

Application to DHCD Submitted through CAMS

Chesterfield County

Chesterfield County Broadband Universal Coverage

Application ID: 86508302021170606

Application Status: Pending

Program Name: Virginia Telecommunications Initiative 2022

Organization Name: Chesterfield County

Organization Address: 9901 Lori Road
Chesterfield, VA 23832

Profile Manager Name: Barry Condrey

Profile Manager Phone: (804) 748-1590

Profile Manager Email: Condreyba@chesterfield.gov

Project Name: Chesterfield County Broadband Universal Coverage

Project Contact Name: Barry Condrey

Project Contact Phone: (804) 748-1590

Project Contact Email: Condreyba@chesterfield.gov

Project Location: 9901 Lori Road
Chesterfield, VA 23832-6626

Project Service Area: Chesterfield County

Total Requested Amount: \$7,816,800.00

Required Annual Audit Status: No Current Audits Found

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Budget Information:

Cost/Activity Category	DHCD Request	Other Funding	Total
Telecommunications	\$7,816,800.00	\$2,500,000.00	\$10,316,800.00
Construction	\$7,035,120.00	\$2,250,000.00	\$9,285,120.00
Construction Related Soft Costs	\$781,680.00	\$250,000.00	\$1,031,680.00
Total:	\$7,816,800.00	\$2,500,000.00	\$10,316,800.00

Budget Narrative:

Questions and Responses:

1. Project Description and Need

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

Answer:

Chesterfield County (“Partner” or “County”) and Comcast of Virginia, LLC (“Comcast”) appreciate the opportunity to respond to the Commonwealth of Virginia’s Department of Housing and Community Development’s (“DHCD”) Virginia Telecommunication Initiative (“VATI”) with respect to deploying broadband infrastructure to eligible service areas in the County. As detailed further below, we propose to deploy qualifying broadband service to 671 households, 54 businesses and 1 anchor institutions.

The geographic area for this proposed project (the “Chesterfield County Project”) includes approximately 150 miles of infrastructure generally dispersed throughout area of Chesterfield County, with a concentration in the rural southern and western parts of the County, as noted on the attached Project Area map and further detailed below.

The proposed project implements true universal broadband coverage in Chesterfield County. As such, the project area is designed to be the entire county. The project area was selected after consultation between the County and Comcast and meets the eligibility criteria established by the Virginia General Assembly and the Department of Housing and Community Development for a Virginia Telecommunication Initiative award. VATI eligibility criteria being more restrictive than that of some federal programs, the project area was also selected to meet eligibility criteria for the Coronavirus State Fiscal Recovery Fund and/or the Coronavirus Local Fiscal Recovery Fund established under the American Rescue Plan Act.

Comcast proposes to extend its network so that currently unserved homes and businesses in the project area are serviceable with broadband speeds of up to 1.2 gigabit per second (“Gbps”) over a hybrid fiber coaxial network for residential customers and 10 Gbps for Business customers.

The County has researched internet service availability, including soliciting community engagement. The County has received many comments from citizens and businesses on the lack of adequate internet in areas of the County. In addition, the County has worked with several ISPs to identify areas where better internet service is needed. This information led to the universal broadband approach, identifying all unserved areas of the County that should be targeted for internet service.

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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:

There are two wireline broadband providers in Chesterfield County; Comcast and Verizon. There are no fixed wireless providers. Two wireless internet service providers were contacted during the formation of the project; All Points Broadband and RiverStreet Networks, both confirmed there are no fixed wireless services in Chesterfield County.

Verizon provides a range of speeds up to 1 gigabit for residential and business service through the Fios network. Comcast service tiers are detailed in section 8. Verizon was contacted on June 24th, and again on July 7th and invited to express their interest in partnering on broadband projects. Outreach was again attempted on August 4th and 5th.

Via email communications, submitted as "Attachment 19 – Verizon Response to Project Inquiry", Verizon made their wishes very clear that they did not wish to step outside the franchise agreement for partnering on any broadband projects. The Fios Franchise Service manager (Ms. Louise Anderson) as well as the State & Local Government Affairs manager (Matt Ogburn) were consulted about the Verizon position on this.

The Verizon Fios website (<https://go.verizon.com/residential>) was used to determine availability of service for Chesterfield County addresses. All proposed addresses are outside of existing Verizon Fios service areas for eligible service.

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:

As noted on the attached map "Attachment 2 – Documentation on Federal Funding Area", there are several small areas identified from federal grant programs. The federal grant programs Rural Digital Opportunity Fund (RDOF) and Connect America Funds II (CAF) are noted on the map, and occupy a very small portion of the county. One RDOF area is in overlap with the proposed project area for a minimal number of locations.

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:

As noted on the attached map "Attachment 3 – RDOF Awarded Areas included in VATI Application", there is one RDOF area of note at the south west corner of Qualla road and State Route 288. There are seven (7) unserved residential addresses included in the proposed project that fall within this RDOF area. This area spans two census blocks: 510411010132014 and 510411010132015. This represents less than 1% overlap between RDOF and the proposed project area.

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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:

The project area is unserved based on data available through the FCC's publicly available Form 477 website and from broadband providers. Chesterfield County conducted extensive outreach with existing wireline, wireless, and satellite internet service providers to determine if the areas proposed as part of the grant application had access to broadband internet service. Comcast and Chesterfield County anticipate no service overlap within the project area as there are no current broadband providers. While FCC Form 477 data shows providers offering internet service in this area, Chesterfield County has verified that none of these providers offer service that would result in classifying the project area as served according to VATI guidelines.

The proposed project area is 100% unserved. There are no fixed wireless providers in Chesterfield county, and none within range from other counties. The unserved locations in the project have no wireline provider, as verified by the incumbent providers. The overlap is 0%.

Chesterfield followed a data driven approach to establish the initial list of served and unserved locations in Chesterfield. Using the county geospatial information system, a list of all street addresses was compiled and programmatically checked against the two providers public websites application programming interfaces (APIs) to establish availability of services, resulting in a list of served and unserved addresses by provider. Addresses that were unserved by both Comcast and Verizon were consolidated into one list. Each unserved address was reviewed, and non-eligible addresses were eliminated (vacant land, green space, parcels with no improvements / buildings). The resulting list contained parcel addresses which have dwellings, and no broadband service (according to the providers). The unserved list was further audited manually to ensure accuracy. The results of a resident broadband survey were used to verify availability. The list was refined by the co-applicant, Comcast, to ensure all unserved addresses were included.

In summary, the project area is unserved based on data available through the FCC's publicly available Form 477 website, broadband providers, and according to Chesterfield County residents.

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.
- 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)
 - 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.
 - 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.
 - 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.
 - 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:

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a. Passings Breakdown

Comcast will extend service to 671 unserved homes, 54 unserved businesses, and 1 unserved anchor institutions within the area provided in this application.

Much of the 150 miles of new fiber infrastructure will be installed in the western part of the Chesterfield County. This area is experiencing significant growth and private investment with businesses and institutions planned for the route 360 corridor.

The School Board identified 63,000 K-12 students located in the Chesterfield County Project area.

The Chesterfield County Commissioner of the Revenue identified 54 businesses (some home-based) in the project area.

b. RDOF Passings

The Chesterfield County project area contains 7 residential passings in one Rural Digital Opportunity Fund ("RDOF") eligible area, as noted in Attachment 3.

c. Passings with special construction costs

All construction costs are included in the project costs in response to question 13. No additional costs will be borne by residents, businesses, or anchor institutions. Two thirds of the broadband connections provided by the proposed project represent properties with extended setbacks from the public right-of-way, making access financially impossible for residents. These residents will be increasingly difficult or impossible to connect without grant funding.

d. Passings with special construction costs budgeted in application

The total number of passings which will have special construction costs budgeted into the VATI application is 526. The Chesterfield County geospatial information system (GIS) was used to determine, for each passing, the distance from the service line to the primary dwelling on the property. The planimetrics included in the GIS provided coordinates for the primary dwellings and allowed the distance calculation. Co-applicant Comcast reviewed and adjusted the information based on their internal systems. It will be financially impossible to extend service to these homes without grant funding.

e. Number of passings with 10/1 mbps or less.

Based on data available through the FCC's publicly available Form 477 website, provider websites, resident surveys and physical inspection Comcast estimates there are 726 passings in the Project Area that have access to Internet speeds of 10/1 Mbps or less.

Comcast and the County performed an internal analysis of passings that do not have access to Internet speeds of 10/1 Mbps or less in census blocks from the Form 477 website showing existing Comcast service.

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

Answer:

N/A

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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:

To support the growing needs of the digital world, Comcast is working hard to make its network smarter, by leveraging cloud, backbone, and architecture advancements to provide a faster, stronger, and more flexible network. By optimizing traffic routing and moving resources closer to where they are needed, our network provides the key to managing the ever increasing traffic demands of today's Internet.

Upon completion of the project Comcast will offer the following services:

High-Speed Internet Services. Comcast's robust high-speed Internet services provide a range of fast, reliable Internet speed tiers to fit customers' needs, as well as access to over 20 million secure Wi-Fi hotspots nationwide so that customers can stay connected on the go. Customers also have access to the Xfinity app to optimize their home connections, view their plans, pay their bills, and get 24/7 real-time support.

Video Services. Comcast also offers a broad variety of video services, primarily through our X1 platform, an IP and cloud-enabled video platform that delivers the simplest, fastest, and most complete way for customers to access all their entertainment on all their screens. Video customers have access to hundreds of channels depending on the level of service, which typically range from limited basic service with access to between 20 and 60 channels to full service with access to more than 300 channels.

VoIP Services. In addition, Comcast offers voice services using interconnected Voice over Internet Protocol technology. Service options provided include either unlimited or usage-based local and domestic long-distance calling, as well as options for international calling plans, voicemail, readable voicemail, nuisance call blocking tools and various call features such as caller ID and call waiting.

Xfinity Mobile. Furthermore, Comcast offers wireless services for handsets, tablets and smart watches using mobile virtual network operator rights to provide the services over Verizon's wireless network and our existing network of more than 20 million in-home and outdoor Wi-Fi hotspots.

Comcast Business Services. Comcast Business Services offers a variety of products and services to businesses. Our service offerings for small business locations primarily include high-speed Internet services, as well as voice and video services, that are similar to those provided to residential customers, cloud-based cybersecurity services, wireless backup connectivity, advanced Wi-Fi solutions, video monitoring services and cloud-based services that provide file sharing, online backup and web conferencing, among other features.

Customer Service. In addition to Comcast's deep experience as a communications service provider offering a variety of services, Comcast also has the appropriate number of technicians, call center agents and backend support employees to care for additional customers.

As detailed in the table below, upon completion of the project, Comcast will be able to offer customers multiple choices of residential and commercial broadband services, depending on the customers' specific needs:

Residential Service Tiers

Tier

Speeds Up To

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Standalone Pricing

With Xfinity TV or Voice Service

Performance Starter

50 Mbps / 5 Mbps

\$54.95

\$49.95

Performance

100 Mbps / 5 Mbps

\$80.95

\$64.95

Performance Pro

200 Mbps / 5 Mbps

\$95.95

\$79.95

Blast!

400 Mbps / 10 Mbps

\$100.95

\$84.95

Extreme Pro

800 Mbps / 15 Mbps

\$105.95

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\$89.95

Gigabit

1.2 Gbps / 35 Mbps

\$110.95

\$94.95

Gigabit Pro

2 Gbps / 2 Gbps

\$299.95

N/A

Comcast Business Tier

Tier

Speeds Up To

Business Internet 100

100 Mbps / 15 Mbps

Business Internet 200

200 Mbps / 20 Mbps

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Business Internet 300 Plus

300 Mbps / 30 Mbps

Business Internet 600

600 Mbps / 35 Mbps

Business Internet 1G

1.2 Gbps / 35 Mbps

Note: Prices do not include equipment or applicable taxes, fees and surcharges.

In addition to the multiple residential broadband options above, Comcast also makes available its Internet Essentials program to qualifying low-income customers in its service areas, which is the nation's largest, most successful, and most comprehensive broadband adoption program for low-income households, and Comcast's number one community impact initiative. Internet Essentials currently provides customers with broadband service at speeds of up to 50 Mbps/5 Mbps for \$9.95/month plus applicable taxes, fees and surcharges, as well as free digital skills training in person and online. Customers also have the option to purchase a low-cost Internet-ready computer.

Since launching in 2011, Comcast has made dozens of improvements to the program, including expanding eligibility 12 times—bringing Internet Essentials to new audiences such as public housing residents, low-income veterans, seniors, community college students, and most recently, to all qualified low-income households living in Comcast's service area. Comcast has also increased the speeds for Internet Essentials, with the most recent speed increase to 50 Mbps/5Mbps occurring earlier this year. Since 2011, Internet Essentials has connected a cumulative total of more than ten million Americans to the Internet.

In addition, Comcast customers who subscribe to an Xfinity Internet package will have access to Xfinity WiFi hotspots, including those that would be newly added to the Project, for no additional cost. Comcast has the country's largest WiFi network, including more than 20 million hotspots nationwide.

As is Comcast's usual practice through its footprint, Comcast will support all customers in the Project with call centers as well as self-service options such as digital and chat. Many customers take advantage of Comcast's different tools, including the MyAccount feature within the Xfinity app, which is available on the web and mobile devices.

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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:

Comcast has built a fiber backbone at the core of its network that stretches across the country with more than 191,000 route miles of fiber— using the industry's most advanced optics/lasers and IP routing technologies. Dozens of converged regional area networks interconnect to create this fiber backbone that delivers video, voice, and high-speed Internet services to tens of millions of customers throughout the country. IP technology ties all of this together, creating a highly scalable connectivity platform or "IP core." Comcast has been building fiber into its network incrementally over the past decade. In 2015, Comcast introduced Gigabit Pro, the industry's first residential fiber-to-the-home 2 Gbps service ever offered by an Internet service provider in the United States.

Comcast proposes to construct the project with a highly scalable hybrid fiber-coaxial ("HFC") solution, emanating from the closest facility to the project. Fiber-optic cables would be constructed to the service area, commonly referred to as a serving node, where optical signals would be converted to electrical or radio frequency for distribution over the coaxial network to subscriber's homes, businesses, and/or community anchor institutions.

Currently, Comcast employs Data Over Cable Service Interface Specification (DOCSIS) 3.1 technology in its broadband network infrastructure, and plans to use DOCSIS 3.1 for this project. DOCSIS is an international telecommunications standard that permits the addition of high bandwidth data transfer to an existing cable TV system. The technology is employed by many cable operators to provide Internet access over existing HFC infrastructure. DOCSIS is a proven, flexible protocol which offers the technological foundation upon which Comcast can meet any current or future anticipated need. As a highly scalable technology, it has, to-date, allowed Comcast to enhance the residential broadband speeds it offers from 50 Mbps to 1.2 Gbps, an almost 25-fold increase.

DOCSIS 3.1 was introduced in 2013 and will support a maximum downstream capacity of 10 Gbps and maximum upstream capacity of 1-2 Gbps. DOCSIS architecture includes two primary components – a cable modem, located at a customer's home or business, and a cable modem termination system (CMTS), located at the cable system head end. Comcast leases the cable modem to customers as a component of the service, or customers can provide their own modem, and the CMTS for this proposed project is located in Comcast's head end serving the Project area.

The design for the proposed project is based upon the current industry standards as developed by the Society for Cable Television Engineers (SCTE) and Comcast standards of broadband deployment. Comcast utilizes ARRIS cable modems and CMTS devices both of which have been certified by CableLabs for use with DOCSIS technology.

The industry continues to innovate, working through CableLabs, a joint non-profit research and development laboratory, to develop the next iteration of DOCSIS, named 10G. The 10G platform is a combination of technologies that will deliver Internet speeds 10 times faster than today's networks and 100 times faster than what most consumers currently experience. This technological development will allow Comcast to offer gigabit symmetrical service in the coming years over its existing HFC network throughout our entire footprint, as well as lower latencies, enhanced reliability, and better security in a scalable manner. Comcast began field trials of 10G earlier this year. This combination of technologies will result in much faster speeds, more reliability, stronger security, and even lower latency. The network will be able to transmit up to 50% more data, thereby augmenting the quality of video conferencing, telehealth, and connected devices, among many other things. Additional information about these exciting developments is available at <https://www.cablelabs.com/path-10g-2020-update>.

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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:

Comcast is a leading communications provider in the United States, currently operating throughout 39 states and the District of Columbia. With over 31.4 million residential and business services broadband customers, 19 million video customers, and 10.8 million voice customers, Comcast passes over 60 million homes and businesses.

Over the past several decades, Comcast has invested in technology to build an advanced, highly scalable network that delivers among the fastest broadband speeds in the country, ranging from 25 Mbps to 2 Gbps for residential customers and up to 10 Gbps for business customers. Comcast is the nation's largest gigabit Internet provider, and nearly all of our 60 million homes and businesses passed in our service territory can access our ultra-fast Xfinity Gigabit Internet and Comcast Business Gigabit services, including our customers in Virginia. Moreover, approximately 85 percent of our residential High-Speed Internet customers subscribe to speeds of 100 Mbps or higher.

To support the growing needs of the digital world, Comcast is working hard to make its network smarter, by leveraging cloud, backbone, and architecture advancements to provide a faster, stronger, and more flexible network. By optimizing traffic routing and moving resources closer to where they are needed, our network provides the key to managing the ever increasing traffic demands of today's Internet. The powerful combination of our broadband and Wi-Fi network and the cloud is enabling us to innovate and bring transformative products to market, redefining how our customers enjoy entertainment, connect, and communicate inside and outside of their home or office.

We've spent nearly \$30 billion in the last decade building an expansive fiber-dense network comprised of 191,000 route miles that carries an immense amount of traffic and has demonstrated extraordinary performance throughout the pandemic.

The proposed project is true universal coverage in Chesterfield County. The project design provides for 100% availability in the county. Every home, business and institution will have access to high-quality high-speed broadband.

Chesterfield County is responsible for the assignment of all street addresses within the county. All information about the street addresses, parcels, improvements, buildings, placements, and ownership of property is tracked by the county using state of the art technology systems. Each eligible address in Chesterfield County was verified by the two broadband providers to determine if eligible coverage existed for the location. A survey of residents was also used to verify information as well as physical inspection of some locations. This universal broadband coverage project leaves no unserved addresses in the county, there will be no remaining areas of need at the conclusion of the project.

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11. Project Readiness

Describe the current state of project development, including but not limited to: planning, preliminary engineering, identifying easements/permits, status of MOU or MOA, and final design. Prepare a detailed project timeline or construction schedule, identifying specific tasks, staff, contractor(s) responsible, collection of data, etc., and estimated start and completion dates. Applicants 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 grant will enable the partnership to extend broadband service at speeds ranging from 50 mbps to 1.2 Gbps to 726 unserved homes and businesses in the proposed service area. The proposed project area will have access to some of the fastest and most reliable broadband speeds available nationwide.

Comcast has completed the planning and preliminary engineering phase for the proposed project area. Final design and construction shall commence upon the award of the grant. Workflow is included in the attached project management plan. The specific initial tasks include project engineering and right of way preparation. Comcast will need to obtain the necessary permits from the Virginia Department of Transportation and any other government entities as needed. Comcast will work with the County to obtain the necessary permits and power supplies expeditiously. This coordination will need to begin immediately upon notice of the grant award. Comcast anticipates completing the project within 18 months after contract execution between the County and DHCD. As contemplated by the 2022 VATI guidelines, Comcast may request an extension if it encounters permitting, pole attachment, or other circumstances beyond its control which may delay the project timeline.

Comcast Service Delivery Major Milestones:

- Outside and Inside Surveys – Comcast will conduct outside plant and customer site surveys.
- Permits & Right of Entry Agreements – Comcast will obtain required permits and work with property owner to obtain Right of Entry/Access agreements.
- Service Configurations – Comcast National Team will implement Network Core Configurations.
- Outside and Inside Fiber/Coax Construction – Comcast will complete outside and inside construction.
- Customer Premise Equipment Installation/Plant Test Date (PTD) – Comcast will dispatch to the customer's premise to install CPE, connect CPE to Fiber, and call Comcast Test & Turn-up to complete plant test.

Comcast Responsibilities:

- Construct all OSP and ISP fiber optic and coaxial cabling up to the agreed upon locations from the site survey forms and connect [XX] locations.
- Call for locates of public utilities in the right of way.
- Restoration of disturbed grounds.
- Assemble, configure, and install all Comcast provided network equipment on customer premise.
- Test and verify all appropriate fiber and coaxial connections.
- Test and verify all appropriate data interfaces/connections and verify throughput.
- Provide 24x7x365 network monitoring.
- Provide contact list information including escalation procedures and NOC information.
- Provide documentation detail services including customer network interface drawings.
- And any additional agreements per site survey document. Detailed information regarding the customer responsibilities is available in the Technical Specifications section of the proposal. Additional information can be provided upon request.

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

Answer:

Between 2017 and 2020, Comcast received four Virginia Telecommunications Initiative (“VATI”) grants from the Virginia Department of Housing and Community Development, and has now successfully deployed broadband to residences and businesses throughout each of the project footprints.

A summary list of projects is noted below:

2017: Albemarle County – 178 serviceable units

2017: Spotsylvania County – 153 serviceable units

2018: Clarke County – 97 serviceable units

2019: Charles City County – 2,350 serviceable units

The proposed project is the first VATI grant application for Chesterfield County.

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

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The proposed project represents a partnership between Comcast and Chesterfield County. Comcast, the co-applicant, upon award of the VATI grant, will be responsible for any matching funds and will provide the labor and materials to complete the provision of services to the area delineated in the attached map. Comcast will provide approximately 14.5% of the projected construction costs of \$10,316,800, totaling approximately \$1,500,000. Chesterfield County will assist in providing 9.7% of the projected construction costs, via \$1,000,000 cash match. Chesterfield County will also provide in-kind contributions including application analysis and preparation, coordination with the Department of Housing and Community Development, assistance with right of way permitting, and participating in further concert with Comcast as the project is approved and construction begins. The value of these services will depend on the level of activity occurring as the project commences.

A breakdown of costs is attached below.

Name

Locations

Mileage

HP/Mile

Total Cost

Comcast Cost

Chesterfield County Cost

Requested Gap Funding

VATI Gap Funding

Chesterfield County Project

726

150

4.84

\$10,316,800

\$1,500,000

\$1,000,000

\$7,816,800

75.77%

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

Answer:

N/A – there is no leverage funding being provided. Funding would be provided by DHCD, Chesterfield County and Comcast, as noted on Attachment 8 – Funding Sources Table.

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. Take Rate Promotion

Comcast's business model is not dependent upon a particular take rate. Forecasting a take rate with a high degree of accuracy is most challenging as the actual number of customers who choose to subscribe is beyond the parties' control. Comcast's take rate estimate for the project areas is based upon several unique factors. The County's support for the project and involvement with the community is expected to add heightened awareness earlier than might otherwise occur. The public nature of the VATI program is also expected to add to the early awareness of residents of broadband availability and positively enhance the take rate.

All of the factors combined inform our estimate that, on the high end, some 45-55% of residents may take service within the first year after project completion. These projections for overall subscriber levels are dependent on several factors and even an initial prediction may change as the project progresses. Comparisons between applicants may not provide a useful measure of broadband access as each applicant will have different service offerings, marketing campaigns, and other intangibles that could drive take rates.

Comcast does undertake various actions to make residents aware that service is available. During the construction phase, before the service is active, the presence of Comcast vehicles visually alerts residents that service is coming. Comcast personnel involved with the construction in the public rights of way are often asked about availability. Soon after completing construction, Comcast provides notice to potential customers of service availability on a rolling basis. It typically employs various communication tactics to inform residents of availability. These tactics can include direct mail pieces or event sponsorships. These efforts augment existing advertising campaigns already in place within Chesterfield County for Comcast's existing customer base.

If conditions allow, a public meeting will be held in or near the proposed project area to inform the residents about the upcoming work and answer questions. Nearer the completion of the project a public meeting will be held to educate potential customers on the proposed services and to encourage sign-ups and answer questions. The County's Public Information Office will promote the proposed internet service and educate residents and businesses on the opportunities of this service through email and social media.

- b. Digital Literacy Efforts

Chesterfield has executed outreach projects for years to make internet service available to the public and to promote digital literacy. CitizenWiFi, the award-winning public WiFi network has hundreds of access points providing secure access from libraries, parking lots, parks, community centers and public buildings. Chesterfield County Schools distributed 1,631 hotspots to kids for access to virtual learning and resources. In addition, Chesterfield County Schools distributed Chromebooks for all 63,000 students to promote virtual and technology-based learning.

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The Chesterfield Library has taken the lead in pursuing initiatives for Digital Literacy including grant opportunities with the National Network Library of Medicine, the Cameron Foundation, and the Emergency Connectivity Grant. The Chesterfield Library has three programs targeted at digital literacy providing a range of free classes. All can be used from home, or in one of the libraries at one of the public use computers. Chesterfield Libraries also provides Learning PODS, designed to support customers/groups seeking a space for virtual learning, independent studying, team assignments, adult literacy, teleworking and meetings.

