Dominion Energy, Rappahannock Electric Cooperative, and to leverage relationships with other electric utilities, to offer a solution to the digital divide in these territories. This partnership is critical to the success of bringing reliable, affordable high-speed internet to these counties.

During my tenure in office, I have supported efforts to bring broadband to the most rural parts of my district. This regional project offers a permanent solution for entire counties, using future-proof technology and is worthy of grant funds from VATI. I appreciate your service to the Commonwealth and hope you will look most favorably on this application.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Creigh Deeds".

R. Creigh Deeds





COMMONWEALTH OF VIRGINIA  
HOUSE OF DELEGATES  
RICHMOND

C. MATT FARISS  
243-C LIVESTOCK ROAD  
RUSTBURG, VIRGINIA 24588

FIFTY-NINTH DISTRICT

COMMITTEE ASSIGNMENTS:  
APPROPRIATIONS  
PUBLIC SAFETY

September 13, 2021

Gary Wood, CEO  
Firefly Fiber Broadband  
P.O. Box 359  
Lovingston, VA 22949

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Mr. Wood,

I am writing to express my support for Firefly Fiber Broadband SM, a subsidiary of Central Virginia Electric Cooperative, in their application for funds from the Virginia Telecommunication Initiative (VATI) grant with Thomas Jefferson Planning District Commission as the lead applicant. I hope you will provide full and fair consideration of the application submitted. The proposed regional project will positively impact over 40,000 dwellings in Central Virginia, many of which are in my district.

Firefly is embarking on its Regional Internet Service Expansion (RISE) project that seeks to offer universal broadband coverage to all underserved homes and businesses in 12 central Virginia counties: Albemarle, Amherst, Appomattox, Buckingham, Cumberland, Fluvanna, Goochland, Greene, Louisa, Madison, Nelson, and Powhatan. As part of the project, they are partnering with Dominion Energy, Rappahannock Electric Cooperative, and leveraging relationships with other electric utilities, to offer a solution to the digital divide in these territories. This partnership is critical to the success of bringing reliable, affordable high-speed internet to each of these counties. The grant dollars requested in Firefly's VATI application will help finally bring universal service to the participating counties in my district, making what once a dream, a reality.

During my tenure in office, I have supported efforts to bring broadband to the most rural parts of my district. This regional project offers a permanent solution for entire counties, using future-proof technology and is worthy of grant funds from VATI. I thank you for your time and attention to this grant application, as well as your service to the Commonwealth.

Sincerely,

A handwritten signature in blue ink, appearing to read "C. Matt Fariss".

C. Matt Fariss, Member  
VA House of Delegates  
59<sup>th</sup> District



COMMONWEALTH OF VIRGINIA  
HOUSE OF DELEGATES  
RICHMOND

ROBERT B. BELL  
2309 FINCH COURT  
CHARLOTTESVILLE, VIRGINIA 22911

COMMITTEE ASSIGNMENTS:  
COURTS OF JUSTICE  
TRANSPORTATION  
HEALTH, WELFARE AND INSTITUTIONS

FIFTY-EIGHTH DISTRICT

September 2021

Gary Wood, CEO  
Firefly Fiber Broadband  
P.O. Box 359  
Lovingsston, VA 22949

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Mr. Wood:

It gives me great pleasure to support Firefly Fiber Broadband<sup>SM</sup>, a subsidiary of Central Virginia Electric Cooperative, in their application for funding under the Virginia Telecommunication Initiative (VATI) grant program with Thomas Jefferson Planning District Commission as the lead applicant.

This project will make a substantial impact in the rural areas in central Virginia. It will build fiber to every unserved location in Albemarle, Amherst, Appomattox, Buckingham, Cumberland, Fluvanna, Goochland, Greene, Louisa, Madison, Nelson, and Powhatan county. The grant will only fund service to locations not already connected to an existing provider delivering adequate speed service in these counties. This means that it will provide broadband coverage for many homes and businesses in the 58th House District. This grant will make it easier for employees to work from home when needed and for students to complete their coursework.

Firefly Fiber Broadband<sup>SM</sup> is a once in a lifetime opportunity, and I am proud to support this application. Thank you for your time and attention.

Sincerely,

A handwritten signature in black ink that reads "Rob Bell".

Rob Bell  
Delegate, 58<sup>th</sup> District



MARK R. WARNER  
VIRGINIA



UNITED STATES SENATOR  
WASHINGTON, D.C.

May 19, 2021

Mr. Gary Wood  
President and Chief Executive Officer  
Central Virginia Electric Cooperative  
Post Office Box 247  
Lovingson, VA 22949-0247

Dear Gary,

I am writing to extend my appreciation for your leadership of the Central Virginia Electric Cooperative (CVEC).

During your time as the chief executive officer of the CVEC, the organization has excelled in providing electricity to its member-owners. With a low number of outage hours and high customer satisfaction, it is clear that your infrastructure investments are making a difference and that you take great pride in your work.

Perhaps most incredible, though, are your efforts to expand broadband fiber service to thousands of Virginians in rural communities through Firefly broadband. Access to affordable, high-speed internet is not a luxury, it is a necessity. Especially now, during this global pandemic. It is essential to our students, our small-business owners, and Americans trying to access government benefits and connect remotely with their health care providers. Your leadership in working toward the goal of having broadband service available to all CVEC member-owners by Summer 2022 is commendable and is making an extraordinary difference in the communities you serve.

I am excited to join with your family, friends, and colleagues in saluting your accomplishments and wishing you continued success in the years to come.

Sincerely,

A handwritten signature in black ink that reads "Mark R. Warner". The signature is fluid and cursive.

MARK R. WARNER  
United States Senator

September 8, 2021

Gary Wood, CEO  
Firefly Fiber Broadband  
P.O. Box 359  
Lovingston, VA 22949

Dear Mr. Wood:

Elk Island Winery fully supports Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Goochland County.

We struggle to operate our credit card processor, social media marketing posts as well as our day-to-day business operations without a good reliable high speed internet option. We currently use our cell phone provider as a hot spot and that doesn't work very well.

Business growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening small businesses and creating and retaining jobs in the region.

Elk Island Winery is delighted to endorse this application in the hope that its successful implementation will bolster my and business growth in Central Virginia.

Sincerely,

*Sue Anne Klinefelter*

Sue Anne Klinefelter

Owner

Elk Island Winery



September 13, 2021

Dr. Tamarah Holmes, Director  
Office of Broadband  
Virginia Department of Housing & Community Development  
600 East Main Street, Ste 300  
Richmond, VA 23219

RE: Documentation of Match Funding for 2022 VATI Application for Firefly Fiber Broadband<sup>SM</sup>

Dr. Holmes:

Firefly Fiber Broadband<sup>SM</sup> is pleased to partner with Rappahannock Electric Cooperative and Dominion Energy as fellow utilities, the 13 partner counties who have committed matching funds and enthusiastic support, and the Commonwealth of Virginia through the Department of Housing and Community Development Virginia Telecommunications Initiative (VATI) grant program on this universal broadband proposal to build a regional fiber network and offer gigabit speed internet to unserved residents in the project areas included in the VATI grant application. There is no better time to step forward, united as a solid front, to offer a reliable and affordable solution for fiber-to-the-home internet access to over 40,000 passings in central Virginia.

With the support of our Board of Directors, Firefly will take whatever steps necessary to fund the fiber build. Firefly has received confirmation for \$30 million in secured funds from CoBank and is awaiting an approval from another lender. With a \$10 million line of credit from its parent Central Virginia Electric Cooperative, \$62 million combined in FCC CAF II and RDOF auction fund revenue over the next ten years, and other financial instruments, Firefly has the resources will stand behind its commitment to complete this project in its entirety.

Firefly is eager to get started on bridging the digital divide here in central Virginia and ensuring digital equity for all of our neighbors. Leveraging the partnerships with other utilities and resources in the community packs a powerful punch and will make this project a reality. We are most hopeful that we will be granted the grant funds and the opportunity to transform the lives of local residents of all ages and backgrounds.

Sincerely,

Gary Wood  
President and CEO



**Rudy Garcia**

President

Fluvanna Chamber of Commerce 177

Main Street P.O. Box 93 Palmyra,

VA 22963

September 4, 2021

Tamarah Holmes, Ph.D

Director

Office of Broadband

Virginia Department of Housing and Community Development

600 East Main Street Suite 300

Richmond VA 23219

RE: Letter of Support for 2021 VATI Application for Firefly Fiber Broadband<sup>SM</sup>

Dear Dr Holmes,

I am writing on behalf of the Fluvanna County Chamber of Commerce in support of Firefly Fiber Broadband<sup>SM</sup>, a wholly-owned subsidiary of Central Virginia Electric Cooperative (CVEC), and their proposal for building Fiber-to-the-Premise (FTTP) in Fluvanna (County), Virginia. Our Board frequently discusses the importance of broadband not only to the citizens in our County but also to the entire Region. Such improvements will increase educational opportunities and economic growth in the County. The proposed investment in broadband infrastructure utilizing VATI funds with matching County and RSN funds would greatly improve the opportunities only faster broadband can afford.

As the organization in Fluvanna County whose whole purpose is to support local businesses, I cannot tell you how many times broadband access, (or the lack of it) has come up during meetings with local businesses, prospective businesses and government officials.

Business growth in the region depends on reliable, AFFORDABLE universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening small businesses and creating and retaining jobs in the region. As the President of the Chamber, I can tell you that, next to water, the most critical need for our small businesses in the county is high speed reliable broadband. This initiative will open up countless opportunities for our county residents to become their own small businesses.

We respectfully ask that you consider the application and know we stand in support of their efforts.

Sincerely,

A handwritten signature in black ink that reads "Rudy D. Garcia". The signature is written in a cursive style with a large initial "R".

Rudy Garcia

President, Fluvanna County Chamber of Commerce

September 1, 2021

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

RE: Letter of Support for 2021 VATI Application for Firefly Fiber Broadband<sup>SM</sup>

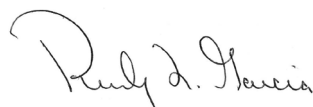
Dear Dr Holmes,

I am writing on behalf of the Fluvanna County Economic Development Authority in support of Firefly Fiber Broadband<sup>SM</sup>, a wholly-owned subsidiary of Central Virginia Electric Cooperative (CVEC), and their proposal for building Fiber-to-the-Premise (FTTP) in Fluvanna (County), Virginia. Our Board frequently discusses the importance of broadband not only to the citizens in our County but also to the entire Region. Such improvements will increase educational opportunities and economic growth in the County. The proposed investment in broadband infrastructure utilizing VATI funds with matching County and RSN funds would greatly improve the opportunities only faster broadband can afford.

On a personal note, I have lived in Fluvanna County for over 20 years and also work with many small businesses on a routine basis in my profession as a Financial Planner and Tax Preparer. Rural counties such as Fluvanna tend to have limited availability to infrastructure such as water and sewer that many larger companies demand. However, there are many other opportunities with smaller businesses that do not require that infrastructure but access to reliable and efficient broadband is non-negotiable. It really is the key to the future success of rural areas in terms of economic growth as well as attracting people to the area to settle and raise their families.

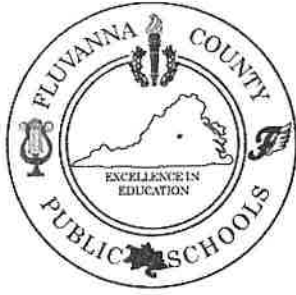
We respectfully ask that you consider the application and know we stand in support of their efforts.

Sincerely,



Rudy Garcia  
Chair  
Fluvanna County Economic Development Authority





## FLUVANNA COUNTY PUBLIC SCHOOLS

### OFFICE OF THE SUPERINTENDENT

14455 JAMES MADISON HIGHWAY  
PALMYRA, VIRGINIA 22963  
(434) 589-8208

August 27, 2021

Central Virginia Electric Cooperative  
Attention: Galen R. Creekmore  
P.O. Box 247  
Lovingson, VA 22949

RE: Letter of Support for 2021 VATI Application for Fluvanna

To Whom It May Concern,

We are writing in support of Firefly Fiber Broadband SM , a wholly-owned subsidiary of Central Virginia Electric Cooperative (CVEC), and their proposal for building Fiber-to-the-Premise (FTTP) in Fluvanna, Virginia. We recognize the importance of broadband to citizens in our County. Additionally, such improvements will increase educational opportunities for our staff and most importantly, our students. Many times, our students are unable to do their homework or research in our County because of our lack of broadband. The schools are unable to connect effectively between the locations thus limiting our ability to offer a broad range of classes to our students. FTTP would also provide economic growth in Fluvanna for all. Their proposed investment in broadband infrastructure utilizing VATI funds along with County matching funds would greatly improve the opportunities only faster broadband can afford. Please consider their application and know we stand in support of their efforts.

Sincerely,

Peter M. Gretz, Ed.D  
Superintendent  
Fluvanna County Public Schools

Rudy Garcia  
Chartered Tax Consultant

434-442-4044  
265 Turkeysag Trail #101 Suite 114B  
Palmyra, VA 22963



September 1, 2021

Gary Wood, CEO  
Firefly Fiber Broadband  
P.O. Box 359  
Lovingston, VA 22949

Dear Mr. Wood:

RWF Financial Tax Services fully supports Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Fluvanna County.

I currently operate a home-based financial and tax services business in rural Fluvanna County. In order to properly serve my clients I use HughesNet Satellite ISP. The cost to me as a small business is over \$250 monthly. Additionally my download/upload speeds hover around 10 down and point5 up. It is literally impossible for me to upload documents to my cloud service provider so I also maintain an office space in the Palmyra District of the county that I use primarily during tax season just to have access to reliable higher speed broadband.

Business growth in the region depends on reliable, AFFORDABLE universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening small businesses and creating and retaining jobs in the region.

RWF Tax Services is delighted to endorse this application in the hope that its successful implementation will bolster my and business growth in Central Virginia.

Sincerely,

A handwritten signature in black ink that reads 'Rudy D. Garcia'.

Rudy Garcia  
Owner  
Rivanna Woods Financial Tax Services



## Goochland County Public Schools

PO Box 169 Goochland, Virginia 23063 | Phone (804) 556-5630

**Jeremy J. Raley, Ed.D., Superintendent**

August 31, 2021

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

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI  
Application

Dear Dr. Holmes,

We are writing in support of Firefly Fiber Broadband<sup>SM</sup>, a wholly-owned subsidiary of Central Virginia Electric Cooperative (CVEC), and their proposal for building Fiber-to-the-Premise (FTTP) in Goochland County, Virginia. We recognize the importance of broadband to citizens in our County. Additionally, such improvements will increase educational opportunities for our staff and most importantly, our students. Many times, our students are unable to do their homework or research in our County because of our lack of broadband. The schools are unable to connect effectively between the locations thus limiting our ability to offer a broad range of classes to our students.

FTTP would also provide economic growth in Goochland County for all. Their proposed investment in broadband infrastructure utilizing VATI funds along with County matching funds would greatly improve the opportunities only faster broadband can afford. Please consider their application and know we stand in support of their efforts.

Sincerely,

Jeremy J. Raley, Ed.D.  
Superintendent

/db

September 01, 2021

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

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes,

I am writing on behalf of the Goochland County Chamber of Commerce in support of Firefly Fiber Broadband<sup>SM</sup>, a wholly-owned subsidiary of Central Virginia Electric Cooperative (CVEC), and their proposal for building Fiber-to-the-Premise (FTTP) in Goochland County, Virginia. The Chamber frequently discusses the importance of broadband for our members and business community both in the County and the entire Region. The proposed investment in broadband infrastructure utilizing Virginia Telecommunication Initiative (VATI) funds with matching County funds would greatly improve opportunities only faster broadband can afford. This project will help level the playing field for our citizens, businesses, and agricultural community with expanded educational opportunities, business expansion & work from home opportunities and increased access to medical assistance information.

On a personal note, I am a longtime resident of Goochland County and also work with many small businesses on a routine basis in my profession as Executive Director of the Goochland County Chamber of Commerce. Rural counties such as Goochland County tend to have limited availability to infrastructure such as water and sewer that many larger companies demand. However, there are many other opportunities with smaller businesses that do not require that infrastructure but access to reliable and efficient broadband is non-negotiable. It really is the key to the future success of rural areas in terms of economic growth as well as attracting people to the area to settle and raise their families.

We respectfully ask that you consider the application and know we stand in support of their efforts.

Sincerely,

A handwritten signature in cursive script that reads "Bonnie D. Creasy". The signature is written in black ink and is positioned above the printed name.

