

Application to DHCD Submitted through CAMS

City of Chesapeake

Chesapeake VATI 2021

Application ID: 75706172020105948
Application Status: In Progress - DHCD
Program Name: Virginia Telecommunications Initiative 2021
Organization Name: City of Chesapeake
Organization Address: 301 Albemarle Drive
Chesapeake, VA 23322
Profile Manager Name: Mary Riley
Profile Manager Phone: (757) 382-2321
Profile Manager Email: mriley@cityofchesapeake.net

Project Name: Chesapeake VATI 2021
Project Contact Name: Chuck Williams
Project Contact Phone: (757) 382-8796
Project Contact Email: cmwilliams@cityofchesapeake.net
Project Location: 300 Shea Dr
Chesapeake, VA 23322-5565
Project Service Area: Chesapeake City

Total Requested Amount: \$90,177.00
Required Annual Audit Status: Accepted

Application to DHCD Submitted through CAMS

City of Chesapeake

Chesapeake VATI 2021

Budget Information:

Cost/Activity Category	DHCD Request	Other Funding	Total
Telecommunications	\$90,177.00	\$96,244.00	\$186,421.00
Construction	\$90,177.00	\$95,844.00	\$186,021.00
Other: Estimated Right of Way Costs	\$0.00	\$400.00	\$400.00
Total:	\$90,177.00	\$96,244.00	\$186,421.00

Budget Narrative:

Chesapeake and Cox are asking for \$90,177 to fund three projects in unserved areas of Chesapeake that have had numerous citizen complaints related to connectivity. Chesapeake and Cox are putting \$96,244 in funds to support the overall construction and permitting of these three projects.

Questions and Responses:

1. Project Description and Need

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

Answer:

The southeast quadrant of the City of Chesapeake has been an area of opportunity for several years. Requests from citizens over the years have brought much attention to this area of the City which includes Land of Promise Road, John Etheridge Road and Cedarville Road. In this area, there are fifty-three (53) homes and sixteen (16) businesses without access to broadband internet speeds. Over the past 10 years, Cox has invested over \$2 billion in its network which has helped to build out areas of Chesapeake to the point that with the extension of service to these project areas, Chesapeake will be one project area away from universal coverage.

This area has traditionally been farmland and within the last several years has been converting over to small subdivisions of a few clustered homes or smaller farms of a few acres. This area also borders the Naval Auxiliary Landing Field Fentress where crash zone density restrictions are in place which limits the population. The flight paths also limit tower sites in the area which limits wireless coverage opportunities.

The attached maps give the geographic area and coverage of the sections of John Etheridge, Cedarville, Silvertown, and Land of Promise. We incorporated markings indicating home-based business, commercial, and the parcels outlined with residents.

Application to DHCD Submitted through CAMS

City of Chesapeake

Chesapeake VATI 2021

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:

Cox and Verizon are the two providers within the City of Chesapeake. There are no providers currently providing Internet services in the proposed areas outside of satellite. These areas only have spotty cell service due to the lack of hard-wired telecommunications and lack of cell towers due to two military installations in this rural area within Chesapeake. We have franchise agreements with all providers within the City that utilize our rights-of-way and are aware of their current coverage areas throughout the City. Due to the low levels of density within the projects proposed areas, providers have not traditionally extended services into the areas.

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

Answer:

The area covered by these proposed projects has not received any federal funding related to broadband.

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

Answer:

The proposed project areas are green field when it comes to broadband. These areas have not had service from any provider in the past outside of satellite or spotty cell enabled bandwidth.

During our research we found discrepancies with the <https://broadband.cgit.vt.edu/IntegratedToolbox/maps>. On one of the listed projects, Silvertown and Land of Promise, the map erroneously shows fiber coverage in an area of the City that does not have coverage. We are unaware of any fiber service in the depicted area and additional supporting evidence is the map itself shows a non-contiguous island of supposed fiber optic coverage. For fiber to work you need a contiguous physical connection. Since Cox is asking for assistance to install coverage and Verizon had halted any new fiber installs about a decade ago in our city, it is hard to understand where this data is being derived.

5. Total Passings: Provide the number of total serviceable units in the project area. Applicants are encouraged to prioritize areas lacking 10 Megabits per second download and 1 Megabits per second upload speeds, as they will receive priority in application scoring. For projects with more than one service area, each service area must have

Application to DHCD Submitted through CAMS

City of Chesapeake

Chesapeake VATI 2021

delineated passing information. Label Attachment: Attachment 4 – Passings Form

a. Of the total number of passings, provide the number of residential, business, non-residential, and community anchors in the proposed project area. Describe the methodology used for these projections.

b. Provide the number of serviceable units in the project area that have 10/1 mbps or less. Describe the methodology used for these projections.

Answer:

a. There are a total of sixty-nine (69) passings consisting of fifty-three (53) residences, two (2) businesses (commercial), fourteen (14) home-based businesses.

The City took in consideration the Cox supplied maps and overlaid those maps onto our City GIS maps of the area. We then used the Residential and Commissioner of Revenue layers in City GIS to determine which types of passings were present. From that we derived the number of passings for the proposed areas.

b. This area has traditionally had no service outside DSL coverage and due to Verizon's notice to the City of no longer supporting copper lines in this region our own water treatment plants are on the plant's last pair of good copper lines for basic phone service. Therefore, none of the sixty-nine (69) passings have services as described above.

Based on the above maps we could mark which types of structures existed and if businesses were present. We noted the first attachment ProjectAreaMaps.PDF attachment to indicate (RB) Residential Businesses, (C) Commercial Businesses, and the property lines along with grey structures for Residences. We were then able to conduct a simple count of passings.

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

Answer:

This project does not have a wireless component.

7. Speeds: Describe the internet service offerings, including download and upload speeds, to be provided after completion of the proposed project. Detail whether that speed is based on dedicated or shared bandwidth, and detail the technology that will be used. This description can be illustrated by a map or schematic diagram, as appropriate. List the private co-applicant's tiered price structure for all speed offerings in the proposed project area, including the lowest tiered speed offering at or above 25/3 mbps.

Answer:

The proposed project and construction will be incorporated into the existing hybrid fiber-coax (HFC) network owned and operated by Cox Communications; it will be capable of providing residential and business customers

Application to DHCD Submitted through CAMS

City of Chesapeake

Chesapeake VATI 2021

with download speeds of up to 940 Mbps and upload speeds of up to 35 Mbps through the Docsis 3.1 platform. *See Supporting Materials Attachment Figure 1.*

Cox provides internet speeds ranging from 10Mbps/1Mbps to up to 940 Mbps/35Mbps. Cox continues to offer a 10Mbps/1Mbps service tier as a low-cost option, ideal for up to three devices and light web surfing, email, and social networking; this is an economical solution for customers who don't want to pay for higher speeds they don't need and won't use.

Prices include monthly charges and applicable discounts. Promotional pricing may differ depending on the customer's decision to bundle services and expiration of/changes to promotional pricing. One-time charges, activation fees and monthly equipment fees may apply. *See Supporting Materials Attachment Figures 2 and 3.*

Cox Business also offers customized enterprise internet solutions, dedicated fiber, HFC internet, and managed Wi-Fi solutions to meet individual needs of businesses. With symmetrical speeds of up to 10+ Gbps, there are solutions to support any size business.

In response to the increase of residents shifting to a work-from-home model, Cox Business launched an enterprise-grade work-at-home connectivity solution which would be available to residents benefiting from this last mile extension. This is a separate internet connection that would go directly to the employee's home and will have the capability to provide remote staff with company-provided services, including broadband, Wi-Fi, McAfee endpoint security and MalBlock to help ensure staff members have the same options for connectivity they would have if they were working in the office.

8. Network Design: Provide a description of the network system design used to deliver broadband service from the network's primary internet point(s) of presence to end users, including the network components that already exist and the ones that would be added by the proposed project. Provide a detailed explanation of how this information was determined with sources. If using a technology with shared bandwidth, describe how the equipment will handle capacity during peak intervals. For wireless projects, provide a propagation map for the proposed project area with a clearly defined legend for scale of map. Label Map: Attachment 5 – Propagation Map Wireless Project.

Answer:

Cox's highly redundant and resilient network is managed around the clock by a full staff of nationwide network professionals that can holistically monitor and manage the Cox network both physically from network operations centers and 100 percent virtually, if needed. Their forward-thinking network management and service assurance philosophy means they have software-enabled and virtualized significant portions of their network to proactively and reactively solve any temporary customer and network issues in a timely and efficient manner.

Cox operates a high-speed, national fiber optic backbone comprised of tens of thousands of fiber miles. The backbone is self-healing through strategic deployment of core infrastructure components. Multiple diverse connections help ensure backbone locations are not isolated in the event of an outage and that they maintain ample capacity to handle peak traffic periods. Their experience includes keeping customers online and connected during wildfires, mudslides, severe weather events and numerous other natural disasters.

Through the video franchise with the City of Chesapeake, Cox Communications has built and maintained a hybrid

Application to DHCD Submitted through CAMS

City of Chesapeake

Chesapeake VATI 2021

fiber-coax (HFC) network in the City for several decades for distribution of the company's services (voice, video, data, security, business services) to its subscribers. The technology connects our subscribers to one of the company's 21 critical facilities located in Virginia. These critical facilities contain the company's core network hardware and connections to the internet and public switched telephone network. All network hardware and network connections in our critical facilities have at least two layers of redundancy.

Hybrid fiber coaxial (HFC) networks send signals from the Cox's critical facilities to the communities we service through fiber optic cables. At the local community, a box called an optical node translates the signal from a light beam to radio frequency (RF) and sends it over coaxial cable lines for distribution to our residential and business subscribers. The fiberoptic backbone feeding the communities we service provide adequate bandwidth to allow for timely future expansion and new bandwidth-intensive services.