The Chesterfield County Economic Development Department has a wide range of programs (<https://chesterfieldbusiness.com/business-assistance/>) to assist businesses including seminars and information on the technology required run a business, outreach to women and minority owned businesses, and a non-profit “Biz Works” focused on making small businesses successful (<http://www.bizworkscenter.org/>);

Last year Comcast announced a multiyear program to launch WiFi connected “Lift Zones” in community centers nationwide. Lift Zones are facilities primarily designed to help provide low-income students with a safe, clean space to participate in distance learning or do homework, however are also available for adults for remote work, apply for a job, or learn digital skills. Comcast partnered with the YMCA of Greater Richmond in 2021 to create a Lift Zone at the Greenleigh Trailer Park facility located at 14006 B Stevehurst Drive in Chester, VA. The initiative provides not only free Internet connectivity, but also access to hundreds of hours of educational and digital skills content to help families and site coordinators navigate online learning.

In addition, Comcast’s Internet Essentials program has a significant digital literacy component. Since 2011, Comcast has made nine enhancements to our digital skills training portfolio, including developing Online Safety Toolkits, working with partners to design best-in-class curricula to engage senior citizens, and providing computer labs and other equipment to support digital participation at community centers across the country. Since creating the program in 2011, Internet Essentials built up an online learning center (accessible at <https://www.internetessentials.com/learning>) that includes more than 200 digital literacy training videos, guides, and reports that are free to anyone to use, including non-customers.

Last year, we created our [Internet Essentials Partnership Program](#) to help schools, school districts, and other community organizations collaborate to fund and connect large numbers of low-income students and families to the Internet at home. Hundreds of schools and school districts have signed up already.

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:

Key individuals and roles are as follows:

Name

Title

Responsibility

Nathan Daugherty

Sr. Manager, Comcast Government Affairs

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Project Coordination

Stephen Hill

Sr. Director Network Engineering

Construction & Project Management

Scott Zaremba

Deputy County Administrator

Project Sponsor

Barry Condrey

County Chief Information Officer

Project Oversight

Dean Jadowski

Director, Project Management Office

Project Management & Reporting

Comcast has significant experience constructing broadband communications facilities. It is a leading communications provider in Virginia, offering video, high-speed Internet, home security, and phone services to residential customers under the Xfinity brand and also providing services to businesses through its Comcast Business suite of products. Comcast has invested in technology to build an advanced network that delivers among the fastest broadband speeds, and brings customers personalized video, communications, and home management offerings. Comcast has invested billions of dollars to create a network across the U.S. that makes broadband widely available, as part of its commitment to provide superior services to its customers.

Since 2011, Comcast made more than \$1.8 billion in technology and infrastructure investments in Virginia to offer reliably fast speeds even during peak use periods. The company has invested significant resources in both local and national Network Operations Centers ("XOC") to ensure continued proactive monitoring of network health.

In Virginia, Comcast employs over 1,900 people. In 2019 it invested more than \$216 million annually in payroll, benefits, and training for its Virginia workforce. The company maintains a large, locally based engineering technical operations team that works around the clock to maintain network reliability and to directly support the company's business and residential customers. For many decades, Comcast, through its Beltway Region, has served over 140 communities in Virginia. Many of these communities are very rural in nature.

Comcast has experience partnering with public agencies to deploy broadband infrastructure in unserved areas. As noted above, Comcast was awarded four Virginia Telecommunications Initiative grants in 2018, 2019, and 2020.

In 2018 Comcast also earned a Last Mile Broadband grant from the Virginia Tobacco Region Revitalization Commission to provide broadband access to nearly 7,000 homes and businesses. With construction expected to be complete in 2020 and ahead of schedule, Comcast has already provided access to more homes and addresses than originally estimated.

In Massachusetts, Comcast was awarded a grant of \$4,000,000 from the Massachusetts Technology Collaborative ("Mass Tech") for construction of line extensions to areas in nine towns whose costs to construct exceeded Comcast's

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economic standards. Comcast completed the project on time, on budget, and reached 20% more homes than the 1,000 originally anticipated. Comcast was also awarded a grant of \$805,800 by Mass Tech for construction of approximately 27 miles of line extensions in Montgomery, Massachusetts, a town which is currently unserved. Comcast is currently deploying broadband in three additional unserved towns in partnership with the MBI.

In 2013 and 2014, Comcast received two grants from the Vermont Telecommunication Authority (“VTA”) totaling \$336,558 to provide service to areas that were economically unfeasible for construction. In 2015 and 2017, the Vermont Department of Public Service (“DPS”) twice awarded Comcast funds from its Connectivity Initiative grant totaling \$359,850. The DPS awarded Comcast another grant to deploy broadband in unserved areas of Cavendish VT. Comcast has either fulfilled or is on schedule to fulfill its grant obligations to the VTA and DPS.

Chesterfield County has a robust project management office (PMO) for technology initiatives. All technology projects are executed within the governance of the PMO, implementing standards from the Project Management Body of Knowledge (PMBOK). Projects are reported monthly for both a schedule performance index as well as a cost performance index, incurring special reviews and assessments when tolerances are exceeded. At any given time between 60 and 80 technology projects are in flight, governed by the PMO. Total capital for the portfolio of active projects exceeds \$35,000,000. Chesterfield County has experience managing the construction and operation of a metropolitan area network composed over over 50 nodes, as well as county-wide public access wifi, CitizenWiFi, available broadly in the county.

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:

Comcast’s Construction and Design team managed projects that added thousands of miles to Comcast’s regional hybrid fiber coaxial network on 2020-2021. Comcast’s construction estimates are determined through a detailed project analysis that includes a desktop survey, an analysis of permitting costs (internal or external), a network impact study to determine necessary hub site preparation and possible infrastructure requirements, and a financial evaluation for overall build costs and likely return-on-investment. When contract labor is utilized, costs are accrued according to the fee schedule in the contract. The design and construction process is standard within the telecommunications industry.

Examples of items that are included in the Material category are: power supplies, fiber conduit, splice enclosures, pedestals, and taps. Examples of items in the Labor category are in-house and contract labor to trench and backfill, lay conduit and fiber, perform administration of VDOT permits, and provide crew supervision

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:

- Total VATI funding request - \$7,816,800
- Number of serviceable units – 726

19.

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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:

a. Businesses & Community Anchors

Analysis shows that 83% of the project area is in the rural part of Chesterfield County, where economic expansion is already taking place. A new elementary school in the area is due to open in Fall of 2022. A new middle school is proposed for the area as well. The proposed project to implement universal broadband in Chesterfield County will eliminate the digital divide and spur development.

Chesterfield is proud to include an important community anchor in the proposed project, Eppington Plantation. A historic jewel of Chesterfield, Eppington Plantation, will be served by this project. Eppington was built in 1768 by Francis Eppes VI, brother-in-law to Thomas Jefferson. Eppes and Jefferson also were close friends and, after Jefferson's wife Martha died in 1782, the newly widowed Jefferson entrusted his two daughters, Maria and Lucy, to the Eppes family while he served as minister to France. This historic community anchor location is a Chesterfield County Historic Landmark, a Virginia Historic Landmark and on the National Register of Historic Places.

b. Unique Partnerships

Chesterfield County Schools and Chesterfield County Government will partner in this project to ensure student households have access to high-quality broadband and can take advantage of the significant digital equity programs (below) offered by Comcast. The county Citizen Information and Resources Department will perform outreach to the LatinX community regarding the broadband benefits available. The Comcast Liftzones, a partnership between Comcast, Greater Richmond YMCA and Chesterfield County, will bring significant resources to an economically challenged part of the county, on the Route 1 corridor in the Greenleigh Trailer Park.

c. Digital Equity Efforts

Under Comcast's Internet Essentials offering – the most comprehensive and successful low-income broadband adoption program in the nation – qualifying residential customers can obtain broadband service at speeds of up to 50 Mbps/5 Mbps for \$9.95/month plus applicable taxes, fees and surcharges, as well as free digital skills training in person and online. Customers also have the option to purchase a low-cost Internet-ready computer. Internet Essentials is open to virtually *all* low-income households within Comcast's footprint, including families that qualify for federal assistance (e.g., National School Lunch Program, Medicaid, housing assistance) and low-income veterans, senior citizens, and persons with disabilities.

Moreover, Comcast is proud to be an approved provider supporting the FCC's Emergency Broadband Benefit (EBB) subsidy program. Under the temporary EBB subsidy, qualifying customers may apply a credit of up to \$50 per month (\$75 per month in Tribal lands) to any Xfinity Internet service tier, including Internet Essentials.

Last year Comcast launching the new "Internet Essentials Partnership Program," which is designed to help accelerate Internet adoption as distance learning plans roll out across the county due to the coronavirus. The program relies on

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public-private partnerships and enables communities to work together to coordinate funding to help connect K-12 students, including two months of free Internet service for new Internet Essentials customers.

Chesterfield Libraries promotes digital literacy at every branch, providing access to three digital literacy programs available in Library at public use stations or at home:

1. CCLearnFree.org - More than 100 free computer tutorials are available in English and Spanish. Improve digital technology skills. Or work on job skills, math and reading, and much more.
2. [DigitalLearn.org](https://www.digitallibrary.org/) -Video tutorials on a range of computer topics including computer basics, connecting with others online, Internet safety, job search skills, and more. Available in English and Spanish.
3. Universal Class - Continue your education online and to fulfill your lifelong learning goals. Courses are not just tutorials; they are real classes that include lessons, exams, assignments, discussion boards and actual assessments to help you learn and grow.

Chesterfield County and Comcast are well positioned to leverage universal availability of broadband and demonstrate the Commonwealth priorities, and are doing so even now.

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:

Attachment 17 - Comcast Digital Literacy & Equity Programs

Attachment 18 - Comcast Rate Card

Attachment 19 - Verizon Response to Project Inquiry

Attachments:

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Map(s) of project area, including proposed infrastructure

Attachment1Projectareamap914202151755.pdf

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

Attachment2DocumentationofFederalFundingArea9142021104053.pdf

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

Attachment3RDOFAwardedAreasincludedinVATIApplication9142021104121.pdf

Documentation that proposed project area is unserved based on VATI criteria

Attachment4DocumentationUnservedAreaVATICriteria9142021104136.pdf

Passings Form (Use template provided)

Attachment5PassingsForm914202174510.pdf

Propagation Map if Wireless Project

Attachment6PropagationMap914202144522.pdf

Timeline/Project Management Plan

Attachment7TimelineProjectMgmtPlanChesterfieldCounty914202144559.pdf

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

Attachment8MOUMOAbetweenApplicantCoAppliantDRAFT9142021104153.pdf

Funding Sources Table (Use template provided)

Attachment9FundingSourcesTable9142021104204.pdf

Documentation of Match Funding

Attachment10DocumentationofMatchFunding914202154558.pdf

Letters of Support

Attachment11LettersofSupport9142021104225.pdf

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Derivation of Cost/Project Budget (Use template provided)

Attachment12DerivationofCosts914202144808.pdf

Documentation of Supporting Cost Estimates

Attachment13ChesterfieldDocumentationofSuppotingCostEstimates914202144819.pdf

Two most recent Form 477 submitted to the FCC or equivalent

Attachment14TwomostrecentForm477submittedtotheFCCCorequivalent914202145015.pdf

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

Attachment15PointandPolygonShapefiles914202151706.zip

For wireless applicants: shapefiles, in .zip file form, indicating RSSI projections in the application area

Attachment16RSSIProjectionShapefiles914202150240.pdf

Optional

Attachment17ComcastDigitalLiteracyandEquitymaterialsfull914202150403.pdf

Optional

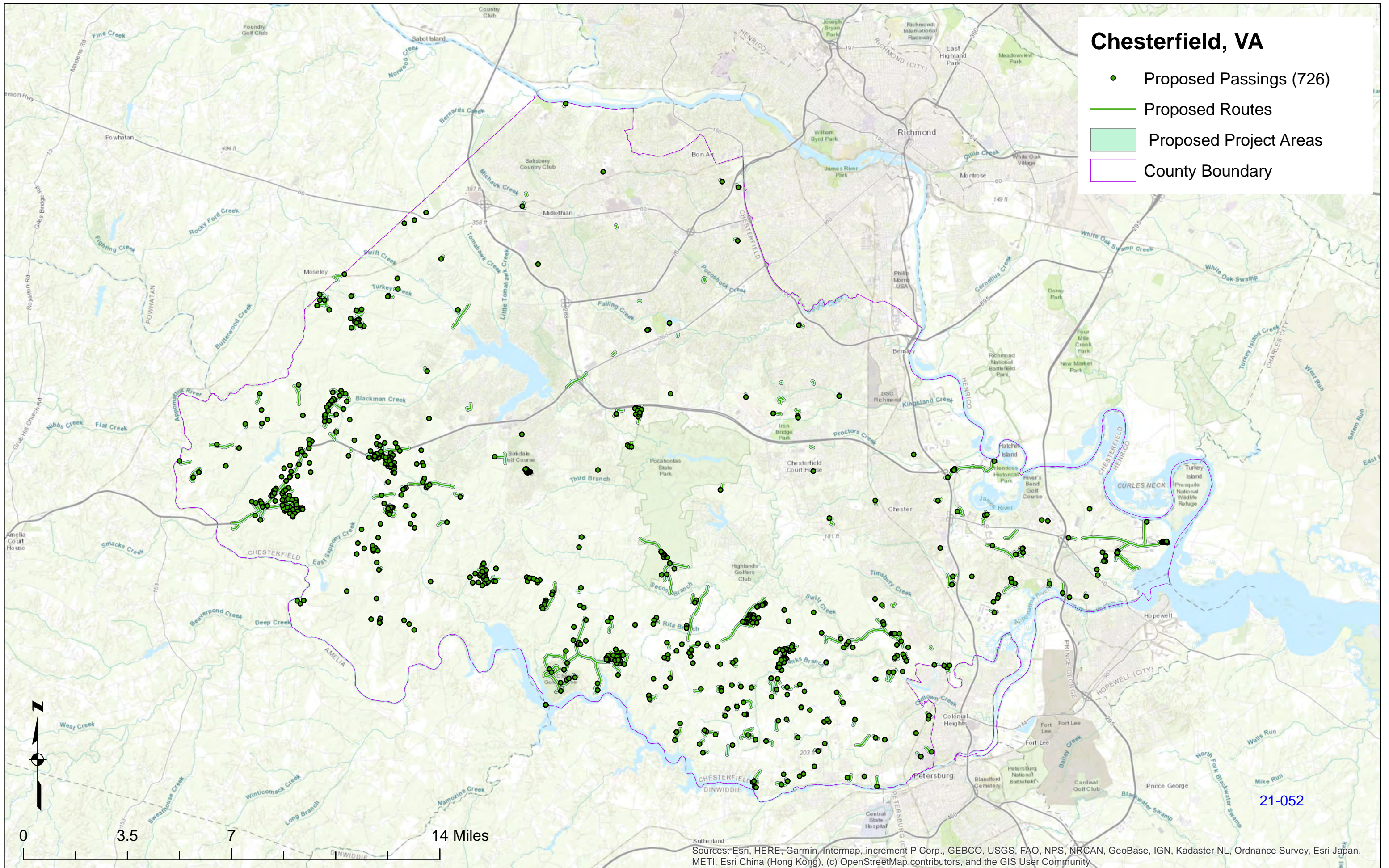
Attachment18ratecardChesterfieldCounty914202150424.pdf

Optional

Attachment19VerizonResponsetoProjectInquiry9142021104243.pdf

Chesterfield, VA

- Proposed Passings (726)
- Proposed Routes
- Proposed Project Areas
- County Boundary

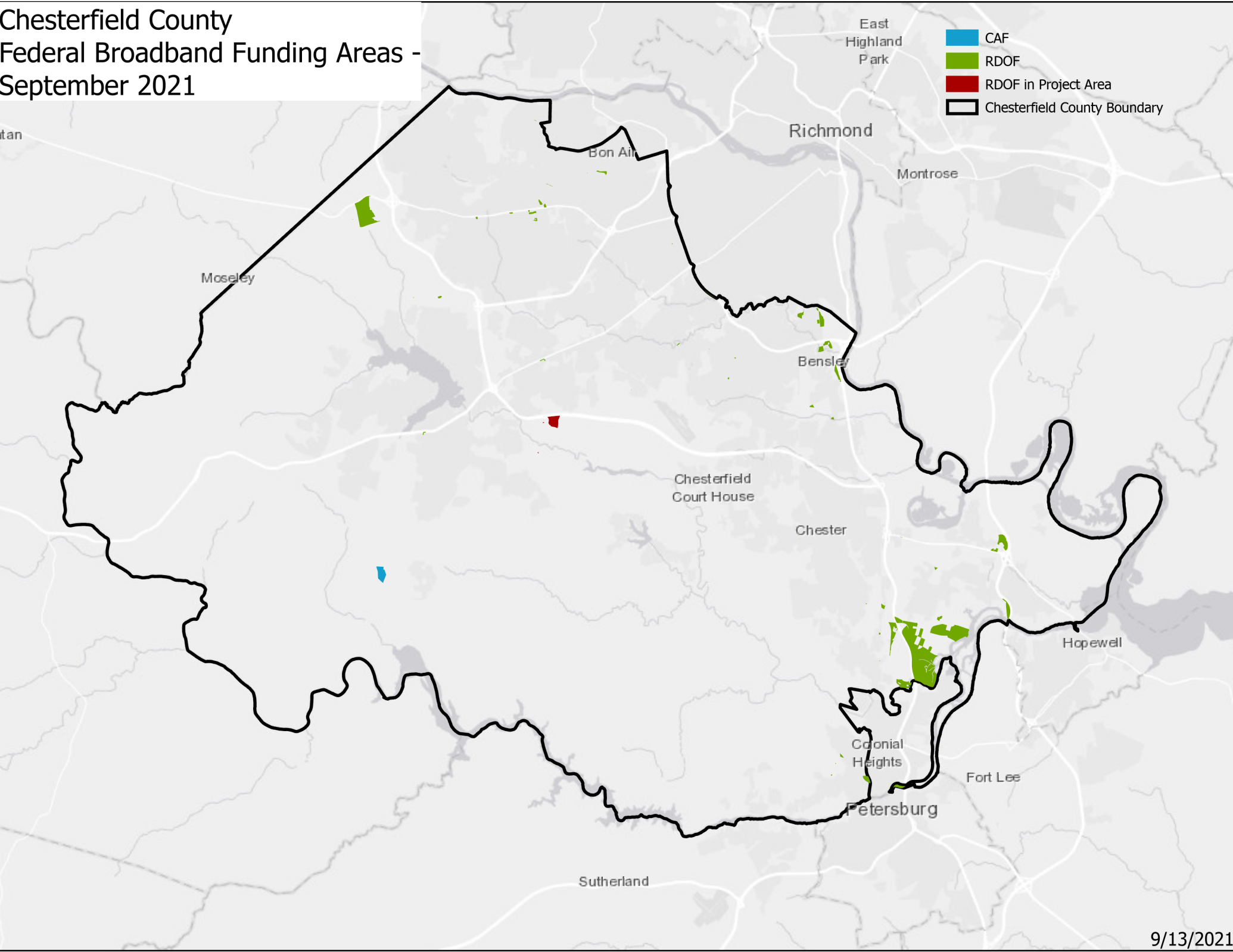


21-052

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Chesterfield County Federal Broadband Funding Areas - September 2021

- CAF
- RDOF
- RDOF in Project Area
- Chesterfield County Boundary



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 ¹
Residential	7
Businesses (non-home based)	0
Businesses (home-based)	0
Community Anchors	0
Non-residential	0
Total Number of RDOF Passings	0

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

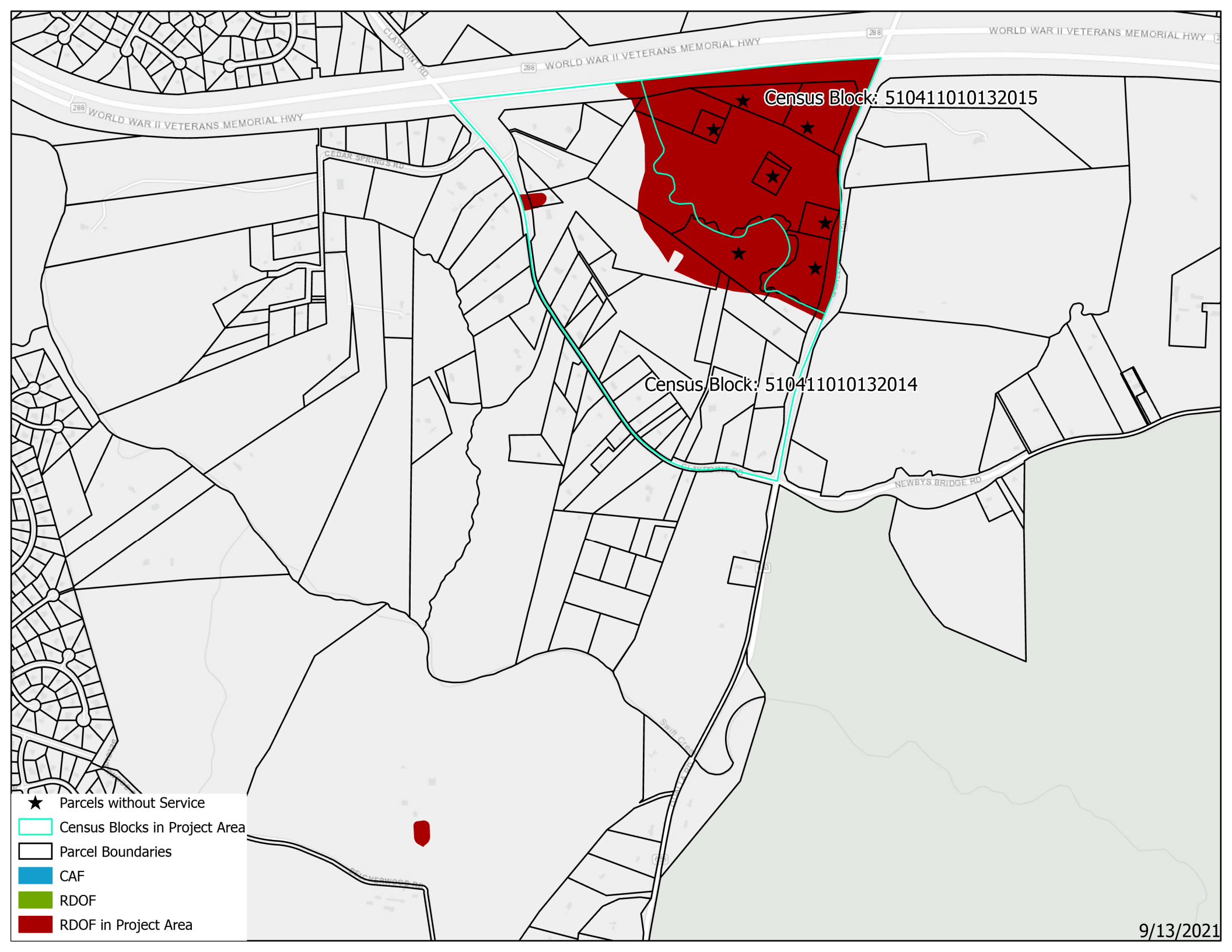
Definitions

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

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

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

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



- ★ Parcels without Service
- ▭ Census Blocks in Project Area
- ▭ Parcel Boundaries
- ▭ CAF
- ▭ RDOF
- ▭ RDOF in Project Area

Attachment 4 – Documentation Unserved Area VATI Criteria

Three VATI criteria define an area as unserved. For each area, the alignment with the proposed project is noted. The methodology for assessing the alignment to the criteria is described as well.

Alignment to Criteria

- 1) **Speed** – Speeds of broadband access in the area are less than 25 megabits upload and 3 megabits download.

Alignment – According to the two providers (Verizon & Comcast) none of the 726 proposed locations in the project have access to broadband at 25/3 or above. Further, none have access to 10/1 service either.

- 2) **Wireless Service Overlap** – Less than 25% overlap between project area and any wireless service area.

Alignment – There are no fixed wireless operators anywhere in the project area.

- 3) **Wireline Service Overlap** – Less than 10% overlap between project area and existing wireline providers.

Alignment – None of the 726 addresses are currently served by a wireline broadband provider, according to the wireline providers and the process that was followed, below.

Process / Methodology

The county followed a data-driven approach to determining eligibility in terms of speed (class of service) and Wireline Service Overlap:

- 1) Each valid street address from the county addressing system of record was checked against the two providers (Comcast & Verizon Fios) websites to establish what services were available. List of addresses was compiled where neither provider offered at least 25/3 service.
- 2) The list was analyzed, and all ineligible parcels were removed such as vacant land, green space, etc.
- 3) Comcast further refined the list by using their internal tools and records.
- 4) Comcast performed visual inspection of some locations.
- 5) Resident broadband survey was used to verify unserved in the list as well.

The resulting 726 addresses represent the unserved residential addresses, home-based businesses and community anchors which do not have broadband service currently in Chesterfield County. Two thirds of the locations represent properties with extended setbacks to the public right-of-way, making access financially impossible for residents. These will be increasingly difficult to connect without grant funding.

Please see the following list of 726 addresses, these define universal access for Chesterfield County.