Bonnie D. Creasy

September 01, 2021

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

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes,

I am writing on behalf of the Goochland County Chamber of Commerce in support of Firefly Fiber Broadband<sup>SM</sup>, a wholly-owned subsidiary of Central Virginia Electric Cooperative (CVEC), and their proposal for building Fiber-to-the-Premise (FTTP) in Goochland County, Virginia. The Chamber frequently discusses the importance of broadband for our members and business community both in the County and the entire Region. The proposed investment in broadband infrastructure utilizing Virginia Telecommunication Initiative (VATI) funds with matching County funds would greatly improve opportunities only faster broadband can afford. This project will help level the playing field for our citizens, businesses, and agricultural community with expanded educational opportunities, business expansion & work from home opportunities and increased access to medical assistance information.

On a personal note, I am a longtime resident of Goochland County and also work with many small businesses on a routine basis in my profession as Executive Director of the Goochland County Chamber of Commerce. Rural counties such as Goochland County tend to have limited availability to infrastructure such as water and sewer that many larger companies demand. However, there are many other opportunities with smaller businesses that do not require that infrastructure but access to reliable and efficient broadband is non-negotiable. It really is the key to the future success of rural areas in terms of economic growth as well as attracting people to the area to settle and raise their families.

We respectfully ask that you consider the application and know we stand in support of their efforts.

Sincerely,

A handwritten signature in cursive script that reads "Bonnie D. Creasy". The signature is written in black ink and is positioned above the printed name.

Bonnie D. Creasy





## DEPARTMENT OF ECONOMIC DEVELOPMENT

---

September 1, 2021

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

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

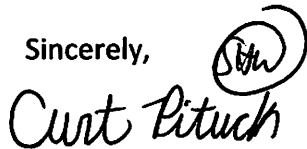
Dear Dr. Holmes,

I am writing on behalf of the Goochland County Economic Development Authority (EDA) in support of Firefly Fiber Broadband<sup>SM</sup>, a wholly-owned subsidiary of Central Virginia Electric Cooperative (CVEC), and their proposal for building Fiber-to-the-Premise (FTTP) in Goochland County, Virginia.

As an EDA, we frequently discuss the importance of broadband to not only the citizens in our County but also the businesses. This project will help level the playing field for our citizens, businesses, and agricultural community with expanded business opportunities, remote work opportunities and increased access to online business services information. The proposed investment in broadband infrastructure utilizing Virginia Telecommunication Initiative (VATI) funds, with matching County funds, would greatly improve opportunities that only faster broadband can provide.

We respectfully ask that you consider the application and please know that we stand in support of their efforts.

Sincerely,



Curt Pituck  
Chair, Goochland County Economic Development Authority

---

Ph: 804.556.5862

2931 River Road West • P.O. Box 103 • Goochland VA 23063

[www.goochlandforbusiness.com](http://www.goochlandforbusiness.com)



STEVEN N. CREASEY  
SHERIFF

OFFICE OF THE SHERIFF  
COUNTY OF GOOCHLAND  
P.O. BOX 29  
GOOCHLAND, VIRGINIA 23063-0029  
FAX (804) 556-6051 (804) 556-5349 TDD (804) 556-5348

MICHAEL A. EAST  
CHIEF DEPUTY

September 9, 2021

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

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes,

I am writing on behalf of the Goochland County Sheriff's Office in support of Firefly Fiber Broadband<sup>SM</sup>, a wholly owned subsidiary of Central Virginia Electric Cooperative (CVEC), and their proposal for building Fiber-to-the-Premise (FTTP) in Goochland County, Virginia.

As Sheriff, I recognize the importance of broadband to not only the citizens and businesses in Goochland County but also my Deputies, who utilize it for education and training. Broadband internet is a valuable component of emergency communications and would aid in delivering real-time information to our citizens during and after emergencies. Additionally, broadband internet plays a critical role in facilitating business and home security monitoring and reporting. The proposed investment in broadband infrastructure utilizing Virginia Telecommunication Initiative (VATI) funds, with matching County funds, would greatly improve the opportunities only faster broadband can afford.

On behalf of the Goochland County Sheriff's Office, I respectfully ask that you consider the application and please know we stand in support of their efforts.

Sincerely,

Steven N. Creasey  
Sheriff  
Goochland County Sheriff's Office



## DEPARTMENT OF ECONOMIC DEVELOPMENT

---

September 1, 2021

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

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

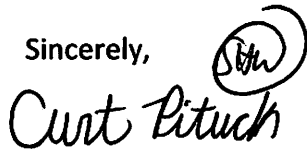
Dear Dr. Holmes,

I am writing on behalf of the Goochland County Economic Development Authority (EDA) in support of Firefly Fiber Broadband<sup>SM</sup>, a wholly-owned subsidiary of Central Virginia Electric Cooperative (CVEC), and their proposal for building Fiber-to-the-Premise (FTTP) in Goochland County, Virginia.

As an EDA, we frequently discuss the importance of broadband to not only the citizens in our County but also the businesses. This project will help level the playing field for our citizens, businesses, and agricultural community with expanded business opportunities, remote work opportunities and increased access to online business services information. The proposed investment in broadband infrastructure utilizing Virginia Telecommunication Initiative (VATI) funds, with matching County funds, would greatly improve opportunities that only faster broadband can provide.

We respectfully ask that you consider the application and please know that we stand in support of their efforts.

Sincerely,



Curt Pituck  
Chair, Goochland County Economic Development Authority

---

Ph: 804.556.5862

2931 River Road West • P.O. Box 103 • Goochland VA 23063

[www.goochlandforbusiness.com](http://www.goochlandforbusiness.com)



Goochland County  
Department of Fire-Rescue & Emergency Services  
PO Box 247 \* Goochland, Virginia 23063  
Phone (804) 556-5304 \* Fax (804) 556-2613

September 10, 2021

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

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes,

I am writing as the Chief of Goochland County Department of Fire-Rescue and Emergency Services in support of Firefly Fiber Broadband<sup>SM</sup>, a wholly owned subsidiary of Central Virginia Electric Cooperative (CVEC), and their proposal for building Fiber-to-the-Premise (FTTP) in Goochland County, Virginia.

As Fire Rescue Chief, I recognize the importance of broadband to not only the citizens in our County but also Fire-Rescue's career and volunteer members who rely on it for education and training. Additionally, broadband internet is a valuable component of emergency preparedness and would aid in delivering real-time information to our citizens during and after emergencies. The proposed investment in broadband infrastructure utilizing Virginia Telecommunication Initiative (VATI) funds, with matching County funds, would greatly improve the opportunities only faster broadband can afford. -

On behalf of Goochland County Fire-Rescue and Emergency Services, I respectfully ask that you consider the application and please know we stand in support of their efforts.

Sincerely,

A handwritten signature in black ink, appearing to read "Dillard E. Ferguson, Jr.", is written over the typed name.

Dillard E. Ferguson, Jr.  
Fire-Rescue Chief  
Goochland County Fire-Rescue and Emergency Services



## Greene County Public Schools

P.O. Box 1140, 40 Celt Road  
Stanardsville, Virginia 22973

Dr. Andrea Whitmarsh  
Superintendent  
Office: 434-939-9000  
Fax: 434-985-4686  
[www.greencountyschools.com](http://www.greencountyschools.com)

---

Every Child \* Every Chance \* Every Day

---

September 10, 2021

Jim Frydl  
Planning Director & Zoning Administrator  
Greene County, Virginia  
40 Celt Road  
Stanardsville, Virginia 22973

Dear Jim:

I am in full support Greene County's application for a Virginia Telecommunication Initiative grant to provide broadband to unserved homes in Greene County. Reliable communication access for everyone is vital to the success of a modern community. Further, lack of access creates an opportunity gap that may exist for a lifetime.

As Superintendent for the Greene County School District I recognize the need for students and teachers to have broadband availability. Broadband is an important tool to help educators, parents and students meet major challenges. The county's economic welfare and long-term success depend on improving learning for all students, and broadband-enabled solutions hold tremendous promise to help reverse patterns of low achievement. With broadband, students and teachers can expand instruction beyond the confines of the physical classroom and traditional school day. Broadband can also provide more customized learning opportunities for students to access high-quality, low-cost and personally relevant educational material. Broadband can improve the flow of educational information, allowing teachers, parents and organizations to make better decisions tied to each student's needs and abilities. Improved information flow can also make educational product and service markets more competitive by allowing school districts and other organizations to develop or purchase higher-quality educational products and services.

At Greene County Public Schools, our mission is to "Engage all students through learning that is innovative, personalized, and relevant". To accomplish this goal, all of our students require equal access to reliable communications. I strongly support the application in order to make sure every child In Greene has an equal opportunity to reach their full potential.

Sincerely,



Andrea E Whitmarsh, EdD  
Superintendent of Schools

AEW:dlc



# GREENE COUNTY OFFICE OF EMERGENCY SERVICES

Melissa G. Meador  
Director  
434-985-5232 Office  
434-985-3705 Fax  
Email: mmeador@gcva.us



Fire-Rescue  
Emergency Management  
Hazardous Materials  
40 Celt Road  
Stanardsville, VA 22973

September 10, 2021

Mr. James F. Frydl  
Greene County Planning Director  
40 Celt Road  
Stanardsville, VA 22973

Dear Mr. Frydl,

I am writing in my capacity as the Emergency Services Director for the County of Greene, Virginia to fully endorse and strongly support the grant proposal submitted by our locality to the Virginia Telecommunication Initiative.

Greene County has begun improving public safety and the safety of its emergency responders by planning an upgrade of our entire public safety radio system. This upgrade is designed to provide mission critical voice communications.

A dedicated public safety network would provide mobile access to large amounts of information in a secure method and would have the capability of adapting to new, everchanging technology using a method already familiar to today's first responders. A dedicated, secure network can provide an additional method of communication to serve as a back-up to the radio system that would have the capability of extending beyond the boundaries of the radio system coverage area. The network can provide regional, statewide, and national interoperability far beyond the capabilities of the radio system utilizing a more economical method.

The ability to send and receive large amounts of data is necessary for acquiring licensing data, vehicle registrations, wanted persons files, commercial business storage and floor plans, and many more uses not supported by the radio system.

The Greene County Office of Emergency Services firmly believes this opportunity is unique and has the potential to enhance our overall public safety goals and objectives. Any initiative that can benefit our public safety agencies and our community is welcomed. If awarded, the project may become the initial groundwork for our community to develop a dedicated, secure network to our public safety radio system that would other-wise go unfunded.

*Greene County is an inclusive community where citizens and businesses benefit from a diversified economy, quality public services and a superior quality of life*

On behalf of all public safety entities within Greene County, we appreciate your efforts regarding the proposal.

If you have any questions, concerns or require additional information, please feel free to contact me directly at (434) 985-5232.

Sincerely,

A handwritten signature in black ink that reads "Melissa G. Meador". The signature is written in a cursive style with a large, stylized 'M' and 'G'.

**Melissa G. Meador**  
**Emergency Services Director**

###



PLANNING COMMISSION

BOARD OF ZONING APPEALS

GREENE COUNTY PLANNING DEPARTMENT  
Post Office Box 358  
Stanardsville, Virginia 22973

Tel: 434-985-5282  
Fax: 434-985-1459

Website: [www.gcva.us](http://www.gcva.us)  
Email: [planning@gcva.us](mailto:planning@gcva.us)

Jim Frydl  
Greene County  
Broadband Committee  
40 Celt Rd  
Stanardsville, VA 22973

I am writing to support Greene County's application for a Virginia Telecommunication Initiative grant to provide broadband to unserved areas in Greene County. Reliable communications and access to high speed data are increasingly important for a modern, vibrant, successful community.

The Greene County Board of Supervisors believes that broadband is needed to support economic growth and education in an increasingly digitally connected world. Broadband is an important tool to help educators, students, health care providers, and small businesses meet the challenges of the 21<sup>st</sup> century. The county's economic welfare and long-term success depends on supporting business and entrepreneurial growth and broadband-enabled solutions hold tremendous promise in creating market access and new business opportunities. With broadband, students, teachers, health care providers and businesses can expand well beyond the confines of their physical location. Broadband can improve the flow of information, allowing employees and students to work and learn from home, making them more efficient while helping businesses to be more competitive.

Greene County has challenging terrain, which leaves many areas unserved. Greene has a strong tourism industry and is ideal for defense contractors and medical and health providers. Expanding broadband will provide opportunity that currently does not exist. I strongly support the application for the VATI grant.

Sincerely,

Bill Martin

Chairman, Greene County Board of Supervisors



September 10, 2021

To Whom It May Concern:

Please accept this letter as my full support for Greene County's Virginia Telecommunications Initiative grant request for unserved homes to access broadband.

Reliable and reasonable access rates are essential for a thriving community and a solid economic base. As Director of Economic Development and Tourism, I see on a daily basis the need to bring broadband to all parts of the county. Home businesses, individuals that telecommute, and rural businesses struggle to meet their communications needs. This hampers economic growth as potential businesses are not created or choose to locate in another community with broadband.

As a former educator and resident of the community, I see how the lack of broadband has put our students at a great disadvantage when they cannot access the internet. Not only does this impact our community on a personal note, it deters students from integrating into our community after graduating from public education, creating a great loss in potential entrepreneurs that could enhance our community.

Considering the economic impact on our community, I greatly appreciate your consideration for Greene's grant application. By awarding the grant, you will be investing in a community with great potential.

Most Sincerely,

A handwritten signature in black ink, appearing to read "Alan E. Yost", is written over a faint, larger version of the same signature.

Alan E. Yost  
Director of Economic Development and Tourism

Greene County Economic Development & Tourism  
Greene County Visitor Center  
8315 Seminole Trail, Ruckersville, VA 22968  
Phone: (434) 985-6663  
[www.exploregreene.com](http://www.exploregreene.com)



674 Hillside Drive Suite 9, Charlottesville VA 22901  
Phone: (434) 817-5222 Fax: (434)817-5230 www.jabacares.org

**JABA, Inc.**  
**BOARD OF DIRECTORS**

September 10, 2021

**Albemarle County**

Sue Friedman  
Dr. Richard Lindsay  
Jerrod Smith  
Cameron Mowat

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Ste 300  
Richmond, VA 23219

**City of Charlottesville**

Richard Brugh, *Treasurer*  
Heather Hill  
Brian Jackson  
Elayne Phillips

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes:

**Fluvanna County**

Paul Bevins  
Mozell Booker, *Vice-Chair*

JABA (Jefferson Area Board for Aging) fully supports Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Nelson County.

**Greene County**

Pete Costigan  
Robert Murphy

Isolation for seniors can result in decreases in physical, cognitive and emotional health. This was observed particularly during COVID. Access to the outside world, through broadband, is a significant combatant to isolation. So many seniors in Nelson County do not have access to broadband, and therefore are restricted to phone as their source of connection, when physical distancing is important for their health (to avoid transmission of COVID).

**Louisa County**

Willie L. Gentry Jr.  
Frank Grosch

It is also important to recognize that business growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening small businesses and creating and retaining jobs in the region. This also has an impact on seniors, keeping businesses for them to visit nearby, and keeping family who can provide support nearby.

**Nelson County**

Dana E. Quillen  
Ernie Reed

JABA is delighted to endorse this application in the hope that its successful implementation will bolster business growth, and personal connection for all citizens in Central Virginia.

**At-Large Members**

Tod Allen  
Rod Gentry  
M. E. "Dick" Gibson, Jr., *Chair*  
Johnsa Greene-Morris  
Christina Lester  
Jeanne McCusker  
Diantha McKeel  
J. W. "Rick" Richmond, Jr.  
Margaret Short, *Secretary*

Sincerely,

**Chief Executive Officer**

Marta Keane

**Chief Financial Officer**

Larry Paxton

**Director of Philanthropy &  
Communications**

Kim Peel

Marta M. Keane  
Chief Executive Officer





August 31, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Ste 300  
Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes:

Jefferson-Madison Regional Library (JMRL) fully supports Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Albemarle County.

Growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening small businesses and creating and retaining jobs in the region. JMRL sees the impact of a lack of broadband in Charlottesville, Albemarle, Greene, Louisa, and Nelson on a daily basis as people seek access to meet their educational and job-seeking needs in library branches.

JMRL is delighted to endorse this application in the hope that its successful implementation will bolster educational opportunities for all ages in Central Virginia.

Sincerely,

A handwritten signature in black ink, appearing to read 'David Plunkett', is written over a light blue horizontal line.

David Plunkett  
Library Director  
JMRL

September 9, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Ste 300  
Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes:

Little Hat Creek Farm fully supports Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Nelson County.

In the eight years of our business, the lack of internet has been a constant frustration and barrier. We currently have the most expensive business satellite service available, at an astronomical \$250/month, but it still fails whenever it rains. In good weather, the service supports the now essential Zoom meetings about 70% of the time. Since the beginning of the pandemic, our business has needed to rely heavily on digital sales, which has meant extra time and anxiety traveling to better internet.

Business growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening small businesses and creating and retaining jobs in the region.

Little Hat Creek Farm is delighted to endorse this application in the hope that its successful implementation will bolster my and business growth in Central Virginia.