Cox trains and employs engineers and technicians to ensure we maintain a 99.999% network reliability. Again, the network and hubsite are monitored both locally and nationally 24 hours a day and 365 days a year.

The company constantly monitors its network and upgrades accordingly in order to meet subscriber demand. Typical surges in broadband traffic occur in the evenings, on weekends and on holidays. Considering the recent COVID crisis and the number of individuals working from home and students connecting virtually for their education, Cox implemented their processes for peak use to respond appropriately to meet the demand from this shift in usage. They've also successfully virtualized their network operations by executing long-term business continuity strategies, implementing new leading-edge collaboration and predictive analytic tools, providing full functionality mobile workstations and equipping their network operations teams with robust tools to work remotely.

9. 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 6 – Timeline/Project Management Plan; Attachment 7 – MOU/MOA between Applicant/Co-Applicant.

Answer:

The plan demonstrates a commitment to reach the 2021 completion date with a steady and phased-in process to include: creating project account, performing field survey for construction, completing Dominion Power pole application process, designing project, securing VDOT permits and private property easements, ordering project materials, setting power supply units, performing aerial and underground construction, activating the network, and releasing the addresses. Cox Communications personnel overseeing the planning and construction phases have thoroughly reviewed the project management plan and timeline to confirm that all resources are available to complete the project by the required time frame.

10. Matching funds: Complete the funding sources table indicating the cash match and in-kind resources from the applicant, co-applicant, and any other partners investing in the proposed project (VATI funding cannot exceed 80

Application to DHCD Submitted through CAMS

City of Chesapeake

Chesapeake VATI 2021

percent of total project cost). In-kind resources include, but are not limited to: grant management, acquisition of rights of way or easements, waiving permit fees, force account labor, etc. Please note the a minimum 20% match is required to be eligible for VATI, the private sector provider must provide 10% of the required match. If the private co-applicant's cash match is below 10% of total project cost, applicants must provide financial details demonstrating appropriate private investment. Label Attachments: Attachment 8 - Funding Sources Table; Attachment 9 – Documentation of Match Funding.

Answer:

We are asking for \$90,177 from DHCD in VATI funds. The City has estimated in-kind costs at \$9,760 to assist with project management and right-of-way fees. Cox matching funds of \$86,484 to cover implementation and materials costs associated with the project.

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

Answer:

The City will be leveraging the right-of-way fees structure and internal PM oversight in in-kind contributions. Cox will be utilizing their own professional services group to lower the implementation costs; current partnership with Dominion to bring down make-ready fees for poles use; and with their suppliers to negotiate using Cox's national pricing discounts for materials.

12. Marketing: Describe the broadband adoption plan.

a. Explain how you plan to promote customer take rate, including marketing activities, outreach plan, and other actions to reach the identified serviceable units within the project area. Provide the anticipated take rate and describe the basis for the estimate.

b. Describe any digital literacy efforts to ensure residents and businesses in the proposed project area sufficiently utilize broadband. Please list any partnering organizations for digital literacy, such as the local library or cooperative extension office.

Answer:

a. The residents of southern Chesapeake have been very vocal over the past several years regarding the need for reliable broadband connectivity. Cox actively promotes its products and services in Chesapeake through a multi-faceted marketing campaign that includes both direct and indirect sales, outdoor billboards, digital advertising and television commercials (<https://www.youtube.com/watch?v=v6dzz-17pK4>). This build will benefit from all national and local advertising investments by Cox Communications.

In addition to traditional marketing, Cox is also a strong supporter of local business and nonprofits through sponsorships at large venues and events that attract attendees from all across the region like the Virginia Beach Amphitheater, ODU Football, the Patriotic Festival and Something in the Water.

Cox's YouTube channel is full of commercials, PSAs, and videos highlighting products, services, and community support programs, too.

Cox and Chesapeake will also work together on a public relations plan to announce the award and the extension of services throughout the county to bring awareness including but not limited to a joint press release and media event

Application to DHCD Submitted through CAMS

City of Chesapeake

Chesapeake VATI 2021

(in-person or virtual based on current conditions).

Finally, Cox has been serving Chesapeake for more than 40 years with local employees servicing homes and businesses throughout the region. The Cox brand is well-recognized as a local technology leader and a company that is committed to the communities it serves. *See Supporting Materials Attachment Figure 4.*

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.

Cox has several resources for families and businesses in support of digital literacy and maximizing broadband capabilities. This summer, Cox announced a new digital learning platform available to Connect2Compete customers to keep kids engaged in academics while they're out of school. MyFuture is The Boys & Girls Clubs of America's digital platform that empowers children and teens to learn new skills, share accomplishments and earn recognition and rewards via gamification in a safe and fun online environment. This tool is accessible from Cox's Digital Academy, our online learning platform full of computer literacy tips, education videos, tutorials and interactive games. The Digital Academy is a collaboration between several partners, including the American Library Association, DigitalLearning.org, Common Sense media, and Connect Home.

Cox's YouTube channel (youtube.com/user/CoxCommTV) has a ton of resources available to customers including how to get the most out of their products and how to troubleshoot simple issues with technology like resetting a modem.

For business customers, CoxBlue.com has a ton of resources for small and medium sized businesses – everything from blog posts on small business trends to how to reopen your business after a shutdown. *See Supporting Materials Attachment Figure 5.*

13. Project Management: Identify key individuals who will be responsible for the management of the project and provide a brief description of their role and responsibilities for the project. Present this information in table format. Provide a brief description of the applicant and co-applicant's history and experience with managing grants and constructing broadband communication facilities. Please attach any letters of support from stakeholders. If applicant is not a locality(s) in which the project will occur, please provide a letter of support from that locality. Attachment 10 – Letters of Support.

Answer:

Cox Communications Project Manager: Anthony Crish, Planning & Construction Manager
Cox Communications Government/Chesapeake Liaison: Sarah Buck, Public Affairs Manager
City of Chesapeake Project Manager: Chuck Williams, Assistant Director of IT

The City of Chesapeake is working with Cox Communications, a nationally recognized provider of broadband, digital cable television and other telecommunications services. Cox Communications is the third largest telecommunications corporation in the United States, serving more than 6 million homes and businesses. Cox and Chesapeake entered into their first cable television franchise agreement several decades ago. Since that time the city and Cox have experienced a collaborative and mutually beneficial working relationship.

Application to DHCD Submitted through CAMS

City of Chesapeake

Chesapeake VATI 2021

Cox Communications has made great progress in connecting unserved residents in Chesapeake as development continues in other parts of the City. However, certain rural areas continue to present great challenges; this grant opportunity presents a viable means and solution to expand services where it would otherwise be financially unfeasible.

Cox is familiar with the VATI grant process, being part of one of the first VATI awards made in 2016. Cox successfully partnered with Gloucester County to bring last mile service to more than 100 homes and businesses in a previously unserved area of the County.

14. Project Budget and Cost Appropriateness

Budget: Applicants must provide a detailed budget that outlines how the grant funds will be utilized, including an itemization of equipment, construction costs, and a justification of proposed expenses. If designating more than one service area in a single application, each service area must have delineated budget information. For wireless projects, please include delineated budget information by each tower. Expenses should be substantiated by clear cost estimates. Include copies of vendor quotes or documented cost estimates supporting the proposed budget. **Label Attachments:** Attachment 11 – Derivation of Costs; Attachment 12 - Documentation of Supporting Cost Estimates.

Answer:

As a nationwide company, Cox uses internal employees and corporate contracted resources to complete and perform the proposed work as outlined in this grant application. Cox is able to leverage its scale when it comes to the purchasing of equipment and establishing reasonable contract rates for additional labor as needed. Therefore, Cox has the benefit of not having to request quotes for individual projects; the costs are standard so they're able to build them in to the costs presented in the table provided and are not adjusted based on geographic location, project size, source of funding, or any other factors. Contracted rates are considered proprietary. It is our hope that this explanation will be sufficient in demonstrating to the review board that Cox has done its due diligence to negotiate rates that reflect a responsible use of resources both for the planning and completion of these last mile projects.

15. The cost benefit index is comprised of three factors: (i) state share for the total project cost, (ii) state cost per unit passed, and (iii) the internet speed. From these statistics, individual cost benefit scores are calculated and averaged together to create a point scale for a composite score. Provide the following:

- a. Total VATI funding request
- b. Number of serviceable units
- c. Highest residential speed available in proposed project area

Answer:

- | | |
|--|-------------|
| a. Total VATI funding request: | \$90,177.00 |
| b. Number of serviceable units: | 69 |
| c. Highest residential speed available in proposed project area: | 940/35Mbps |

Application to DHCD Submitted through CAMS

City of Chesapeake

Chesapeake VATI 2021

16. Commonwealth Priorities

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

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

Answer:

- a. Cox is actively evaluating broadband expansion builds in Chesapeake as the more rural parts of the City see increased development. There are several areas currently under review for expansion. Because of the density in the proposed project area, additional funding support is necessary to justify expansion. With the build to these 53 residential locations, Chesapeake will be one phase away (a small area in the western portion of the City) from universal coverage thanks to the continued efforts of Cox and the City working together to identify new build expansion opportunities under the existing franchise.
- b. The local businesses serviced by these passings will be able to save significant amounts of time and frustration related to having to limit their Internet activity due to satellite limitations or the need to drive in town to get access to Internet capacity. This is the biggest complaint from our local small farmers and home businesses in these areas.
- c. There are no unique partnerships due to the rural location of these areas.
- d. The Cox Connect2Compete program has been in place for 7 years. To date, more than 14,000 families in Virginia have benefited from the program by having access to a broadband-speed, in-home internet connection. Families with a student in k-12 that participate in government assistance programs like Head Start, NSLP, WIC, LIHEAP, SNAP, TANF or who live in government housing qualify for this service option.