Attachment 4 - Documentation Unserved Areas VATI Criteria

Property Address	Property Zip	Comcast Service	Verizon Service
10601 WOODPECKER RD	23838	n	n
10701 WOODPECKER RD	23838	n	n
10805 WOODPECKER RD	23838	n	n
10811 WOODPECKER RD	23838	n	n
10821 WOODPECKER RD	23838	n	n
10841 WOODPECKER RD	23838	n	n
10851 WOODPECKER RD	23838	n	n
12050A IVEY MILL RD	23838	n	n
12210A IVEY MILL RD	23838	n	n
1301 BERMUDA HUNDRED RD	23836	n	n
13220 SECOND BRANCH RD	23838	n	n
13300 SECOND BRANCH RD	23838	n	n
13301 BLUE HERON LP	23838	n	n
13303 SANDY SHORE MW	23838	n	n
13348 CORAPEAKE TR	23838	n	n
13419 PUNGO TR	23838	n	n
13721A ALLIED RD	23836	n	n
13741A ALLIED RD	23836	n	n
13801A ALLIED RD	23836	n	n
13813 RAMBLEWOOD DR	23836	n	n
1400 MANGROVE BAY TR	23836	n	n
14011 SPRUCE AV	23836	n	n
14506 FOREST ROW TL	23112	n	n
14512 FOREST ROW TL	23112	n	n
14518 FOREST ROW TL	23112	n	n
14524 FOREST ROW TL	23112	n	n
14530 FOREST ROW TL	23112	n	n
14536 FOREST ROW TL	23112	n	n
14542 FOREST ROW TL	23112	n	n
14543 FOREST ROW TL	23112	n	n
14549 FOREST ROW TL	23112	n	n
14554 FOREST ROW TL	23112	n	n
14555 FOREST ROW TL	23112	n	n
14561 FOREST ROW TL	23112	n	n
14567 FOREST ROW TL	23112	n	n
14573 FOREST ROW TL	23112	n	n
14600 FOREST ROW TL	23112	n	n
14601 FOREST ROW TL	23112	n	n
14607 CHESDIN SHORES TR	23838	n	n
14607 FOREST ROW TL	23112	n	n
14612 FOREST ROW TL	23112	n	n
14618 FOREST ROW TL	23112	n	n
14619 FOREST ROW TL	23112	n	n
14624 FOREST ROW TL	23112	n	n
14625 FOREST ROW TL	23112	n	n
14631 FOREST ROW TL	23112	n	n
14637 FOREST ROW TL	23112	n	n
14737 GAMBLERS COVE LN	23836	n	n
1506 MANGROVE BAY TR	23836	n	n
15107 CHESDIN GREEN WY	23838	n	n
1512 MANGROVE BAY TR	23836	n	n
15710 N RHODES LN	23838	n	n
15801 N RHODES LN	23838	n	n
15901 N RHODES LN	23838	n	n
15901 SANDY FORD RD	23838	n	n
16100 N RHODES LN	23838	n	n
16220 N RHODES LN	23838	n	n
16222 N RHODES LN	23838	n	n
16401 CLOVER HILL RD	23838	n	n
16600 EXTER MILL RD	23838	n	n
16701 BRANDERS BRIDGE RD	23831	n	n
1701 PORT WALTHALL DR	23834	n	n
1704 COXENDALE RD	23836	n	n
18101 LE MASTER RD	23803	n	n
18420A HULL STREET RD	23120	n	n
18421A HULL STREET RD	23120	n	n

Attachment 4 - Documentation Unserved Areas VATI Criteria

18610A HULL STREET RD	23120	n	n
18611A HULL STREET RD	23120	n	n
18700A HULL STREET RD	23120	n	n
1907A COXENDALE RD	23836	n	n
1907 COXENDALE RD	23836	n	n
19206 BRANDERS BRIDGE RD	23834	n	n
20919 SECOND AV	23803	n	n
21001 SECOND AV	23803	n	n
21301 PENMAR DR	23803	n	n
21531 GENITO RD	23120	n	n
21921A HULL STREET RD	23120	n	n
2405 ARROWFIELD RD	23834	n	n
3219 BEATRICE LN	23236	n	n
3231 BEATRICE LN	23236	n	n
3619 BAILEY FARM RD	23120	n	n
3701 BAILEY FARM RD	23120	n	n
3800 BAILEY FARM RD	23120	n	n
400 COXENDALE RD	23836	n	n
4501 BERMUDA HUNDRED RD	23836	n	n
4505 BERMUDA HUNDRED RD	23836	n	n
4509 BERMUDA HUNDRED RD	23836	n	n
4513 BERMUDA HUNDRED RD	23836	n	n
4605 BERMUDA HUNDRED RD	23836	n	n
4609 BERMUDA HUNDRED RD	23836	n	n
4612 BERMUDA HUNDRED RD	23836	n	n
4618 BERMUDA HUNDRED RD	23836	n	n
5024 LONG CREEK LN	23831	n	n
5112 LAUREL PARK CT	23120	n	n
5500 VININGS DR	23234	n	n
6110 CEDAR SPRINGS RD	23832	n	n
6121 MAGNOLIA COVE CT	23831	n	n
6300 QUALLA RD	23832	n	n
6751 LOLLYS RN	23832	n	n
700 RUFFIN MILL RD	23834	n	n
7367 JAHNKE RD	23225	n	n
8000 QUALLA RD	23832	n	n
8317A DOSS RD	23120	n	n
8401A DOSS RD	23120	n	n
8451A DOSS RD	23120	n	n
8500A DOSS RD	23120	n	n
8501A DOSS RD	23120	n	n
8601A DOSS RD	23120	n	n
8606A DOSS RD	23120	n	n
8630 REEDY BRANCH RD	23838	n	n
8700A DOSS RD	23120	n	n
8706A DOSS RD	23120	n	n
8713A DOSS RD	23120	n	n
8801A DOSS RD	23120	n	n
8900A DOSS RD	23120	n	n
9011 BARRETTA LN	23838	n	n
13300 SHORE LAKE TURN	23838	n	n
1412 CHAPLIN BAY DR	23836	n	n
1419 CHAPLIN BAY DR	23836	n	n
14632 NORTHWOOD DR	23838	n	n
15781 N RHODES LN	23838	n	n
1610 COXENDALE RD	23836	n	n
4410 KELMARBI RD	23834	n	n
4640 TREELY RD	23831	n	n
4901 HICKORY RD	23803	n	n
6101 QUALLA RD	23832	n	n
6208 QUALLA RD	23832	n	n
7710 COTFIELD RD	23237	n	n
7801 CREEK SIDE CT	23235	n	n
8701A DOSS RD	23120	n	n
22320 HULL STREET RD	23120	n	n
18421 HULL STREET RD	23120	n	n
14925 RIVER RD	23838	n	n

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8621 DOSS RD	23120	n	n
12210 IVEY MILL RD	23838	n	n
8706 DOSS RD	23120	n	n
21511 SAPPONY RD	23120	n	n
8317 DOSS RD	23120	n	n
18700 HULL STREET RD	23120	n	n
8900 DOSS RD	23120	n	n
12706 VEST RD	23838	n	n
14920 RIVER RD	23838	n	n
18611 HULL STREET RD	23120	n	n
21601 SAPPONY RD	23120	n	n
18420 HULL STREET RD	23120	n	n
21702 HULL STREET RD	23120	n	n
13901 N IVEY MILL RD	23838	n	n
8701 DOSS RD	23120	n	n
9 LAKE CHESDIN	23803	n	n
16901 BEACH RD	23838	n	n
8451 DOSS RD	23120	n	n
22700 HULL STREET RD	23120	n	n
13721 ALLIED RD	23836	n	n
21450 HULL STREET RD	23120	n	n
19820 DUVAL RD	23120	n	n
14811 RIVER RD	23838	n	n
20150 DUVAL RD	23120	n	n
8500 DOSS RD	23120	n	n
21901 HULL STREET RD	23120	n	n
12050 IVEY MILL RD	23838	n	n
18610 HULL STREET RD	23120	n	n
12119 IVEY MILL RD	23838	n	n
8224 DOSS RD	23120	n	n
13801 ALLIED RD	23836	n	n
6 LAKE CHESDIN	23803	n	n
22101 SAPPONY RD	23120	n	n
17100 BEACH RD	23838	n	n
14910 RIVER RD	23838	n	n
14806 RIVER RD	23838	n	n
8601 DOSS RD	23120	n	n
8606 DOSS RD	23120	n	n
8316 DOSS RD	23120	n	n
8713 DOSS RD	23120	n	n
12 LAKE CHESDIN	23803	n	n
22110 HULL STREET RD	23120	n	n
21600 SAPPONY RD	23120	n	n
8 LAKE CHESDIN	23803	n	n
18701 HULL STREET RD	23120	n	n
8801 DOSS RD	23120	n	n
8411 DOSS RD	23120	n	n
8501 DOSS RD	23120	n	n
13731 ALLIED RD	23836	n	n
8302 DOSS RD	23120	n	n
8700 DOSS RD	23120	n	n
14801 RIVER RD	23838	n	n
13741 ALLIED RD	23836	n	n
8607 DOSS RD	23120	n	n
17811 HULL STREET RD	23120	n	n
21921 HULL STREET RD	23120	n	n
18617 HULL STREET RD	23120	n	n
22600 SAPPONY RD	23120	n	n
16200 Rhodes Lane	23838	n	n
16220 Rhodes Lane	23838	n	n
16100 Rhodes Lane	23838	n	n
15781 Rhodes Lane	23838	n	n
15801 Rhodes Lane	23838	n	n
15725 Rhodes Lane	23838	n	n
15901 Rhodes Lane	23838	n	n
10001 TAYLOR RD	23838	n	n
10030 TAYLOR RD	23838	n	n

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10100 BEAVER BRIDGE RD	23838	n	n
10113 TAYLOR RD	23838	n	n
10201 TAYLOR RD	23838	n	n
10220 JEFFERSON DAVIS HY	23237	n	n
10225 TAYLOR RD	23838	n	n
10300 CATTAIL RD	23838	n	n
10511 BEAVER BRIDGE RD	23838	n	n
10530 BEAVER BRIDGE RD	23838	n	n
10707 WOODPECKER RD	23838	n	n
10709 WOODPECKER RD	23838	n	n
10801 WOODPECKER RD	23838	n	n
11001 CHESTER GARDEN CR	23831	n	n
11100 REEDY BRANCH RD	23838	n	n
11210 REEDY BRANCH RD	23838	n	n
1130 RUFFIN MILL RD	23834	n	n
11300 REEDY BRANCH RD	23838	n	n
11315 WILD TURKEY RN	23838	n	n
1141 COALFIELD RD	23114	n	n
11680 SECOND BRANCH RD	23838	n	n
11800 REEDY BRANCH RD	23838	n	n
11800 TAYLOR RD	23838	n	n
11924 SECOND BRANCH RD	23838	n	n
12020A IVEY MILL RD	23838	n	n
12051A IVEY MILL RD	23838	n	n
12100A IVEY MILL RD	23838	n	n
12101 TAYLOR RD	23838	n	n
12110A IVEY MILL RD	23838	n	n
12111A IVEY MILL RD	23838	n	n
12121A IVEY MILL RD	23838	n	n
12130A IVEY MILL RD	23838	n	n
12200 BRANNER PL	23836	n	n
12200A IVEY MILL RD	23838	n	n
12200 MOORES LAKE RD	23831	n	n
12201 IVEY MILL RD	23838	n	n
12201 TAYLOR RD	23838	n	n
12220A IVEY MILL RD	23838	n	n
12251 RIVER RD	23838	n	n
12270A IVEY MILL RD	23838	n	n
1230 RUFFIN MILL RD	23834	n	n
12301 RIVER RD	23838	n	n
1240 W HUNDRED RD	23836	n	n
1246 W HUNDRED RD	23836	n	n
1300 WINTERFIELD RD	23113	n	n
13130 NASH RD	23838	n	n
13160 NASH RD	23838	n	n
13319 CORAPEAKE TR	23838	n	n
13406 CORAPEAKE TR	23838	n	n
13460 CORAPEAKE TR	23838	n	n
13500 CEDAR CREEK RD	23838	n	n
13500 SECOND BRANCH RD	23838	n	n
13510 SECOND BRANCH RD	23838	n	n
13600 SECOND BRANCH RD	23838	n	n
13610 SECOND BRANCH RD	23838	n	n
13620 JEFFERSON DAVIS HY	23831	n	n
13700 SECOND BRANCH RD	23838	n	n
13710 SECOND BRANCH RD	23838	n	n
13850 NASH RD	23838	n	n
13902 NASH RD	23838	n	n
14000 SPRUCE AV	23836	n	n
14000A SPRUCE AV	23836	n	n
14001 SPRUCE AV	23836	n	n
1410 RUFFIN MILL RD	23834	n	n
14401 NASH RD	23838	n	n
14510 NASH RD	23838	n	n
14520 WOODS EDGE RD	23834	n	n
14600A RIVER RD	23838	n	n
14651 JEFFERSON DAVIS HY	23834	n	n

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14717 JEFFERSON DAVIS HY	23834	n	n
14721 NASH RD	23838	n	n
14801 NASH RD	23838	n	n
14840 NORTHWOOD DR	23838	n	n
14926A RIVER RD	23838	n	n
14928 RIVER RD	23838	n	n
14930 RIVER RD	23838	n	n
15000 NORTHWOOD DR	23838	n	n
15025 BEACH RD	23838	n	n
15301 NASH RD	23838	n	n
15301 RIVER RD	23838	n	n
15405 EXTER MILL RD	23838	n	n
15618 ROWLETT RD	23838	n	n
15721 N RHODES LN	23838	n	n
15751 N RHODES LN	23838	n	n
15761 N RHODES LN	23838	n	n
15771 N RHODES LN	23838	n	n
15801 BRANDERS BRIDGE RD	23831	n	n
15821 BRANDERS BRIDGE RD	23831	n	n
15880 N RHODES LN	23838	n	n
15900 FIREWOOD LN	23803	n	n
15900 N RHODES LN	23838	n	n
15921 N RHODES LN	23838	n	n
16001 N RHODES LN	23838	n	n
16011 N RHODES LN	23838	n	n
16013 EXTER MILL RD	23838	n	n
16021 N RHODES LN	23838	n	n
1608 COXENDALE RD	23836	n	n
16101 N RHODES LN	23838	n	n
16111 N RHODES LN	23838	n	n
16204 N RHODES LN	23838	n	n
16319 BRANDERS BRIDGE RD	23831	n	n
16321 N RHODES LN	23838	n	n
16401 BRANDERS BRIDGE RD	23831	n	n
16407 BRANDERS BRIDGE RD	23831	n	n
16407 SCOTTWOOD RD	23112	n	n
16413 BRANDERS BRIDGE RD	23831	n	n
16419 BRANDERS BRIDGE RD	23831	n	n
16518 EXTER MILL RD	23838	n	n
16601 BRANDERS BRIDGE RD	23831	n	n
16700 BRANDERS BRIDGE RD	23831	n	n
16701 RIVER RD	23838	n	n
16911A BEACH RD	23838	n	n
16923 BRANDERS BRIDGE RD	23831	n	n
17001 BEACH RD	23838	n	n
17020 BRANDERS BRIDGE RD	23834	n	n
17050 BRANDERS BRIDGE RD	23834	n	n
17120 BRANDERS BRIDGE RD	23834	n	n
17200 MIDLOTHIAN TK	23113	n	n
17400 JEFFERSON DAVIS HY	23834	n	n
17417 MIDLOTHIAN TK	23113	n	n
17550 LE MASTER RD	23803	n	n
17601 SANDY FORD RD	23803	n	n
17611 BEACH RD	23838	n	n
17620 BRANDERS BRIDGE RD	23834	n	n
17700 LE MASTER RD	23803	n	n
17701 BEACH RD	23838	n	n
17711 BEACH RD	23838	n	n
17712 SANDY FORD RD	23803	n	n
17721 ELKO RD	23803	n	n
18001 CHESTNUT RIDGE RD	23803	n	n
18013 CHESTNUT RIDGE RD	23803	n	n
18400 HULL STREET RD	23120	n	n
18410A HULL STREET RD	23120	n	n
18412A HULL STREET RD	23120	n	n
18416A HULL STREET RD	23120	n	n
18800 EANES RD	23803	n	n

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18900 HULL STREET RD	23120	n	n
18901 EANES RD	23803	n	n
18921 HULL STREET RD	23120	n	n
1911 POINT OF ROCKS RD	23836	n	n
19120 CHURCH RD	23803	n	n
1918 MOSELEY RD	23120	n	n
19210 GENITO RD	23120	n	n
19212 BRANDERS BRIDGE RD	23834	n	n
19238 CHURCH RD	23803	n	n
19300 HULL STREET RD	23120	n	n
19410 GENITO RD	23120	n	n
19501 HULL STREET RD	23120	n	n
19501 MATOACA RD	23803	n	n
19715 LITTLE RD	23803	n	n
19720 RIVER RD	23838	n	n
19840 DUVAL RD	23120	n	n
19900A DUVAL RD	23120	n	n
19920A DUVAL RD	23120	n	n
19930A DUVAL RD	23120	n	n
2001 MT HERMON RD	23112	n	n
20030A DUVAL RD	23120	n	n
20100A DUVAL RD	23120	n	n
20200 SKINQUARTER RD	23120	n	n
20300A DUVAL RD	23120	n	n
20360 DUVAL RD	23120	n	n
20400 DUVAL RD	23120	n	n
20706 MATOACA RD	23803	n	n
20800A RIVER RD	23838	n	n
20910 HULL STREET RD	23120	n	n
20920 HULL STREET RD	23120	n	n
21000 HULL STREET RD	23120	n	n
21011 HULL STREET RD	23120	n	n
21042 PENMAR DR	23803	n	n
21120 HULL STREET RD	23120	n	n
21200 JEFFERSON ST	23803	n	n
21300 SKINQUARTER RD	23120	n	n
21411 GENITO RD	23120	n	n
21429 GENITO RD	23120	n	n
21431 GENITO RD	23120	n	n
21510A SAPPONY RD	23120	n	n
21521 GENITO RD	23120	n	n
21708A SAPPONY RD	23120	n	n
21900A SAPPONY RD	23120	n	n
21911A HULL STREET RD	23120	n	n
21941A HULL STREET RD	23120	n	n
22341 SKINQUARTER RD	23120	n	n
22520 PEAR ORCHARD RD	23120	n	n
22700 SKINQUARTER RD	23120	n	n
22900 PEAR ORCHARD RD	23120	n	n
2301 THOROUGHbred CR	23113	n	n
23400 SKINQUARTER RD	23120	n	n
23521A HULL STREET RD	23120	n	n
23700 PEAR ORCHARD RD	23120	n	n
23711 PEAR ORCHARD RD	23120	n	n
2400 E HUNDRED RD	23836	n	n
2401 MT HERMON RD	23120	n	n
2411 ARROWFIELD RD	23834	n	n
24819A PEAR ORCHARD RD	23120	n	n
24917 PEAR ORCHARD RD	23120	n	n
2501 ARROWFIELD RD	23834	n	n
26020 PEAR ORCHARD RD	23120	n	n
2740 MT HERMON RD	23120	n	n
2800 MT HERMON RD	23120	n	n
2900 BOISSEAU ST	23806	n	n
3400 OTTERDALE RD	23112	n	n
3600 BAILEY FARM RD	23120	n	n
3607 BAILEY FARM RD	23120	n	n

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3613 BAILEY FARM RD	23120	n	n
3700 BAILEY FARM RD	23120	n	n
3707 BAILEY FARM RD	23120	n	n
3900 BAILEY FARM RD	23120	n	n
3902 BERMUDA HUNDRED RD	23836	n	n
4400 KELMARBI RD	23834	n	n
4531 WELBY TURN	23113	n	n
4612 HICKORY RD	23803	n	n
4701 BERMUDA HUNDRED RD	23836	n	n
4701 RIVER RD	23803	n	n
500 SPRING VALLEY RD	23834	n	n
5025 LONG CREEK LN	23831	n	n
5036 LONG CREEK LN	23831	n	n
5048 LONG CREEK LN	23831	n	n
5101 RIVER RD	23803	n	n
5601 RIVER RD	23803	n	n
5604 HICKORY RD	23803	n	n
5636 COURTHOUSE RD	23832	n	n
5817 KINGSLAND RD	23237	n	n
5901 CLAYVILLE LN	23120	n	n
5910 CENTRALIA RD	23237	n	n
600 RUFFIN MILL RD	23834	n	n
6000 QUALLA RD	23832	n	n
6008 MATOACA RD	23803	n	n
6021 MATOACA RD	23803	n	n
6100 QUALLA RD	23832	n	n
6308 QUALLA RD	23832	n	n
6310 QUALLA RD	23832	n	n
6311 HICKORY RD	23803	n	n
6321 HICKORY RD	23803	n	n
6710 WOODPECKER RD	23838	n	n
6900 OTTERDALE RD	23120	n	n
717 TURNER RD	23225	n	n
7301 HICKORY RD	23803	n	n
7303 RIVER RD	23803	n	n
7310 HICKORY RD	23803	n	n
7333 RIVER RD	23803	n	n
7501 N SPRING RUN RD	23112	n	n
7550 WOODPECKER RD	23838	n	n
7800 QUALLA RD	23832	n	n
7950 HICKORY RD	23803	n	n
8010 HICKORY RD	23803	n	n
8021 HICKORY RD	23803	n	n
8100 QUALLA RD	23832	n	n
8101 BALDWIN CREEK RD	23832	n	n
8101 CATTAIL RD	23838	n	n
8111 CATTAIL RD	23838	n	n
8121 CATTAIL RD	23838	n	n
8211 CATTAIL RD	23838	n	n
8401 CATTAIL RD	23838	n	n
8411 CATTAIL RD	23838	n	n
8421 CATTAIL RD	23838	n	n
8430 REEDY BRANCH RD	23838	n	n
8431 CATTAIL RD	23838	n	n
8441 CATTAIL RD	23838	n	n
8501 CATTAIL RD	23838	n	n
8501 HICKORY RD	23803	n	n
8520 REEDY BRANCH RD	23838	n	n
8530 BALDWIN CREEK RD	23832	n	n
8600 REEDY BRANCH RD	23838	n	n
8601 BALDWIN CREEK RD	23832	n	n
8615A DOSS RD	23120	n	n
8621 BALDWIN CREEK RD	23832	n	n
8700 BETHIA RD	23832	n	n
8711 BEACH RD	23838	n	n
8801 GRAVES RD	23803	n	n
8811 GRAVES RD	23803	n	n

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8821 GRAVES RD	23803	n	n
8903 HICKORY RD	23803	n	n
9100 GRAVES RD	23803	n	n
9201 HICKORY RD	23803	n	n
9310 GRAVES RD	23803	n	n
9318 RIVER RD	23803	n	n
9332 RIVER RD	23803	n	n
9343 GRAVES RD	23803	n	n
9359 HICKORY RD	23803	n	n
9401 BEAVER BRIDGE RD	23120	n	n
9401 HICKORY RD	23803	n	n
9623 RIVER RD	23803	n	n
9626 LADINO LN	23236	n	n
9630 BEAVER BRIDGE RD	23838	n	n
9741 BEAVER BRIDGE RD	23838	n	n
9801 RIVER RD	23803	n	n
9840 RIVER RD	23803	n	n
9860 RIVER RD	23803	n	n
9911 TAYLOR RD	23838	n	n
9918 HICKORY RD	23803	n	n
9921 TAYLOR RD	23838	n	n
10021 TAYLOR RD	23838	n	n
10500 BEAVER BRIDGE RD	23838	n	n
10501 WOODPECKER RD	23838	n	n
11100 RIVER RD	23838	n	n
11500 TAYLOR RD	23838	n	n
1203 POINT OF ROCKS RD	23836	n	n
12120A IVEY MILL RD	23838	n	n
1221 POINT OF ROCKS RD	23836	n	n
12300A IVEY MILL RD	23838	n	n
12403 NATURAL BARK DR	23832	n	n
12618 N ENON CHURCH RD	23836	n	n
12700 CHESDIN LANDING DR	23838	n	n
12721 RIVER RD	23838	n	n
12751 RIVER RD	23838	n	n
12900 RIVER RD	23838	n	n
14701 NASH RD	23838	n	n
14811 NORTHWOOD DR	23838	n	n
15001 BRANDERS BRIDGE RD	23831	n	n
15011 RIVER RD	23838	n	n
15119 BRADLEY BRIDGE RD	23838	n	n
15607 CHESDIN POINT DR	23838	n	n
15900 SANDY FORD RD	23838	n	n
17700 W COUNTY LINE RD	23112	n	n
18010 SANDY FORD RD	23803	n	n
19601 AHERN RD	23120	n	n
20200A DUVAL RD	23120	n	n
20401 MATOACA RD	23803	n	n
21402 PENMAR DR	23803	n	n
2321 HUBERT LN	23836	n	n
2409 BURGESS RD	23836	n	n
24121 PEAR ORCHARD RD	23120	n	n
3618 DUPUY RD	23803	n	n
415 MEADOWVILLE RD	23836	n	n
420 FULCHER LN	23836	n	n
5821 KINGSLAND RD	23237	n	n
6106 QUALLA RD	23832	n	n
6110 QUALLA RD	23832	n	n
6923 HICKORY RD	23803	n	n
7600 IRON BRIDGE RD	23237	n	n
7730 WOODPECKER RD	23838	n	n
7940 HICKORY RD	23803	n	n
8030 BAUGH LN	23803	n	n
8221 CATTAIL RD	23838	n	n
8420 REEDY BRANCH RD	23838	n	n
8510 REEDY BRANCH RD	23838	n	n
8610 REEDY BRANCH RD	23838	n	n