Sincerely,



Heather Coiner

Co-owner

Little Hat Creek Farm

163 Shaeffers Hollow Lane, Roseland, VA 22967

littlehatcreek.com



Madison County Economic Development and Tourism Dept  
110 N Main St.  
Madison, VA 22727  
540-948-7500 Ext. 169  
[tgardner@madisonco.virginia.gov](mailto:tgardner@madisonco.virginia.gov)

September 10, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Ste 300  
Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes,

I am writing on behalf of the Madison Economic Development & Tourism Department in support of Firefly Fiber Broadband<sup>SM</sup>, a wholly-owned subsidiary of Central Virginia Electric Cooperative (CVEC), and their proposal for building Fiber-to-the-Premise (FTTP) in Madison County, Virginia. Our Board frequently discusses the importance of broadband not only to the citizens in our County but also to the entire Region. Such improvements will increase educational opportunities and economic growth in the County. The proposed investment in broadband infrastructure utilizing VATI funds with matching County funds would greatly improve the opportunities only faster broadband can afford.

On a personal note, I am a lifetime resident of Madison County and also work with many small businesses on a routine basis in my profession as the Director for Economic Development as well as the Executive Director of the Madison Chamber of Commerce. Rural counties such as Madison) tend to have limited availability to infrastructure such as water and sewer that many larger companies demand. However, there are many other opportunities with smaller businesses that do not require that infrastructure but access to reliable and efficient broadband is non-negotiable. It

really is the key to the future success of rural areas in terms of economic growth as well as attracting people to the area to settle and raise their families.

We respectfully ask that you consider the application and know we stand in support of their efforts.

Sincerely,

A handwritten signature in black ink, appearing to read "Tracey Gardner". The signature is fluid and cursive, with a large initial 'T' and 'G'.

Tracey Gardner  
Economic Development and Tourism Director  
[madisonva.com](http://madisonva.com)  
[madisonco.virginia.gov](http://madisonco.virginia.gov)





**NELSON COUNTY  
COMMUNITY DEVELOPMENT FOUNDATION  
POST OFFICE BOX 57  
LOVINGSTON, VA 22949  
(434) 263-8074**

September 9, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Ste 300  
Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes:

The Nelson County Community Development Foundation (NCCDF) and The Nelson Center fully supports Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Nelson County.

In serving the housing needs of Nelson County, we are well aware of the difficulties families have educating their children and having basic necessary services that internet connectivity brings. As Managers of The Nelson Center, our tenants are significant users of broadband and also rely on this for their business success.

Business growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening small businesses and creating and retaining jobs in the region.

NCCDF and The Nelson Center are happy to endorse this application in the hope that its successful implementation will bolster access to internet in Central Virginia.

Sincerely,

Margaret Clair  
Executive Director, NCCDF  
Manager, The Nelson Center



9 September 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Suite 300  
Richmond, Virginia 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

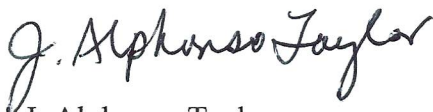
Dear Dr. Holmes,

I am writing on behalf of the Nelson County Economic Development Authority in support of Firefly Fiber Broadband<sup>SM</sup>, a wholly-owned subsidiary of Central Virginia Electric Cooperative (CVEC), and their proposal for building Fiber-to-the-Premise (FTTP) in Nelson (County), Virginia. Our Board frequently discusses the importance of broadband not only to the citizens in our County but also to the entire Region. Such improvements will increase educational opportunities and economic growth in the County. The proposed investment in broadband infrastructure utilizing VATI funds with matching County funds would greatly improve the opportunities only faster broadband can afford.

On a personal note, I am a lifetime resident of Nelson County and also work with many small businesses on a routine basis as a member of the Economic Development Authority. Rural counties such as Nelson County tend to have limited availability to infrastructure such as water and sewer that many larger companies demand. However, there are many other opportunities with smaller businesses that do not require that infrastructure but access to reliable and efficient broadband is non-negotiable. It really is the key to the future success of rural areas in terms of economic growth as well as attracting people to the area to settle and raise their families.

We respectfully ask that you consider the application and know we stand in support of their efforts.

Sincerely,



J. Alphonso Taylor  
Chairman, Nelson County Economic Development Authority

Dr. Tamarah Holmes

Office of Broadband

600 East Main Street, Ste 300

Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes:

Franklin Knox Photography fully supports Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Nelson County.

Advertising and delivery of our products depend heavily on clients and potential clients having equitable access to a public internet utility.

Business growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening small businesses and creating and retaining jobs in the region.

Franklin Knox Photography is delighted to endorse this application in the hope that its successful implementation will bolster my and business growth in Central Virginia.

Sincerely,

Franklin Knox,

Owner

September 29, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Ste 300  
Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes:

Grace's Place Petite Retreats fully supports Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Nelson County.

Business growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening small businesses and creating and retaining jobs in the region.

Grace's Place Petite Retreats is delighted to endorse this application in the hope that its successful implementation will bolster my and business growth in Central Virginia.

Sincerely,

Jack & Tracy Buni

Owners

Grace's Place Petite Retreats



## Nelson County Public Schools

84 Courthouse Square

P. O. Box 276

Lovington, Va. 22949

Telephone (434) 260-7646 ~ Fax (434) 263-7115

[www.nelson.k12.va.us](http://www.nelson.k12.va.us)

**Martha J. Eagle, Ed. D.**  
Division Superintendent

September 9, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Ste 300  
Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes,

We are writing in support of Firefly Fiber Broadband<sup>SM</sup>, a wholly-owned subsidiary of Central Virginia Electric Cooperative (CVEC), and their proposal for building Fiber-to-the-Premise (FTTP) in Nelson (County), Virginia. We recognize the importance of broadband to citizens in our County. Additionally, such improvements will increase educational opportunities for our staff and most importantly, our students. Many times, our students are unable to complete their homework or class projects in our County because of our lack of broadband. Improving the community quality of life by providing greater broadband access for our families would enhance our educational services.

FTTP would also provide economic growth in Nelson (county) for all. Their proposed investment in broadband infrastructure utilizing VATI funds along with County matching funds would greatly improve the opportunities only faster broadband can afford. Please consider their application and know we stand in support of their efforts.

Sincerely,

*Martha J. Eagle*

Martha J. Eagle, Ed.D.

Division Superintendent

Date: September 9, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Ste 300  
Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes:

Tatarka Enterprises, Inc. fully supports Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Nelson County.

Business growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening small businesses and creating and retaining jobs in the region.

Tatarka Enterprises, Inc. is delighted to endorse this application in the hope that its successful implementation will bolster my and business growth in Central Virginia.

Sincerely,



Dan Tatarka

President

Tatarka Enterprises, Inc. DBA WildManDan





## Powhatan County

3834 Old Buckingham Road  
Powhatan, VA 23139

September 2, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Ste 300  
Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes,

I am writing on behalf of the Powhatan County Economic Development Authority in support of Firefly Fiber Broadband<sup>SM</sup>, a wholly owned subsidiary of Central Virginia Electric Cooperative (CVEC), and their proposal for building Fiber-to-the-Premise (FTTP) in Powhatan, Virginia. Our Board frequently discusses the importance of broadband not only to the citizens in our County but also to the entire Region. Such improvements will increase educational opportunities and economic growth in the County. The proposed investment in broadband infrastructure utilizing VATI funds with matching County funds would greatly improve the opportunities only faster broadband can afford.

As a County Administrator I see the challenges that small businesses deal with daily, with limited or no access to broadband. Rural counties such as Powhatan County tend to have limited availability to infrastructure such as water and sewer that many larger companies demand. However, there are many other opportunities with smaller businesses that do not require that infrastructure but access to reliable and efficient broadband is non-negotiable. It really is the key to the future success of rural areas in terms of economic growth as well as attracting people to the area to settle and raise their families

We respectfully ask that you consider the application and know we stand in support of their efforts.

Sincerely,

Ned Smither  
County Administrator



## Powhatan County

3834 Old Buckingham Road  
Powhatan, VA 23139

September 7, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Ste 300  
Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes,

We are writing in support of Firefly Fiber Broadband<sup>SM</sup>, a wholly owned subsidiary of Central Virginia Electric Cooperative (CVEC), and their proposal for building Fiber-to-the-Premise (FTTP) in Powhatan County, Virginia. We recognize the importance of broadband to citizens in our County. Additionally, the internet is a valuable component of emergency preparedness and would aid in delivering real-time information to our citizens during and after emergencies. Their proposed investment in broadband infrastructure utilizing VATI funds with matching County funds would greatly improve the opportunities only faster broadband can afford. Please consider their application and know we stand in support of their efforts.

Sincerely,



Phil Warner  
Fire-Rescue Chief





# POWHATAN COUNTY PUBLIC SCHOOLS

Inspiring · Empowering · Innovating

*Powhatan County Public Schools prepares students to thrive in a global community.*

September 7, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Ste 300  
Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes,

We are writing in support of Firefly Fiber Broadband, a wholly-owned subsidiary of Central Virginia Electric Cooperative (CVEC), and their proposal for building Fiber-to-the-Premise (FTTP) in Powhatan County, Virginia. We recognize the importance of broadband to citizens in our County. Additionally, such improvements will increase educational opportunities for our staff and most importantly, our students. Many times, our students are unable to do their homework or research in our County because of our lack of broadband. The schools are unable to connect effectively between the locations thus limiting our ability to offer a broad range of classes to our students.

FTTP would also provide economic growth in Powhatan County for all. Their proposed investment in broadband infrastructure utilizing VATI funds along with County matching funds would greatly improve the opportunities only faster broadband can afford. Please consider their application and know we stand in support of their efforts.

Sincerely,

Eric L. Jones, Ph.D.  
Division Superintendent

**Pocahontas Landmark Center**

4290 Anderson Highway · Powhatan, Virginia 23139 · 804-598-5700 · [www.powhatan.k12.va.us](http://www.powhatan.k12.va.us)  
Division Superintendent · Eric L. Jones, Ph.D.

September 2, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Ste 300  
Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes:

As a Powhatan business, we fully support Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Powhatan County.

Business growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening small businesses and creating and retaining jobs in the region.

We are delighted to endorse this application in the hope that its successful implementation will bolster my and business growth in Central Virginia.

Sincerely,



Name ROBERT PERKINS

Title PRESIDENT

Business DIVERSIFIED ELECTRICAL  
SERVICES INC.

September 3, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Ste 300  
Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes:

As a Powhatan business, we fully support Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Powhatan County.

Business growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening small businesses and creating and retaining jobs in the region.

Fairview Farm Events, is a family-owned 100 plus year-old farm estate in western Powhatan and we have transformed our farm over the last nine years into a large wedding and event venue that attracts couples, families and friends from all over the nation and beyond.

We want to share with you the issues we have had not having broad band in bullet format:

- The most significant crisis we experienced was when my husband had a hemorrhagic stroke, March 19, 2019 and instead of being sent to Powhatan 911; we were sent to Cumberland and it cost precious time getting him transported to Johnston Willis.
- As a business; not having internet access is frightening, based on our own personal experience, as we have on average 125 guests every weekend for weddings and unreliable 911 service could cost lives.
- Guests of the property have to rely on hot spots and can't stream weddings to family who can't attend due to Covid, etc. It has cost booking weddings because we don't have reliable internet service.
- We are unable to appeal to corporate clients for "retreats" due to lack of quality internet service. Since Powhatan doesn't have a hotel nearby, we are charged a 5% lodging fee for our guests and are not able to provide them with the same internet service they would have elsewhere.
- My son was given property by us and hoped to help our business. He was unable to build here because he is a security analyst and we have sub-standard internet. His wife is a photographer and can't upload photos for clients. Since my husband had a stroke; my



son would have been instrumental to the success of our business and was unable to assist us grow the business.

- As a business, I am often unable to upload significant photos to couples who are interested in reserving the venue which results in bookings not happening.
- My daughter built on our property and has to go elsewhere to access internet for herself and now for her young daughter who has started Kindergarten in the event we go virtual again.

Feel free to visit our website at [www.fairviewfarmevents.com](http://www.fairviewfarmevents.com), where we may have up to 50 guests stay on property for a weekend at our four properties. We often receive complaints because they want to use the internet to contact people, stream their wedding to those who can't attend as well as play video games as a source of entertainment for weekend guests. Televisions will often freeze because cable is virtually not existent due to lack of internet.

We are delighted to endorse this application in the hope that its successful implementation will bolster our business growth in Central Virginia.

Sincerely,

Debora and Blanton Gordon

Owners

Fairview Farm Events, LLC

## Roxanne Salerno

---

**From:** Debora Gordon <fairviewfarmevents@yahoo.com>  
**Sent:** Friday, September 3, 2021 2:59 PM  
**To:** Roxanne Salerno  
**Subject:** Re: Response Requested: Powhatan Broadband Support Request for Businesses  
**Attachments:** Broadband Powhatan Business Support Letter\_9.2.2021.docx

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Hi Roxanne,

We have lots of reasons as a business owner and residents of the community to be in favor of Broadband and appreciate you providing the template for the letter.

We hope this helps.

All the best,

***Debora Gordon***

*Fairview Farm Events*

*#1 Rustic Chic Farm Venue In Virginia*

*804-492-4972*

[www.Fairviewfarmevents.com](http://www.Fairviewfarmevents.com)

[www.TheKnot.com](http://www.TheKnot.com)

**Awarded "Best of Weddings" sites from 2017-2021 by The Knot for being in the top 5% of wedding venues in the nation and 2021 The Knot Hall of Fame.**

[www.Weddingwire.com](http://www.Weddingwire.com)

Voted "Couple's Choice Award Winner" for 2014-2020 for being in the top 5% venues in the nation.

Voted "Editor's Choice Award Winner" for top barn venues.

Voted "Best Barn/Farm Wedding Venue" by Richmond Bride Magazine A List for 2016-2019.

ADA approved, licensed and insured Central VA Barn Estate.

<https://www.facebook.com/fairviewfarmevents>

<https://www.pinterest.com/FairviewfarmVa/>

Matthew J. Strickler  
*Secretary of Natural Resources*

Clyde E. Cristman  
*Director*



Rochelle Altholz  
*Deputy Director of  
Administration and Finance*

Russell W. Baxter  
*Deputy Director of  
Dam Safety & Floodplain  
Management and Soil & Water  
Conservation*

Thomas L. Smith  
*Deputy Director of Operations*

**COMMONWEALTH of VIRGINIA**  
DEPARTMENT OF CONSERVATION AND RECREATION

September 2, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Ste 300  
Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes:

As a Powhatan business and state agency, we fully support Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Powhatan County.

Business growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening small businesses and creating and retaining jobs in the region.

We are delighted to endorse this application in the hope that its successful implementation will bolster my and business growth in Central Virginia.

Sincerely,

Steven M. O'Quinn  
Park Manager  
Powhatan State Park  
804-598-7148

## Roxanne Salerno

---

**From:** O'Quinn, Matthew <matthew.oquinn@dcr.virginia.gov>  
**Sent:** Friday, September 3, 2021 1:10 PM  
**To:** Roxanne Salerno  
**Cc:** Daniel Gugliocciello; Henderson, Lucas; Shannon Bruce  
**Subject:** Re: Response Requested: Powhatan Broadband Support Request for Businesses  
**Attachments:** PWSP(SupportLetter).pdf

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Please find the attached letter of support from Powhatan State Park. Our park continues to contribute to the economic development of our county, and presently that ability is hindered by the lack of quality connectivity in this area of the county. Increased broadband will allow an increase in point of sale activity and tax generation. Furthermore, as a matter of public safety, the lack of broadband at our park makes it difficult to communicate with park visitors and conduct business at a level that is expected from a major state park. I wholeheartedly support this important initiative.

Matt O'Quinn  
Park Manager

On Fri, Sep 3, 2021 at 10:29 AM Roxanne Salerno <[rsalerno@powhatanva.gov](mailto:rsalerno@powhatanva.gov)> wrote:

Dear Powhatan Businesses,

As Powhatan County continues their progress on getting broadband to the unserved areas of the County through Firefly Fiber Broadband, we are looking to those businesses that are affected by lack of service to express their endorsement of the application for grant funding to complete this project. Attached is a business support letter that can be amended to include your name, title and business if you wouldn't mind showing your continued support for this initiative.

Additionally, if you have a unique story to tell, or a message on how lack of broadband has effected your business and/or how this project will positively affect the business, please feel free to include that in your email response.

We appreciate your support of the County in this project to close the gap for citizens, students and business in accessing broadband!

Previous Business Broadband Support Letters on File



**ReConnect Program: Pre-subscription Form for Other Businesses**

**Firefly Fiber Broadband** is applying for funding from the U.S. Department of Agriculture's ReConnect Program. If successful, this funding will allow **Firefly Fiber Broadband** to bring broadband service to your location. If you are interested in receiving broadband service, please share your responses to the questions below.