In addition to Connect2Compete, Cox offers a variety of options for connectivity including a pay-as-you-go option called Straight Up internet which is 25/3 Mbps in-home internet with Wi-Fi for \$50 per month. This option does not require a contract, credit check or deposit. A modem and all fees are included in the \$50 per month pricing.

In response to the COVID crisis in early 2020, Cox put several programs in place to help support residential and business customers respond to the pandemic and its uncertainty. Plans included offering a low-income internet tier with no annual contract and offering two months of free internet to new Connect2Compete customers. Cox was also able to set up a program to help third-party organizations (I.e., localities, non-profits) and businesses help pay

Application to DHCD Submitted through CAMS

City of Chesapeake

Chesapeake VATI 2021

for connectivity for families or employees in response to the pandemic.

Furthermore, Cox committed to supporting the FCC's Keep America Connected initiative by not terminating service to any residential or small business customer because of an inability to pay; waiving any late fees that residential or small business customers incurred because of their circumstances related to the pandemic; and opening Cox Wi-Fi outdoor hotspots to help keep the public connected. *A review of Cox's COVID-19 pandemic response efforts are included as an attachment.*

17. Additional Information

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

Label Additional Attachments as:

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

Answer:

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

Attachments:

Two most recent Form 477 submitted to FCC

TwoMostRecentForm477SubmittedToFCC8172020112245.pdf

Optional

SupportingMaterialsAttachment8172020112256.pdf

Optional

COVIDresponse814202021746.pdf

Optional

CitizenComplaintLetters8152020101045.pdf

Application to DHCD Submitted through CAMS

City of Chesapeake

Chesapeake VATI 2021

Map(s) of project area, including proposed infrastructure

MapsOfProjectArea8172020111928.pdf

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

DocumentationOfFederalFunding8172020111939.pdf

Documentation that proposed project area is unserved based on VATI criteria

DocumentationThatProposedProjectAreaIsUnservedBasedOnVATICriteria8172020111954.pdf

Passings Form (Please use template provided)

PassingsForm8172020112004.pdf

Propagation Map if Wireless Project

PropagationMapIfWirelessProject8172020112015.pdf

Timeline/Project Management Plan

TimelineProjectManagementPlan8172020112028.pdf

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

MOUMOABetweenApplicantCoApplicant8172020112041.pdf

Funding Sources Table

FundingSourcesTable8172020112059.pdf

Documentation for match funding

DocumentationForMatchFunding8172020112114.pdf

Letters of Support

LettersOfSupport8172020112128.pdf

Derivation of Cost (Project Budget)

DerivationOfCost8172020112137.pdf

Application to DHCD Submitted through CAMS

City of Chesapeake

Chesapeake VATI 2021

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

DocumentationSupportinProjectCosts8172020112757.pdf

Notes:
The proposed project will provide access to multiple levels of high-speed broadband, including Cox's G1GABLAST product (940 Mbps/35 Mbps), to fifty-three (53) homes which in addition to everyday use will also support home-based businesses, telecommuting, telehealth, and virtual learning. These services will be passing two (2) commercial businesses and fourteen (14) residential businesses as well. This project along with their other efforts will bring Cox much closer to universal coverage in Chesapeake. We have included documented complaints from citizens in the specific project area as Optional Document CitizenComplaintsLetters.pdf. You will see in one of the attached letters discusses a vehicle fire on John Etheridge that could have been much worse if it was a life and limb incident. We have multiple other complaints from around the southern region of Chesapeake that are made via phone calls or in direct conversations with City employees and Cox but are not officially documented. Cox and Chesapeake have been partnering over the last several years to meet the needs of the citizens in southern Chesapeake. As Cox stated earlier, their intent is to achieve universal coverage in Chesapeake. The City of Chesapeake supports any efforts that will quicken this coverage, including another attempt seeking funding under the DHCD VATI Grant. It is the team's hope that this year is the year where Cox and City of Chesapeake get support like so many other regions throughout Virginia have also received in past years.

2200-2500 block of Land of Promise Rd. & Silvertown Ave.
City of Chesapeake
(24) homes & 7 Business Residential & 1 Commercial
1.98 miles of construction