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8620 REEDY BRANCH RD	23838	n	n
9000 BARRETTA LN	23838	n	n
9311 CATTAIL RD	23838	n	n
9500 CATTAIL RD	23838	n	n
18627 HEMBRICK RD	23838	n	n
12230 IVEY MILL RD	23838	n	n
21920 SAPPONY RD	23120	n	n
18201 HULL STREET RD	23120	n	n
14721 RIVER RD	23838	n	n
14012 CEDAR CREEK RD	23838	n	n
12051 IVEY MILL RD	23838	n	n
21810 SAPPONY RD	23120	n	n
22730 HULL STREET RD	23120	n	n
13660 RIVER RD	23838	n	n
21910 SAPPONY RD	23120	n	n
12236 IVEY MILL RD	23838	n	n
11100 TAYLOR RD	23838	n	n
13800 RIVER RD	23838	n	n
13901 RIVER RD	23838	n	n
8315 DOSS RD	23120	n	n
22401 HULL STREET RD	23120	n	n
12020 IVEY MILL RD	23838	n	n
14201 CEDAR CREEK RD	23838	n	n
21911 HULL STREET RD	23120	n	n
17800 HULL STREET RD	23120	n	n
14431 RIVER RD	23838	n	n
22001 SAPPONY RD	23120	n	n
19801 DUVAL RD	23120	n	n
21901 SAPPONY RD	23120	n	n
22040 HULL STREET RD	23120	n	n
12270 IVEY MILL RD	23838	n	n
13700 RIVER RD	23838	n	n
22100 HULL STREET RD	23120	n	n
21501 SAPPONY RD	23120	n	n
21701 HULL STREET RD	23120	n	n
7001 LEDO RD	23120	n	n
21501 HULL STREET RD	23120	n	n
21800 SAPPONY RD	23120	n	n
13607 RIVER RD	23838	n	n
12130 IVEY MILL RD	23838	n	n
10501 TAYLOR RD	23838	n	n
8705 DOSS RD	23120	n	n
20300 DUVAL RD	23120	n	n
14926 RIVER RD	23838	n	n
21710 SAPPONY RD	23120	n	n
21701 SAPPONY RD	23120	n	n
12100 IVEY MILL RD	23838	n	n
20301 DUVAL RD	23120	n	n
20901 RIVER RD	23838	n	n
21750 HULL STREET RD	23120	n	n
14401 N IVEY MILL RD	23838	n	n
21200 HULL STREET RD	23120	n	n
21251 SAPPONY RD	23120	n	n
21301 HULL STREET RD	23120	n	n
19830 DUVAL RD	23120	n	n
13930 RIVER RD	23838	n	n
21510 SAPPONY RD	23120	n	n
14916 RIVER RD	23838	n	n
19920 DUVAL RD	23120	n	n
21930 SAPPONY RD	23120	n	n
22021 SAPPONY RD	23120	n	n
21401 SAPPONY RD	23120	n	n
22720 HULL STREET RD	23120	n	n
8510 DOSS RD	23120	n	n
21921 SAPPONY RD	23120	n	n
21706 SAPPONY RD	23120	n	n
14140 CEDAR CREEK RD	23838	n	n

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18615 HULL STREET RD	23120	n	n
20000 DUVAL RD	23120	n	n
12800 VEST RD	23838	n	n
14421 N IVEY MILL RD	23838	n	n
14200 CEDAR CREEK RD	23838	n	n
8511 DOSS RD	23120	n	n
21708 SAPPONY RD	23120	n	n
21801 SAPPONY RD	23120	n	n
10 LAKE CHESDIN	23803	n	n
12240 IVEY MILL RD	23838	n	n
20311 SKINQUARTER RD	23120	n	n
13900 RIVER RD	23838	n	n
21513 SAPPONY RD	23120	n	n
21911 SAPPONY RD	23120	n	n
14500 EPPES FALLS RD	23838	n	n
12280 IVEY MILL RD	23838	n	n
22001 HULL STREET RD	23120	n	n
21941 HULL STREET RD	23120	n	n
8941 BALDWIN CREEK RD	23832	n	n
21700 SAPPONY RD	23120	n	n
7 LAKE CHESDIN	23803	n	n
21721 SAPPONY RD	23120	n	n
23521 HULL STREET RD	23120	n	n
12121 IVEY MILL RD	23838	n	n
14900 RIVER RD	23838	n	n
13610 EPPES FALLS RD	23838	n	n
21515 SAPPONY RD	23120	n	n
19810 DUVAL RD	23120	n	n
13600 RIVER RD	23838	n	n
8931 BALDWIN CREEK RD	23832	n	n
22330 HULL STREET RD	23120	n	n
21900 SAPPONY RD	23120	n	n
14521 N IVEY MILL RD	23838	n	n
12111 IVEY MILL RD	23838	n	n
22704 HULL STREET RD	23120	n	n
12840 VEST RD	23838	n	n
18410 HULL STREET RD	23120	n	n
12131 IVEY MILL RD	23838	n	n
12820 VEST RD	23838	n	n
21420 CHESDIN RD	23803	n	n
8413 RIVER RD	23803	n	n
18623 HEMBRICK RD	23838	n	n
21711 SAPPONY RD	23120	n	n
22111 SAPPONY RD	23120	n	n
8417 RIVER RD	23803	n	n
18611 HEMBRICK RD	23838	n	n
21509 SAPPONY RD	23120	n	n
14203 CEDAR CREEK RD	23838	n	n
16911 BEACH RD	23838	n	n
12310 IVEY MILL RD	23838	n	n
18704 HEMBRICK RD	23838	n	n
20030 DUVAL RD	23120	n	n
14812 RIVER RD	23838	n	n
18601 HULL STREET RD	23120	n	n
19800 DUVAL RD	23120	n	n
14100 N IVEY MILL RD	23838	n	n
24819 PEAR ORCHARD RD	23120	n	n
6700 LEDO RD	23120	n	n
12290 IVEY MILL RD	23838	n	n
21720 SAPPONY RD	23120	n	n
18416 HULL STREET RD	23120	n	n
22000 SAPPONY RD	23120	n	n
22000 HULL STREET RD	23120	n	n
20200 DUVAL RD	23120	n	n
12200 IVEY MILL RD	23838	n	n
14924 RIVER RD	23838	n	n
13600 EPPES FALLS RD	23838	n	n

Attachment 4 - Documentation Unserved Areas VATI Criteria

14501 N IVEY MILL RD	23838	n	n
8313 DOSS RD	23120	n	n
12900 VEST RD	23838	n	n
21306 HULL STREET RD	23120	n	n
21931 HULL STREET RD	23120	n	n
13000 VEST RD	23838	n	n
8615 DOSS RD	23120	n	n
11301 TAYLOR RD	23838	n	n
18629 HEMBRICK RD	23838	n	n
19900 DUVAL RD	23120	n	n
14600 RIVER RD	23838	n	n
20801 RIVER RD	23838	n	n
12300 IVEY MILL RD	23838	n	n
14600 N IVEY MILL RD	23838	n	n
12060 IVEY MILL RD	23838	n	n
19930 DUVAL RD	23120	n	n
21611 HULL STREET RD	23120	n	n
21500 HULL STREET RD	23120	n	n
14935 RIVER RD	23838	n	n
21700 HULL STREET RD	23120	n	n
23101 HULL STREET RD	23120	n	n
11450 TAYLOR RD	23838	n	n
17900 HULL STREET RD	23120	n	n
12220 IVEY MILL RD	23838	n	n
20800 RIVER RD	23838	n	n
21301 SAPPONY RD	23120	n	n
22710 HULL STREET RD	23120	n	n
14401 RIVER RD	23838	n	n
22300 HULL STREET RD	23120	n	n
8401 DOSS RD	23120	n	n
14511 N IVEY MILL RD	23838	n	n
18412 HULL STREET RD	23120	n	n
21410 CHESDIN RD	23803	n	n
12110 IVEY MILL RD	23838	n	n
18619 HULL STREET RD	23120	n	n
22702 HULL STREET RD	23120	n	n
13630 RIVER RD	23838	n	n
12120 IVEY MILL RD	23838	n	n
21704 HULL STREET RD	23120	n	n
18625 HEMBRICK RD	23838	n	n
14130 CEDAR CREEK RD	23838	n	n
22020 HULL STREET RD	23120	n	n
20100 DUVAL RD	23120	n	n
16222 Rhodes Lane	23838	n	n
16101 Rhodes Lane	23838	n	n
16011 Rhodes Lane	23838	n	n
16001 Rhodes Lane	23838	n	n
15900 Rhodes Lane	23838	n	n
16204 Rhodes Lane	23838	n	n
15880 Rhodes Lane	23838	n	n
15751 Rhodes Lane	23838	n	n
15721 Rhodes Lane	23838	n	n
15771 Rhodes Lane	23838	n	n
16111 Rhodes Lane	23838	n	n
15761 Rhodes Lane	23838	n	n
16201 Rhodes Lane	23838	n	n
15921 Rhodes Lane	23838	n	n

2022 Virginia Telecommunication Initiative (VATI) Passing Form

Type of Passings	Total Number of Passings in the Project Area ¹	Passings in the Project Area, without Special Construction Costs Required ²	Passings with Special Construction Costs budgeted in the Application ³	Number of Passings with Speeds at 10/1 or below in Project Area ⁴
Residential	671	0	671	671
Businesses (non-home based)	54		54	54
Businesses (home-based)				
Community Anchors	1		1	1
Non-residential				
Total	726		726	726

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

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

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

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

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

⁴The number of structures in the project area that do not have access to internet at speeds of at least 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.



September 14, 2021

ATTACHMENT 6. Propagation Map if Wireless Project

Attachment 6 is not applicable to this grant application.

CHESTERFIELD COUNTY

ATTACHMENT 7

Timeline Project Management Plan

MEMORANDUM OF UNDERSTANDING - DRAFT

The parties to this Memorandum of Understanding (MOU) are Chesterfield County and Comcast. The purpose of this MOU is to establish a commitment by the parties to participate in the development of a grant proposal in 2021 for the FY22 Virginia Telecommunication Initiative (VATI) program established by the Virginia Department of Housing and Community Development (DHCD). Chesterfield County and Comcast agree to work jointly to coordinate a complete VATI application, making decisions on roles and responsibilities where necessary to facilitate an effective submission of necessary information. Although a partnership between Chesterfield County and Comcast has not yet been formalized for this proposed project, both parties are collaborating on an agreement to be executed if DHCD awards them a VATI grant. An agreement would cover the following areas.

Comcast commits to:

- a. Draft a Project Management Plan;
- b. Complete all Grant Activities described in pertinent DHCD agreements, as mutually agreed;
- c. Provide regular updates to Chesterfield County on the status of the project;
- d. Notify Chesterfield County if its assistance is needed;
- e. Submit requests for payment (no more frequently than monthly) to Chesterfield County as work is completed;
- f. Complete all work within the required timeframe;
- g. Provide Chesterfield County information on the locations where broadband had been enabled; and
- h. Propose any required nondisclosure agreements if Comcast were requested to share confidential information.

Chesterfield County commits to:

- a. Processing requests for payment in a timely manner;
- b. Review information provided by Comcast and submit requests for additional information in a timely manner;
- c. Complete any necessary non-disclosure agreements;
- d. Complete all Grant Activities described in pertinent DHCD agreements;
- e. Assist Comcast in obtaining necessary rights of way within the scope of Chesterfield County’s authority; and
- f. Assist in contacting residents and others as appropriate to foster completion of the project within the required timeframe.

COMCAST

CHESTERFIELD COUNTY

Name (printed):_____

Name (printed):_____

Title:_____

Title:_____

Signature:_____

Signature:_____

Date:_____

Date:_____

VATI FUNDING SOURCES TABLE

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

Source	Amount	%	Status
REQUESTED VATI	\$ 7,816,800	75.77	Pending
LOCAL – COUNTY	\$ 1,000,000	9.69	COMMITTED – ARPA FUNDS
PRIVATE - COMCAST	\$ 1,500,000	14.54	COMMITTED
	\$		
	\$		
	\$		
	\$		
TOTAL	\$ 10,316,800	100 %	



Chesterfield County, Virginia

Christopher Matt Harris., Deputy County Administrator
9901 Lori Road – P.O. Box 40 – Chesterfield, VA 23832-0040
Phone: (804) 748-1211 – Fax: (804) 717-6297 – Internet: chesterfield.gov

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KEVIN P. CARROLL
Matoaca District

LESLIE A. T. HALEY
Midlothian District

September 13, 2021

Dr. Tamara Holmes
600 East Main Street, Suite 300
Richmond, VA 23219
tamarah.holmes@dhcd.virginia.gov

Dear Dr. Holmes:

Chesterfield County Administration and the Budget and Management Department support the county Virginia Telecommunications Initiative grant application, in partnership with Comcast Communications.

Access to broadband is critical to the lives of all who live and work in Chesterfield. The project will provide universal coverage and ensure all residents of Chesterfield County have access to quality broadband.

The County has committed \$1,000,000 in funding from the American Rescue Plan Act allocation to the county, as a match funding for the project.

On behalf of the Chesterfield County Finance and Administration, I thank you for your consideration.

Sincerely,

Matt Harris
Deputy County Administrator



1215 E. Fort Avenue
Suite 103
Baltimore, MD 21230

September 14, 2021

Dr. Joseph P Casey
Chesterfield County Administrator
P.O. Box 40
Chesterfield, VA 23832

Dear Dr. Casey:

The purpose of this letter is to provide documentation regarding the in-kind contributions for the projects proposed to the Virginia Telecommunication Initiative ("VATI") program.

The proposed project represents a partnership between Comcast and Chesterfield County. As indicated in the application, Comcast will provide approximately 15% of the projected construction costs of \$10,316,800, totaling approximately \$1,547,520. Chesterfield County will provide approximately 9.7% of the projected construction costs, totaling approximately \$1,000,000, assist in providing in-kind contributions including application analysis and preparation, coordination with the Department of Housing and Community Development, assistance with right of way permitting, and participating in further concert with Comcast as the project is approved and construction begins. The value of these services will depend on the level of activity occurring as the project commences.

Should you have any questions regarding the information listed above, please do not hesitate to contact me.

Sincerely,

A handwritten signature in blue ink, appearing to read "Misty Allen".

Misty Allen
Regional Vice President, Government & Regulatory Affairs



Chesterfield County, Virginia

Joseph P. Casey, Ph.D., County Administrator

9901 Lori Road – P.O. Box 40 – Chesterfield, VA 23832-0040

Phone: (804) 748-1211 – Fax: (804) 717-6297 – Internet: chesterfield.gov

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Matoaca District

LESLIE A. T. HALEY

Midlothian District

September 10, 2021

Dr. Tamara Holmes
600 East Main Street, Suite 300
Richmond, VA 23219
tamarah.holmes@dhcd.virginia.gov

Dear Dr. Holmes:

As County Administrator, I support the expansion of broadband service in Chesterfield County, in alignment with our mission to create a First Choice community and champion strong business within our community.

Access to broadband service is critical employment, education, health, managing households and growing Chesterfield's economy. The expansion of broadband to currently unserved areas of Chesterfield will enable all 63,000 school-aged children access to resources for learning, enable home-based businesses to thrive, enhance the possibilities for teleworking, and grow tourism. It will expand opportunities for all Chesterfield residents to learn and be productive within their personal and professional lives and, therefore, it will enhance quality of life, overall.

The project will implement universal coverage in Chesterfield, ensuring every resident, student and business has access to high-quality broadband. Over 141 miles of communications line will be constructed, extending service to 726 households. The project will ensure no part of the county is left behind in a digital divide and ensure that efforts to expand digital inclusion and digital equity have a firm foundation from which to grow.

I appreciate your consideration.

Sincerely,

Joseph P. Casey, Ph.D.
County Administrator



Chesterfield County, Virginia

Board of Supervisors

9901 Lori Road – P.O. Box 40 – Chesterfield, VA 23832-0040

Phone: (804) 748-1211 – Fax: (804) 717-6297 – Internet: chesterfield.gov

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Matoaca District

LESLIE A. T. HALEY

Midlothian District

September 13, 2021

Dr. Tamara Holmes
600 East Main Street, Suite 300
Richmond, VA 23219
tamarah.holmes@dhcd.virginia.gov

Dear Dr. Holmes:

As Chairman of the Board of Supervisors, I fully support the expansion of broadband service in Chesterfield County. We see universal broadband coverage as a critical need toward erasing the digital divide that remains for several hundred households within Chesterfield. Likewise, it will ensure we have an able base from which to expand efforts toward digital inclusion and equity for all residents within our community.

We have long identified universal broadband coverage as an important element in accomplishing our mission to be a First Choice community. Today, access to broadband is critical to the lives of all who call chesterfield home and/or do business here. It's also critical toward preparing future generations, and this project will ensure all 63,000 school-aged children have appropriate broadband access for learning.

Even before a pandemic created a need for everyone to be more innovative in their approach to managing their households and families and businesses or careers, we've known universal broadband held a key toward unlocking opportunities for all residents to achieve a greater quality of life in Chesterfield.

On behalf of the Chesterfield County Board of Supervisors and an entire community, I thank you for your consideration.

Sincerely,

James M. “Jim” Holland
Chair, Dale District Supervisor

Mervin B. Daugherty, Ed.D.
Superintendent



804.748.1434
superintendent@ccpsnet.net

Chesterfield County Public Schools
Innovative. Engaging. Relevant.

September 13, 2021

To: Grant Program

Virginia Telecommunications Initiative

Re: VATI Grant Request

We support the grant application to fund the project for universal broadband coverage in Chesterfield County, Virginia. This grant program from the Virginia Telecommunications Initiative (VATI), run from the Department of Housing and Community Development (DHCD) at the state level would benefit students and families through Chesterfield. This opportunity supports the expansion of broadband service in Chesterfield County and Chesterfield County Public Schools. Access to broadband service is critical to the lives of residents for work, education, health, managing households and for economic growth.

The expansion of broadband to currently unserved areas of Chesterfield will enable all 63,000 school-age children access to resources for learning, enable home-based businesses to thrive, enhance the possibilities for telecommuting and tourism, and provide all County residents and students a better quality of life. Over 141 miles of communications line will be constructed, extending service to 726 households. The project is important because it ensures no part of the county will be left behind in the digital divide, and that efforts for digital inclusion and digital equity will have a firm foundation from which to grow.

Respectfully,

Mervin B. Daugherty, Ed.D.
Superintendent

CHESTERFIELD COUNTY

ATTACHMENT 12

Derivation of Costs



1215 E. Fort Avenue
Suite 103
Baltimore, MD 21230

Product	Total	VATI	Non-VATI	Source of Estimate	Date
EXAMPLE					
<u>Construction</u>					
<i>Broadband Construction – 149.5 miles</i>	\$10,316,800	\$7,769,280	\$2,547,520	Comcast	9/14/2020

CHESTERFIELD COUNTY

ATTACHMENT 13

Documentation of Supporting Cost Estimates



1215 E. Fort Avenue
Suite 103
Baltimore, MD 21230

September 14, 2021

Dr. Joseph P. Casey
Chesterfield County Administrator
P.O. Box 40
Chesterfield, VA 23832

Dear Dr. Casey:

The purpose of this Letter is to provide information and supporting documentation for cost estimates for the Chesterfield County Project proposed to the Virginia Telecommunication Initiative (“VATT”) program.

Comcast’s Construction and Design team managed projects that added thousands of miles to Comcast’s regional hybrid fiber coaxial network in 2020-2021. Comcast’s construction estimates are determined through a detailed project analysis that includes a desktop survey, an analysis of permitting costs (internal or external), a network impact study to determine necessary hub site preparation and possible infrastructure requirements, and a financial evaluation for overall build costs and likely return-on-investment. When contract labor is utilized, costs are accrued according to the fee schedule in the contract. The design and construction process is standard within the telecommunications industry. The total build is estimated to be 150 miles of infrastructure and laterals. Estimated budget costs for construction are:

Project	Number of Passings	Material Costs	Labor	Project Management	Total Project Cost
Chesterfield County	726	\$3,095,040.00	\$6,190,080.00	\$1,031,680.00	\$10,316,800.00

Examples of items that are included in the Material category are: power supplies, fiber conduit, splice enclosures, pedestals, and taps. Examples of items in the Labor category are in-house and contract labor to trench and backfill, lay conduit and fiber perform administration of VDOT permits and provide crew supervision.

The precise amount to be spend on contract labor versus in house resources will be determined when the grant is approved, and the work commences. The allocation of work will depend on the level of construction activity at that time. Any contracted engineering and design work outlined in this proposal will be performed by Comcast approved contractors.

Should you have any questions regarding the information listed above, please do not hesitate to contact Nathan Daugherty at Nathan_daugherty@comcast.com or 434-238-0729.

Sincerely,

Steve Hill
Senior Director, Network Engineering



September 14, 2021

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

Re: Attachment 14 – Two most recent Form 477 submitted to the FCC or equivalent

Dear Dr. Holmes,

The purpose of this letter is to provide information regarding the recent Form 477 submissions or equivalent by Comcast to the Federal Communications Commission. Data from Comcast's submissions can be located at <https://www.fcc.gov/general/broadband-deployment-data-fcc-form-477>.

Should you have any questions regarding the information listed above, please do not hesitate to contact me.

Sincerely,

A handwritten signature in blue ink, appearing to read "K. Broadhurst".

Kevin Broadhurst
Vice President of Government and Regulatory Affairs



September 14, 2021

ATTACHMENT 16. RSSI Projection Shapefiles

Attachment 16 is not applicable to this grant application.

Pathways to Connection

Connectivity opens the door to a world of opportunity.

At Comcast, we believe deeply in the power of connection. That is why we recently announced a \$1 billion commitment over the next 10 years to reach up to 50 million people from low-income families and provide them with the training, tools, and resources they need to succeed in a digital world.

We have always said closing the broadband adoption gap would take a comprehensive movement, and that is exactly what is happening today. There are more pathways than ever for students, families, and individuals to get connected and learn digital skills, at little or no cost to them.

If you or someone in your community needs to get connected today, the good news is there are a variety of resources available, including billions of dollars in federal benefits to cover the costs. These include:

RESOURCES FOR INDIVIDUALS & FAMILIES

Internet Essentials

Internet Essentials is the nation's largest and most comprehensive broadband adoption program, providing high-speed Internet service to low-income families. Over the past ten years, Internet Essentials has connected a cumulative total of more than 10 million people to the power of the Internet at home. The program has expanded its eligibility more than a dozen times, now including Federal Pell Grant recipients. New customers who sign up for Internet Essentials before June 30, 2022 will receive 60 days of complimentary service. Visit InternetEssentials.com on any web-enabled device or call 1-855-846-8376 to learn more about eligibility and apply today.

Emergency Broadband Benefit

Comcast is proud to participate in the federal government's Emergency Broadband Benefit program. This temporary benefit provides up to a \$50/month credit per household for their Internet bill (up to a \$75 credit in Tribal areas). To date, the Federal Communications Commission has enrolled more than 4.2 million U.S. households. While this program is set to expire 6 months after the Department of Health and Human Services declares an end to the pandemic, the federal Infrastructure bill calls for a permanent plan, which would provide \$30/month for eligible applicants. Visit www.xfinity.com/EBB or call 1-855-846-8376 to learn more. call 1-855-846-8376 to learn more.

Lift Zones

Comcast Lift Zones are a first-of-their-kind digital equity initiative in community centers across our service area. Partnering with local organizations, non-profits, and city leaders, we are equipping community centers with complimentary WiFi, called "Lift Zones," where students and families can access the Internet. Lift Zones allow students, veterans, seniors, and other individuals, customers and non-customers alike, to get online and do their schoolwork, look for a job, stay in touch with family and friends, and so much more. Comcast has pledged to open more than 1,000 Lift Zones in underserved communities by the end of this year.

Visit <https://internetessentials.com/learningsearchpage> to find a Lift Zone near you.

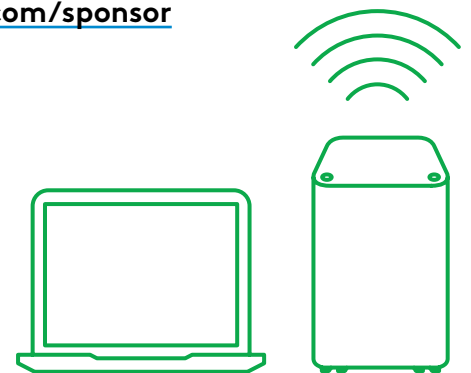
RESOURCES FOR SCHOOLS & PARTNER ORGANIZATIONS

Internet Essentials Partnership Program

The COVID-19 crisis created an urgent need for a scalable solution to support school districts and partner organizations across the country. The Internet Essentials Partnership Program (IEPP) is designed to help connect large numbers of households at a critical time. The program provides the opportunity for schools, school districts, government entities, foundations, and other organizations to pay for students' and families' broadband Internet service at home. Creating strong and innovative public-private partnerships enables entire communities to work together to coordinate funding for a few months or a few years. Organizations interested in becoming IEPP partners or partnering with Comcast on the Emergency Connectivity Fund can fill out [this form](#) to receive more information or begin the sponsorship process.

Emergency Connectivity Fund

The FCC's Emergency Connectivity Fund (ECF) is a \$7.17 billion government program to help schools and libraries provide the tools and services needed for remote learning during the COVID-19 emergency period. Comcast is proud to support schools and libraries as they work to connect even more households to the power of the Internet at home through ECF. Leveraging IEPP, we have a streamlined process for eligible entities to seek ECF funds and quickly connect individuals in need to broadband access at home through our acclaimed Internet Essentials program. Schools and libraries interested in working with Comcast can visit InternetEssentials.com/sponsor to learn more.