Question	Answer
1. What communications services are you currently using? Select all that apply.	<input type="checkbox"/> Internet <input checked="" type="checkbox"/> Landline Phone <input checked="" type="checkbox"/> Cell Phone <input type="checkbox"/> Video <input type="checkbox"/> Other (specify)
2. Approximately how much do you pay per month for each of the services that you use?	\$ <u>50</u> Internet    \$ <u>100</u> Landline Phone    \$ <u>    </u> Cell Phone \$ <u>    </u> Video    \$ <u>    </u> Other (specify)
3. What is the broadband speed that you currently are receiving with your Internet service?	<input type="checkbox"/> None <input type="checkbox"/> < 10 Mbps downstream <input type="checkbox"/> < 25 Mbps downstream, but at least 10 Mbps downstream <input checked="" type="checkbox"/> < 100 Mbps downstream, but at least 25 Mbps downstream <input type="checkbox"/> 100 Mbps downstream or above <input type="checkbox"/> I don't know
4. What broadband speed would you need to meet your business needs?	<input type="checkbox"/> < 10 Mbps downstream <input type="checkbox"/> < 25 Mbps downstream, but at least 10 Mbps downstream <input type="checkbox"/> < 100 Mbps downstream, but at least 25 Mbps downstream <input checked="" type="checkbox"/> 100 Mbps downstream or above <input type="checkbox"/> I don't know
5. Are you interested in receiving broadband service from <b>Firefly Fiber Broadband</b> ?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6. How would you like us to let you know when service will be available?	<input checked="" type="checkbox"/> Email <input checked="" type="checkbox"/> Phone call <input type="checkbox"/> Mailer

\*This Pre-subscription form is not a binding commitment made by Firefly Fiber Broadband.

**Respondent Contact Information**

Owner Name: <i>LARRY + Jean Daniel</i>	Phone Number: <i>804 598 2470</i>
Other Business Name: <i>COZY ACRES Camp Ground</i>	Email Address: <i>COZYACRESComp@AOL.com</i>
	Address: <i>2177 Ridge Rd</i>
	City, State, Zip Code: <i>Pocahontas VA 23139</i>

Respondent Signature: *C. Scott Daniel* Date: *3/11/20*

## ReConnect Program: Pre-subscription Form for Other Businesses

**Firefly Fiber Broadband** is applying for funding from the U.S. Department of Agriculture's ReConnect Program. If successful, this funding will allow **Firefly Fiber Broadband** to bring broadband service to your location. If you are interested in receiving broadband service, please share your responses to the questions below.

Question	Answer
1. What communications services are you currently using? Select all that apply.	<input checked="" type="checkbox"/> Internet <input checked="" type="checkbox"/> Landline Phone <input checked="" type="checkbox"/> Cell Phone <input type="checkbox"/> Video <input type="checkbox"/> Other (specify)
2. Approximately how much do you pay per month for each of the services that you use?	\$ <u>100</u> Internet    \$ <u>30</u> Landline Phone    \$ <u>150</u> Cell Phone \$ _____ Video    \$ _____ Other (specify)
3. What is the broadband speed that you currently are receiving with your Internet service?	<input type="checkbox"/> None <input type="checkbox"/> < 10 Mbps downstream <input type="checkbox"/> < 25 Mbps downstream, but at least 10 Mbps downstream <input type="checkbox"/> < 100 Mbps downstream, but at least 25 Mbps downstream <input type="checkbox"/> 100 Mbps downstream or above <input checked="" type="checkbox"/> I don't know
4. What broadband speed would you need to meet your business needs?	<input type="checkbox"/> < 10 Mbps downstream <input type="checkbox"/> < 25 Mbps downstream, but at least 10 Mbps downstream <input type="checkbox"/> < 100 Mbps downstream, but at least 25 Mbps downstream <input type="checkbox"/> 100 Mbps downstream or above <input checked="" type="checkbox"/> I don't know
5. Are you interested in receiving broadband service from <b>Firefly Fiber Broadband</b> ?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6. How would you like us to let you know when service will be available?	<input checked="" type="checkbox"/> Email <input type="checkbox"/> Phone call <input type="checkbox"/> Mailer

\*This Pre-subscription form is not a binding commitment made by **Firefly Fiber Broadband**.

### Respondent Contact Information

Owner Name: <u>John Carmack</u>	Phone Number: <u>804-928-8167</u>
	Email Address: <u>Carmack7709@gmail.com</u>
Other Business Name: <u>Emergency Solutions Plus</u>	Address: <u>4111 Old River Trail</u>
	City, State, Zip Code: <u>Powhatan, VA 25139</u>

Respondent Signature: J Carmack

Date: 3/4/20



## ReConnect Program: Pre-subscription Form for Other Businesses

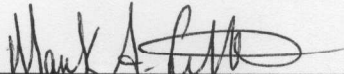
**Firefly Fiber Broadband** is applying for funding from the U.S. Department of Agriculture's ReConnect Program. If successful, this funding will allow **Firefly Fiber Broadband** to bring broadband service to your location. If you are interested in receiving broadband service, please share your responses to the questions below.

Question	Answer
1. What communications services are you currently using? Select all that apply.	<input type="checkbox"/> Internet <input checked="" type="checkbox"/> Landline Phone <input checked="" type="checkbox"/> Cell Phone <input type="checkbox"/> Video <input checked="" type="checkbox"/> Other (specify) <u>HUGHES NET DIRECTV</u>
2. Approximately how much do you pay per month for each of the services that you use?	\$ <input type="checkbox"/> Internet    \$ <u>50</u> Landline Phone    \$ <u>325<sup>00</sup></u> Cell Phone \$ <input type="checkbox"/> Video    \$ <input type="checkbox"/> Other (specify) <u>HUGHES NET - 65<sup>00</sup> DIRECTV - 130<sup>00</sup></u>
3. What is the broadband speed that you currently are receiving with your Internet service?	<input type="checkbox"/> None <input type="checkbox"/> < 10 Mbps downstream <input type="checkbox"/> < 25 Mbps downstream, but at least 10 Mbps downstream <input type="checkbox"/> < 100 Mbps downstream, but at least 25 Mbps downstream <input type="checkbox"/> 100 Mbps downstream or above <input checked="" type="checkbox"/> I don't know
4. What broadband speed would you need to meet your business needs?	<input type="checkbox"/> < 10 Mbps downstream <input type="checkbox"/> < 25 Mbps downstream, but at least 10 Mbps downstream <input type="checkbox"/> < 100 Mbps downstream, but at least 25 Mbps downstream <input type="checkbox"/> 100 Mbps downstream or above <input checked="" type="checkbox"/> I don't know
5. Are you interested in receiving broadband service from <b>Firefly Fiber Broadband</b> ?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6. How would you like us to let you know when service will be available?	<input checked="" type="checkbox"/> Email <input type="checkbox"/> Phone call <input type="checkbox"/> Mailer

\*This Pre-subscription form is not a binding commitment made by **Firefly Fiber Broadband**.

### Respondent Contact Information

Owner Name: <u>MARK A. LITTLE</u>	Phone Number: <u>804.513.5062</u>
Other Business Name: <u>LITTLE MECHANICAL SERVICES, LLC</u>	Email Address: <u>littlemechanical@gmail.com</u>
	Address: <u>6508 BLEUHEIM ROAD</u>
	City, State, Zip Code: <u>POWELLTOWN, VA 23139</u>

Respondent Signature: 

Date: 10 MARCH 20

## ReConnect Program: Pre-subscription Form for Other Businesses

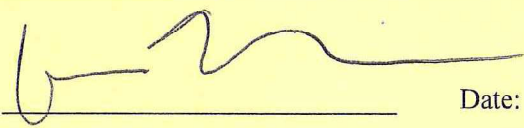
**Firefly Fiber Broadband** is applying for funding from the U.S. Department of Agriculture's ReConnect Program. If successful, this funding will allow **Firefly Fiber Broadband** to bring broadband service to your location. If you are interested in receiving broadband service, please share your responses to the questions below.

Question	Answer
1. What communications services are you currently using? Select all that apply.	<input checked="" type="checkbox"/> Internet <input checked="" type="checkbox"/> Landline Phone <input type="checkbox"/> Cell Phone <input type="checkbox"/> Video <input type="checkbox"/> Other (specify)
2. Approximately how much do you pay per month for each of the services that you use?	\$ <u>300</u> Internet    \$ <u>    </u> Landline Phone    \$ <u>    </u> Cell Phone \$ <u>    </u> Video    \$ <u>    </u> Other (specify) <u>Phone thru internet \$ 700 per month</u>
3. What is the broadband speed that you currently are receiving with your Internet service?	<input type="checkbox"/> None <input type="checkbox"/> < 10 Mbps downstream <input type="checkbox"/> < 25 Mbps downstream, but at least 10 Mbps downstream <input type="checkbox"/> < 100 Mbps downstream, but at least 25 Mbps downstream <input type="checkbox"/> 100 Mbps downstream or above <input checked="" type="checkbox"/> I don't know
4. What broadband speed would you need to meet your business needs?	<input type="checkbox"/> < 10 Mbps downstream <input type="checkbox"/> < 25 Mbps downstream, but at least 10 Mbps downstream <input type="checkbox"/> < 100 Mbps downstream, but at least 25 Mbps downstream <input type="checkbox"/> 100 Mbps downstream or above <input checked="" type="checkbox"/> I don't know
5. Are you interested in receiving broadband service from <b>Firefly Fiber Broadband</b> ?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6. How would you like us to let you know when service will be available?	<input checked="" type="checkbox"/> Email <input type="checkbox"/> Phone call <input type="checkbox"/> Mailer

\*This Pre-subscription form is not a binding commitment made by **Firefly Fiber Broadband**.

### Respondent Contact Information

Owner Name: <u>William Moslow</u>	Phone Number: <u>804-598-5579</u>
	Email Address: <u>bmoslow@moslowwood.com</u>
Other Business Name: <u>Moslow Wood Products</u>	Address: <u>3450 maidens Rd</u>
	City, State, Zip Code: <u>Powhatan VA 23139</u>

Respondent Signature:  Date: 3/4/20



## ReConnect Program: Pre-subscription Form for Other Businesses


**Firefly Fiber Broadband** \_\_\_\_\_ is applying for funding from the U.S. Department of Agriculture's ReConnect Program. If successful, this funding will allow **Firefly Fiber Broadband** \_\_\_\_\_ to bring broadband service to your location. If you are interested in receiving broadband service, please share your responses to the questions below.

Question	Answer
1. What communications services are you currently using? Select all that apply.	<input checked="" type="checkbox"/> Internet <input checked="" type="checkbox"/> Landline Phone <input type="checkbox"/> Cell Phone <input type="checkbox"/> Video <input type="checkbox"/> Other (specify)
2. Approximately how much do you pay per month for each of the services that you use?	\$ <u>150</u> Internet    \$ <u>150</u> Landline Phone    \$ _____ Cell Phone \$ _____ Video    \$ _____ Other (specify)
3. What is the broadband speed that you currently are receiving with your Internet service?	<input type="checkbox"/> None <input checked="" type="checkbox"/> < 10 Mbps downstream <input type="checkbox"/> < 25 Mbps downstream, but at least 10 Mbps downstream <input type="checkbox"/> < 100 Mbps downstream, but at least 25 Mbps downstream <input type="checkbox"/> 100 Mbps downstream or above <input type="checkbox"/> I don't know
4. What broadband speed would you need to meet your business needs?	<input type="checkbox"/> < 10 Mbps downstream <input type="checkbox"/> < 25 Mbps downstream, but at least 10 Mbps downstream <input type="checkbox"/> < 100 Mbps downstream, but at least 25 Mbps downstream <input checked="" type="checkbox"/> 100 Mbps downstream or above <input type="checkbox"/> I don't know
5. Are you interested in receiving broadband service from <b>Firefly Fiber Broadband</b> ?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6. How would you like us to let you know when service will be available?	<input checked="" type="checkbox"/> Email <input checked="" type="checkbox"/> Phone call <input type="checkbox"/> Mailer

\*This Pre-subscription form is not a binding commitment made by Firefly Fiber Broadband .

### Respondent Contact Information

Owner Name: <u>Powhatan State Park</u>	Phone Number: <u>804 598 7148</u>
<u>Matthew O'Quinn, Manager</u>	Email Address: <u>matthew.oguinn@dcv.virginia.gov</u>
Other Business Name:	Address: <u>4616 Powhatan State Park Road</u>
	City, State, Zip Code: <u>Powhatan, VA 23139</u>

Respondent Signature:       Date: 3-5-20



## ReConnect Program: Pre-subscription Form for Other Businesses

**Firefly Fiber Broadband** is applying for funding from the U.S. Department of Agriculture's ReConnect Program. If successful, this funding will allow **Firefly Fiber Broadband** to bring broadband service to your location. If you are interested in receiving broadband service, please share your responses to the questions below.

Question	Answer
1. What communications services are you currently using? Select all that apply.	<input checked="" type="checkbox"/> Internet <input checked="" type="checkbox"/> Landline Phone <input checked="" type="checkbox"/> Cell Phone <input checked="" type="checkbox"/> Video    _____ Other (specify)
2. Approximately how much do you pay per month for each of the services that you use?	\$ <u>99.95</u> Internet    \$ <u>194.70</u> Landline Phone    \$ <u>391</u> Cell Phone + <u>24.95</u> for 5 static IP's <u>6 lines</u> \$ <u>10.45</u> Video    \$ _____ Other (specify) <u>8 lines</u>
3. What is the broadband speed that you currently are receiving with your Internet service?	<input type="checkbox"/> None <input type="checkbox"/> < 10 Mbps downstream <input checked="" type="checkbox"/> < 25 Mbps downstream, but at least 10 Mbps downstream <input type="checkbox"/> < 100 Mbps downstream, but at least 25 Mbps downstream <input type="checkbox"/> 100 Mbps downstream or above <input type="checkbox"/> I don't know
4. What broadband speed would you need to meet your business needs?	<input type="checkbox"/> < 10 Mbps downstream <input checked="" type="checkbox"/> < 25 Mbps downstream, but at least 10 Mbps downstream <input type="checkbox"/> < 100 Mbps downstream, but at least 25 Mbps downstream <input type="checkbox"/> 100 Mbps downstream or above <input type="checkbox"/> I don't know
5. Are you interested in receiving broadband service from <b>Firefly Fiber Broadband</b> ?	<input type="checkbox"/> Yes <input type="checkbox"/> No <i>possibly depending on price</i>
6. How would you like us to let you know when service will be available?	<input checked="" type="checkbox"/> Email <input checked="" type="checkbox"/> Phone call <input type="checkbox"/> Mailer

\*This Pre-subscription form is not a binding commitment made by **Firefly Fiber Broadband**.

### Respondent Contact Information

Owner Name: <i>Kelly Comer</i>	Phone Number: <i>804.598.7467</i>
	Email Address: <i>kcomer@rapidva.com</i>
Other Business Name:	Address:
	City, State, Zip Code:

Respondent Signature: *Kelly Comer*

Date: *3/11/2020*

## ReConnect Program: Pre-subscription Form for Other Businesses

**Firefly Fiber Broadband** is applying for funding from the U.S. Department of Agriculture's ReConnect Program. If successful, this funding will allow **Firefly Fiber Broadband** to bring broadband service to your location. If you are interested in receiving broadband service, please share your responses to the questions below.

Question	Answer
1. What communications services are you currently using? Select all that apply.	<input checked="" type="checkbox"/> Internet <input checked="" type="checkbox"/> Landline Phone <input checked="" type="checkbox"/> Cell Phone <input type="checkbox"/> Video <input type="checkbox"/> Other (specify)
2. Approximately how much do you pay per month for each of the services that you use?	\$ <u>90</u> Internet    \$ <u>90</u> Landline Phone    \$ <u>50</u> Cell Phone \$ _____ Video    \$ _____ Other (specify)
3. What is the broadband speed that you currently are receiving with your Internet service?	<input type="checkbox"/> None <input type="checkbox"/> < 10 Mbps downstream <input type="checkbox"/> < 25 Mbps downstream, but at least 10 Mbps downstream <input type="checkbox"/> < 100 Mbps downstream, but at least 25 Mbps downstream <input type="checkbox"/> 100 Mbps downstream or above <input checked="" type="checkbox"/> I don't know <i>it is extremely slow, cant download video</i>
4. What broadband speed would you need to meet your business needs?	<input type="checkbox"/> < 10 Mbps downstream <input type="checkbox"/> < 25 Mbps downstream, but at least 10 Mbps downstream <input type="checkbox"/> < 100 Mbps downstream, but at least 25 Mbps downstream <input type="checkbox"/> 100 Mbps downstream or above <input type="checkbox"/> I don't know
5. Are you interested in receiving broadband service from <b>Firefly Fiber Broadband</b> ?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6. How would you like us to let you know when service will be available?	<input checked="" type="checkbox"/> Email <input type="checkbox"/> Phone call <input checked="" type="checkbox"/> Mailer

\*This Pre-subscription form is not a binding commitment made by **Firefly Fiber Broadband**

### Respondent Contact Information

Owner Name:	Phone Number: <u>804-796-2600</u>
<u>Kenneth B Davis</u>	Email Address: <u>shokota1@gmail.com</u>
Other Business Name:	Address: <u>1102 Old Buckingham Rd</u>
<u>Shokota Equestrian</u>	City, State, Zip Code: <u>Powhatan VA 23139</u>

Respondent Signature: Kenneth Davis      Date: 3/9/2020

## ReConnect Program: Pre-subscription Form for Other Businesses

**Firefly Fiber Broadband** is applying for funding from the U.S. Department of Agriculture's ReConnect Program. If successful, this funding will allow **Firefly Fiber Broadband** to bring broadband service to your location. If you are interested in receiving broadband service, please share your responses to the questions below.