Tie-in Point
C

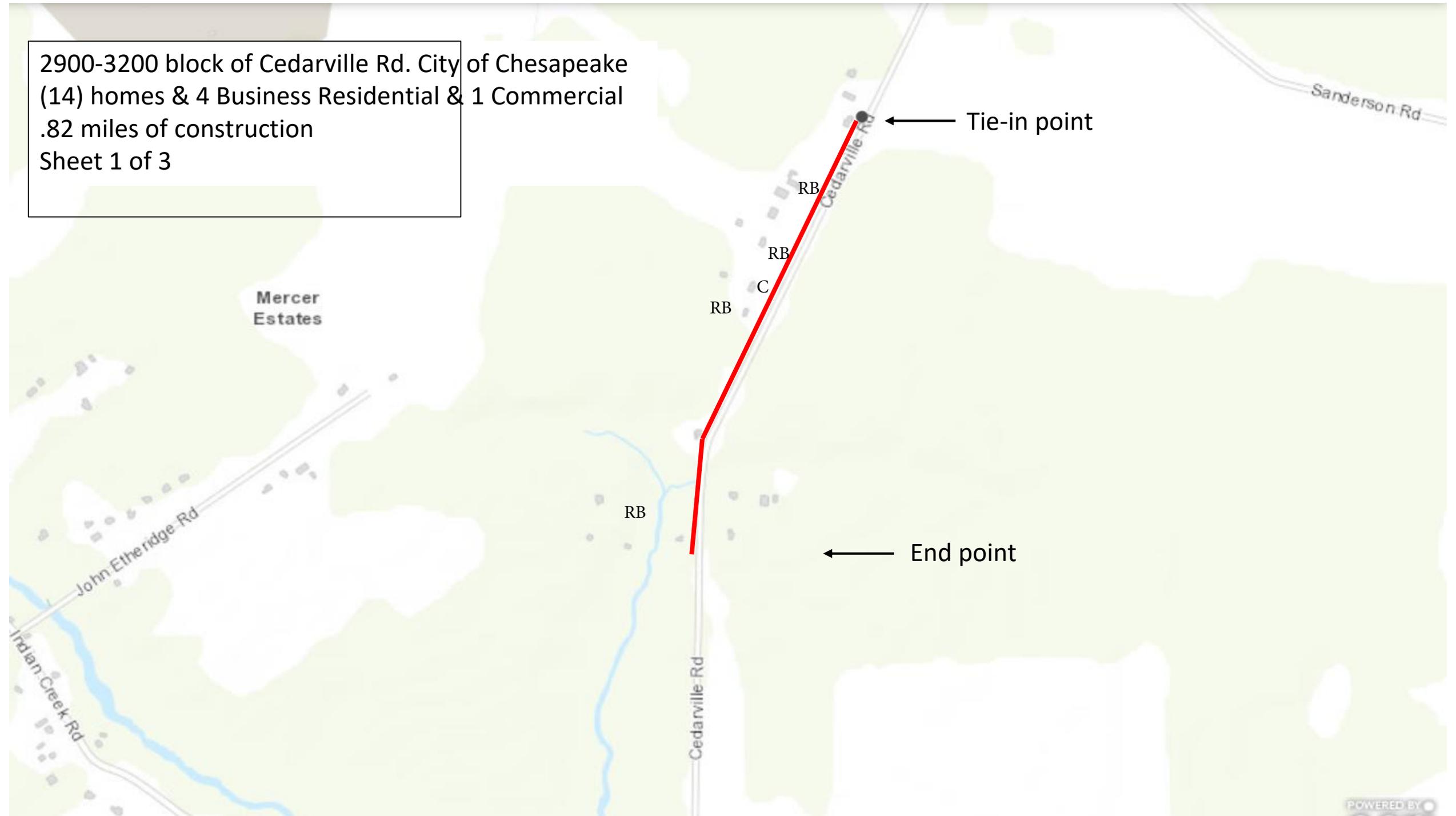
End Point

End Point

city line



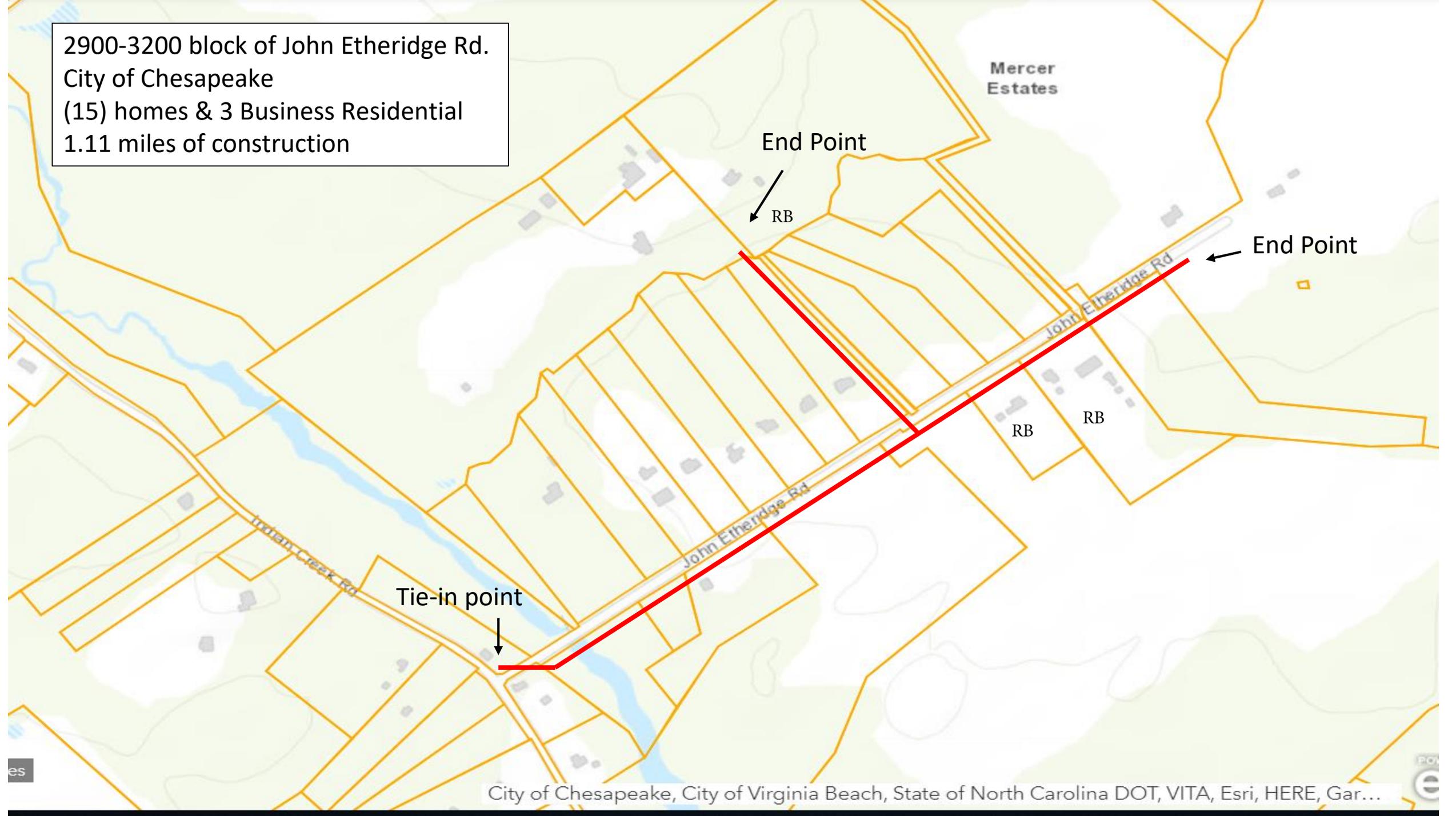
2900-3200 block of Cedarville Rd. City of Chesapeake
(14) homes & 4 Business Residential & 1 Commercial
.82 miles of construction
Sheet 1 of 3



← Tie-in point

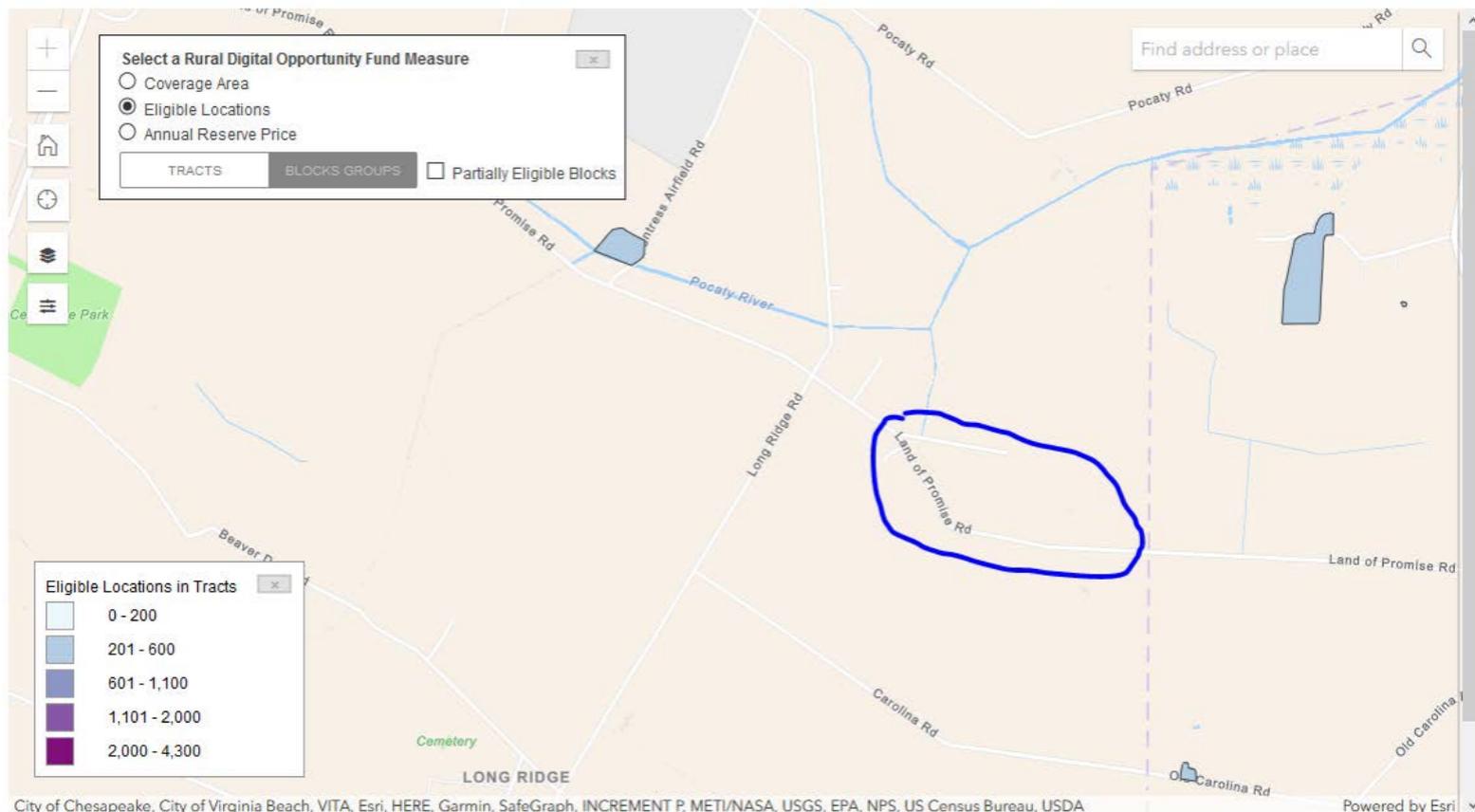
← End point

2900-3200 block of John Etheridge Rd.
City of Chesapeake
(15) homes & 3 Business Residential
1.11 miles of construction



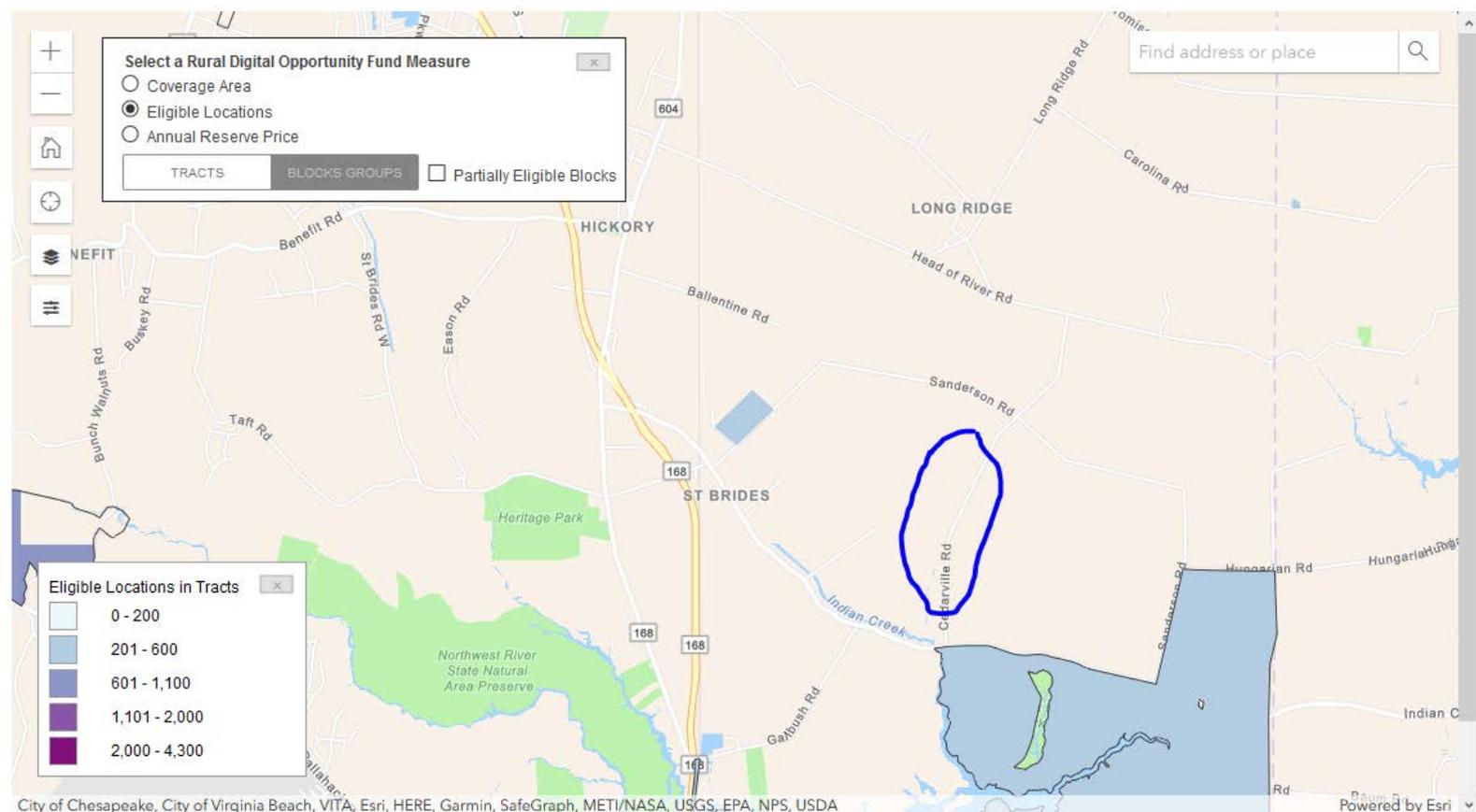
Auction 904 Initial Eligible Areas

Published on 3/17/20. An updated map was published on 6/25/20; see below for a link.