A photograph of three children, two girls and one boy, sitting together and looking at a tablet. The boy in the middle is wearing glasses and pointing at the screen. The girls are also looking intently. The background is a bright, indoor setting.

Ready for anything.

NOW TWICE
AS FAST!

You could receive Internet
Essentials at no cost.*

Visit [xfinity.com/ebb](https://www.xfinity.com/ebb) to
learn how to enroll in
the Emergency
Broadband
Benefit.

* Taxes and
fees extra

Inge, Jonah & Eleanor,
Internet Essentials customers

Internet Essentials from Comcast

Bring low-cost, high-speed Internet home
so you're ready for anything.

With a fast, reliable connection, you can work and learn from home, make video calls, stream movies and more.

Apply today if you qualify for programs like the National School Lunch Program, SNAP, housing assistance, Medicaid, and others.

\$9.95

Per Month + Tax
after 2 free months

No credit check.
No term contract.
No cancellation fees.

APPLY NOW >>

**InternetEssentials.com
or call 1-855-846-8376**

Promo ends 12/31/21. Restrictions apply. Not available in all areas. Limited to Internet Essentials ("IE") service from Comcast for new residential customers meeting certain eligibility criteria. Offer limited to 2 months of complimentary Internet Essentials service. Taxes, home drop-off, and professional install extra. After promotion, regular rates apply. Comcast's current rate is \$9.95/month (subject to change). Advertised price applies to a single outlet. Actual speeds may vary and are not guaranteed. For factors affecting speed visit www.xfinity.com/networkmanagement. Access to Xfinity WiFi hotspots included with Xfinity post-pay Internet. If a customer is determined to be no longer eligible for the IE program, regular rates will apply to the selected Internet service. Subject to Internet Essentials program terms and conditions. May not be combined with other offers. Call 1-855-846-8376 for restrictions and complete details or visit InternetEssentials.com. © 2021 Comcast. All rights reserved. PCA-PHO-BIL-PRO-0721

**internet>>
essentials**
FROM COMCAST

Preparados para todo.

Podrías recibir servicio de Internet sin costo.*

Visita es.xfinity.com/ebb para saber cómo suscribirte en el Beneficio de Emergencia para Banda Ancha.

* Impuestos y cargos extra

¡AHORA EL DOBLE DE RÁPIDO!

Inge, Jonah y Eleanor, clientes de Internet Essentials

Internet Essentials de Comcast

Trae Internet de alta velocidad y bajo costo a tu hogar para estar preparado para todo.

Con una conexión rápida y confiable, puedes trabajar y aprender desde tu hogar, hacer videollamadas, hacer streaming de películas y más.

Solicítalo hoy si calificas para programas como el Programa Nacional de Almuerzos escolares (NSLP), cupones para alimentos (SNAP), asistencia para viviendas públicas, Medicaid y otros.

La promoción termina en 12/31/21. Se aplican restricciones. No está disponible en todas las áreas. Limitado al servicio de Internet Essentials ("IE") de Comcast para nuevos clientes residenciales que cumplan con ciertos requisitos de elegibilidad. Oferta limitada a 2 meses de servicio de Internet Essentials gratuito. Impuestos, entrega a domicilio e instalación profesional son extra. Después de la promoción, se aplican las tarifas regulares. La tarifa actual de Comcast es \$9.95/mes (sujeta a cambios) El precio anunciado se aplica a una sola conexión. Las velocidades reales pueden variar y no están garantizadas. Para factores que afectan a la velocidad, visite es.xfinity.com/networkmanagement. El acceso a los hotspots de Xfinity WiFi está incluido con Xfinity Internet pospago. Si se determina que un cliente ya no es elegible para el programa de IE, se aplicarán las tarifas regulares al servicio de Internet seleccionado. Sujeto a los términos y condiciones del programa de Internet Essentials. No se puede combinar con otras ofertas. Llame al 1-855-765-6995 para obtener las restricciones y detalles completos o visite es.InternetEssentials.com. © 2021 Comcast. Derechos Reservados. PCA-PHO-BIL-PRO-0721

\$9.95

al mes + impuestos después de 2 meses gratis

Sin revisión de crédito.
Sin contrato.
Sin cargos por cancelación.

SOLICÍTALO AHORA >>

**es.InternetEssentials.com
o llama al 855-765-6995**

internet>>
essentials
FROM COMCAST

Ready for anything.

NOW TWICE AS FAST!



Internet Essentials from Comcast

Get home Internet with 2 months FREE!

Promo ends 12/31/21

Get low-cost, high-speed Internet at home! With a fast, reliable connection, you can work and learn from home, make video calls, stream movies and more.

Apply today if you qualify for programs like the National School Lunch Program, SNAP, housing assistance, Medicaid, and others.

\$9.95 Per Month + Tax
after 2 free months

No credit check. No term contract.
No cancellation fees.

APPLY NOW >>

InternetEssentials.com
or call 1-855-846-8376

Promo ends 12/31/21. Restrictions apply. Not available in all areas. Limited to Internet Essentials ("IE") service from Comcast for new residential customers meeting certain eligibility criteria. Offer limited to 2 months of complimentary Internet Essentials service. Taxes, home drop-off, and professional install extra. After promotion, regular rates apply. Comcast's current rate is \$9.95/month (subject to change). Advertised price applies to a single outlet. Actual speeds may vary and are not guaranteed. For factors affecting speed visit www.xfinity.com/networkmanagement. Access to Xfinity WiFi hotspots included with Xfinity post-pay Internet. If a customer is determined to be no longer eligible for the IE program, regular rates will apply to the selected Internet service. Subject to Internet Essentials program terms and conditions. May not be combined with other offers. Call 1-855-846-8376 for restrictions and complete details or visit InternetEssentials.com. © 2021 Comcast. All rights reserved. FLY-ILL-BIL-PRO-0721

**internet»
essentials**
FROM COMCAST

Preparados para todo.

¡AHORA EL DOBLE
DE RÁPIDO!



Internet Essentials de Comcast

**¡Obtén Internet para el hogar
con 2 meses GRATIS!**

La promoción termina en 12/31/21

¡Obtén Internet de alta velocidad y bajo costo en el hogar! Con una conexión rápida y confiable, puedes trabajar y aprender desde tu hogar, hacer videollamadas, hacer streaming de películas y más.

Solicítalo hoy si calificas para programas como el Programa Nacional de Almuerzos escolares (NSLP), cupones para alimentos (SNAP), asistencia para viviendas públicas, Medicaid y otros.

\$9.95 al mes + impuestos
después de 2 meses gratis

Sin revisión de crédito. Sin contrato.
Sin cargos por cancelación.

SOLICÍTALO AHORA >>
es.InternetEssentials.com
o llama al 1-855-765-6995

La promoción termina en 12/31/21. Se aplican restricciones. No está disponible en todas las áreas. Limitado al servicio de Internet Essentials ("IE") de Comcast para nuevos clientes residenciales que cumplan con ciertos requisitos de elegibilidad. Oferta limitada a 2 meses de servicio de Internet Essentials gratuito. Impuestos, entrega a domicilio e instalación profesional son extra. Después de la promoción, se aplican las tarifas regulares. La tarifa actual de Comcast es \$9.95/mes (sujeta a cambios). El precio anunciado se aplica a una sola conexión. Las velocidades reales pueden variar y no están garantizadas. Para factores que afectan a la velocidad, visite es.xfinity.com/networkmanagement. El acceso a los hotspots de Xfinity WiFi están incluidos con Xfinity Internet pospago. Si se determina que un cliente ya no es elegible para el programa de IE, se aplicarán las tarifas regulares al servicio de Internet seleccionado. Sujeto a los términos y condiciones del programa de Internet Essentials. No se puede combinar con otras ofertas. Llame al 1-855-765-6995 para obtener restricciones y detalles completos o visite es.InternetEssentials.com. © 2021 Comcast. Derechos Reservados. FLY-ILL-BIL-PRO-0721

**internet >>
essentials**
FROM COMCAST



PRESS RELEASE

Comcast
One Comcast Center
Philadelphia, PA 19103
www.comcastcorporation.com

COMCAST COMMITS TO INVESTING \$1 BILLION OVER NEXT 10 YEARS TO REACH 50 MILLION LOW-INCOME AMERICANS WITH TOOLS AND RESOURCES TO SUCCEED IN DIGITAL WORLD

*Comcast's Internet Essentials Program Has Now Connected More Than 10 Million People
Over the Past 10 Years*

PHILADELPHIA, PA – MARCH 24, 2021 – On the 10th anniversary of its Internet Essentials program, Comcast today announced it would invest \$1 billion over the next 10 years to help further close the digital divide and give even more low-income Americans the tools and resources they need to succeed in an increasingly digital world. The announcement coincides with the release of a 10-year Progress Report showing that, since 2011, the company, working in collaboration with its network of thousands of nonprofit partners, has connected a cumulative total of more than 10 million people in America to broadband Internet at home, the overwhelming majority of whom were not connected prior to signing up.

Comcast's \$1 billion commitment will include investments in a number of critical areas, including: additional support for its ongoing Lift Zone initiative, which establishes WiFi-connected safe spaces in 1,000+ community centers nationwide for students and adults by the end of 2021; new laptop and computer donations; grants for nonprofit community organizations to create opportunities for low-income Americans, particularly in media, technology, and entrepreneurship; and continued investment in the company's landmark Internet Essentials program. It is estimated that these new commitments will impact as many as 50 million Americans over the next 10 years. In 2021 alone, Comcast estimates students will be able to complete more than 25 million hours of remote learning lessons to further address the "homework gap" at the hundreds of Lift Zone locations that have already opened or will open soon.

"Ten years is a remarkable milestone, signifying an extraordinary amount of work and collaboration with our incredible community partners across the country," said Dave Watson, Chief Executive Officer, Comcast Cable. "Together, we have been able to connect millions of people to the power of the Internet at home, and to the endless opportunity, education, growth, and discovery it provides. Today, we are rededicating ourselves to this mission to ensure that the next generation of students in America has the tools, resources, and abilities they need to succeed in an increasingly digital world."

"For more than a decade, Comcast has been a leader in working with communities to close the Digital Divide through its Internet Essentials program," said Marc H. Morial, President and CEO of the National Urban League. "From its beginning as a pilot program with the Wilmington Urban League to today, Comcast's Internet Essentials program has transformed millions of lives by connecting low-income households to the power of broadband. While the ongoing COVID-19 pandemic placed a spotlight on the digital divide, for the past decade Comcast, in partnership with organizations like the National Urban League, has been leading the effort to close the digital divide, address the homework gap, and ensure low-income communities have the necessary digital skills."

"Last year, we partnered with Comcast on a major campaign to encourage Americans to participate in the first-ever digital census," added Rebecca DeHart, CEO, Fair Count. "We are so proud to have partnered with Comcast on this valuable work—connectivity is incredibly essential to civic participation. It gives communities a voice and it enables individuals to take part in the cultural conversations that need to take place in this country. Broadband adoption, just like census participation, can mean the difference between communities growing and thriving or being left behind. For the past decade, the Internet

Essentials program has successfully helped to narrow these digital divides. We look forward to the next 10 years of Internet Essentials and join Comcast in celebrating this significant achievement.”

“For a decade Comcast’s Internet Essentials program has provided Latino families with tools and resources to access high speed Internet at home. Hispanic Federation has been proud to partner with Comcast and work with this program to bridge the digital divide and offer Latino communities the opportunity to access health, educational, and economic resources online,” said Brent Wilkes, Senior Vice President at the Hispanic Federation. “We look forward to the next ten years of partnership with Comcast as we tackle more challenges in our ever-changing digital world.”

In addition to capturing the total number of connections Internet Essentials has provided, the 10-Year Progress Report also highlights other key metrics about the program, including having:

- Increased the program’s Internet speeds six times, from 1.5 Mbps in 2011 to 50 Mbps today, without ever increasing the price of the program, which has remained \$9.95/month.
- Launched its Lift Zones program, which aims to connect more than 1,000 community centers with free WiFi by the end of 2021.
- Developed an Internet Essentials Partnership Program that has signed up hundreds of schools, school districts, and other organizations that have come together to help connect tens of thousands of students to the Internet during the COVID-19 pandemic.
- Offered 60 days of free Internet service to any new Internet Essentials customer who needed to get online during the coronavirus outbreak.
- Expanded the number of languages our Internet Essentials call center agents can speak to more than 240, plus American Sign Language, to help ensure we break down language barriers that can prevent people from applying or getting online.
- Built up an online learning center that includes more than 200 digital literacy training videos, guides, and reports that are free to anyone to use, including non-customers.
- Developed an employee network of 3,000 Internet Essentials Ambassadors who volunteer their time to help spread the word about the program in their communities.

This new commitment comes on the heels of a series of initiatives announced during the COVID-19 pandemic that reinforced the company’s commitment to addressing the digital divide and the homework gap by upping speeds to 50 Mbps downstream without changing the program’s \$9.95/month price. The company also continues to offer 60 days of free Internet service to new Internet Essentials customers who sign up before June 30, 2021.

About Internet Essentials

Internet Essentials is Comcast’s signature digital equity initiative and the nation’s largest and most comprehensive broadband adoption program. In 10 years, it has helped connect 10 million low-income Americans to broadband Internet at home, most for the very first time. Internet Essentials has a comprehensive design that addresses each of the three major barriers to broadband adoption. This includes: multiple options to access free digital literacy training in print, online, and in person; the option to purchase a heavily subsidized, low-cost Internet-ready computer; and low-cost, high-speed Internet service for \$9.95 a month, plus tax. The program is structured as a partnership between Comcast and tens of thousands of school districts, libraries, elected officials, and nonprofit community partners. Comcast has never raised the price of the program. For more information about Internet Essentials and Comcast’s commitment to education and digital equity, please visit <https://corporate.comcast.com/education>. To apply, visit www.internetessentials.com or call 1-855-846-8376 for English or 1-855-765-6995 for Spanish.

About Comcast Corporation

Comcast Corporation (Nasdaq: CMCSA) is a global media and technology company that connects people to moments that matter. We are principally focused on broadband, aggregation, and streaming with over 56 million customer relationships across the United States and Europe. We deliver broadband, wireless,

and video through our Xfinity, Comcast Business, and Sky brands; create, distribute, and stream leading entertainment, sports, and news through Universal Filmed Entertainment Group, Universal Studio Group, Sky Studios, the NBC and Telemundo broadcast networks, Peacock, NBC News, NBC Sports, Sky News, and Sky Sports; and provide memorable experiences at Universal Parks and Resorts in the United States and Asia. Visit www.comcastcorporation.com for more information.

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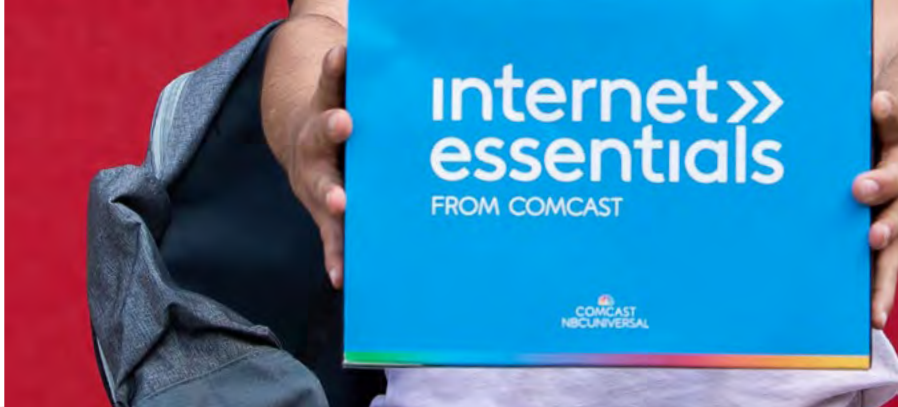
Media Contact:
Charlie Douglas
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(215) 264-8020



10 YEARS

internet» essentials

Internet Essentials from Comcast has helped 10 million low-income Americans connect to the tools and resources they need to succeed in an increasingly digital world.





Ready for school
no matter what
it looks like.

Student from Northeast
High School

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Letter from Dave Watson about Comcast's Commitment to Digital Equity

When we launched Internet Essentials 10 years ago, we began an ambitious journey to connect low-income Americans to the Internet. Thanks to the hard work and support of so many, Internet Essentials is now the largest and most comprehensive Internet adoption program in the country, connecting more than 10 million* people.

Ten million people over 10 years is an exciting milestone, but it's just the beginning of our next chapter. We are proud to share that over the next 10 years, Comcast is committing \$1 billion to reach 50 million people from low-income families and provide them with the training, tools, and resources they need to succeed in a digital world. This investment will allow us to continue providing grants to nonprofit partners, supporting Internet adoption and digital skills training, and investing in underserved communities.

This is not the first time we have accelerated our efforts to bridge the digital divide, nor will it be our last. Since the earliest days of the Internet Essentials program, we have partnered with incredible organizations to include more people, improve the program, and create a bigger impact. We have expanded the reach of Internet Essentials 12 times,

most recently to include all low-income households in our service area, including veterans, seniors, people with disabilities, and more. We have increased speeds, from 1.5 Mbps in 2011 to 50 Mbps today, and subsidized or donated 150,000 desktop and laptop computers. Along the way, we have brought home the transformative power of connection to more than 10 million people and offered digital skills training and tools to millions more.

When the COVID-19 pandemic struck, we expanded again by launching a first-of-its kind connectivity initiative in community centers. Partnering with local organizations, non-profit partners, and city leaders, we equipped community centers across the country with WiFi-connected safe spaces, called "Lift Zones", where students and families can access the Internet. We plan to launch 1,000+ Lift Zones by the end of this year, reaching millions more people in our communities.

\$1B

commitment over the next 10 years to reach 50 million people from low-income families with connectivity, skills, training, and resources.

*Cumulative total since 2011



Students and Head of School of the Pennsylvania School for the Deaf

Ten years is a remarkable moment signifying an extraordinary amount of work, and we did not do it alone. The launch of Internet Essentials, as well as its tremendous growth and success over the past decade, is a result of those who paved the way through research, tireless advocacy for digital equity, and the creation and adaptation of digital skills training models to meet the needs of community members. I invite you to continue reading to learn more about the journey of Internet Essentials and the work of our team and our extraordinary partners.

We are proud of our progress, but we have more to do and more to learn. We are excited and energized to take these next steps, and we look forward to working with all of you to get there.

Sincerely,

DAVE WATSON
President and Chief Executive Officer
Comcast Cable

Student from Strawberry Mansion High School in Philadelphia with his mother



Digital Divide in the U.S.

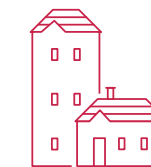
We believe deeply in the power of connection. It is unacceptable that we have a digital divide in this country, which keeps so many families from the powerful skills, tools, and resources they need to succeed. Approximately 25% of American households do not subscribe to broadband Internet at home. Ten years ago, we created Internet Essentials to help address the digital divide and the homework gap and give low-income families the opportunity to experience the transformative power of the Internet in their own homes. Over the last decade, we've worked with thousands of partners across the country and have collectively made tremendous progress. **In our service area, 40% of the growth in broadband adoption among low-income households with school-age children can be attributed to the Internet Essentials program.***

CITY COMPARISON



Up to 95% of households in affluent cities have a home broadband subscription.

VS.



Only 50% of households in cities with high poverty rates have a home broadband subscription.

This 45-percentage-point gap represents the digital divide in the United States.**

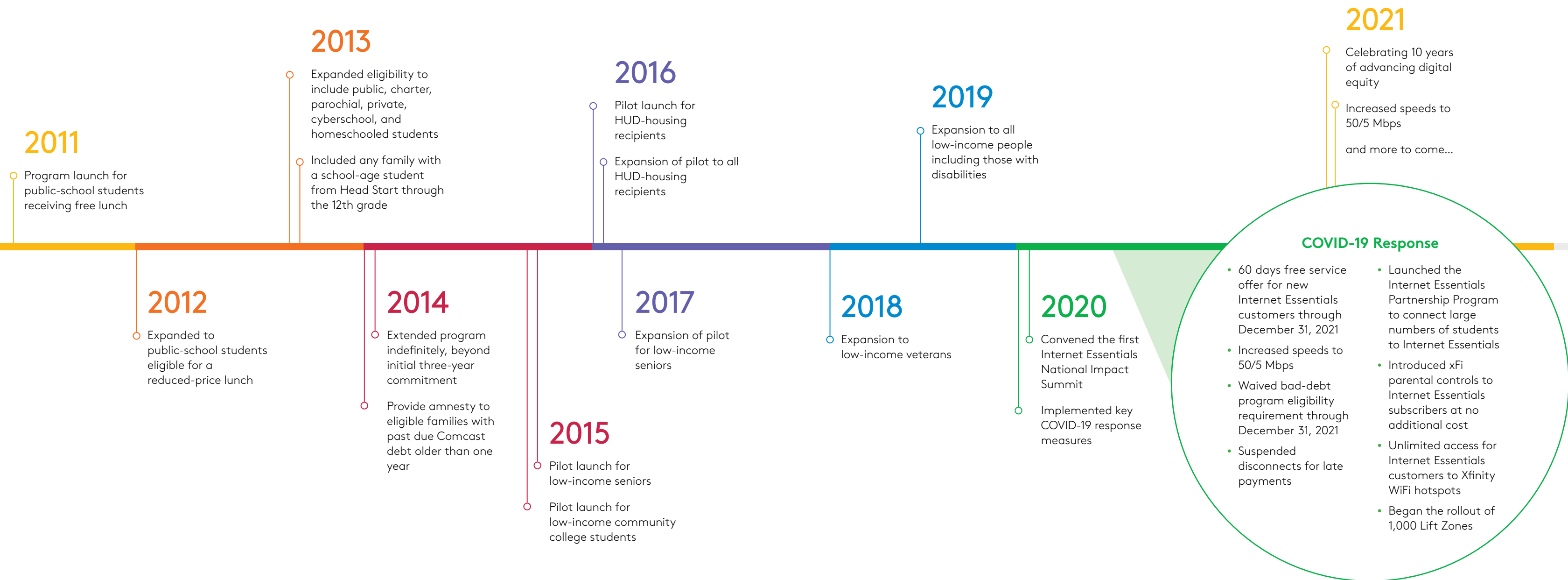
*Zuo, G., 2021 (In Press). "Wired and Hired: Employment Effects of Subsidized Broadband Internet for Low-Income Americans." To be published in *American Economic Journal: Economic Policy*.

**U.S. Census 2019 American Community Survey

Program Timeline

For Comcast, addressing the need for digital equity has been a decade-long pursuit. In 2010, the Federal Communications Commission released the National Broadband Plan (NBP), articulating the barriers to broadband adoption and digital inclusion, and focusing attention on the importance of having a home Internet connection. In 2011, Internet Essentials was the first comprehensive programmatic response by a major Internet service provider to address the main barriers to broadband adoption.

For 10 years, we have worked closely with our partners to refine the program in meaningful ways and expanded the eligible population numerous times. Together, we are committed to creating and supporting digital equity within the communities we serve.



12 expansions of eligibility (available to all eligible low-income households)

18 innovations (including improving our streamlined application process and launching the Internet Essentials Partnership Program)

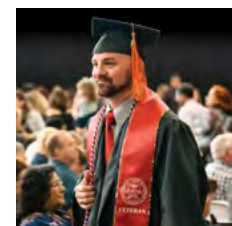
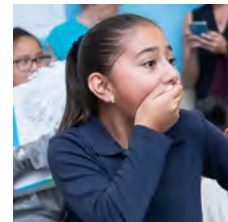
14 improvements to the value of the service (including speed, in- and out-of-home WiFi, computer options)

9 innovations in digital literacy, including the creation of 1,000+ Lift Zones

Program Retrospective

in 10 years, we have...

CONNECTED MORE THAN **10M** LOW-INCOME AMERICANS TO THE INTERNET AT HOME



In 10 years, our commitment to bridging the digital divide has transformed into an enormous investment in advancing digital equity. Our newly created Internet Essentials Partnership Program and Lift Zone initiative are manifestations of this, as is our significant increase in investment in digital equity partners.

Program Design

Internet Essentials is about far more than bringing high-speed Internet into a home. From the beginning, we have designed our program based on comprehensive and consistent research which tells us there are three main barriers to broadband adoption: 1) a lack of perceived need for or interest in (and even fear of) the Internet, mostly stemming from limited digital skills, 2) not having functioning equipment, and 3) the cost of a monthly service subscription. Internet Essentials has been designed to address all of these barriers head-on. We continue to rely on external research, as well as sponsoring and conducting our own, to expand our understanding of these complex and evolving issues.

\$700M

invested in the past 10 years to connect more than 10 million low-income people to the power of the Internet at home, provide digital skills training, and subsidize or donate devices.

A COMPREHENSIVE APPROACH

According to a 2019 U.S. Census Bureau and National Telecommunications and Information Administration survey, **among the top reasons people do not subscribe to Internet at home are:**

60% cite lack of need for, or interest in, the Internet

19% cite cost of monthly service

3% cite no computer, inadequate equipment, or cost of a computer

To address these barriers, Comcast designed Internet Essentials as a wraparound solution.

Awareness & Training
Comcast works with a network of partners to offer free in-person, online, and printed digital literacy training materials and classes.