Question	Answer
1. What communications services are you currently using? Select all that apply.	<input checked="" type="checkbox"/> Internet <input checked="" type="checkbox"/> Landline Phone <input checked="" type="checkbox"/> Cell Phone <input type="checkbox"/> Video <input type="checkbox"/> Other (specify)
2. Approximately how much do you pay per month for each of the services that you use?	\$ <u>133</u> Internet    \$ <u>46</u> Landline Phone    \$ <u>210</u> Cell Phone \$ _____ Video    \$ _____ Other (specify)
3. What is the broadband speed that you currently are receiving with your Internet service?	<input type="checkbox"/> None <input type="checkbox"/> < 10 Mbps downstream <input checked="" type="checkbox"/> < 25 Mbps downstream, but at least 10 Mbps downstream <input type="checkbox"/> < 100 Mbps downstream, but at least 25 Mbps downstream <input type="checkbox"/> 100 Mbps downstream or above <input type="checkbox"/> I don't know
4. What broadband speed would you need to meet your business needs?	<input type="checkbox"/> < 10 Mbps downstream <input type="checkbox"/> < 25 Mbps downstream, but at least 10 Mbps downstream <input type="checkbox"/> < 100 Mbps downstream, but at least 25 Mbps downstream <input type="checkbox"/> 100 Mbps downstream or above <input checked="" type="checkbox"/> I don't know <i>more than what I have</i>
5. Are you interested in receiving broadband service from <b>Firefly Fiber Broadband</b> ?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6. How would you like us to let you know when service will be available?	<input checked="" type="checkbox"/> Email <input type="checkbox"/> Phone call <input type="checkbox"/> Mailer

\*This Pre-subscription form is not a binding commitment made by **Firefly Fiber Broadband**.

### Respondent Contact Information

Owner Name: <u>Terry Adcock</u>	Phone Number: <u>804-314-5696</u>
	Email Address: <u>dadcock186@aol.com</u>
Other Business Name: <u>Oakdale Farm</u>	Address: <u>5719 Cantawville Rd</u>
<u>Terry Adcock Real Estate</u>	City, State, Zip Code: <u>Powhatan VA 23139</u>

Respondent Signature: Terry Adcock      Date: 3-5-20

*I sell homes & farms in western Powhatan  
 1 out of 3 calls won't even look because of  
 current internet speed.*



## ReConnect Program: Pre-subscription Form for Other Businesses

**Firefly Fiber Broadband** is applying for funding from the U.S. Department of Agriculture's ReConnect Program. If successful, this funding will allow **Firefly Fiber Broadband** to bring broadband service to your location. If you are interested in receiving broadband service, please share your responses to the questions below.

Question	Answer
1. What communications services are you currently using? Select all that apply.	<input checked="" type="checkbox"/> Internet <input checked="" type="checkbox"/> Landline Phone <input checked="" type="checkbox"/> Cell Phone <input type="checkbox"/> Video <input type="checkbox"/> Other (specify)
2. Approximately how much do you pay per month for each of the services that you use?	\$ <input type="text"/> Internet    \$ <input type="text"/> Landline Phone    \$ <input type="text"/> Cell Phone \$ <input type="text"/> Video    \$ <input type="text"/> Other (specify)
3. What is the broadband speed that you currently are receiving with your Internet service?	<input type="checkbox"/> None <input checked="" type="checkbox"/> < 10 Mbps downstream <input type="checkbox"/> < 25 Mbps downstream, but at least 10 Mbps downstream <input type="checkbox"/> < 100 Mbps downstream, but at least 25 Mbps downstream <input type="checkbox"/> 100 Mbps downstream or above <input type="checkbox"/> I don't know
4. What broadband speed would you need to meet your business needs?	<input type="checkbox"/> < 10 Mbps downstream <input type="checkbox"/> < 25 Mbps downstream, but at least 10 Mbps downstream <input type="checkbox"/> < 100 Mbps downstream, but at least 25 Mbps downstream <input checked="" type="checkbox"/> 100 Mbps downstream or above <input type="checkbox"/> I don't know
5. Are you interested in receiving broadband service from <b>Firefly Fiber Broadband</b> ?*	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6. How would you like us to let you know when service will be available?	<input checked="" type="checkbox"/> Email <i>FAIRVIEWFARMEVENTS@</i> <input type="checkbox"/> Phone call <input type="checkbox"/> Mailer <i>yahoo.com</i>

\*This Pre-subscription form is not a binding commitment made by **Firefly Fiber Broadband**.

### Respondent Contact Information

Owner Name: <i>Debara Gordon</i>	Phone Number: <i>804-492-4972</i>
	Email Address: <i>ABOVE</i>
Other Business Name: <i>FAIRVIEW FARM EVENTS</i>	Address: <i>1630 Ball'sville Rd</i>
	City, State, Zip Code: <i>Powhatan, VA 23139</i>

Respondent Signature: *Debara Gordon*      Date: *3/5/20*



September 1<sup>st</sup>, 2021

Gary Wood, CEO  
Firefly Fiber Broadband  
P.O. Box 359  
Lovingston, VA 22949

Dear Mr. Wood:

This letter is to acknowledge Rassawek Vineyard's full support of Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Goochland County.

As a fast-growing multifaceted business in western Goochland County, we are in imminent need of reliable high speed internet. Our staff has quadrupled in size from the beginning of the year with all offices being on location in western Goochland. We have also added a new business unit this past year which requires extensive security systems that feed off of high-speed internet. The only internet service currently available to us is cell-based service which does not have the capacity to handle all of our business needs. We are losing income because high speed internet is needed.

Business growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening small businesses and creating and retaining jobs in the region.

Rassawek Vineyard is delighted to endorse this application in the hope that its successful implementation will bolster my and business growth in Central Virginia.

Sincerely,

Jessica Jessee  
Event Planner  
Rassawek Vineyard



Phone: (804) 380-5303 ~ [www.Rassawek.com](http://www.Rassawek.com)

Mailing Address: 6276 River Road West, Columbia, Virginia 23038



September 13, 2021

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

RE: Firefly Fiber Broadband Deployment Initiative

Dr. Holmes:

On behalf of Rappahannock Electric Cooperative (REC), I am pleased to submit this letter in support of the applications that Firefly Fiber Broadband (Firefly) is submitting for grant funding from the 2022 Virginia Telecommunication Initiative.

We appreciate the focus from the Commonwealth on this critical need to make high-quality broadband internet service available in our unserved and underserved communities. REC is a member-owned, member-focused electric cooperative serving portions of 22 counties. The partnership between us and Firefly, a wholly owned subsidiary of Central Virginia Electric Cooperative, is a wonderful example of a key principle for cooperatives – cooperation among cooperatives. With this collaboration, REC intends to own and lease fiber to Firefly, and Firefly will serve as the internet service provider. REC has applied for loan funds from the USDA's Rural Utilities Service to finance this project. Our efforts have facilitated commitments that will deliver universal, fiber-to-the-home broadband access in the partnered counties served by REC. Additionally, REC is constructing a utility fiber backbone network designed to facilitate the successful completion of these broadband partnership solutions.

This cooperation among cooperatives creates opportunities to simultaneously address critical needs such as modernizing the energy grid and strengthening the reliability and security of our electric infrastructure, while making broadband access universally available. REC is proud to be a facilitator of this internet solution and to contribute to these important projects. We also look forward to continuing our work with Firefly.

Thank you for your consideration of awarding the funding necessary to complete these important projects.

Sincerely,



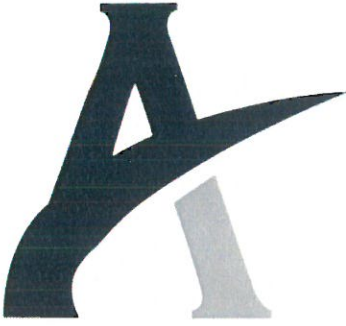
Peter Muhoro, Ph.D.  
Chief Strategy, Technology and Innovation Officer  
Rappahannock Electric Cooperative

Rappahannock Electric Cooperative is an equal opportunity provider and employer.

# APPOMATTOX COUNTY PUBLIC SCHOOLS

*Learning Today, Leading Tomorrow*

ANNETTE A. BENNETT, Ed. D.  
DIVISION SUPERINTENDENT



September 2, 2021

**SCHOOL BOARD MEMBERS:**

GREGORY A. SMITH  
Chairman  
Courthouse District

WYATT K. TORRENCE  
Vice-Chairman  
Appomattox River District

BOBBY K. WADDELL · INTERIM  
Piney Mountain District

JASON L. WELLS  
Wreck Island District

ROGER B. STOUGH · INTERIM  
Falling River District

**CENTRAL OFFICE STAFF:**

BRUCE R. MCMILLAN  
Director of Finance and  
Human Resources

MARY L. SHERRY  
Director of Student Services

AMY D. HUSKIN, Ed. D.  
Director of Curriculum,  
Instruction and CTE

CHERYL J. SERVIS, Ed. D.  
Supervisor of Instruction  
and Federal Programs

PHILLIP G. AMOS JR.  
Supervisor of Technology  
and Security

CARRINGTON W. PRITCHARD  
Clerk of the Board

Gary Wood  
President & CEO  
Central Virginia Electric Cooperative  
PO Box 247  
Lovingston, VA 22949

RE: Letter of Support for 2021 VATI Application for Appomattox  
County

Dear Mr. Wood,

We are writing in support of Firefly Fiber Broadband<sup>SM</sup>, a wholly-owned subsidiary of Central Virginia Electric Cooperative (CVEC), and their proposal for building Fiber-to-the-Premise (FTTP) in Appomattox County, Virginia. We recognize the importance of broadband to citizens in our County. Additionally, such improvements will increase educational opportunities for our staff and most importantly, our students. Many times, our students are unable to do their homework or research in our County because of our lack of broadband. The schools are unable to connect effectively between the locations thus limiting our ability to offer a broad range of classes to our students.

FTTP would also provide economic growth in Appomattox for all. Their proposed investment in broadband infrastructure utilizing VATI funds along with County matching funds would greatly improve the opportunities only faster broadband can afford. Please consider their application and know we stand in support of their efforts.

Sincerely,

A handwritten signature in blue ink that reads "Annette A. Bennett".

Annette A. Bennett, Ed. D.  
Division Superintendent

September 9, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Ste 300  
Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes:

Cardinal Point Vineyard & Winery fully supports Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Nelson County.

Without the broadband service provided by Firefly, we simply could not do business. As you are aware, business growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening small businesses and creating and retaining jobs in the region.

Cardinal Point is delighted to endorse this application in the hope that its successful implementation will bolster my own and other business growth in Central Virginia.

Sincerely,

Sarah Gorman

Business Manager  
Cardinal Point Vineyard & Winery  
9423 Batesville Road  
Afton, Virginia 22920  
540456-8400

August 31st, 2021

Gary Wood, CEO  
Firefly Fiber Broadband  
P.O. Box 359  
Lovingson, VA 22949

Dear Mr. Wood:

The Freckled Farm Soap Company fully supports Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Goochland County.

Running a business that depends on the Internet to attract customers and bring in sales is incredibly difficult when you don't have a stable source for Internet service. We are currently depending on a cell connection to our phones and iPad to maintain our business. The cell service is incredibly expensive and is a huge drain on our resources for something that doesn't come close to covering even our most basic needs. While we have unlimited data on all of our devices we only have a total of 45gb of hotspot to spread out across the entire month for the computers for our business and school aged children. Keeping up with several social media platforms, maintaining the website, and keeping our software up to date, quickly uses up our allotted data. Once we exceed the data limit, we are throttled to the point that simple actions like checking our bank account online become almost impossible. When we have work that requires a lot of data we have to leave to find a hotspot location that allows us to get these activities done. This is a waste of resources. As a very small business we simply don't have any time to waste.

The lack of internet is also keeping us from implementing ideas that will help boost our business, like a "goat cam" or other live streams that will draw customers to our website or uploaded videos that help us connect to customers. It has also kept us from opportunities for professional development like taking part in the Handmade Soapmaker Guild's online conference last year or taking their master classes for certification.

The Freckled Farm Soap Company is delighted to endorse this application in the hope that its successful implementation will bolster our business and business growth in Central Virginia.

Sincerely,

Crystal and Kevin Neilson-Hall

Name: Crystal and Kevin Neilson-Hall

Title: Owners

Business: The Freckled Farm Soap Company





UNIVERSITY  
of VIRGINIA

Office of the Vice President and Chief Information Officer

September 3, 2021

Dr. Tamarah Holmes  
Office of Broadband  
600 East Main Street, Ste 300  
Richmond, VA 23219

RE: Letter of Support for Firefly Fiber Broadband/TJPDC 2022 VATI Application

Dear Dr. Holmes:

The University of Virginia fully supports Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Albemarle County.

Members of the University community need strong, reliable, truly high-speed Internet service wherever they live in Albemarle and the surrounding counties. Reliable high-speed Internet is essential to the half of our students who live off-grounds for remote learning and homework, to our employees for working from home and handling off-hours issues, and to our patients for telemedicine and other services. The pandemic has highlighted the poor state of Internet services available to many members of our community and network performance needs will almost certainly accelerate in the future. An investment in fiber optic infrastructure now will pay off for the community for many years into the future.

Business growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband is essential to strengthening small businesses and creating and retaining jobs in the region.

The University of Virginia is delighted to endorse this application in the hope that its successful implementation will support our community and its growth in Central Virginia.

Sincerely,

A handwritten signature in blue ink, appearing to read "Virginia H. Evans".

Virginia H. Evans  
Vice President and Chief Information Officer



September 8, 2021

Gary Wood, CEO  
Firefly Fiber Broadband  
P.O. Box 359  
Lovingsston, VA 22949

Dear Mr. Wood:

Yenta + Posha, LLC fully supports Firefly Fiber Broadband<sup>SM</sup> and Thomas Jefferson Planning District Commission (TJPDC) in their application for the Virginia Telecommunications Initiative (VATI) grant to connect currently unserved homes and businesses in Goochland County.

This past year and a half I have had to take 90% of my zoom calls in my car at the local library parking lot to get clear reception from a hotspot. Most calls are to contacts and manufacturers overseas, so I have had to do this multiple times throughout the day AND late in the evening due to time zones. I used satellite internet for a short period at my home, but the service was extremely unreliable and slow, so it was cancelled.

Business growth in the region depends on reliable, universal internet access, which is not yet widely available in rural Central Virginia. Broadband is necessary in helping small businesses thrive and retain and grow jobs.

Yenta + Posha, LLC is delighted to endorse this application in the hope that its successful implementation will bolster business growth in Central Virginia and allow underserved homes the ability to have access to highspeed internet.