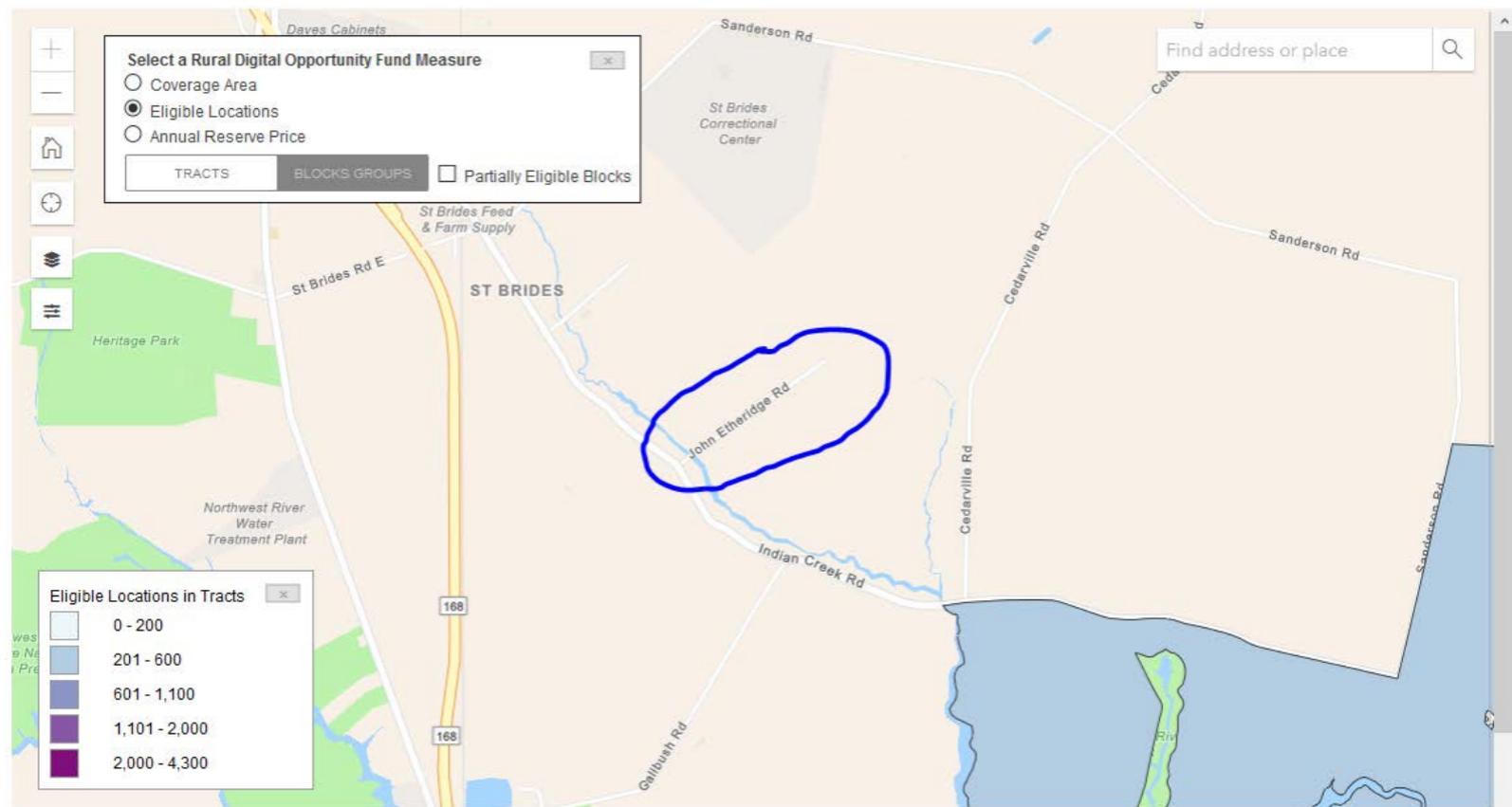
Auction 904 Initial Eligible Areas

Published on 3/17/20. An updated map was published on 6/25/20; see below for a link.



Auction 904 Initial Eligible Areas

Published on 3/17/20. An updated map was published on 6/25/20; see below for a link.



Show Results

Coverage Query Results

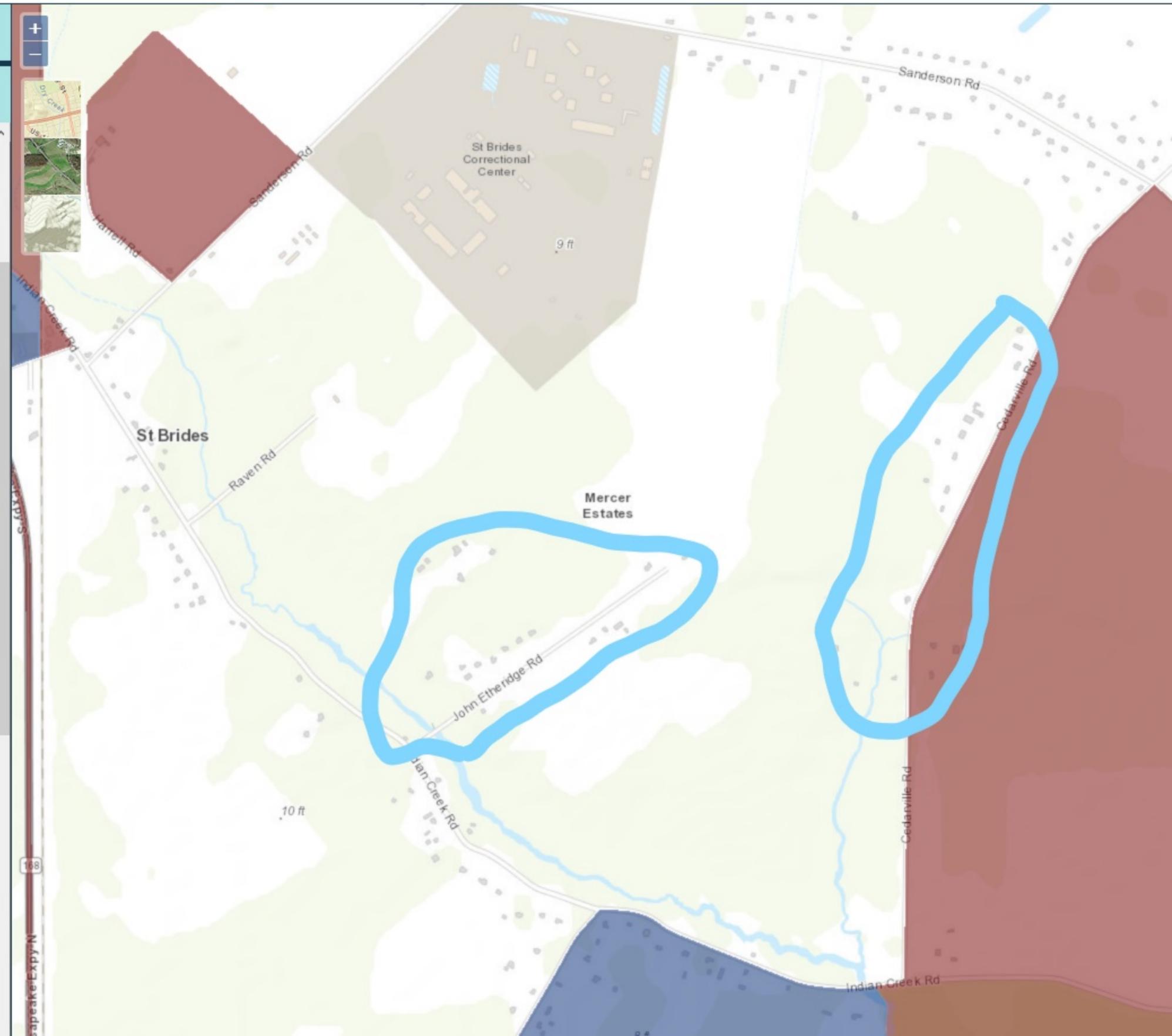
Provider	Technology	Consumer Upload Speed	Consumer Download Speed	Business Upload Speed	Business Download Speed
No results found					

Va. Funding Query Results

County	Partner	Year	Award Amount	Units Contracted to Pass	Funding Program
No results found					

Choose Some Layers

- Cities/Countries
- Cable Wireline Coverage (Dec. 2018)
- DSL/Copper Coverage (Dec. 2018)
- Fiber Optic Coverage (Dec. 2018)
- Fixed Wireless Coverage (Dec. 2018)
- Mobile Wireless Coverage (Dec. 2018)
- 4G/LTE Wireless Coverage (Dec. 2018)
- Satellite Coverage (Dec. 2018)
- Virginia Telecommunication Initiative (VATI) Funding
- Tobacco Region Revitalization Commission (TRRC) Funding
- Underserved Areas
[greater than 10 Mbps download and 1 Mbps upload and less than 25 Mbps download and 3 Mbps upload] (Dec. 2018)
- Unserved Areas
[below or equal to 10 Mbps download and 1 Mbps upload] (Dec. 2018)
- No Residential Broadband (25/3) reported (Dec. 2018)
- Vertical Assets (updated daily)
- Community Anchor Institutions (Dec. 2017)
 - School
 - Library
 - Hospital