Low-Cost Service
Comcast provides low-cost, high-speed Internet to low-income households across Comcast's service area for less than \$10 per month.

Equipment
Internet Essentials customers can purchase a subsidized and discounted computer for less than \$150

LOW-COST CONNECTIONS

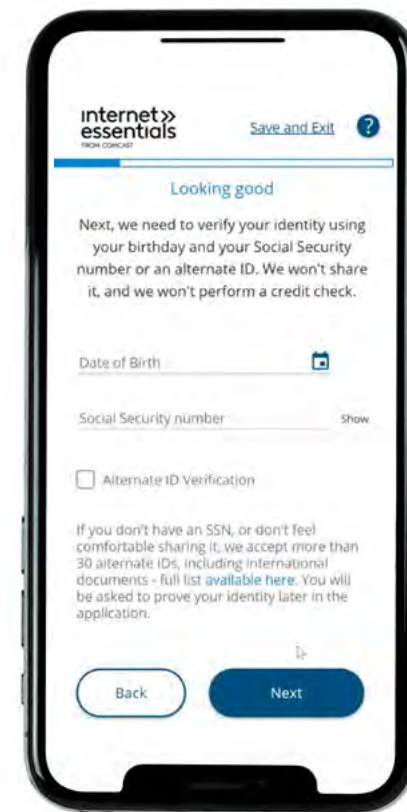
We've made tremendous progress toward closing the digital divide. In ten years, we've connected millions of low-income people to the Internet at home, more than 80% of whom were not connected prior to signing up. The program is available to ALL low-income households including those participating in programs like NSLP, Medicaid, SNAP, SSI, and many more.

Since 2011, we've continued to improve our application process, including adding and expanding an expedited application review, and working to make the application and onboarding process easier and more convenient so that our customers have the best possible experience.

Just last year, we added two-factor ID verification to support applicants who are uncomfortable or unable to provide a social security number to verify their identity.

Continuous Improvement to Our Customer Experience

Since the beginning, we have pledged to listen to and learn from our partners, modify by trial and error, and rely on the best research in the field to build a program to reach as many people as possible.



240

languages available through our call center, seven languages available in our online application.

Expedited Review

Available to students attending Title I schools or those participating in the Internet Essentials Partnership Program, HUD housing residents, and households living in high-poverty areas.

Customer Satisfaction

90% of Internet Essentials customers surveyed are highly satisfied with the service they receive.

AWARENESS & TRAINING

Digital skills training is the most important facilitator for getting people connected. Since 2011, we have made nine enhancements to our digital skills training portfolio, including developing Online Safety Toolkits, working with partners to design best-in-class curricula to engage senior citizens, and providing computer labs and other equipment to support digital participation at community centers across the country. We are proud to support **digital skills training** via a network of tens of thousands of partners who share our vision of bringing the Internet to everyone.



8.5M

lifetime visitors to our online Learning Center, accessing more than 200 training videos, guides, and reports.

67M+

marketing materials have been sent at no cost to partners.

21M

PSAs aired valued at more than \$255 million.

Ready for anything.

Internet Essentials from Comcast brings you affordable, high-speed home Internet. When you're connected, you're ready for anything.

Apply today if you qualify for programs like the National School Lunch Program, housing assistance, Medicaid, SNAP, SSI, and others.

2 months of free Internet Essentials service for new customers.

\$9.95
Per Month + Tax after promotional pricing

No Term Contract
No Credit Check
Free Self-Install Kit

APPLY NOW >>
InternetEssentials.com
1-855-846-8376

Offer ends 12/31/2021. Restrictions apply. Not available in all areas. Limited to Internet Essentials (ICE) service from Comcast for new residential customers meeting certain eligibility criteria. Offer limited to 2 months of complimentary service. Taxes, service charges, and professional install apply after promotion. *After this offer, Comcast's standard service rates will apply. Comcast reserves the right to modify or discontinue this offer at any time without notice. Offer subject to change without notice. © 2021 Comcast. All rights reserved.

internet essentials
FROM COMCAST



Dale

CUSTOMER SPOTLIGHT

Dale learned about Internet Essentials from the Ed Snider Youth Hockey Foundation in Philadelphia while he was still in high school. When he and his family connected, the service benefited both Dale and his five brothers and sisters. Dale is in his sophomore year at Kutztown University of Pennsylvania.

EQUIPMENT

An Internet connection is only as good as the device through which it is accessed. That's why we offer the option to purchase a low-cost computer for less than \$150. Internet Essentials customers can choose an Internet-ready laptop with a 1-year mail in warranty to get up and running.

We also know that innovations in technology happen every day, and we strive to bring those same innovations to all of our customers. Since 2011, we have made nine enhancements to the value of the service under the Internet Essentials program, including improving the quality and options of our computer offering.

25K

laptops personally donated
to the School District of Philadelphia
by the Roberts family.

130K computers provided

Comcast has provided 130,000 low-income people with affordable subsidized computers.

20K computers donated

Comcast has donated more than 20,000 Internet-ready devices to households and community-based organizations since 2015.



GIVEAWAY SPOTLIGHT

In an exciting moment of Comcast NBCUniversal synergy, we partnered with TODAY and Craig Melvin to pull off the biggest laptop and connectivity surprise giveaway in Internet Essentials' history. On September 18, 2020, we surprised the McKeesport Area High School and Founders Hall Middle School in Pennsylvania with 2,500 Dell Technologies laptops and Internet Essentials Opportunity Cards for 12 months of complimentary service—enough for every high school and middle school student, as well as the faculty and staff, to connect to school from home.



CUSTOMER SPOTLIGHT

At the start of the pandemic, LaJoy Johnson-Law knew her daughter's education would depend on having home Internet and the technology through which to access it. Since connecting to Internet Essentials, LaJoy has also used the service to access information and resources related to her daughter's special needs and to become a fierce community advocate herself. While her 2020 DC State Board of Education campaign run was unsuccessful, LaJoy remains committed to ensuring that all families are represented and all students have the opportunity to achieve greatness.

Elements of Success

Comcast is focused on shaping the future by driving innovation through technology—and staying connected to the communities we serve. These principles are core to our company and form the driving ethos of our community impact philosophy, which was first established by our founder, Ralph J. Roberts: when the communities we serve thrive, the company thrives as well. Empowering communities, supporting prosperity, and advocating and building skills for social inclusion and participation are essential to the program’s success and to the success of the company as a whole.

EMPOWERING COMMUNITIES

Nothing we do in the Community Impact space has as much effect on our communities as the Internet Essentials program.

Partners and Ambassadors

The ten years of tremendous success we have had with the Internet Essentials program belongs to our internal and external partners—the communities we collaborate with and our employee volunteers, all of whom work tirelessly to build honest, meaningful, and long-lasting relationships that raise awareness for the program and drive participation.

tens of thousands

of community partners

3K+

current volunteer Ambassadors

20K

outreach engagements by Ambassadors since 2013

We have taken a consistent and integrated approach to work with government and elected officials, school districts, libraries, nonprofits, community-based organizations, and other partners to address the digital divide. Our community partners range from large national nonprofits like the Boys & Girls Clubs of America, the YMCA, the National Urban League, and UnidosUS, to hundreds of local nonprofits who not only help promote the program, but also form the bedrock of our digital literacy training efforts.

Our local Internet Essentials partnerships are built, in large part, on the relationships our employees have developed and fostered. Nonprofit partners are supported by a corps of volunteer Ambassadors who give their most valuable resource—time—to support their communities.

“
The work I do as an IE Ambassador is not only a mission in helping to connect low-income families to affordable Internet, but also a personal journey in reconnecting with my roots. As a Chinese immigrant raised in a low-income family, I know first-hand what education and Internet means to these families.
”
Minzhi ‘Jay’ Chen, QA Lead, Xfinity Mobile



Minzhi ‘Jay’ Chen, Amrita Pannu, Justin Van Patten, and Jeanette Walton were selected as 2020 Internet Essentials Ambassadors of the Year for their commitment to advancing digital equity in their communities.

Internet Essentials Partnership Program

The Internet Essentials Partnership Program (IEPP) is designed to help connect large numbers of K-12 students at a critical time. The program provides the opportunity for schools, school districts, government entities, foundations, and other organizations to pay for students’ and their families’ broadband Internet service at home. Creating strong and innovative public-private partnerships enables entire communities to work together to coordinate funding for a few months or a few years. This sponsorship program enables more families to access all the benefits Internet Essentials has to offer, while allowing community-based partners to use their expertise to empower families to take on the challenges of today while preparing for the future.

IEPP began as a pilot in 2019, based on requests and feedback from partners. When schools around the country shifted to a virtual environment due to COVID-19, we were able to expedite formalization of the program in order to meet the extraordinary need.

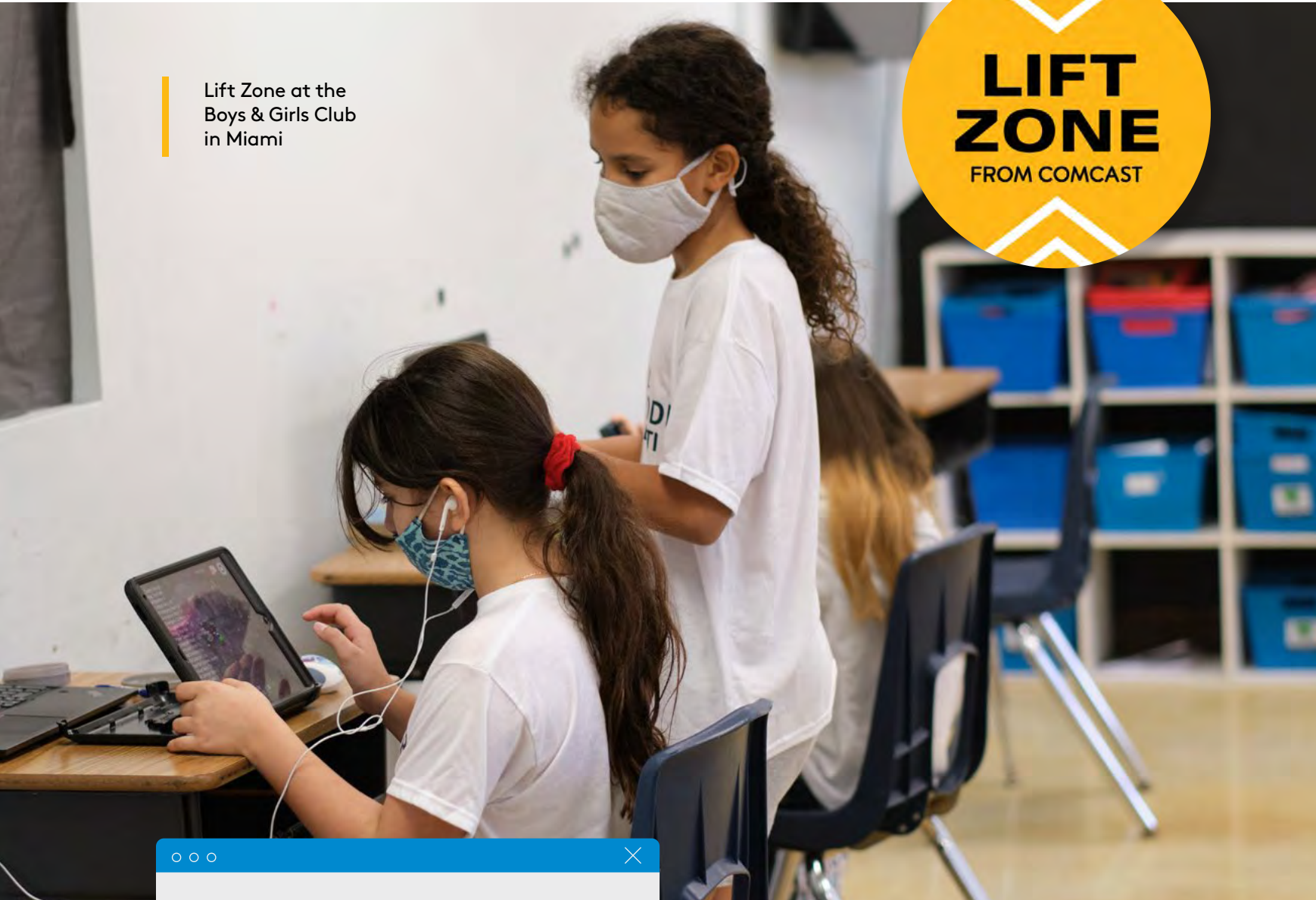
Featured Partners



Lift Zones

Working with our network of thousands of non-profit partners and city leaders, we are creating safe spaces for students and families to connect and learn. Together, we are creating more than 1,000 Lift Zones in community centers to provide internet connectivity and a safe place for students and families to get online.

Lift Zone at the Boys & Girls Club in Miami



25M homework hours

In 2021 alone, WiFi-enabled Lift Zones across the country will allow students to complete over 25 million hours of homework and remote learning.

1K+

Lift Zones to be operational by end of 2021.

SUPPORTING ECONOMIC PROSPERITY

By increasing digital adoption rates, we will improve educational achievement and workforce preparedness—and that will help generate greater economic growth in which all of our citizens can share.

8%+

increase in the employment rate among households who subscribe to Internet Essentials.*

\$1,385

annual increase in earnings for households who subscribe to Internet Essentials.*

BUILDING SKILLS & ADVOCATING FOR SOCIAL INCLUSION & PARTICIPATION

With social and civic engagement activities increasingly moving online, it's vital that everyone have an opportunity to participate and a platform to be heard.

2020 Census Awareness Campaign

Comcast partnered with the U.S. Census Bureau and Telemundo on a campaign to encourage Americans to participate in the first ever digital census.

\$120K donated toward the cost of print materials for hundreds of Census Partner Toolkits, tens of thousands of direct mailers that targeted hard-to-count communities, and doorhangers for field operations.

*Zuo, G., 2021 (In Press). "Wired and Hired: Employment Effects of Subsidized Broadband Internet for Low-Income Americans." To be published in *American Economic Journal: Economic Policy*.

Now more than ever, it's important to complete your census. It's Safe, Easy, and Important for your community.

RESPOND NOW!

Call 844-330-2020 for English, 844-468-2020 for Spanish, or go online at www.2020census.gov

United States Census 2020

The 2020 Census TRUE OR FALSE

- The 2020 Census isn't important to me.**
FALSE
The census counts every person living in the United States. Where there are more people, there are more needs for public services. The 2020 Census will determine how \$475 billion in government funding gets distributed to provide public services to communities each year. The census also determines how many seats your state gets in Congress.
- Taking the census help my community.**
TRUE
The census determines how government funding gets distributed to communities. These dollars support hospitals, fire departments, roads, bridges, affordable housing, and more. So much depends on everyone by April 1, 2020.
- My information is protected by federal law.**
TRUE
The census is a part of this country's Constitution and responses are protected by law. Personal information is not shared with law enforcement, immigration, or benefits officials. Even if you are a non-citizen, taking the census will not put you or your family at risk.
- I don't have time to take the census.**
FALSE
For the first time, the census will be online. Its nine questions are available in thirteen languages. Answers won't be checked until after you've completed about ten minutes.

Visit www.GetCounted.com for up-to-date information on how (and why) to take the 2020 Census, or scan the QR code below.

Ready to be counted. www.GetCounted.com

Logos: internet essentials, U.S. Census Bureau, COMCAST NBCUNIVERSAL, GET COUNTED

Comcast and Telemundo encourage communities to participate in the first digital census.

In these uncertain times, we want to empower communities and help them stay connected—to their loved ones, workplaces, schools, and the latest news and information. Internet Essentials from Comcast provides Internet service at home to millions of low-income families, including seniors, veterans, and people with disabilities.

Visit InternetEssentials.com or call 1-855-846-8376 to apply.

When communities are connected, they're ready for anything.



Program Impact

Our work toward digital equity begins by connecting the unconnected, but it doesn't end there. Through our community partnerships to support educational success, build skills for a digital economy, access healthcare, and promote online safety, we are deeply committed to supporting positive change in our customers' lives.

EDUCATION

COVID-19 has more fully exposed systemic inequities across the board. Prior to the pandemic, we understood that access to an Internet connection was fundamental to the success of students and families around the country. As we started the 2020-2021 school year, many districts and states did not have students return to any form of in-person learning, while others returned with a hybrid approach. Because of existing digital inequities, combined with the global pandemic, low-income students suffer the most without a home broadband connection.

That's why in 2020, we launched two new initiatives: the Internet Essentials Partnership Program, allowing for a family's service to be sponsored by a third-party organization; and Lift Zones, 1,000+ WiFi-connected safe spaces in which students and their families can connect to the Internet. Our goal is to have launched all 1,000 of our Lift Zones by the end of 2021.

90%+

of parents surveyed say the service has a positive impact on their child's grades.*

5M

low-income students connected to the Internet via Internet Essentials.

*Comcast Annual Internet Essentials Customer Survey and internal application data

**Foundational Digital Skills for Career Progress, Ian Hecker and Pamela Loprest, Urban Institute, August 2019

WORKFORCE

Prior to the COVID-19 crisis, there was a clear and pressing need to prepare the workforce for digitization. With the majority of education and business moving online, it is more important than ever to develop a workforce that is able to respond quickly to rapid shifts in a fast-evolving economy.

Workers who lack the digital skills required to create a resume, write an email, or apply for a job online face an ever-shrinking job market. The increasingly technological nature of work means that a baseline of digital skills is necessary to thrive in today's workplace—including in occupations that have not traditionally required technology, like home health aides or welders.**

Increasing digital adoption rates will improve both educational achievement and workforce preparedness, and that will help generate greater economic growth in which all Americans can share.

76%

of customers feel their service has already helped someone in the household locate or obtain employment.*

78%

of households say the service has helped them learn a new skill.*

CUSTOMER SPOTLIGHT

Everel and her family first learned about Internet Essentials from a community-based organization where her children received after-school care while she searched for employment. After receiving a certification in health management, Everel landed a job at a Baltimore hospital. She currently works and serves on the board of the same community organization where she learned about the program.

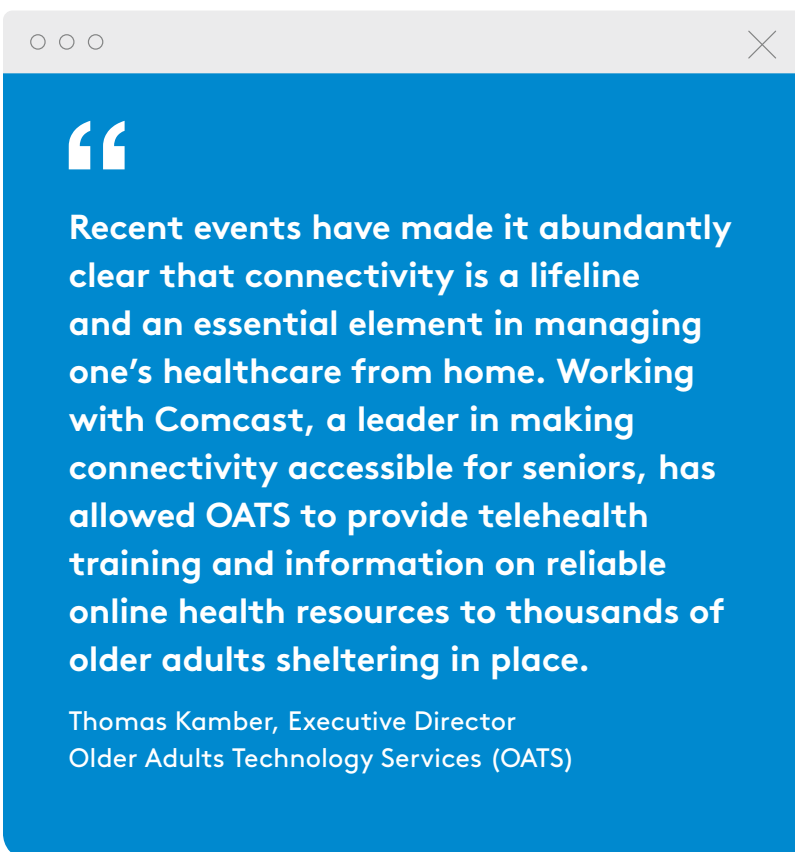


HEALTHCARE

Before COVID-19, telehealth was a less burdensome option for doctor visits, particularly for people or families managing multiple work schedules or struggling with reliable childcare and transportation. Opting for a telehealth appointment can reduce the total time spent on a doctor's visit from two hours to 15 minutes* and eliminate a number of the logistical barriers, especially for people with disabilities and those who have limited transportation.

The COVID-19 pandemic has led to a massive shift in healthcare delivery. Healthcare systems and physician offices have accelerated digital health solutions at record speed, making telehealth a critical component of flattening the COVID-19 curve.

As a result, telehealth is no longer a convenient option, but an indispensable option.



“Recent events have made it abundantly clear that connectivity is a lifeline and an essential element in managing one's healthcare from home. Working with Comcast, a leader in making connectivity accessible for seniors, has allowed OATS to provide telehealth training and information on reliable online health resources to thousands of older adults sheltering in place.”

Thomas Kamber, Executive Director
Older Adults Technology Services (OATS)

88%

of customers say the service has helped them remain connected to healthcare during COVID-19.

Of those who experienced difficulty getting medical treatment,

90%

of customers say that having Internet service at home helped them access healthcare services.

ONLINE SAFETY

With the COVID-19 crisis shifting so much of our lives to the virtual world, online safety concerns for at-risk populations, like children, seniors, and the underserved, are becoming even more pronounced.

Our company first launched its national Online Safety initiative in the fall of 2017, when we announced an Internet Essentials partnership with Pennsylvania Attorney General Josh Shapiro to educate seniors, parents, and children about how to stay safe online. In 2018, we built on this work by entering into an ambitious partnership with the Conference of Western Attorneys General (CWAG) to further promote Internet safety for seniors and families.

Partnering with **more than 20 State Attorneys General**, Common Sense Media, ConnectSafely, FOSI (Family Online Safety Institute), and WGBH, we have delivered a comprehensive Online Safety Toolkit for law enforcement officials, provided significant investments in cybersecurity training classes, produced public service announcements, and distributed tens of thousands of online safety brochures for seniors and parents.

50+

Online Safety Toolkits delivered to Attorneys General across the country.



The Online Safety Toolkit provides chief law enforcement officers with up-to-date materials to help spread awareness about the importance of online safety and digital citizenship, and contains information about the latest cybersecurity pitfalls.

7M+

views in 2020 of WGBH PBS KIDS "Search It Up", 2021 winner of NETA's Annual Public Media Awards for Best Short Form.



In collaboration with Internet Essentials, WGBH produced, "Search It Up" A Mini-Series About Kids and Technology, featuring nine unscripted, live-action, short-form videos where children explore online safety and best practices for Internet use. [Click here](#) to view.

*Ray, K.N., Chari, A.V., Engberg, J., Bertolet, M. and Mehrotra, A., 2015. Opportunity Costs of Ambulatory Medical Care in the United States. *American Journal of Managed Care*, 21(8), pp.567-574.

What's Next

In 2020, Comcast's Internet Essentials launched the Impact summits, a series of national and regional virtual convenings, bringing thought leaders, public officials, subject matter experts, and nonprofit partners together to discuss digital equity and the challenges related to COVID-19.

The first in a series of virtual convenings, the Impact Summit in March 2020 amassed the knowledge, experience, and skills of our partners to drive greater impact in the communities we serve. The event focused on three areas—education, workforce development, and healthcare—for Internet Essentials to understand its impact and refine its outreach and partnership strategies.

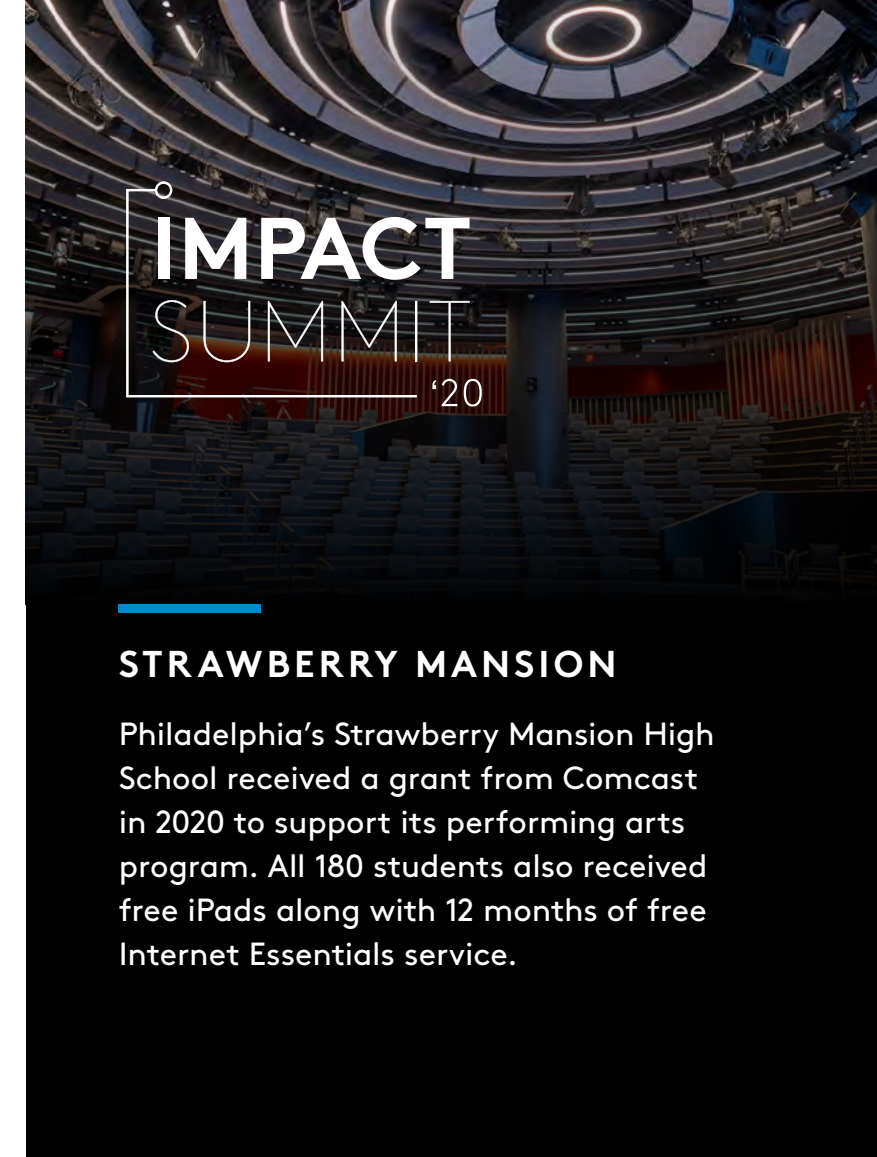
Our second event, the Impact on Education Summit, held in the fall of 2020, focused on discussing and disseminating best practices for communities across the country to ensure every student, teacher, and school has the tools necessary to create a high-quality online learning experience. Soon after, a series of virtual regional summits were held which also focused on best practices for communities across the country such as K-12 education, veterans, telemedicine, and seniors.