Sincerely,

*Brianna Schwartz*

Brianna Schwartz

Founder and CEO

Yenta + Posha, LLC

[www.yentaposha.com](http://www.yentaposha.com)

## Project Summary Derivation of Costs

Product	Total	VATI	Non-VATI	Source of Estimate	Date
<b>Communications Hut</b>	\$ 2,265,000	\$ 906,000	\$ 1,359,000	Present Construction	8/31/2021
(includes 19 huts, land, concrete pad, electric service, backup generator, racks and dual a/c.)					
<b>Hut Electronics</b>	\$ 2,135,530	\$ 854,212	\$ 1,281,318	Present Construction	8/31/2021
(includes routers, switches, power supply, cross connect, and patch panels, etc.)					
<b>UG Construction</b>	\$ 96,021,905	\$ 38,408,762	\$ 57,613,143	Present Construction	8/31/2021
Total Build (1,475 miles)					
<b>OH Construction</b>	\$ 186,206,775	\$ 40,994,710	\$ 145,212,065	Present Construction	8/31/2021
Total Build including Make Ready (2,825 miles)					
<b>Service Installations</b>	\$ 11,838,000	\$ 4,735,200	\$ 7,102,800	Present Construction	8/31/2021
Service Drops (19,730 drops)					
<b>VATI Construction Totals</b>	<b>\$ 298,467,210</b>	<b>\$ 85,898,884</b>	<b>\$ 212,568,326</b>		
Additional Project Costs	\$ 9,299,250		\$ 9,299,250	Present Construction	8/31/2021
(includes home installs, marketing and management)					
<b>VATI Project Totals</b>	<b>\$ 307,766,460</b>	<b>\$ 85,898,884</b>	<b>\$ 221,867,576</b>		
<b>Leverage - CAF Project Totals</b>	\$ 21,924,735		\$ 21,924,735	Present Construction	8/31/2021
(357 miles 1,808 service drops)					
<b>Regional Project Totals (CAF and VATI)</b>	<b>\$ 329,691,195</b>	<b>\$ 85,898,884</b>	<b>\$ 243,792,311</b>		
<b>County Match Contributions</b>			<b>\$ (35,313,050)</b>	County Approvals	9/12/2021
<b>Non VATI/After Contributions</b>			<b>\$ 208,479,261</b>		

**Powhatan County Derivation of Costs**

<b>Product</b>	<b>Total</b>	<b>VATI</b>	<b>Non-VATI</b>	<b>Source of Estimate</b>	<b>Date</b>
<b>Hut Electronics</b>	\$ 65,455	\$ 26,182	\$ 39,273	Present Construction	8/31/2021
(includes routers, switches, power supply, cross connect, and patch panels, etc.)					
<b>UG Construction</b>	\$ 8,970,690	\$ 3,588,276	\$ 5,382,414	Present Construction	8/31/2021
Total Build (138 miles)					
<b>OH Construction</b>	\$ 4,947,875	\$ 315,150	\$ 4,632,725	Present Construction	8/31/2021
Total Build including Make Ready (47 miles)					
<b>Service Installations</b>	\$ 604,800	\$ 241,920	\$ 362,880	Present Construction	8/31/2021
Service Drops (1008 drops)					
<b>VATI Construction Totals</b>	<b>\$ 14,588,820</b>	<b>\$ 4,171,528</b>	<b>\$ 10,417,292</b>		
Additional Project Costs	\$ 466,650	\$ -	\$ 466,650	Present Construction	8/31/2021
(includes home installs, marketing and management)					
<b>VATI Project Totals</b>	<b>\$ 15,055,470</b>	<b>\$ 4,171,528</b>	<b>\$ 10,883,942</b>		
<b>Powhatan Match Contribution</b>			\$ (3,024,000)	County Approval	9/12/2021
<b>Non VATI/After Contributions</b>			\$ 7,859,942		

**Nelson County Derivation of Costs**

<b>Product</b>	<b>Total</b>	<b>VATI</b>	<b>Non-VATI</b>	<b>Source of Estimate</b>	<b>Date</b>
<b>Hut Electronics</b>	\$ 9,880	\$ 3,952	\$ 5,928	Present Construction	8/31/2021
(includes routers, switches, power supply, cross connect, and patch panels, etc.)					
<b>UG Construction</b>	\$ 564,975	\$ 225,990	\$ 338,985	Present Construction	8/31/2021
Total Build (9 miles)					
<b>OH Construction</b>	\$ 1,908,400	\$ 451,360	\$ 1,457,040	Present Construction	8/31/2021
Total Build including Make Ready (32 miles)					
<b>Service Installations</b>	\$ 91,200	\$ 36,480	\$ 54,720	Present Construction	8/31/2021
Service Drops (152 drops)					
<b>VATI Construction Totals</b>	<b>\$ 2,574,455</b>	<b>\$ 717,782</b>	<b>\$ 1,856,673</b>		
Additional Project Costs	\$ 73,350		\$ 73,350	Present Construction	8/31/2021
(includes home installs, marketing and management)					
<b>VATI Project Totals</b>	<b>\$ 2,647,805</b>	<b>\$ 717,782</b>	<b>\$ 1,930,023</b>		
<b>Nelson Match Contribution</b>			<b>\$ (1,125,000)</b>	County Approval	9/12/2021
<b>Non VATI/After Contributions</b>			<b>\$ 805,023</b>		

**Madison County Derivation of Costs**

<b>Product</b>	<b>Total</b>	<b>VATI</b>	<b>Non-VATI</b>	<b>Source of Estimate</b>	<b>Date</b>
<b>Communications Hut</b>	\$ 330,000	\$ 132,000	\$ 198,000	Present Construction	8/31/2021
(includes land, concrete pad, electric service, backup generator, racks and dual a/c.)					
<b>Hut Electronics</b>	\$ 239,730	\$ 95,892	\$ 143,838	Present Construction	8/31/2021
(includes routers, switches, power supply, cross connect, and patch panels, etc.)					
<b>UG Construction</b>	\$ 9,750,750	\$ 3,900,300	\$ 5,850,450	Present Construction	8/31/2021
Total Build (150 miles)					
<b>OH Construction</b>	\$ 13,072,950	\$ 5,229,180	\$ 7,843,770	Present Construction	8/31/2021
Total Build including Make Ready (278 miles)					
<b>Service Installations</b>	\$ 1,105,200	\$ 442,080	\$ 663,120	Present Construction	8/31/2021
Service Drops (1842 drops)					
<b>VATI Construction Totals</b>	<b>\$ 24,498,630</b>	<b>\$ 9,799,452</b>	<b>\$ 14,699,178</b>		
<b>Additional Project Costs</b>	\$ 889,850		\$ 889,850	Present Construction	8/31/2021
(includes home installs, marketing and management)					
<b>VATI Project Totals</b>	<b>\$ 25,388,480</b>	<b>\$ 9,799,452</b>	<b>\$ 15,589,028</b>		
<b>Madison Match Contribution</b>			\$ (2,563,200)	County Approval	9/12/2021
<b>Non VATI/After Contributions</b>			<b>\$ 13,025,828</b>		



**Louisa County Derivation of Costs**

<b>Product</b>	<b>Total</b>	<b>VATI</b>	<b>Non-VATI</b>	<b>Source of Estimate</b>	<b>Date</b>
<b>Communications Hut</b>	\$ 880,000	\$ 352,000	\$ 528,000	Present Construction	8/31/2021
(includes land, concrete pad, electric service, backup generator, racks and dual a/c.)					
<b>Hut Electronics</b>	\$ 680,945	\$ 272,378	\$ 408,567	Present Construction	8/31/2021
(includes routers, switches, power supply, cross connect, and patch panels, etc.)					
<b>UG Construction</b>	\$ 23,011,770	\$ 9,204,708	\$ 13,807,062	Present Construction	8/31/2021
Total Build (354 miles)					
<b>OH Construction</b>	\$ 38,264,650	\$ 11,405,860	\$ 26,858,790	Present Construction	8/31/2021
Total Build including Make Ready (681 miles)					
<b>Service Installations</b>	\$ 3,153,000	\$ 1,261,200	\$ 1,891,800	Present Construction	8/31/2021
Service Drops (5255 drops)					
<b>VATI Construction Totals</b>	<b>\$ 65,990,365</b>	<b>\$ 22,496,146</b>	<b>\$ 43,494,219</b>		
Additional Project Costs	\$ 2,473,375		\$ 2,473,375	Present Construction	8/31/2021
(includes home installs, marketing and management)					
<b>VATI Project Totals</b>	<b>\$ 68,463,740</b>	<b>\$ 22,496,146</b>	<b>\$ 45,967,594</b>		
Leverage - CAF Project Totals	\$ 1,624,500		\$ 1,624,500	Present Construction	8/31/2021
(26 miles 298 drops)					
<b>County Project Totals (CAF and VATI)</b>	<b>\$ 70,088,240</b>	<b>\$ 22,496,146</b>	<b>\$ 47,592,094</b>		
<b>Louisa Match Contribution</b>			<b>\$ (8,949,000)</b>	County Approval	9/12/2021
<b>Non VATI/After Contributions</b>			<b>\$ 38,643,094</b>		

**Greene County Derivation of Costs**

<b>Product</b>	<b>Total</b>	<b>VATI</b>	<b>Non-VATI</b>	<b>Source of Estimate</b>	<b>Date</b>
<b>Communications Hut</b>	\$ 330,000	\$ 132,000	\$ 198,000	Present Construction	8/31/2021
(includes land, concrete pad, electric service, backup generator, racks and dual a/c.)					
<b>Hut Electronics</b>	\$ 233,620	\$ 93,448	\$ 140,172	Present Construction	8/31/2021
(includes routers, switches, power supply, cross connect, and patch panels, etc.)					
<b>UG Construction</b>	\$ 9,750,750	\$ 3,900,300	\$ 5,850,450	Present Construction	8/31/2021
Total Build (150 miles)					
<b>OH Construction</b>	\$ 13,072,950	\$ 5,229,180	\$ 7,843,770	Present Construction	8/31/2021
Total Build including Make Ready (278 miles)					
<b>Service Installations</b>	\$ 1,048,800	\$ 419,520	\$ 629,280	Present Construction	8/31/2021
Service Drops (1748 drops)					
<b>VATI Construction Totals</b>	<b>\$ 24,436,120</b>	<b>\$ 9,774,448</b>	<b>\$ 14,661,672</b>		
Additional Project Costs	\$ 849,900		\$ 849,900	Present Construction	8/31/2021
(includes home installs, marketing and management)					
<b>VATI Project Totals</b>	<b>\$ 25,286,020</b>	<b>\$ 9,774,448</b>	<b>\$ 15,511,572</b>		
<b>Greene Match Contribution</b>			<b>\$ (2,687,000)</b>	County Approval	9/12/2021
<b>Non VATI/After Contributions</b>			<b>\$ 12,824,572</b>		

**Goochland County Derivation of Costs**

<b>Product</b>	<b>Total</b>	<b>VATI</b>	<b>Non-VATI</b>	<b>Source of Estimate</b>	<b>Date</b>
<b>Hut Electronics</b>	\$ 100,555	\$ 40,222	\$ 60,333	Present Construction	8/31/2021
(includes routers, switches, power supply, cross connect, and patch panels, etc.)					
<b>UG Construction</b>	\$ 8,905,685	\$ 3,562,274	\$ 5,343,411	Present Construction	8/31/2021
Total Build (137 miles)					
<b>OH Construction</b>	\$ 17,632,725	\$ 189,090	\$ 17,443,635	Present Construction	8/31/2021
Total Build including Make Ready (141 miles)					
<b>Service Installations</b>	\$ 826,200	\$ 330,480	\$ 495,720	Present Construction	8/31/2021
Service Drops (1377 drops)					
<b>VATI Construction Totals</b>	<b>\$ 27,465,165</b>	<b>\$ 4,122,066</b>	<b>\$ 23,343,099</b>		
Additional Project Costs	\$ 621,725		\$ 621,725	Present Construction	8/31/2021
(includes home installs, marketing and management)					
<b>VATI Project Totals</b>	<b>\$ 28,086,890</b>	<b>\$ 4,122,066</b>	<b>\$ 23,964,824</b>		
<b>Leverage - CAF Project Totals</b>	\$ 1,435,160		\$ 1,435,160	Present Construction	8/31/2021
(18 miles 170 drops)					
<b>County Project Totals (CAF and VATI)</b>	<b>\$ 29,522,050</b>	<b>\$ 4,122,066</b>	<b>\$ 25,399,984</b>		
<b>Goochland Match Contribution</b>			\$ (3,637,500)	County Approval	9/12/2021
<b>Non VATI/After Contributions</b>			<b>\$ 21,762,484</b>		

**Fluvanna County Derivation of Costs**

<b>Product</b>	<b>Total</b>	<b>VATI</b>	<b>Non-VATI</b>	<b>Source of Estimate</b>	<b>Date</b>
<b>Hut Electronics</b>	\$ 27,430	\$ 10,972	\$ 16,458	Present Construction	8/31/2021
(includes routers, switches, power supply, cross connect, and patch panels, etc.)					
<b>UG Construction</b>	\$ 975,075	\$ 390,030	\$ 585,045	Present Construction	8/31/2021
Total Build (15 miles)					
<b>OH Construction</b>	\$ 6,670,700	\$ 588,280	\$ 6,082,420	Present Construction	8/31/2021
Total Build including Make Ready (68 miles)					
<b>Service Installations</b>	\$ 253,200	\$ 101,280	\$ 151,920	Present Construction	8/31/2021
Service Drops (422 drops)					
<b>VATI Construction Totals</b>	<b>\$ 7,926,405</b>	<b>\$ 1,090,562</b>	<b>\$ 6,835,843</b>		
Additional Project Costs	\$ 190,100		\$ 190,100	Present Construction	8/31/2021
(includes home installs, marketing and management)					
<b>VATI Project Totals</b>	<b>\$ 8,116,505</b>	<b>\$ 1,090,562</b>	<b>\$ 7,025,943</b>		
<b>Fluvanna Match Contribution</b>			\$ (601,500)	County Approval	9/12/2021
<b>Non VATI/After Contributions</b>			\$ 6,424,443		

**Cumberland County Derivation of Costs**

<b>Product</b>	<b>Total</b>	<b>VATI</b>	<b>Non-VATI</b>	<b>Source of Estimate</b>	<b>Date</b>
<b>Hut Electronics</b>	\$ 20,475	\$ 8,190	\$ 12,285	Present Construction	8/31/2021
(includes routers, switches, power supply, cross connect, and patch panels, etc.)					
<b>UG Construction</b>	\$ 915,670	\$ 366,268	\$ 549,402	Present Construction	8/31/2021
Total Build (14 miles)					
<b>OH Construction</b>	\$ 4,615,650	\$ 598,260	\$ 4,017,390	Present Construction	8/31/2021
Total Build including Make Ready (50 miles)					
<b>Service Installations</b>	\$ 120,000	\$ 48,000	\$ 72,000	Present Construction	8/31/2021
Service Drops (200 drops)					
<b>VATI Construction Totals</b>	<b>\$ 5,671,795</b>	<b>\$ 1,020,718</b>	<b>\$ 4,651,077</b>		
Additional Project Costs	\$ 95,000	\$ -	\$ 95,000	Present Construction	8/31/2021
(includes home installs, marketing and management)					
<b>VATI Project Totals</b>	<b>\$ 5,766,795</b>	<b>\$ 1,020,718</b>	<b>\$ 4,746,077</b>		
<b>Leverage - CAF Project Totals</b>	\$ 1,579,740		\$ 1,579,740	Present Construction	8/31/2021
(23 miles 115 service drops)					
<b>County Project Totals (CAF and VATI)</b>	<b>\$ 7,346,535</b>	<b>\$ 1,020,718</b>	<b>\$ 6,325,817</b>		
<b>Cumberland Match Contribution</b>			\$ (386,250)	County Approval	9/12/2021
<b>Non VATI/After Contributions</b>			<b>\$ 5,939,567</b>		



**Campbell County Derivation of Costs**

<b>Product</b>	<b>Total</b>	<b>VATI</b>	<b>Non-VATI</b>	<b>Source of Estimate</b>	<b>Date</b>
<b>Hut Electronics</b>	\$ 60,320	\$ 24,128	\$ 36,192	Present Construction	8/31/2021
(includes routers, switches, power supply, cross connect, and patch panels, etc.)					
<b>UG Construction</b>	\$ 5,951,855	\$ 2,380,742	\$ 3,571,113	Present Construction	8/31/2021
Total Build (91 miles)					
<b>OH Construction</b>	\$ 6,938,650	\$ 2,775,460	\$ 4,163,190	Present Construction	8/31/2021
Total Build including Make Ready (146 miles)					
<b>Service Installations</b>	\$ 556,800	\$ 222,720	\$ 334,080	Present Construction	8/31/2021
Service Drops (928 drops)					
<b>VATI Construction Totals</b>	<b>\$ 13,507,625</b>	<b>\$ 5,403,050</b>	<b>\$ 8,104,575</b>		
Additional Project Costs	\$ 453,650		\$ 453,650	Present Construction	8/31/2021
(includes home installs, marketing and management)					
<b>VATI Project Totals</b>	<b>\$ 13,961,275</b>	<b>\$ 5,403,050</b>	<b>\$ 8,558,225</b>		
<b>Campbell Match Contribution</b>			<b>\$ (2,280,000)</b>	County Approval	9/12/2021
<b>Non VATI/After Contributions</b>			<b>\$ 6,278,225</b>		

**Buckingham County Derivation of Costs**

<b>Product</b>	<b>Total</b>	<b>VATI</b>	<b>Non-VATI</b>	<b>Source of Estimate</b>	<b>Date</b>
<b>Communications Hut</b>	\$ 145,000	\$ 58,000	\$ 87,000	Present Construction	8/31/2021
(includes land, concrete pad, electric service, backup generator, racks and dual a/c.)					
<b>Hut Electronics</b>	\$ 151,605	\$ 60,642	\$ 90,963	Present Construction	8/31/2021
(includes routers, switches, power supply, cross connect, and patch panels, etc.)					
<b>UG Construction</b>	\$ 7,995,615	\$ 3,198,246	\$ 4,797,369	Present Construction	8/31/2021
Total Build (123 miles)					
<b>OH Construction</b>	\$ 17,425,250	\$ 210,100	\$ 17,215,150	Present Construction	8/31/2021
Total Build including Make Ready (140 miles)					
<b>Service Installations</b>	\$ 1,030,200	\$ 412,080	\$ 618,120	Present Construction	8/31/2021
Service Drops (1,717 drops)					
<b>VATI Construction Totals</b>	<b>\$ 26,747,670</b>	<b>\$ 3,939,068</b>	<b>\$ 22,808,602</b>		
Additional Project Costs	\$ 762,975		\$ 762,975	Present Construction	8/31/2021
(includes home installs, marketing and management)					
<b>VATI Project Totals</b>	<b>\$ 27,510,645</b>	<b>\$ 3,939,068</b>	<b>\$ 23,571,577</b>		
<b>Buckingham Match Contribution</b>			\$ (1,500,000)	County Approval	9/12/2021
<b>Non VATI/After Contributions</b>			<b>\$ 22,071,577</b>		