Show Results

Coverage Query Results

Provider	Technology	Consumer Upload Speed	Consumer Download Speed	Business Upload Speed	Business Download Speed
No results found					

Va. Funding Query Results

County	Partner	Year	Award Amount	Units Contracted to Pass	Funding Program
No results found					

Choose Some Layers

- Cities/Countries
- Cable Wireline Coverage (Dec. 2018)
- DSL/Copper Coverage (Dec. 2018)
- Fiber Optic Coverage (Dec. 2018)
- Fixed Wireless Coverage (Dec. 2018)
- Mobile Wireless Coverage (Dec. 2018)
- 4G/LTE Wireless Coverage (Dec. 2018)
- Satellite Coverage (Dec. 2018)
- Virginia Telecommunication Initiative (VATI) Funding
- Tobacco Region Revitalization Commission (TRRC) Funding
- Underserved Areas
[greater than 10 Mbps download and 1 Mbps upload and less than 25 Mbps download and 3 Mbps upload] (Dec. 2018)
- Unserved Areas
[below or equal to 10 Mbps download and 1 Mbps upload] (Dec. 2018)
- No Residential Broadband (25/3) reported (Dec. 2018)



During our research we found discrepancies with the <https://broadband.cgic.vt.edu/IntegratedToolbox/maps>. On one of the listed projects, Silvertown and Land of Promise, the map erroneously shows fiber coverage in an area of the City that does not have coverage. We are unaware of any fiber service in the depicted area and additional supporting evidence is the map itself shows a non-contiguous island of supposed fiber optic coverage. For fiber to work you need a contiguous physical connection. Since Cox is asking for assistance to install coverage and Verizon had halted any new fiber installs about a decade ago in our city, it is hard to understand where this data is being derived.

2021 Virginia Telecommunication Initiative (VATI) Passing Form

Type of Passings	Total Number in Project Area	Number with Speeds at 10/1 or below in Project Area
Residential	24 + 14 + 15 = 53	53
Businesses (non-home based)	1 + 1 + 0 = 2	2
Businesses (home-based)	7 + 4 + 3 = 14	14
Community Anchors	0	
Non-residential	0	
Total Number of Passings	69	69

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

Definitions

Passing – any structure that can receive service.

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

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

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

This grant request does not include a wireless component.

CITY OF CHESAPEAKE, VIRGINIA

AND

COX COMMUNICATIONS HAMPTON ROADS, LLC

MEMORANDUM OF AGREEMENT

FOR

VIRGINIA TELECOMMUNICATIONS INITIATIVE (VATI) GRANT PARTNERSHIP

THIS MEMORANDUM OF AGREEMENT (this “Agreement”) is made this _____ day of _____, 2020, by and between the City of Chesapeake, Virginia, a municipal corporation that is a political subdivision of the Commonwealth of Virginia (hereinafter “City”) and Cox Communications Hampton Roads, LLC, a Virginia Limited Liability Company (hereinafter “Cox”).

WHEREAS, The goal of this Memorandum of Agreement is to set forth the undertakings of the parties as it relates to partnering on the submission of a Virginia Telecommunications Initiative (VATI) Grant with the goal of obtaining funds to support the extension of existing Cox network to reach unserved residents in the southeast quadrant of Chesapeake, Virginia.

NOW THEREFORE, for and in consideration of the mutual promises, covenants, and warranties, the receipt and sufficiency of which are hereby acknowledged, the parties, intending to be legally bound, hereby agree as follows:

REPRESENTATIONS, WARRANTIES AND COVENANTS OF THE CITY

In addition to the covenants in other sections of this Agreement, the CITY represents, warrants and covenants as follows:

Organization, Authorization and Validity. The City of Chesapeake, Virginia, a municipal corporation that is a political subdivision of the Commonwealth of Virginia validly existing under the laws of the Commonwealth and has duly authorized, executed and delivered this Agreement. The Agreement is a valid, legal and binding agreement.

Authority. The CITY has all requisite authority to execute and deliver and perform its obligations under this Agreement and is not a party to any indenture, contract or other agreement or arrangement, the performance of which by the CITY would prevent or materially and adversely affect the CITY's ability to perform the terms of this Agreement.

The CITY will contribute the cost of all permitting fees for the project.

The City will act as the project manager in relation to the DHCD VATI Grant process.

REPRESENTATIONS, WARRANTIES AND COVENANTS OF COX

In addition to the covenants in other sections of this Agreement, Cox represents, warrants and covenants for itself as follows:

Organization, Authorization and Validity. Cox is a duly organized Virginia Limited Liability Company validly existing under the laws of the Commonwealth and has duly authorized, executed and delivered this Agreement. The Agreement is a valid, legal and binding agreement.

Authority. The Cox has all requisite authority to execute and deliver and perform its obligations under this Agreement and is not a party to any indenture, contract or other agreement or arrangement, the performance of which by it would prevent or materially and adversely affect its individual performance under this Agreement.

Approval to be listed as a co-applicant for the 2021 VATI Grant.

Application support providing the following to Chesapeake by [DATE]:

Proposed network maps

Details to complete the derivation of costs and budget worksheets

Project management plan including scope of work and timelines

Information on service speeds and associated rates

The two most recent 477 FCC filing summary documents

Marketing tactics information

Other items upon request, as able, based on the ability of Cox to do so keeping in mind customer privacy and company interests

Dedicated company resources to gather the aforementioned information.

Funding to support a portion of the overall budget to help meet the 20% minimum contribution requirement from an ISP, locality or the combination of the two.

Confirmation that all projects included in this proposal can be and will be completed within the 12-18 month timeframe as required by the VATI 2021 guidelines.

MUTUAL REPRESENTATIONS, WARRANTIES AND COVENANTS OF THE PARTIES

In addition to the covenants in other sections of this Agreement, the parties represents, warrants and covenants as follows:

Both parties will work together to, to the best of their ability, provide information to successfully meet the requirements as outlined in the VATI 2021 guidelines and evaluation criteria.

Both parties understand the deadline for submission is August 17, 2020 by 11:59 p.m. through the online CAMS process. The City of Chesapeake, as the Applicant, agrees to transfer all data to the online application prior to the deadline.

Term of Agreement. (a) The term of this Agreement shall be for two (2) years, with three (2) one (1) year renewal options upon the written agreement of the parties.

Termination. The City may terminate the contract for cause or for convenience after giving thirty (30) days' notice in writing to Cox. The written notice shall state whether the termination is for convenience or cause. The notice shall be delivered by a commercial courier service or mailed certified with return receipt requested to the address listed herein.

Voluntary Termination. The parties may additionally voluntarily terminate the contract giving sixty (60) days' notice in writing to the other party. The notice shall be delivered by a commercial courier service or mailed certified with return receipt requested to the address listed herein.

Compliance With Applicable Law. Cox shall at all times during the term of this Agreement, including any renewal period, comply with all applicable federal, state, and local laws, Agreements, and regulations. Expressly reserved to the City is the right to adopt, in addition to the provisions of this Agreement and existing laws, such additional Agreements and regulations as are necessary for the lawful exercise of its police power for the benefit and safety of the public.

Payment of Fees. The CITY shall pay all amounts (fees, costs, expenses, compensation, and taxes) allowed by the Chesapeake City Code, Chesapeake Zoning Agreement and the Code of Virginia, 1950.

Liability of City and Indemnification. The City, its officials, employees, agents, and attorneys, shall not be responsible for any liability of the Cox, any affiliated person or any other person, arising out of or in connection with the installation, maintenance, upgrade, repair or removal of facilities.

The City and its officials, employees, agents, and attorneys shall have no liability to the Cox, any affiliated Person or any other Person for any special, incidental, consequential or other damages as a result of the exercise of any right of the City pursuant to this Agreement or applicable law, including, without limitation, the rights of the City to approve or disapprove the grant, termination, amendment, renewal or transfer of the Franchise, or to otherwise modify all of any part of this Agreement or the Franchise.

To the extent permitted by law, Cox agrees to indemnify, defend and hold harmless the City, its officers, employees and agents from and against all claims, demands, losses, damages, liabilities, fines, and penalties, and all costs and expenses incurred in connection therewith, including, without limitation, reasonable attorney's fees and costs of defense (collectively, the losses), arising out of any breach by Cox of the terms and conditions of this Agreement, except to the extent proximately caused by the gross negligence or willful misconduct of the City, its officers, employees and agents. In addition, to the extent permitted by law, Cox shall protect, indemnify, and hold harmless the City, its officers, agents, and employees, from any and all demands for fees, claims, suits, actions, causes of action, or judgments based on the alleged infringement or violation of any patent, invention, article, arrangement, or other apparatus that may be used in the performance of any work or activity arising out of the use of any fiber optic cabling facilities except to the extent proximately caused by the gross negligence or willful misconduct of the City, its officers, employees or agents.

General Provisions.

(a) *Authority.* Cox warrants and represents that it has obtained all necessary and appropriate authority and approval from all applicable federal and state agencies or authorities, and upon request by the City will provide evidence of such authority.

(b) *Other remedies.* Nothing in this Agreement shall be construed as waiving or limiting any rights or remedies that the City or Cox may have, at law or in equity, for enforcement of this Agreement.

(c) *Severability.* If any section, subsection, sentence, clause, phrase, or other portion of this Agreement, or its application to any person, is, for any reason, declared invalid, in whole or in part by any court or agency of competent jurisdiction, said decision shall not affect the validity of the remaining portions hereof.