We plan to continue in 2021 with events that explore our efforts to bridge the digital divide in education as well as in other areas including online safety and workforce development.

KEY INSIGHTS WE LEARNED

[Click here](#) to download our **Impact Summit Recap Report**.

- 1 One of the most impactful roles Comcast can play is as a convener for business, government, and nonprofits, all working to close the digital divide.
- 2 Connectivity is seen by our partners as only a part of a multi-pronged solution to economic mobility, driving education equity, improving healthcare outcomes, and generating innovation.
- 3 Even as Internet Essentials expands its scope and reach, we must continue to build and strengthen our partnerships and constantly refine our strategy to ensure the possibilities of the Internet are available to as many people as possible.



STRAWBERRY MANSION

Philadelphia's Strawberry Mansion High School received a grant from Comcast in 2020 to support its performing arts program. All 180 students also received free iPads along with 12 months of free Internet Essentials service.



IMPACT ON EDUCATION

MAURICE

Maurice Douyon, Internet Essentials customer and Florida Community Christian freshman, received a scholarship from Comcast in 2020 to help him achieve his academic dreams.

Commitment to Digital Equity

Since the program's inception a decade ago, Internet Essentials has connected more than 10 million people across the country to low-cost, high-speed Internet at home, and provided free digital skills training and subsidized devices. However, our commitment to addressing digital inequities in underrepresented communities extends beyond this work. That is why we are pledging to invest more than \$1 billion over the next 10 years to empower an additional 50 million low-income Americans with the tools and resources necessary to succeed in today's digital world. We will continue working hand-in-hand with our network of community partners across the country as we accelerate our goals to innovate and expand upon the Internet Essentials program.

〇〇〇

“

Advancing digital equity has been core to our company's DNA and it's an issue we've recommitted to during this critical time. Our mission is to create a more connected and equitable society. That begins with ensuring that every student—and adult—has access to the training and education resources they need to build a brighter future.

Brian L. Roberts
Chairman & CEO
Comcast Corporation

\$1B

committed by Comcast over the next 10 years to the critical work of advancing digital equity.

50M

Americans empowered to take advantage of a world of knowledge and opportunity through our initiatives by 2031.

Ready for the future,
Ready for anything

Ummi, customer



Lift Zone at the
Boys & Girls Club
in Miami

1-855-8-INTERNET (1-855-846-8376)

1-855-SOLO-995 (1-855-765-6995)

InternetEssentials.com | es.InternetEssentials.com





BUILDING A MORE DIVERSE, EQUITABLE AND INCLUSIVE SOCIETY

We are Committed to Advancing Diversity, from our Workforce
and Board Leadership to our Programming and
Community Investments



Comcast NBCUniversal embraces diversity of background, culture, and experience throughout every aspect of our business — from the people who power our teams to the products we create, the stories we tell, and the organizations we support. We believe that a diverse, equitable, and inclusive company is also a more innovative and successful one.

Our Multi-Year \$100 Million Plan to Advance Social Justice

In the wake of growing public focus on issues of racial justice and equality in 2020, we pledged an additional \$100 million to fight injustice and inequality. We also announced Dalila Wilson-Scott as our new Chief Diversity Officer to spearhead our Diversity, Equity, and Inclusion initiatives. We are partnering with, and providing significant grants to, organizations working to promote equity and inclusion. We are also accelerating our internal efforts in all areas of Diversity, Equity & Inclusion — including employee advancement, hiring, and training as well as highlighting underrepresented voices on our media platforms. We continue to deepen our long-standing commitment to promoting digital equity and supporting small businesses owned by people of color that have been affected by extended closures in the wake of COVID-19.

Our Longstanding Commitment to Diversity, Equity & Inclusion

Our company-wide **Diversity, Equity & Inclusion (DE&I)** initiatives are embedded in our business and culture and are shaped by our close and long-standing partnerships with many of the nation's leading civil rights organizations. Further, we commit to measurable goals in our board representation and governance, our programming, workforce, supplier diversity, and our community investment.

We also work in close partnership with our **Joint Diversity Advisory Council (JDC)**, which we founded a decade ago and which is composed of civil rights and political leaders representing the African American, Asian Pacific American, Hispanic, Native American, LGBTQ, military communities, women, and people with disabilities. These leaders monitor our progress and provide counsel on our DE&I initiatives. Nearly a decade after its founding, the JDC remains the largest external diversity council in corporate America, by a large margin.

Recognized as One of America's Most Inclusive Employers

Fortune: One of America's 20 Best Employers for Diversity in 2020

Fortune: One of America's 25 Best Large Workplaces for Women in 2020 and one of America's 30 Best Workplaces for Diversity in 2019

DiversityInc: #7 Company for Diversity in 2020

People Magazine: Named to "50 Companies that Care" list for the 3rd straight year in 2020

Human Rights Campaign: Received a score of 100 for "Best Places to Work for LGBTQ Equality" in 2020

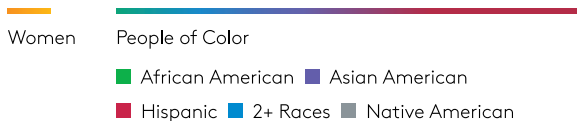
Disability Equality Index: Received a score of 100 for "Best Places to Work for Disability Inclusion" in 2020

Hispanic Association of Corporate Responsibility: Recognized as a "5-Star Company" on the 2020 Corporate Inclusion Index

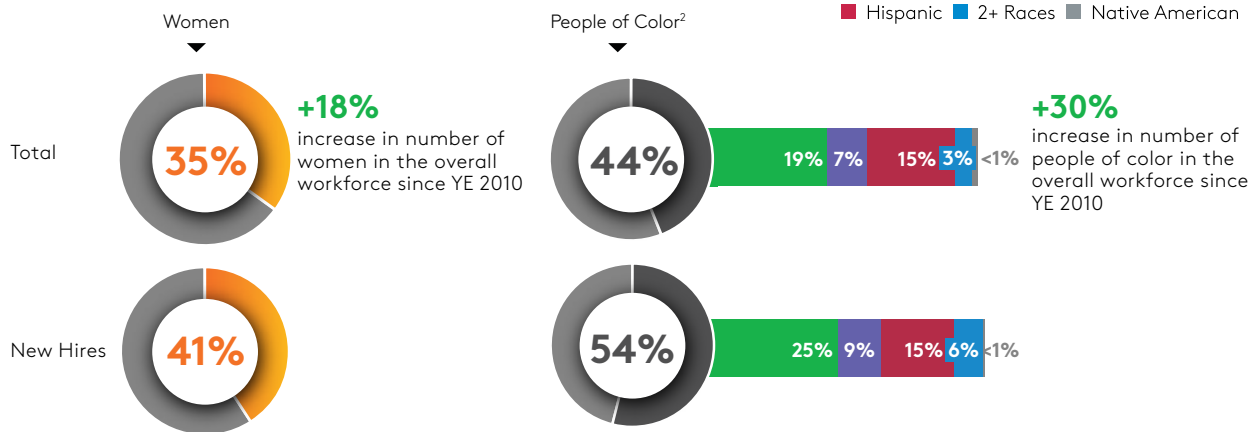
Military Times: #1 Ranked Company on MT's "Best for Vets: Employers" 2020 List

Building a Diverse and Inclusive Workforce

We are proud that our workforce composition reflects the diversity of the communities we serve. In 2019, 62% of our workforce and 71% of new hires were women or people of color. Currently, 50% of our board of directors are women or people of color.



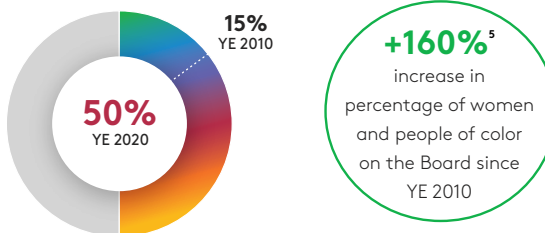
OVERALL WORKFORCE YEAR-END (YE) 2019¹



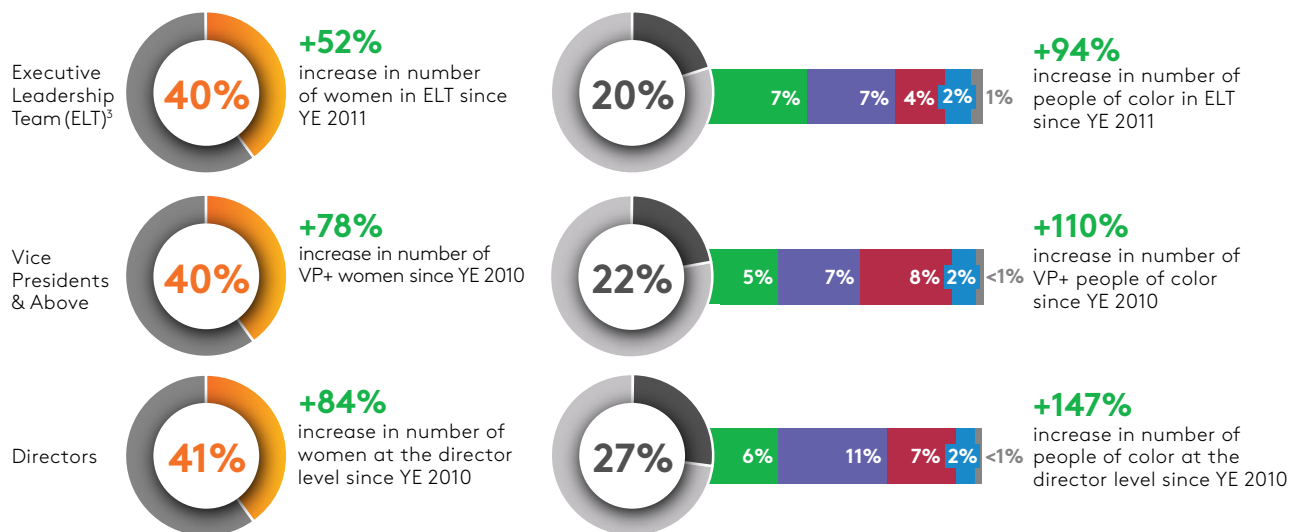
GOVERNANCE

Our commitment to diversity starts at the top, with our Board of Directors. The diversity of our Board has nearly tripled since YE 2010.

BOARD DIVERSITY⁴



LEADERSHIP YE 2019



¹ Workforce metrics are reflective of our U.S. full-time employees.

² Ethnic diversity numbers may not sum to total due to rounding.

³ Our Executive Leadership Team includes the CEOs and their first- and second-level direct reports

⁴ "Diversity" data refer to people of color and women, without double-counting women of color.

⁵ Throughout this document, changes in percentage representation refer to the growth rate of percentage representation between a starting point and an ending point. For example, an increase from 10% to 15% is a growth rate of +50%.

A Commitment to Diverse Storytelling Across Our Platforms

We lead the entertainment industry in empowering diverse content creators and using our storytelling platforms to deliver programming that represents the audiences we serve and features stories and diverse casts that reflect real life experiences in diverse communities. We carry more than 100 diverse networks on Xfinity platforms, and we offered more than 24,000 hours of diverse content on our on-demand and online platforms in 2019.

Further, we also curate easy-to-browse special content collections on our X1 platform featuring thousands of hours of culturally relevant programming.

Recent X1 content collections include:

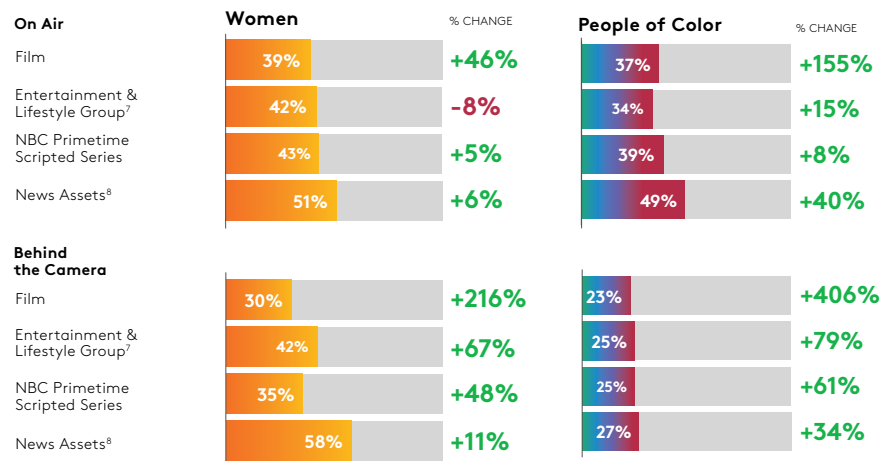
- **Black Voices. Black Stories.** — A collection of bold movies, documentaries, TV series, and specials reflecting the country’s long history of racial discrimination and injustice, designed to educate and drive awareness.
- **Echando Pa’lante Juntos** — Thousands of hours of programming designed to amplify and celebrate Latinx voices and Hispanic culture, history, and community.
- **Native American Heritage Month Content Collection** — Movies, programs, and documentaries that pay tribute to Native American culture and history, including popular Native American dramas, thrillers, and westerns.

Additionally, this year we’ve entered into multiple content partnerships with diverse content creators including Lebron James, Ava DuVernay, Sean Combs, Justin Lin, and Tanya Saracho.

Expanding Diversity in Front of and Behind the Camera

At Comcast NBCUniversal, we take pride in creating opportunities in the media industry for women and people of diverse backgrounds and experiences — both in front of and behind the camera.

NBCUNIVERSAL DIVERSITY YE 2019⁶



** Increases and decreases next to each graph represent the growth rate of percentage representation. For women the numbers reflect the growth rate since YE 2013; for people of color they reflect the growth rate since YE 2010.

⁷ Entertainment & Lifestyle Group includes USA and Syfy.

⁸ News assets includes NBC News, MSNBC, CNBC, and NBC-owned stations, but does not include Telemundo Network News or Telemundo stations.

Addressing Digital Inequities

Our **Internet Essentials** broadband adoption initiative, launched in 2011, has connected more than 8 million low-income individuals to residential broadband — more than 90 percent of whom were not previously connected. The NAACP has hailed Internet Essentials as “the largest experiment ever attempted to close the digital divide.”

In response to the unprecedented COVID-19 emergency, we’ve built on the success of Internet Essentials to launch the **Internet Essentials Partnership Program (IEPP)**, a new initiative that works with school districts, local government, and philanthropic partners to get unconnected students online at home.

In 2020, Comcast also launched **Lift Zones**, a cooperative effort with local community and government leaders to open 1,000 WiFi-connected facilities in community centers nationwide. These centers offer students free connectivity, digital literacy training, and support for online learning.

Since September, we’ve announced new partnerships with organizations that share our commitment to creating a more connected and equitable world, helping to provide critical skills training to youth and adults to ensure everyone has the opportunity to succeed. Examples include:

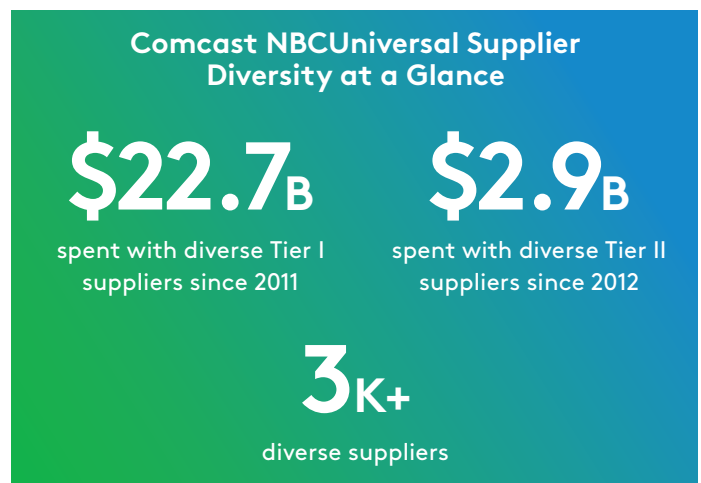
- **Saga Education:** We partner with Saga Education to bring their world-class tutoring online and invested in the organization to help expand their reach and impact.
- **Coded by Kids:** We support Coded by Kids, whose founder and CEO Sylvester Mobley and team recently launched OnE Philadelphia — a new initiative focused on transforming the city into a pipeline for high-level tech talent and tech startup leaders in communities of color in Philadelphia.



Building a Diverse Supply Chain

Since 2011, Comcast NBCUniversal has spent over \$25 billion with diverse Tier 1 and Tier 2 businesses owned by women, people of color, veterans, individuals with disabilities, and members of the LGBTQ community members.

In that time, we’ve quadrupled our annual spending with diverse Tier I suppliers (vendors). We’ve also increased our spending with Tier II suppliers (subcontractors) by 221% since launching our Tier II program in 2012. We’re proud to work with more than 3,000 diverse suppliers.



Comcast RISE: Helping BIPOC-Owned Businesses Impacted By Covid

The COVID-19 pandemic decimated many minority-owned businesses. The National Bureau of Economic Research reported that just between February and April 2020, the number of active Black-owned businesses declined by 41%, Latinx-owned businesses declined by 32%, and Asian-owned businesses dropped by 25%, versus just 21% for the general population.

We recently announced Comcast RISE, a multi-year initiative to help thousands of small businesses impacted by COVID-19. Beginning in November 2020, all Black, Indigenous, and People of Color (BIPOC) business owners will be eligible to apply for Comcast RISE.

Through this initiative, we will give meaningful support to the small businesses that are shaping our communities, including:

- Advertising and marketing consultations
- Production of a 30-second TV commercial
- A 90-day TV advertising campaign
- Computer equipment and Internet, voice, and cybersecurity services for 12 months
- Monetary Grants

For more information:

- [Comcast's 2020 Values Report](#)
- [Comcast Values: Diversity, Equity & Inclusion](#)
- [Comcast CEO Brian Roberts' open letter announcing our new \\$100 million commitment to fight inequality and injustice](#)





What are Lift Zones?

In September of 2020, Comcast announced a multiyear program to launch more than 1,000 WiFi-connected “Lift Zones” in community centers nationwide for anyone to use, including students, adults, seniors, and veterans. We have since accelerated that commitment to establish 1000+ Lift Zones by the end of this year.



The COVID-19 crisis has put many low-income students at risk of being left behind and has accelerated the need for comprehensive digital equity and Internet adoption programs to support them. Lift Zones are designed to help those students who, for a variety of reasons, are unable to participate in distance learning at home.



This initiative will provide free hotspot connectivity, and also access to hundreds of hours of educational and digital skills content to help families and site coordinators navigate online learning. Lift Zones complement Comcast’s Internet Essentials program, which, since 2011, has helped connect more than 10 million low-income people to the Internet at home. A Lift Zone is a facility primarily designed to help provide low-income students with a safe, clean space to participate in distance learning during the day or to do homework before or after school. However, adults, seniors, and veterans can also use the site for remote work, to look for or apply for a job, or learn digital skills. Hundreds of Lift Zones are already up and running across the country in cities like Baltimore, Chicago, Philadelphia, Denver, Oakland, and the Twin Cities.

To find a Lift Zone near you, please visit:

<https://internetessentials.com/learningsearchpage>

internet»
essentials
FROM COMCAST

COMCAST

Richmond, Chesterfield, Charles City County & Caroline County

BUNDLED PACKAGES^{1,2}

QUAD PLAY PACKAGES

QUAD PLAY PACKAGE PRICING BELOW IS ADDITIONAL TO TRIPLE PLAY PACKAGE PRICING

with Xfinity Home Security add ²⁶	\$30.00
with Xfinity Home Security Plus add ²⁷	\$40.00

TRIPLE PLAY PACKAGES⁴²

Standard+ More

Includes Limited Basic, Expanded Basic and HD programming for primary outlet, 20 Hour DVR Service, Performance Pro Internet and Unlimited Voice	\$130.99
SurePrice³⁷	\$124.99
- with Gigabit Pro Internet upgrade add ³⁸	\$235.00
- with Xfinity Mobile save	\$-10.00
- with DVR Service upgrade add	\$10.00
- with Premium DVR Service upgrade add	\$20.00
- with Blast! Internet upgrade add	\$20.00
- with Extreme Pro Internet upgrade add	\$25.00
- with Gigabit Internet upgrade add	\$30.00

Select+ More

Includes Limited Basic, Expanded Basic, Digital Preferred Tier and HD programming for primary outlet, DVR Service, Extreme Pro Internet and Unlimited Voice	\$159.99
SurePrice³⁷	\$134.99
- with Gigabit Pro Internet upgrade add ³⁸	\$235.00
- with Xfinity Mobile save	\$-10.00
- with Premium DVR Service upgrade add	\$10.00
- with Gigabit Internet upgrade add	\$30.00

Signature+ More

Includes Limited Basic, Expanded Basic, Digital Preferred Tier, Epix, and HD programming for primary outlet, Premium DVR Service, Gigabit Internet, Unlimited Voice and Netflix Standard HD Plan	\$189.99
SurePrice³⁷	\$164.99
- with Gigabit Pro Internet upgrade add ³⁸	\$235.00
- with Xfinity Mobile save	\$-10.00
- with Netflix Premium UHD Plan upgrade add	\$4.00

Super+ More

Includes Limited Basic, Expanded Basic, Digital Preferred Tier, Epix, HBO Max, Showtime, TMC, More Sports & Entertainment Package and HD programming for primary outlet, Premium DVR Service, Gigabit Internet, Unlimited Voice and Netflix Standard HD Plan	\$199.99
SurePrice³⁷	\$184.99
- with Gigabit Pro Internet upgrade add ³⁸	\$235.00
- with Xfinity Mobile save	\$-10.00
- with Netflix Premium UHD Plan upgrade add	\$4.00

DOUBLE PLAY PACKAGES³⁶

Choice Double Play³⁹

Includes Choice Limited TV and Performance Internet	\$89.99
- with DVR Service upgrade add	\$10.00
- with Premium DVR Service upgrade add	\$20.00
- with Performance Pro Internet upgrade add	\$15.00
- with Blast! Internet upgrade add	\$20.00
- with Extreme Pro Internet upgrade add	\$25.00
- with Gigabit Internet upgrade add	\$30.00
- with Gigabit Pro Internet upgrade add ³⁸	\$235.00

Standard+

Includes Limited Basic, Expanded Basic and HD programming for primary outlet, 20 Hour DVR Service, and Performance Pro Internet	\$110.99
- with DVR Service upgrade add	\$10.00
- with Premium DVR Service upgrade add	\$20.00
- with Blast! Internet upgrade add	\$20.00
- with Extreme Pro Internet upgrade add	\$25.00
- with Gigabit Internet upgrade add	\$30.00
- with Gigabit Pro Internet upgrade add ³⁸	\$235.00

Select+

Includes Limited Basic, Expanded Basic, Digital Preferred Tier and HD programming for primary outlet, 20 Hour DVR Service, and Blast! Internet	\$139.99
- with DVR Service upgrade add	\$10.00
- with Premium DVR Service upgrade add	\$20.00
- with Extreme Pro Internet upgrade add	\$25.00
- with Gigabit Internet upgrade add	\$30.00
- with Gigabit Pro Internet upgrade add ³⁸	\$235.00

Signature+

Includes Limited Basic, Expanded Basic, Digital Preferred Tier, Epix, and HD programming for primary outlet, DVR Service, Extreme Pro Internet, and Netflix Standard HD Plan	\$169.99
- with Premium DVR Service upgrade add	\$10.00
- with Netflix Premium UHD Plan upgrade add	\$4.00
- with Gigabit Internet upgrade add	\$30.00
- with Gigabit Pro Internet upgrade add ³⁸	\$235.00