**Appomattox County Derivation of Costs**

<b>Product</b>	<b>Total</b>	<b>VATI</b>	<b>Non-VATI</b>	<b>Source of Estimate</b>	<b>Date</b>
<b>Communications Hut</b>	\$ 145,000	\$ 58,000	\$ 87,000	Present Construction	8/31/2021
(includes land, concrete pad, electric service, backup generator, racks and dual a/c.)					
<b>Hut Electronics</b>	\$ 115,205	\$ 46,082	\$ 69,123	Present Construction	8/31/2021
(includes routers, switches, power supply, cross connect, and patch panels, etc.)					
<b>UG Construction</b>	\$ 10,399,395	\$ 4,159,758	\$ 6,239,637	Present Construction	8/31/2021
Total Build (159 miles)					
<b>OH Construction</b>	\$ 11,857,550	\$ 2,143,020	\$ 9,714,530	Present Construction	8/31/2021
Total Build including Make Ready (152 miles)					
<b>Service Installations</b>	\$ 694,200	\$ 277,680	\$ 416,520	Present Construction	8/31/2021
Service Drops (1,157 drops)					
<b>VATI Construction Totals</b>	<b>\$ 23,211,350</b>	<b>\$ 6,684,540</b>	<b>\$ 16,526,810</b>		
Additional Project Costs	\$ 556,975		\$ 556,975	Present Construction	8/31/2021
(includes home installs, marketing and management)					
<b>VATI Project Totals</b>	<b>\$ 23,768,325</b>	<b>\$ 6,684,540</b>	<b>\$ 17,083,785</b>		
<b>Leverage - CAF Project Totals</b>	<b>\$ 5,729,355</b>		<b>\$ 5,729,355</b>	Present Construction	8/31/2021
(84 miles 375 service drops)					
<b>County Project Totals (CAF and VATI)</b>	<b>\$ 29,497,680</b>	<b>\$ 6,684,540</b>	<b>\$ 22,813,140</b>		
<b>Appomattox Match Contribution</b>			<b>\$ (1,166,200)</b>	County Approval	9/12/2021
<b>Non VATI/After Contributions</b>			<b>\$ 21,646,940</b>		

### Amherst County Derivation of Costs

<b>Product</b>	<b>Total</b>	<b>VATI</b>	<b>Non-VATI</b>	<b>Source of Estimate</b>	<b>Date</b>
<b>Communications Hut</b>	\$ 290,000	\$ 116,000	\$ 174,000	Present Construction	8/31/2021
(includes land, concrete pad, electric service, backup generator, racks and dual a/c.)					
<b>Hut Electronics</b>	\$ 215,005	\$ 86,002	\$ 129,003	Present Construction	8/31/2021
(includes routers, switches, power supply, cross connect, and patch panels, etc.)					
<b>UG Construction</b>	\$ 3,335,655	\$ 1,334,262	\$ 2,001,393	Present Construction	8/31/2021
Total Build (51 miles)					
<b>OH Construction</b>	\$ 12,967,200	\$ 5,186,880	\$ 7,780,320	Present Construction	8/31/2021
Total Build including Make Ready (288 miles)					
<b>Service Installations</b>	\$ 802,800	\$ 321,120	\$ 481,680	Present Construction	8/31/2021
Service Drops (1,338 drops)					
<b>VATI Construction Totals</b>	<b>\$ 17,610,660</b>	<b>\$ 7,044,264</b>	<b>\$ 10,566,396</b>		
Additional Project Costs	\$ 653,400		\$ 653,400	Present Construction	8/31/2021
(includes home installs, marketing and management)					
<b>VATI Project Totals</b>	<b>\$ 18,264,060</b>	<b>\$ 7,044,264</b>	<b>\$ 11,219,796</b>		
<b>Leverage - CAF Project Totals</b>	<b>\$ 10,320,840</b>		<b>\$ 10,320,840</b>	Present Construction	8/31/2021
(187 miles 739 service drops)					
<b>County Project Totals (CAF and VATI)</b>	<b>\$ 28,584,900</b>	<b>\$ 7,044,264</b>	<b>\$ 21,540,636</b>		
<b>Amherst Match Contribution</b>			<b>\$ (3,025,400)</b>	County Approval	9/12/2021

**Albemarle County Derivation of Costs**

<b>Product</b>	<b>Total</b>	<b>VATI</b>	<b>Non-VATI</b>	<b>Source of Estimate</b>	<b>Date</b>
<b>Communications Hut</b>	\$ 145,000	\$ 58,000	\$ 87,000	Present Construction	8/31/2021
(includes hut, land, concrete pad, electric service, backup generator, racks and dual a/c.)					
<b>Hut Electronics</b>	\$ 215,305	\$ 86,122	\$ 129,183	Present Construction	8/31/2021
(includes routers, switches, power supply, cross connect, and patch panels, etc.)					
<b>UG Construction</b>	\$ 5,494,020	\$ 2,197,608	\$ 3,296,412	Present Construction	8/31/2021
Total Build (84 miles)					
<b>OH Construction</b>	\$ 36,832,225	\$ 6,672,890	\$ 30,159,335	Present Construction	8/31/2021
(Total Build including Make Ready (524 miles)					
<b>Service Installations</b>	\$ 1,551,600	\$ 620,640	\$ 930,960	Present Construction	8/31/2021
Service Drops (2,586 drops)					
<b>VATI Construction Totals</b>	<b>\$ 44,238,150</b>	<b>\$ 9,635,260</b>	<b>\$ 34,602,890</b>		
Additional Project Costs	\$ 1,212,300		\$ 1,212,300	Present Construction	8/31/2021
(includes home installs, marketing and management)					
<b>VATI Project Totals</b>	<b>\$ 45,450,450</b>	<b>\$ 9,635,260</b>	<b>\$ 35,815,190</b>		
<b>Leverage - CAF Project Totals</b>	\$ 1,235,140		\$ 1,235,140	Present Construction	8/31/2021
(19 miles 111 service drops)					
<b>County Project Totals (CAF and VATI)</b>	<b>\$ 46,685,590</b>	<b>\$ 9,635,260</b>	<b>\$ 37,050,330</b>		
<b>Albemarle Match Contribution</b>			<b>\$ (4,368,000)</b>	County Approval	9/12/2021
<b>Non VATI/After Contributions</b>			<b>\$ 32,682,330</b>		



# Form 477 Filing Summary

FRN:  
0027729573

Data as of:  
Dec 31, 2020

Operations:  
Non-ILEC

Submission Status:  
Original - Submitted

Last Updated:  
Mar 16, 2021 09:16  
AM

## Filer Identification

Section	Field	Response
Filer Information	Company Name	Central Virginia Services, Inc.
	Holding Company Name	Central Virginia Electric Cooperative
	Filing Type	Non-ILEC
	SAC ID	199021
	499 ID	832816
Data Contact Information	Data Contact Name	Mark Lammert
	Data Contact Phone Number	(407) 794-3488
	Data Contact E-mail	regulatory@csilongwood.com
Emergency Operations Contact Information	Emergency Operations Name	Ryan Coffey
	Emergency Operations Phone Number	(434) 282-7682
	Emergency Operations E-mail	rcoffey@fireflyva.com
Certifying Official Contact Information	Certifying Official Name	Gary Wood
	Certifying Official Phone Number	(434) 263-8336
	Certifying Official E-mail	gwood@mycvec.com

## Data Submitted

Form Section	File Name	Date & Time	Number of Rows
Fixed Broadband Deployment	DEC_2020_fbd.csv	Mar 16, 2021 09:00 AM	718
Fixed Broadband Subscription	DEC_2020_fbs.csv	Mar 16, 2021 09:14 AM	35
Fixed Voice Subscription	CenVA_FCC 477_2H20.csv	Mar 16, 2021 08:59 AM	14

## Fixed Broadband Deployment

### Census Block Counts by State, DBA Name and Technology

State	DBA Name	Technology	Blocks
-------	----------	------------	--------

State	DBA Name	Technology	Blocks
Virginia	Firefly Fiber Broadband	Optical Carrier/Fiber to the End User	718
<b>Total</b>			<b>718</b>

## 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	35	4,948	70	5,018
<b>Total</b>		<b>35</b>	<b>4,948</b>	<b>70</b>	<b>5,018</b>

### Fixed Broadband Subscriptions by Bandwidths and End User Type

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business/Govt.	Total
3.000	1.000	1	0	1
50.000	50.000	0	6	6
100.000	100.000	3,261	47	3,308
250.000	250.000	0	11	11
1,000.000	1,000.000	1,686	6	1,692
<b>Total</b>		<b>4,948</b>	<b>70</b>	<b>5,018</b>

### 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	3.000	1.000	1	0	1
	50.000	50.000	0	6	6
	100.000	100.000	3,261	47	3,308
	250.000	250.000	0	11	11
	1,000.000	1,000.000	1,686	6	1,692
<b>Total</b>			<b>4,948</b>	<b>70</b>	<b>5,018</b>

## Fixed Voice Subscription

### VGE Lines and VoIP Subscriptions by State and End User Type

State	Total VGE Lines	Consumer VGE Lines	Total VoIP Subscriptions	Consumer VoIP Subscriptions
-------	-----------------	--------------------	--------------------------	-----------------------------

State	Total VGE Lines	Consumer VGE Lines	Total VoIP Subscriptions	Consumer VoIP Subscriptions
Virginia	0	0	925	895
<b>Total</b>	<b>0</b>	<b>0</b>	<b>925</b>	<b>895</b>

## Fixed Voice Subscription (iVoIP)

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

State	Total	Consumer	Business/Govt.
Virginia	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>

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

State	Total	by End User Type		by Bundle		by Last-Mile Medium			
		Consumer	Business/Govt.	Sold w/ Internet	Sold w/o Internet	FTTP	Coax	Fixed Wireless	Copper
Virginia	925	895	30	899	26	925	0	0	0
<b>Total</b>	<b>925</b>	<b>895</b>	<b>30</b>	<b>899</b>	<b>26</b>	<b>925</b>	<b>0</b>	<b>0</b>	<b>0</b>

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

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

Federal Communications Commission  
445 12th Street SW, Washington, DC 20554  
[Phone: 1-888-225-5322](tel:1-888-225-5322)

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

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

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

[Contact Us](#)

[Website Policies & Notices](#)

[FOIA](#)

[No Fear Act Data](#)

[FCC Digital Strategy](#)

[Open Government Directive](#)

[Plain Writing Act](#)

[RSS Feeds & Email Updates](#)

[Disability Rights](#)

CATEGORIES

# Form 477 Filing Summary

FRN:  
0027729573

Data as of:  
Jun 30, 2021

Operations:  
Non-ILEC

Submission Status:  
Original - Submitted

Last Updated:  
Aug 25, 2021 09:26  
AM

## Filer Identification

Section	Field	Response
Filer Information	Company Name	Central Virginia Services, Inc.
	Holding Company Name	Central Virginia Services, Inc.
	Filing Type	Non-ILEC
	SAC ID	N/A
	499 ID	832816
Data Contact Information	Data Contact Name	Mark Lammert
	Data Contact Phone Number	(407) 794-3488
	Data Contact E-mail	regulatory@csilongwood.com
Emergency Operations Contact Information	Emergency Operations Name	Ryan Coffey
	Emergency Operations Phone Number	(434) 282-7682
	Emergency Operations E-mail	rcoffey@fireflyva.com
Certifying Official Contact Information	Certifying Official Name	Gary Wood
	Certifying Official Phone Number	(434) 263-8336
	Certifying Official E-mail	gwood@mycvec.com

## Data Submitted

Form Section	File Name	Date & Time	Number of Rows
Fixed Broadband Deployment	Central Virginia BBDeployment.csv	Aug 24, 2021 03:25 PM	1,755
Fixed Broadband Subscription	Central Virginia BBSubscript.csv	Aug 25, 2021 09:24 AM	68
Fixed Voice Subscription	Central Virginia 1H21 Voice.csv	Aug 24, 2021 03:31 PM	26

## Fixed Broadband Deployment

### Census Block Counts by State, DBA Name and Technology

State	DBA Name	Technology	Blocks
-------	----------	------------	--------

State	DBA Name	Technology	Blocks
Virginia	Firefly Fiber Broadband	Optical Carrier/Fiber to the End User	1,755
<b>Total</b>			<b>1,755</b>

## 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	68	8,149	178	8,327
<b>Total</b>		<b>68</b>	<b>8,149</b>	<b>178</b>	<b>8,327</b>

### Fixed Broadband Subscriptions by Bandwidths and End User Type

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business/Govt.	Total
50.000	50.000	0	10	10
100.000	100.000	5,189	141	5,330
250.000	250.000	0	23	23
1,000.000	1,000.000	2,960	4	2,964
<b>Total</b>		<b>8,149</b>	<b>178</b>	<b>8,327</b>

### 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	50.000	50.000	0	10	10
	100.000	100.000	5,189	141	5,330
	250.000	250.000	0	23	23
	1,000.000	1,000.000	2,960	4	2,964
<b>Total</b>			<b>8,149</b>	<b>178</b>	<b>8,327</b>

## Fixed Voice Subscription

### VGE Lines and VoIP Subscriptions by State and End User Type

State	Total VGE Lines	Consumer VGE Lines	Total VoIP Subscriptions	Consumer VoIP Subscriptions
Virginia	0	0	1,596	1,509
<b>Total</b>	<b>0</b>	<b>0</b>	<b>1,596</b>	<b>1,509</b>



## Fixed Voice Subscription (iVoIP)

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

State	Total	Consumer	Business/Govt.
Virginia	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>

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

State	Total	by End User Type		by Bundle		by Last-Mile Medium			
		Consumer	Business/Govt.	Sold w/ Internet	Sold w/o Internet	FTTP	Coax	Fixed Wireless	Copper
Virginia	1,596	1,509	87	1,551	45	1,596	0	0	0
<b>Total</b>	<b>1,596</b>	<b>1,509</b>	<b>87</b>	<b>1,551</b>	<b>45</b>	<b>1,596</b>	<b>0</b>	<b>0</b>	<b>0</b>

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

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

Federal Communications Commission  
445 12th Street SW, Washington, DC 20554  
[Phone: 1-888-225-5322](tel:1-888-225-5322)

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

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

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

[Contact Us](#)

[Website Policies & Notices](#)

[FOIA](#)

[No Fear Act Data](#)

[FCC Digital Strategy](#)

[Open Government Directive](#)

[Plain Writing Act](#)

[RSS Feeds & Email Updates](#)

[Disability Rights](#)

CATEGORIES

[About the FCC](#)

[Proceedings & Actions](#)

[Licensing & Databases](#)