(d) *Nonenforcement.* Neither party shall be excused from complying with any of the provisions of this Agreement by any failure of the other party, upon any one or more occasions, to insist upon strict performance of this Agreement or to seek the other party's compliance with any one or more of such terms or conditions of this Agreement.

(e) *Conflicts of law.* If there is a conflict between the provisions of this Agreement and any law, whether federal, state, or City, including all future laws and Agreements, the law and conflicting Agreement provision will, to the extent reasonably possible, be construed so as to be consistent with each other and if such construction is not reasonably possible, the conflicting provision of this Agreement shall be deemed superseded by such law and have no effect, notwithstanding the contract clause of the United States Constitution.

(f) *Change of law.* Notwithstanding anything in this Agreement, if any federal, state, or local laws or regulations (including, but not limited to, those issued by the Federal Communications

Commission or its successor agency) and any binding judicial interpretations thereof (collectively, "Laws") that govern any aspect of the rights or obligations of the parties under this Agreement shall change after the Effective Date and such change (a) declares this Agreement invalid, in whole or in part, or (b) requires the Cox either to (i) perform any act that is inconsistent with any provision of this Agreement or (ii) cease performing any act required by any provision of this Agreement, including any obligations with respect to compensation or other financial obligations pursuant to this Agreement, or (c) alters the City's jurisdiction or rights related to this Franchise or similar franchises, then either the City or the Cox shall promptly notify the other of such fact.

Upon receipt of such notification, the parties, acting in good faith, shall determine whether such declaration or requirement has a material and adverse effect on this Agreement. If the parties, acting in good faith, determine that such declaration or requirement does not have a material and adverse effect on this Agreement, then the Cox shall comply with such declaration or requirement. If the parties, acting in good faith, determine that such declaration or requirement does have such an effect or that compliance with such declaration or requirement by the Cox would materially frustrate or impede the ability of the Cox, to carry out its obligations pursuant to, and the purposes of, this Agreement, then the Cox and the City may enter into good faith negotiations to amend this Agreement. Such materially frustration or impediment of the ability of the Cox shall not include the potential increase in cost or expense to the Cox, nor the choice of location, placement or other requirements of fiber optic cabling facilities. If the parties fail to produce an Agreement which is reasonably acceptable to both the City and the Cox, then the City or Cox may accelerate the expiration of the Term so that the Term shall expire on a date determined by the City and Cox not less than twelve (12) months after such determination.

(g) *Controlling law and venue.* By virtue of entering into this Agreement, Cox agrees and submits itself to the Chesapeake Circuit Court in the City of Chesapeake, Virginia or in the United States District Court for the Eastern District of Virginia, Norfolk Division, and further agrees that this Agreement is controlled by the laws of the Commonwealth of Virginia or any applicable federal laws and that all claims, disputes and other matters shall be decided only by such court according to the laws of the Commonwealth of Virginia or any applicable federal laws.

(h) *Captions.* The section captions and headings in this Agreement are for convenience and reference purposes only and shall not affect in any way the meaning or interpretation of this Agreement.

(i) *Nondiscrimination.* During the performance of this Agreement, Cox agrees that it will not discriminate against any employee or applicant for employment on the basis of race, religion, color, sex, handicap or national origin. Cox agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause. Cox, in all solicitations or advertisements for employees placed by or on behalf of Cox, will state that Cox is an equal opportunity employer. Notices, advertisements and solicitations placed in accordance with federal law, rule or regulation shall be deemed sufficient for the purpose of meeting the requirements herein.

(j) *Entire Agreement.* This Agreement, including all Appendices, embodies the entire understanding and Agreement of the City and the Cox with respect to the subject matter hereof and merges and supersedes all prior representations, agreements and understandings, whether oral or written, between the City and Cox with respect to the subject matter hereof, including, without limitation, all prior drafts of this Agreement and any Appendix to this Agreement and any and all

written or oral statements or representations by any official, employee, agent, attorney, consultant or independent contractor of the City or the Cox.

(k) *Delays and Failures Beyond Control of Cox.* Notwithstanding any other provision of this Agreement, the Cox shall not be liable for delay in performance of, or failure to perform, in whole or in part, its obligations pursuant to this Agreement due to strike, war or act of war (whether an actual declaration of war is made or not), insurrection, riot, act of public enemy, fire, flood or other act of God, or sabotage, where the Cox has exercised all due care in the prevention thereof, to the extent that such causes or other events are beyond the control of the Cox and such delay in performance or failure to perform affects only part of the Cox's capacity to perform, the Cox shall perform to the maximum extent it is able to do so and shall take all steps within its power to correct such cause(s).

The Cox agrees that in correcting such cause(s), it shall take all reasonable steps to do so in as expeditious a manner as possible. The Cox shall notify the City in writing of the occurrence of an event covered by this Section within five (5) business days or a reasonable time period under the circumstances of the date upon which the Cox learns of its occurrence.

(l) *Notices.*

(1) Notices given pursuant to this Agreement shall be in writing and addressed as follows:

To the City: City Manager
 City Manager's Office
 306 Cedar Road, 6th Floor
 Chesapeake, Virginia 23322

With a courtesy copy to:

City Attorney
City Attorney's Office
306 Cedar Road, 6th Floor

Chesapeake, Virginia 23322

To COX COMMUNICATIONS HAMPTON ROADS, LLC:

To Cox: Manager, Government and Public Affairs

Attn: Sarah Buck

1341 Crossways Blvd.

Chesapeake, VA 23320

With an optional courtesy copy to:

Richard Strong

6205-B Peachtree Dunwoody Road NE #16-112

Atlanta, GA 30328

- (2) Either party may change the address at which it will receive notices by providing written notice of the change to the other party.
- (m) *No Agency.* The Cox shall conduct the work to be performed pursuant to this Agreement as an independent contractor and not as an agent of the City.
- (n) *Survival.* All representations and warranties contained in this Agreement shall survive the Term. The Cox acknowledges that certain of the obligations to be performed under this Agreement are to be performed after the Franchise terminates or expires.
- (o) *Delegation of City Rights.* The City reserves the right to delegate and re-delegate, from time to time, any of its rights or obligations under this Agreement to any body, organization or official. Upon such delegation or re-delegation, references to "City" in this Agreement shall refer to the body, organization or official to whom such delegation or re-delegation has been made.

Upon receipt of such notice by the Cox, the Cox shall be bound by all terms and conditions of the delegation not in conflict with this Agreement. Any such delegation, revocation or re-delegation, no matter how often made, shall not be deemed an amendment to this Agreement or require any consent of the Cox.

(p) *Modifications.* Except as otherwise provided in this Agreement, (including any Appendix to this Agreement), or applicable law, no provision of this Agreement (nor any Appendix to this Agreement), shall be amended or otherwise modified, in whole or in part, except by an instrument, in writing, duly executed by the City and the Cox, which amendment shall be authorized on behalf of the City through the adoption of an appropriate Agreement, resolution or order by the City, as required by applicable law.

(q) *Reservation of Rights.* The City reserves the right to adopt or issue such lawful rules, regulations, orders, or other directives governing the Cox's use of the public streets as it shall find necessary or appropriate in the exercise of its police power, and such other orders as the City shall find necessary or appropriate pursuant to and in furtherance of the purposes of this Agreement, and the Cox expressly agrees to comply with all such lawful rules, regulations, orders, or other directives. If any such exercise of right materially alters any of the terms or conditions of this Agreement, the parties may, acting in good faith, negotiate such change. No rule, regulation, order or other directive issued pursuant to this Section shall constitute an amendment to this Agreement.

(r) *Reports.* At the reasonable request of the City, the Cox shall promptly submit to the City such information, as maintained in the ordinary course of business, as the City may request and as allowed by federal and state law regarding the Cox's placement and location of equipment in the public streets and payments and collections made by Cox pursuant to this Agreement.

(s) *Books and Records, Right of Inspection.* Throughout the Term, the Cox shall maintain in the City, or make available at Cox's location in the City or as mutually agreed upon by the City and Cox within fifteen (15) business days after receipt of written request, or within the time that is reasonable under the circumstances though not to exceed thirty (30) days, complete and accurate books of account, documents and records, or copies thereof, of the business, ownership, and operations of the Cox with respect to Cox's installation, construction, maintenance, upgrade, repair, relocation and removing of the facilities in the Public streets that may be required under this Agreement, including without limitation, all records, as maintained in the ordinary course of business, adequate to enable the Cox to demonstrate, at all times throughout the Term that it is, and has been, in compliance with each term and condition of this Agreement. The City and its designated representatives shall have the right to inspect, examine and audit, during normal business hours and upon sixty (60) days' notice to the Cox, all such documents, records and other information of the Cox required to be maintained.

(t) *Treatment of Proprietary Information.* Access by the City to the documents, records or other information covered by this Agreement shall not be denied by the Cox on grounds that such documents, records or information are alleged by the Cox to contain proprietary information, provided that this requirement shall not be deemed to constitute a waiver of the Cox's right to assert that the proprietary information contained in such documents, records or other information, should not be disclosed and to withhold such information upon the agreement of the City. In order to determine the validity of such assertion and withholding by the Cox, the City agrees to review the alleged proprietary information at the Cox's premises, subject to the terms as reasonably determined by the parties, and, to limit access to the alleged proprietary information to those individuals who require the information in the exercise of the City's rights under this Agreement, as reasonably determined by the parties. If the City Attorney concurs with the Cox's assertion regarding the proprietary nature of such information,

the City will not disclose such information to any Person and will not remove from the Cox's premises the proprietary portion of any document or other tangible thing that contains such proprietary information. If the City Attorney does not concur with such assertion, then the Cox shall promptly provide such documents, including the alleged proprietary portion thereof, to the City, provided that the Cox shall not be required to provide the proprietary portion thereof if it promptly notifies the City of its intentions to challenge the City Attorney's decision or during the pendency of any court challenge to such provision. The labeling of documents, records or other information as proprietary shall be the sole responsibility of the Cox.