Super+

Includes Limited Basic, Expanded Basic, Digital Preferred Tier, Epix, HBO Max, Showtime, TMC and HD programming for primary outlet, DVR Service, Extreme Pro Internet, and Netflix Standard HD Plan	\$189.99
- with Premium DVR Service upgrade add	\$10.00
- with Netflix Premium UHD Plan upgrade add	\$4.00
- with Gigabit Internet upgrade add	\$30.00
- with Gigabit Pro Internet upgrade add ³⁸	\$235.00

XFINITY TV¹

BASIC SERVICES

Limited Basic⁷	\$22.95
Broadcast TV Fee²⁰	\$17.10
Expanded Basic⁹ Includes Kids & Family, Entertainment and Sports & News	\$44.32

XFINITY TV SERVICES

Choice Limited TV³³ Includes Limited Basic, Streampix, 10 hours DVR Service and HD programming	\$30.00
Choice TV³⁴ Includes Limited Basic, Streampix, 20 hours DVR Service, HD programming and Broadcast TV Fee	\$30.00
- with TV Box	\$37.50

Genre Packs²⁴ Choose up to 2

Kids & Family Includes kid and family-friendly channels including Disney Channel, Nickelodeon and Universal Kids	\$10.00
Entertainment Includes entertainment channels including A&E, AMC, Bravo, Food Network, FX, TNT and VH1	\$15.00
Sports & News Includes sports and news channels including CNBC, CNN, ESPN, Golf, MSNBC and NBC Sports	\$30.00
Extra Includes Limited Basic, Expanded Basic, access to Pay-Per-View and On Demand programming and Music Choice	\$67.27
Digital Preferred Tier¹² Includes over 65 channels including CBS College Sports, Destination America, Disney XD and Science Channel	\$17.95

Digital Preferred Tier plus One Premium Includes Digital Preferred Tier and choice of Showtime, Cinemax, or The Movie Channel	\$29.95
Digital Preferred Tier with HBO Max Includes Digital Preferred Tier and HBO Max	\$32.94
Digital Premier Tier Includes Digital Preferred Tier, HBO Max, Showtime, Epix, Hitz and The Movie Channel	\$64.95
More Sports & Entertainment Package¹² Includes over 15 channels including NFL Red Zone, ESPNNews and TCM	\$9.95
Deportes⁹ Includes over 6 deportes channels including ESPN Deportes, FOX Deportes and NBC Universo	\$5.00
Xfinity TV Latino⁹ Includes over 50 channels of Spanish language programming	\$17.95
With Choice Double Play or Standard, Select, Signature, Super Double or Triple Play Packages	\$10.00
HBO Max⁹	\$14.99
HBO⁹	\$15.00
Showtime⁹	\$12.00
Starz⁹	\$8.99
Cinemax⁹	\$12.00
The Movie Channel⁹	\$12.00
Epix²³	\$5.99
Playboy⁹	\$15.00
HD Technology Fee⁸	\$9.95
DVR Service³²	\$10.00
Premium DVR Service⁴⁰	\$20.00
Service to Additional TV¹¹	\$7.50
with DVR Service	\$17.50
with CableCARD or compatible customer owned device ²⁵	\$0.00
Service to Additional TV with TV Adapter¹⁰	\$7.50

INTERNATIONAL SELECTIONS²⁹

ART: Arabic	\$9.99
TV Globo: Brazilian	\$19.99
Brazilian 2 Pack Includes TV Globo and SporTV	\$24.99
Brazilian 4 Pack Includes TV Globo, SporTV, Band Internacional and Record TV	\$34.99
Mandarin 2 Pack Includes Phoenix Info News and Phoenix North America	\$6.99
Mandarin 4 Pack Includes CTI Zhong Tian, CCTV4, Phoenix Info News and Phoenix North America	\$19.99
Filipino 2 Pack Includes GMA Pinoy w/ GMA Video On Demand and GMA Life	\$14.99
Filipino 3 Pack Includes GMA Pinoy w/ GMA Video On Demand, GMA Life and TFC	\$22.99
TV5MONDE: French With Cinema On Demand	\$9.99
DW Deutsche +: German	\$9.99
Antenna: Greek	\$14.99
The Israeli Network	\$19.99
Rai Italia: Italian	\$9.99
Italian 2 Pack Includes Rai Italia and Mediaset	\$14.99
TV JAPAN	\$24.99
SIC: Portuguese	\$9.99
Portuguese 2 Pack Includes RTPi and SIC	\$14.99
Impact TV: Russian Add-on With any International package	\$6.99
Russian 2 Pack Includes Channel One Russia and NTV America	\$14.99
Russian 4 Pack Includes Channel One Russia, RTN, TV1000 Russian Kino and NTV America	\$26.99
Russian 5 Pack Includes Channel One Russia, RTVi, NTV America, RTR-Planeta and Rossiya 24	\$26.99
Russian 8 Pack includes Channel One Russia, RTN, RTVi, TV1000 Russian Kino, NTV America, RTR-Planeta, Rossiya 24 and CTC	\$34.99
Willow: Cricket Add-on With any International package	\$6.99
Willow: Cricket	\$14.99
Zee TV: Hindi	\$14.99
SET: Hindi	\$14.99
Hindi 2 Pack Includes Zee TV and SET	\$24.99

Hindi Pack Includes Zee TV, SET, TV Asia and NDTV 24x7	\$29.99
Hindi Plus Pack Includes Zee TV, SET, TV Asia, NDTV 24x7, Eros Now and Willow	\$39.99
SBTN: Vietnamese	\$14.99
TVB Jade: Cantonese	\$10.99
Record TV: Brazilian	\$14.99
ABP News: Hindi	\$7.99
TFC: Filipino	\$11.99

PAY-PER-VIEW AND ON DEMAND SUBSCRIPTION SERVICES

Eros Now On Demand³¹	\$12.99
Eros Now On Demand³¹ w/a South Asian international selection	\$9.99
here! TV On Demand³¹	\$7.99
Filipino On Demand³¹	\$7.99
Filipino On Demand³¹ w/a Filipino international selection	\$5.99
The Jewish Channel On Demand³¹	\$6.99
Kidstream On Demand³¹	\$4.99
History Vault On Demand³¹	\$4.99
Gaiam TV Fit & Yoga On Demand³¹	\$7.99
Grokker Yoga Fitness On Demand³¹	\$6.99
UP Faith and Family On Demand³¹	\$5.99
Lifetime Movie Club On Demand³¹	\$3.99
Anime Network On Demand³¹	\$6.99
Stingray Karaoke On Demand³¹	\$6.99
DOGTV On Demand³¹	\$4.99
Gaia On Demand³¹	\$11.99
AMC + On Demand³¹	\$6.99
Stingray Classica On Demand³¹	\$6.99
TumbleBooksTV On Demand³¹	\$4.99
FitFusion On Demand³¹	\$6.99
CuriosityStream On Demand³¹	\$2.99
PlayKids On Demand²²	\$6.99
MagellanTV History On Demand²²	\$5.99
Disney Story Central On Demand³¹	\$4.99
Acorn TV On Demand³¹	\$5.99
Daily Burn On Demand²²	\$14.99
Xive TV On Demand²²	\$4.99
Quark On Demand²²	\$4.99
Stephens Drum Shed On Demand²²	\$4.99
Pro Guitar Lessons On Demand²²	\$4.99
Touchfit TV On Demand²²	\$4.99
Lion Mountain TV On Demand²²	\$3.99
Craftsy On Demand³¹	\$7.99
WE tv + On Demand³¹	\$5.99
The Great Courses Signature On Demand²²	\$7.99
DJAZZ On Demand²²	\$6.99
Pantaya On Demand³¹	\$5.99
Outside TV Features On Demand²²	\$4.99
The Reading Corner On Demand²²	\$3.99
Hopster On Demand²²	\$6.99
Ride TV On Demand²²	\$4.99
Brown Sugar On Demand²²	\$3.99
Echoboom Sports On Demand²²	\$5.99
Stingray Qello On Demand²²	\$7.99
GOLFPASS On Demand²²	\$4.99
Hallmark Movies Now On Demand²²	\$5.99
Dove Channel On Demand²²	\$4.99

Kocowa On Demand ²²	\$6.99
WHAM On Demand ²²	\$2.99
Gravitas Movies On Demand ²²	\$4.99
MHz Choice On Demand ²²	\$7.99
Hi-YAH! On Demand ²²	\$2.99
True Royalty On Demand ²²	\$5.99
Real Vision On Demand ²²	\$14.99
Docurama On Demand ²²	\$4.99
Con TV On Demand ²²	\$4.99
Walter Presents On Demand ²²	\$6.99
Dekkoo On Demand ²²	\$9.99
ZooMoo On Demand ²²	\$2.99
Miniteve On Demand ²²	\$1.99
WildBrain On Demand ²²	\$5.99
Cinemoi On Demand ²²	\$2.99
Fox Nation On Demand ³¹	\$5.99
Wanderlust On Demand ²²	\$9.99
Music Choice Karaoke On Demand ²²	\$6.99
Music Choice Relax On Demand ²²	\$5.99
Curious World On Demand ²²	\$3.99
kweliTV On Demand ²²	\$5.99
Marquee TV On Demand ²²	\$8.99
Passionflix On Demand ²²	\$5.99
Conspiracy TV On Demand ²²	\$4.99
FlixFling On Demand ²²	\$7.99
A&E Crime Central On Demand ²²	\$4.99
CultFlix On Demand ²²	\$4.99
CineFest On Demand ²²	\$4.99
PREMO On Demand ²²	\$5.99
MyOutdoorTV On Demand ²²	\$9.99
Hitz ^{28,31}	\$12.00
Streampix ^{18,31}	\$4.99
Pay-Per-View and On Demand Movies and Events ^{3,31} (per title or event)	Prices Vary
Revry On Demand ²²	\$6.99
Too Much for TV On Demand ³¹	\$14.99
Vivid On Demand Subscription ^{13,31}	\$19.99
Hustler On Demand Subscription ^{13,31}	\$19.99
TEN On Demand Subscription ^{13,31}	\$19.99
Urban Fantasy On Demand ^{13,31}	\$19.99
Falcon On Demand ^{13,31}	\$19.99
Homegrown Amateur On Demand ^{13,31}	\$19.99
Evil Angel On Demand ^{13,31}	\$19.99
Mature Lust On Demand ^{13,31}	\$19.99
Penthouse On Demand ^{13,31}	\$19.99
Girlfriends Films On Demand ^{13,31}	\$19.99
Wicked On Demand ^{13,31}	\$19.99
XTSY On Demand ^{13,31}	\$19.99
Arouse On Demand ^{13,31}	\$19.99

SPORTS PACKAGES³⁰

MLB Extra Innings	Call 1-800-XFINITY for pricing
NHL Center Ice	Call 1-800-XFINITY for pricing
NBA League Pass	Call 1-800-XFINITY for pricing

XFINITY TV EQUIPMENT

TV Box Limited Basic	\$7.10
TV Box	\$7.10
Remote	\$0.40

HD TV Box Limited Basic	\$7.10
TV Adapter (Limited Basic — Primary TV)	\$0.00
TV Adapter (Limited Basic — 1st and 2nd Additional TVs)	\$0.00
TV Adapter (Limited Basic — 3rd Additional TV)	\$0.50
CableCARD (first card in device)	\$0.00

INSTALLATION

(PER OCCURRENCE UNLESS NOTED)

	Initial Installation of Service	After Initial Installation of Service
Professional Installation ^{16,17}	\$100.00	N/A
Self Installation Plus ⁴¹	\$39.99	N/A
In-Home Service Visit ³⁵	N/A	\$70.00
Hourly Service Charge ¹⁶ (Custom Installation)	\$50.00	\$50.00
Xfinity Internet Gigabit Pro Professional Installation (per occurrence)		\$500.00
Wireless Networking On-Site Professional Set-Up (Separate trip, per occurrence)		\$99.95
Wireless Networking On-Site Professional Set-Up (each additional device over 4 devices per occurrence)		\$29.95

REACTIVATION

(NO IN-HOME VISIT REQUIRED—PER OCCURRENCE UNLESS NOTED)

Reactivation - TV	\$6.00
Reactivation - Internet	\$6.00
Reactivation - Voice	\$6.00

MISCELLANEOUS (PER OCCURRENCE UNLESS NOTED)

Customer-Owned Video Equipment Credit See www.xfinity.com/equipmentpolicy for additional information	\$7.50
Regional Sports Fee ²¹ (per month)	\$4.15
Field Collection Charge Visit to customer's residence required to collect past due balance or unreturned equipment	\$30.00
Late Fee	5%
Agent Assisted Payment For payment made by phone with a Customer Care Representative	\$5.99
Unreturned or Damaged Equipment Fees ⁴ (per piece)	Replacement Cost
Getting Started Kit Shipping and Handling (Standard Shipping)	\$15.00
Getting Started Kit Shipping and Handling (Priority Shipping)	\$29.95

XFINITY VOICE^{1,5}

Xfinity Voice—Unlimited With TV and Internet Service	\$44.95
	\$39.95
Xfinity Voice—Local with More With TV or Internet Service	\$34.95
	\$24.95

XFINITY INTERNET^{1,6}

	Xfinity Internet Service Only	with Xfinity TV or Voice Service ¹⁹
Performance Starter	\$54.95	\$49.95
Performance	\$80.95	\$64.95
Performance Pro	\$95.95	\$79.95
Blast!	\$100.95	\$84.95
Extreme Pro ¹⁴	\$105.95	\$89.95
Gigabit ¹⁴	\$110.95	\$94.95
Gigabit Pro ^{14,15}	\$299.95	\$299.95
Modem Rental		\$14.00
Wireless Adapter (each, one-time charge)		\$30.00

Gigabit Pro Activation Fee (per occurrence)	\$500.00
Unreturned or Damaged Equipment Fees⁴ (per piece, per occurrence)	Replacement Cost

- 1 Certain services available separately or as a part of other levels of service. Xfinity services are subject to Comcast's standard terms and conditions of service. Unless otherwise specified, prices shown are the monthly charge for the corresponding service, equipment or package. Prices shown do not include applicable taxes, franchise fees, FCC fees, Regulatory Cost Recovery, Public Access fees, other state or local fees or other applicable charges (e.g., per-call toll or international charges). Prices, services and features are subject to change. If you are an Xfinity TV customer and you own a compatible TV Box or CableCARD device, please call 1-800-XFINITY for pricing information or visit www.xfinity.com/equipmentpolicy. © 2021 Comcast. All rights reserved.
- 2 Requires a compatible modem and TV Box with remote, CableCARD or compatible customer owned device.
- 3 Price of Pay-Per-View and On Demand Movie or Event is displayed prior to the completion of the Pay-Per-View or On Demand ordering process.
- 4 Contact 1-800-XFINITY for questions regarding equipment replacement charges.
- 5 Requires a compatible modem. Unlimited Local and Long Distance package pricing applies only to direct dialed calls from home to locations included in the plan. Plans do not include other international calls. For more information regarding Xfinity Voice pricing go to <https://www.xfinity.com/Corporate/About/PhoneTermsOfService/ComcastDigitalVoice/cdvresidential>.
- 6 A compatible modem is required. For more information regarding Xfinity Internet go to <http://www.xfinity.com/internet-service.html>.
- 7 Requires TV Box, TV Adapter, CableCARD or compatible customer owned device.
- 8 Not available to customers with Limited Basic only. Must subscribe to HD Technology Fee to receive HD programming.
- 9 Requires Limited Basic, TV Box, CableCARD or compatible customer owned device.
- 10 Includes TV Adapter and remote. Digital service tier on additional TV corresponds to digital service tier on primary outlet. Does not include access to On Demand content, premium channels or channel numbers above 1000 unless otherwise noted on the channel lineup. Not available to customers with Limited Basic only.
- 11 Includes TV Box. Digital service tier on additional TV corresponds to digital service tier on primary outlet. HD programming requires HD Technology Fee. Not available to Limited Basic only customers
- 12 Requires Extra.
- 13 One month minimum purchase required. Not available in all areas.
- 14 Not available in all areas. May require installation and non-refundable installation charge.
- 15 Requires 2 year contract. Monthly rental of Gigabit Pro cable modem/router additional. Activation and professional installation fees additional. Gigabit Pro does not qualify for Comcast 30-day money back guarantee.
- 16 Standard installation includes installation of service line up to 125 feet from existing Comcast plant for the primary outlet only, except as otherwise required under local franchise agreement. Comcast does not perform custom installations, including installations which require in-wall wiring, wiring in extensive drop ceilings, basements, or crawl spaces.
- 17 Includes standard installation of Xfinity TV, Xfinity Internet and/or Xfinity Voice and installation of additional outlets and wireless networking set-up if requested at time order is placed. Does not include installations of Xfinity TV only, Xfinity Home Security or Xfinity Gigabit Pro Internet.
- 18 Requires Limited Basic and TV Box and remote or compatible customer owned device. Requires HD Technology Fee to receive HD programming.
- 19 Xfinity Internet discount does not apply to Xfinity Instant TV.
- 20 Applies to Limited Basic and Xfinity Instant TV.
- 21 Applies to Extra and above, and Sports & News.
- 22 Requires Limited Basic with X1 TV Box and Xfinity Internet service.
- 23 Requires Limited Basic, HD Technology Fee and TV Box, CableCARD or compatible customer owned device.
- 24 Requires Choice Double Play, Choice Limited TV or Choice TV. Cannot be combined with Limited Basic only.
- 25 Not available to customers with Limited Basic only. Includes a customer-owned video equipment credit. An additional charge will apply for additional CableCARDs in the same device.
- 26 Equipment required at an additional cost. For additional information go to <http://www.xfinity.com/homesecurity>.
- 27 Includes Xfinity Home Security and 24/7 Video Recording for up to 4 cameras. Equipment required at an additional cost. For more information on 24/7 Video Recording go to <http://www.xfinity.com/videorecording>.
- 28 Requires Limited Basic TV service and a compatible Xfinity TV Box or customer owned device.
- 29 Requires Limited Basic with X1 TV Box or compatible customer owned device and Xfinity Internet service.
- 30 Requires Limited Basic, HD Technology Fee, X1 TV Box with remote or compatible customer owned device. Sports Package subscriptions can be billed at once or in 4 total payments. Call 1-800-XFINITY to cancel subscription within 30 days of first charge to bill. Charges are non-refundable after 30 days of first charge to bill. Restrictions may apply.
- 31 Requires Limited Basic, TV Box or compatible customer owned device with Xfinity Internet.
- 32 Requires HD Technology Fee and TV Box or compatible customer owned device. DVR Service with compatible customer owned device limited to 60 hours DVR Service.
- 33 Requires TV Box, CableCARD or compatible customer owned device. 10 Hours DVR Service available with X1 TV Box (X1 TV Box requires subscription to one Genre Pack) or compatible customer owned device. Cannot be combined with Xfinity Voice or Xfinity Home Security.
- 34 Requires minimum of Xfinity Performance Internet service and an Xfinity Flex Streaming device. Choice TV available for ordering through the Flex box only. 20 hours DVR Service available with X1 TV Box or compatible customer owned device. Not eligible for multiproduct pricing on Xfinity Internet, Xfinity Voice or Xfinity Home Security.
- 35 Applies to installation, relocation and activation of additional outlets as well as upgrade downgrades of service after initial installation of service and in-home visits. Does not cover installation or in-home visits for Xfinity Home Security.
- 36 20 Hour DVR Service requires Xfinity Internet Service and either an X1 TV Box or compatible customer owned device.
- 37 SurePrice only available for 12 months to customers with Standard+ More, Select+ More, Signature+ More and Super+ More packages after qualifying 12 month promotional pricing.
- 38 Requires 2-year contract. Monthly rental of Gigabit Pro compatible modem/router additional. Activation and professional installation fees additional. Gigabit Pro does not qualify for Comcast 30-day money back guarantee.
- 39 Cannot be combined with Sports & News genre pack.

40 Requires Xfinity TV Latino, More Sports & Entertainment Package, Choice TV Double Play with one Genre Pack, Choice TV, or Extra or higher, Xfinity Internet, TV Box or compatible customer owned equipment.

41 Includes delivery of up to a total of three Get Started Kits for Xfinity TV, Xfinity Internet, or Xfinity Voice and a network signal test. Requires service address activation for Xfinity services within in the last 2 years. Does not include installation or relocation of outlets, equipment installation, setup or troubleshooting, or installation of Xfinity Home or Xfinity Gigabit Pro Internet.

42 20 Hour DVR Service requires Xfinity Internet Service and either an X1 TV Box or compatible customer owned device.

Xfinity Home Security License Numbers:

AL: 001484, 001504; **AR:** 12-030; **AZ:** ROC 280515, BTR 18287-0; **CA:** CSLB 974291, ACO 7118; **CT:** ELC 0189754-C5; **DE:** FAL-0299, FAC-0293, SSPS 11-123; **FL:** EF0000921, EF20001002, EF0001095; **GA:** LVU406303, LVU406264, LVU406190, LVU406354; **IL:** PACA 127-001503; **LA:** F1691; **MA:** SS-001968; **MD:** 107-1776; **ME:** LM50017039; **MI:** 3601206217; **MN:** TS674412; **NC:** 2335-CSA, 29443-SP-FA/LV; **NJ:** Burglar and Fire Alarm Business Lic. # 34BF00047700; **NM:** 373379; **NY:** licensed by the N.Y.S. Department of State 12000305421; **OH:** LIC# 53-89-1732; **OR:** CCB 192945; **SC:** BAC-13497, FAC-13440; **TN:** ACL 1597, ACL 1604; **TX:** ACR-1672104,-1818, B16922, B02571; **UT:** 8226921-6501; **VA:** 2705145289, DCJS 11-7361; **VT:** ES-02366; **WA:** COMCABS892DS; **WASHINGTON, DC:** ECS 902687, BBL 602512000005; **WV:** WV049211.

MS: 150180

Valid 1/1/21. See www.xfinity.com/home-security for current list.

82996000: 0050;0060;0070;0080;0090;0100;0110;0130;0140;1070;1100;1110;1120

Condrey, Barry

From: Anderson, Louise T <louise.anderson@verizon.com>
Sent: Thursday, July 8, 2021 11:12 AM
To: Condrey, Barry
Subject: Re: [E] Chesterfield County Broadband

CAUTION: External Email

Mr. Condrey --Verizon has met its build obligations in Chesterfield and will meet any obligations to provide service to new developments per the terms of the Franchise Agreement.

Kind regards,

Louise

verizon
Louise Anderson

Fios Franchise Service Manager
Legal Department
Verizon Consumer Group

O 202 920 5305
M 571 882 0605
1300 I Street, N.W. , Suite 500 East
Washington, D.C. 20005



On Wed, Jul 7, 2021 at 12:00 PM Condrey, Barry <CondreyBa@chesterfield.gov> wrote:

Ms. Anderson,

I meet with the chairman of our board of supervisors tomorrow, and I would like to represent the Verizon position on this accurately.

The two areas they will be interested in are:

1. New Residential Developments – Will Verizon continue to deploy Fios in these planned communities?
2. Broadband Projects – I believe your position is that Verizon is not interested in partnerships for smaller projects. Street by street, house by house.

Can you please confirm / comment on this for me?

Thanks

Barry Condrey, CGCIO
CIO - Chesterfield County, VA
Phone: (804) 748-1590

We believe innovative services, reliably delivered,

empower the county to improve the lives of our residents.

From: Condrey, Barry
Sent: Monday, June 28, 2021 5:23 PM
To: Anderson, Louise T <louise.anderson@verizon.com>
Subject: RE: [E] Chesterfield County Broadband

Ms. Anderson,

Thank you for your response. I am sure that Verizon will be wiring new subdivision developments in Chesterfield for Fios. I live in such a development and had Fios as a choice. We have much residential development underway in the county.

Beyond that, based on your response, am I to assume Verizon has no interest in other broadband opportunities in Chesterfield? We have 12,000+ unserved customers and we are anxious to build partnerships to address that.

Thanks

Barry Condrey, CGCIO
CIO - Chesterfield County, VA
Phone: (804) 748-1590

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empower the county to improve the lives of our residents.

From: Anderson, Louise T <louise.anderson@verizon.com>
Sent: Monday, June 28, 2021 1:40 PM
To: Condrey, Barry <CondreyBa@chesterfield.gov>
Subject: Re: [E] Chesterfield County Broadband

CAUTION: External Email

Mr. Condrey - Since Verizon has met its obligations to provide Fios TV under the current Fios TV franchise agreement, I checked with engineering, which reports that they have no plans to expand Fios in Chesterfield County.

Kind regards,

Louise



Louise Anderson

Fios Franchise Service Manager
Legal Department
Verizon Consumer Group

O 202 920 5305
M 571 882 0605
1300 I Street, N.W. , Suite 500 East
Washington, D.C. 20005



On Thu, Jun 24, 2021 at 2:59 PM Condrey, Barry <CondreyBa@chesterfield.gov> wrote:

Ms. Anderson,

Hello, I am the CIO for Chesterfield and one of my responsibilities is broadband in our county.

Could you perhaps point me in the right direction within Verizon? I have a list of 12,000 addresses in the county that are not served by any broadband provider and I am working on strategies to get them covered. I

am also working on a presentation to the board of supervisors, and would like to include information from Verizon regarding your position on the broadband buildout in our county.

Who would be the right person to talk to about this?

Thanks

Barry Condrey, CGCIO
CIO - Chesterfield County, VA
Phone: (804) 748-1590 / [Dept Info](#)

What3Words Street Address: [Disposal.Streams.Gurgling](#)
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empower the county to improve the lives of our residents.