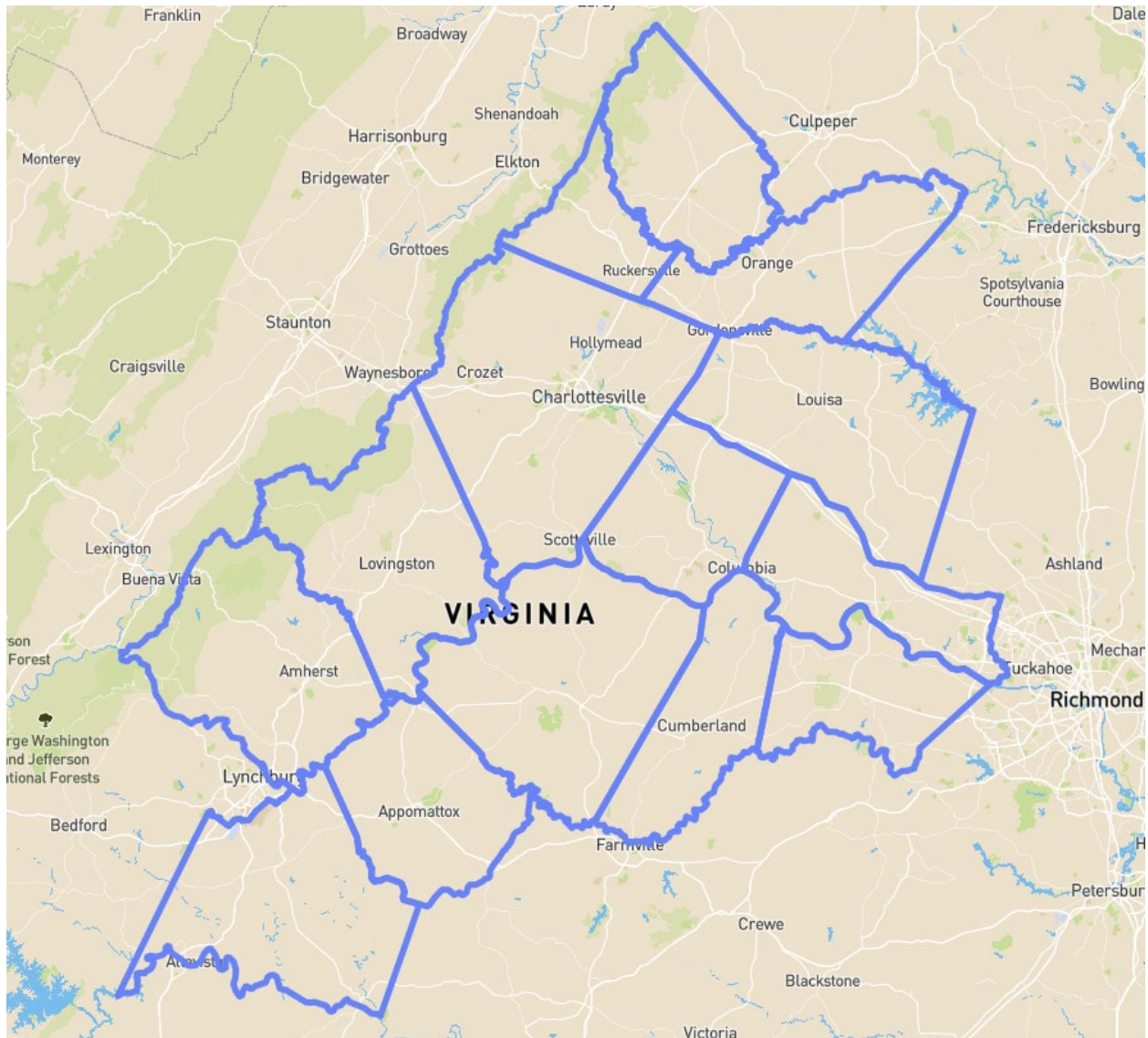
[Reports & Research](#)

[News & Events](#)

## A Commitment to Regional Universal Service

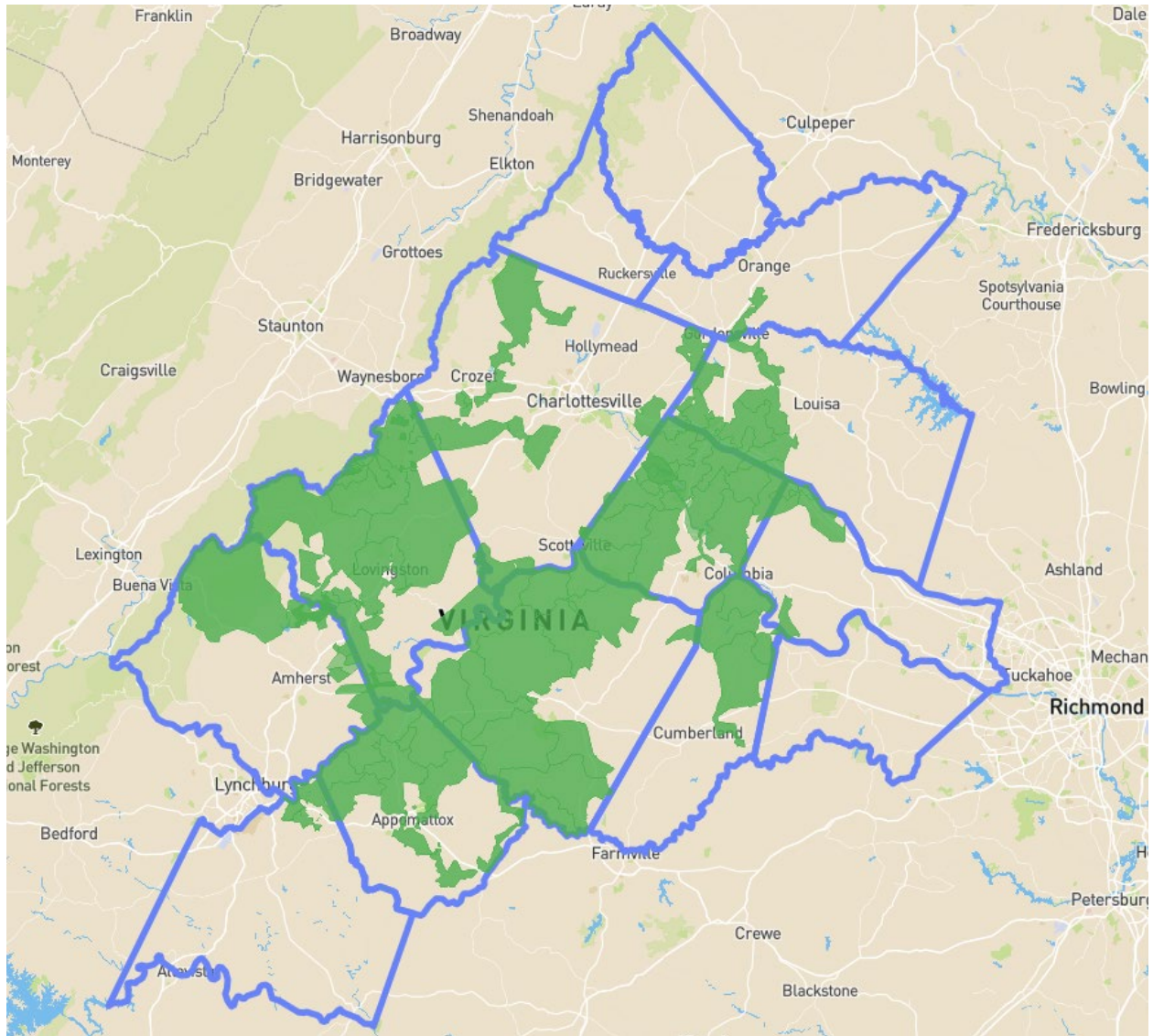
Central Virginia Electric Cooperative (CVEC) formed Firefly Fiber Broadband in 2018. The Virginia state code does not allow electric cooperatives to sell retail broadband service, but it does allow electric cooperatives to own affiliates doing any legal business in Virginia. CVEC committed in November 2017 to build a fiber network throughout its 4500-mile electric distribution territory, assuring every meter could eventually be connected with fiber and in turn that every member could have access to that fiber for world class broadband service. Firefly was born out of a commitment to universal service.

In 2018, the work toward gigabit speed broadband access in the central Virginia region could be shown on a map like this:



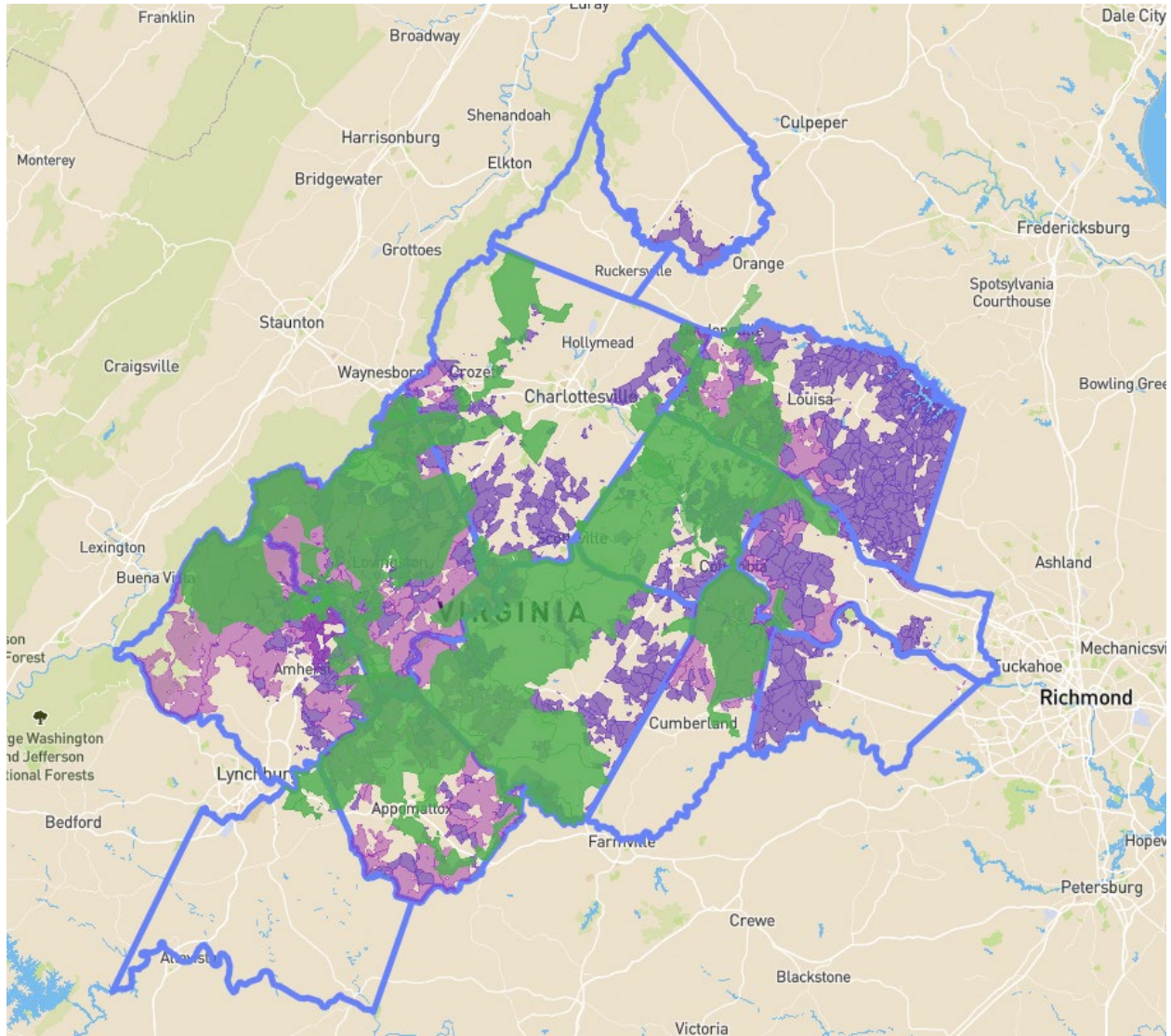
There was no work going in of any volume to achieve universal service. The VATI program only had \$1 million to spread across the entire state. There were no major infrastructure projects underway.

By mid-2022, the CVEC fiber project will be complete and all CVEC members will have access to gigabit speed service. All 38,000 electric accounts will have fiber connections available, and another 2000 off system locations will have access as well with CARES projects and other extensions. The Firefly service territory will look like this:



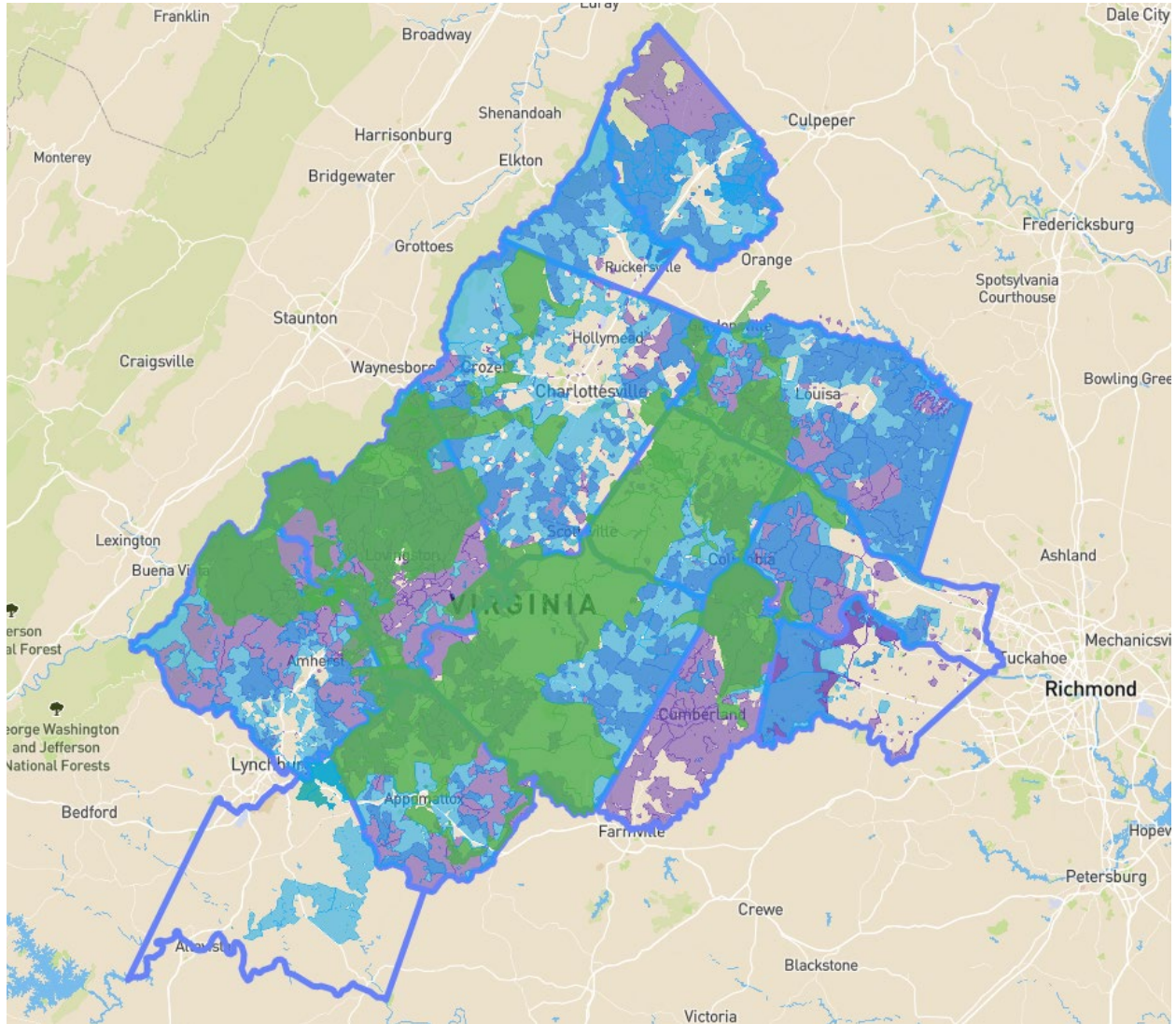


Firefly was formed with a commitment to universal service, but it was not formed to be limited to the CVEC electric service territory. Building fiber outside the CVEC footprint requires Firefly to build on other utilities' facilities which is more expensive. Knowing the communities adjacent to the CVEC territory were also lacking broadband, Firefly has sought ways to bring in funding to offset the cost of reaching those locations. Firefly has been active in FCC auctions for CAF-II and RDOF funding to help expand service to those without options. Some of that funding helped offset costs of construction inside the CVEC territory but the Firefly commitments now go into several adjacent areas. The map below shows the Firefly CAF-II (lavender) and RDOF (purple) areas:



Firefly then began looking for off system partners to help reach the unserved in these communities. With partnerships in place with Rappahannock Electric Cooperative and Dominion Energy, the last limiting factor was the funding to help keep capital investment to a level that allows Firefly to maintain their affordable rates. When Governor Northam and the General Assembly committed \$700 million to the VATI program, it created a once in a lifetime opportunity to construct the rest of the regional network and provide truly universal broadband access in the counties of central Virginia.

This proposal, under the regional leadership of the Thomas Jefferson Planning District, will expand access over the next three years to fill in the uncolored areas of the map like this:



The map includes the coverage areas in purple for the other ISPs in Cumberland and Madison. It also includes the ReConnect Round 2 grant area for Firefly. It does not include the additional work being done by two ISPs in Campbell County which will result in that county also having universal coverage.



The central Virginia broadband map has come a long way in the last three years. With this project it can become a completed canvas, indicating that every home and business in a 13-county region will have access to broadband. The project touches 13 counties who want broadband for all their citizens. It includes parts of five regional planning districts. It brings together three electric utilities in a partnership and covers territory in two other utilities territory. It combines the benefits of federal, state, and local funding from several programs and agencies.

TJPDC, the 13 counties and the construction partners of Dominion, REC and Firefly will realize their common goal of universal service for this entire region. It also will satisfy the inherent drive within Firefly to provide universal broadband access in the same way that its parent CVEC provides universal electric access. This proposal is a once in a lifetime opportunity for the region to achieve universal broadband availability.