CITY OF CHESAPEAKE, VIRGINIA

City Manager

APPROVED AS TO FORM:

City Attorney

The undersigned hereby agrees to comply with all the terms, requirements and conditions of the above Memorandum of Agreement.

COX COMMUNICATIONS HAMPTON ROADS, LLC

By: _____

Name: _____

Its: _____

Date: _____

State of _____

City/County of _____, TO WIT;

The foregoing instrument was acknowledged before me this ____ day of _____, 2020, by

_____, _____ of Cox Communications Hampton

Roads, LLC. He/she is personally known to me or has produced _____ as

evidence of identification.

Notary Public

My commission expires _____ My registration number: _____

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	\$ 90177	48	Pending
COX -PRIVATE	\$ 86484	47	SECURED
CHESAPEAKE - LOCAL	\$ 9760	5	SECURED
	\$		
	\$		
	\$		
	\$		
TOTAL	\$ 186421	100 %	

ATTACHMENT 9 - Documentation of Match Funding



Government and Public Affairs
1341 Crossways Blvd.
Chesapeake, VA 23320

August 13, 2020

Mr. Chuck Williams
Department of Information Technology
300 Shea Drive
Chesapeake, VA 23322

Dear Mr. Williams,

Cox will be providing all of the planning, engineering, materials and labor for the installation of the fiber facilities necessary for this project. The value of the Cox contribution that is not reimbursed by VATI is \$86,484. Cox is committed to provide that amount of match funding.

Sincerely,

A handwritten signature in black ink that reads 'Sarah'.

Sarah Buck
Manager, Public Affairs



Government and Public Affairs
1341 Crossways Blvd.
Chesapeake, VA 23320

August 13, 2020

Mr. Chuck Williams
Department of Information Technology
300 Shea Drive
Chesapeake, VA 23322

Dear Mr. Williams,

We are pleased to again partner with the City of Chesapeake to apply for grant funding to extend broadband service to unserved residents in southern portion of the City. We've made great progress over the past year and are looking forward to building out these final few project areas.

This intent of this letter is to confirm our commitment to matching funds for this project and to provide assurance of our financial ability to do so. Cox Communications is the largest private telecom company in America, proudly serving six million homes and businesses across 18 states. Cox Communications is the largest division of Cox Enterprises, a family-owned, global company founded in 1898 by Governor James M. Cox, that reported \$21B in annual revenues last year.

Over the past 15 years, Cox Communications has invested more than \$2.2 billion in Virginia alone and continues to invest to enhance our network, reach the unserved in our service area, and provide programs to support families in need.

Please accept this letter in lieu of a financial statement documenting current assets due to our position as a privately-held company.

Sincerely,

A handwritten signature in black ink, appearing to read 'Sarah'.

Sarah Buck
Manager, Public Affairs



August 1, 2020

Mr. Chris Price
Chesapeake City Manager
306 Cedar Road
Chesapeake, VA 23322

Dear Mr. Price,

Thank you for the opportunity to work with the City on a grant application to help provide broadband service to residents in the southeast quadrant of Chesapeake. Cox Communications is a committed partner to this project and we look forward to coordinating with your great team to make this grant application successful.

Cox Communications has been providing video and telecommunications service in the Commonwealth for more than 40 years and we have continually looked for ways to enhance and expand our network to meet the needs of our customers. Since 2006, Cox has invested more than \$2.2 billion in our Virginia network which has allowed us to repeatedly increase internet speeds and be the first national communications company in Virginia to commit to, and begin deploying, 1 Gigabit internet ("Gigablast") service to our residential customers. These investments and services have significant impact on economic development by increasing opportunities for residents to engage in virtual learning, access telehealth options, telework and allowing more home-based businesses to thrive.

This is an exciting time and we appreciate the opportunity to work with the City of Chesapeake on a grant application for this last-mile project that could help to bring broadband service to residents on Land of Promise Road, John Etheridge Road, and Cedarville Road who have been eager to gain broadband access.

As always, please feel free to contact me with any questions you may have.

Sincerely,

A handwritten signature in black ink that reads "Sarah".

Sarah Buck
Manager, Public Affairs



Department of Information Technology
300 Shea Drive
Chesapeake, VA 23322-5504
(757)382-6391

MEMORANDUM

TO: DHCD Reviewer
FROM: Chuck Williams, Assistant Director of IT
DATE: 8/10/20
SUBJECT: Virginia Telecommunications Initiative Grant In-Kind Contributions

Should Cox and Chesapeake's grant request be awarded, Chesapeake will pay right-of-way fees that would be associated with the build out.

Please feel free to contact me if you have any further question.

CMW

CDBG Derivation of Cost

Product	Total	VATI	Non-VATI	Source of Estimate	Date
Construct approx. 2,798' of new UG coaxial network to include electronics @ \$10.00 per ft.	\$ 27,980	\$ 15,949	\$ 12,031	Cox Communications	8/4/2020
Construct approx. 3,062' of new aerial coaxial network to include electronics @ \$4.50 per ft.	\$ 13,779	\$ 7,854	\$ 5,925	Cox Communications	8/4/2020
Perform network engineering & design & make-ready	\$ 12,842	\$ 7,175	\$ 5,667	Cox Communications	8/4/2020
Total Cost of Project	\$ 54,601	\$ 30,978	\$ 23,623		

CDBG Derivation of Cost

Product	Total	VATI	Non-VATI	Source of Estimate	Date
Construct approx. 1,000' of new UG coaxial network to include electronics @ \$10.00 per ft.	\$ 10,000	\$ 2,700	\$ 7,300	Cox Communications	8/4/2020
Construct approx. 3,300' of new aerial coaxial network to include electronics @ \$4.50 per ft.	\$ 14,850	\$ 4,010	\$ 10,840	Cox Communications	8/4/2020
Perform network engineering & design & make-ready	\$ 9,656	\$ 2,607	\$ 7,049	Cox Communications	8/4/2020
Total Cost of Project	\$ 34,506	\$ 9,317	\$ 25,189		

CDBG Derivation of Cost

Product	Total	VATI	Non-VATI	Source of Estimate	Date
Construct approx. 2,500' of new UG coaxial network to include electronics @ \$10.00 per ft.	\$ 25,000	\$ 14,250	\$ 10,750	Cox Communications	8/4/2020
Construct approx. 8,000' of new aerial coaxial network to include electronics @ \$4.50 per ft.	\$ 36,000	\$ 20,520	\$ 15,480	Cox Communications	8/4/2020
Construct approx. 2,000' of new rebuild (overlash) aerial coaxial network to include electronics @ \$2.00 per ft.	\$ 4,000	\$ 2,280	\$ 1,720	Cox Communications	8/4/2020
Add (1) system power supply units @ \$6,000 per unit	\$ 6,000	\$ 3,420	\$ 2,580	Cox Communications	8/4/2020
Perform network engineering & design & make-ready	\$ 16,554	\$ 9,412	\$ 7,142	Cox Communications	8/4/2020
Total Cost of Project	\$ 87,554	\$ 49,882	\$ 37,672		



August 10, 2020

Mr. Chris Price
Chesapeake City Manager
306 Cedar Road
Chesapeake, VA 23322

Dear Mr. Price,

In reviewing the VATI grant application it has come to our attention that documents are required to verify or back up our cost estimates for the chosen project area.

As a nationwide company, Cox uses internal employees and corporate contracted resources to complete and perform the proposed work as outlined in this grant application. Cox is able to leverage its scale when it comes to the purchasing of equipment and establishing reasonable contract rates for additional labor as needed. Therefore, we have the benefit of not having to request quotes for individual projects; the costs are standard so we're able to build them in to the costs presented in the table provided and are not adjusted based on geographic location, project size, source of funding, or any other factors. Contracted rates are considered proprietary.

It is our hope that this letter will be sufficient in demonstrating to the review board that our company has done its due diligence to negotiate rates that reflect a responsible use of resources both for the planning and completion of these last mile projects.

Please accept this letter as an explanation for the absence of an attached document as requested in the 2020 VATI Application for items 12 and 13.

Sincerely,

A handwritten signature in black ink that reads 'Sarah'.

Sarah Buck
Manager, Public Affairs

Cox

Jun 30, 2019

FCC Form 477 Filing Summary



(RETAIN FOR YOUR RECORDS) Form 477 Filing Summary

FRN:

0001834696

Data as of:

Jun 30, 2019

Operations:

Non-ILEC

Submission Status:

Revised - Submitted

Last Updated:

Apr 9, 2020 08:57:08

Filer Identification

Section	Question	Response
Filer Information	Company Name	Cox Communications, Inc
	Holding Company Name	Cox Communications, Inc.
	SAC ID	139001, 199018, 219019, 229011, 279011, 359019, 379001, 409029, 419021, 439003, 459012, 549017, 559017, 589001
	499 ID	827138

Section	Question	Response
Data Contact Information	Data Contact Name	Paul Cain
	Data Contact Phone Number	(404) 269-8139
	Data Contact E-mail	paul.cain@cox.com
Emergency Operations Contact Information	Emergency Operations Name	Mark Peay
	Emergency Operations Phone Number	(404) 843-5175
	Emergency Operations E-mail	mark.peay@cox.com
Certifying Official Contact Information	Certifying Official Name	Joiava T. Philpott

Section	Question	Response
	Certifying Official Phone Number	(404) 269-0983
	Certifying Official E-mail	joiava.philpott@cox.com

Data Submitted

Form Section	File Name	Date & Time	Number of Rows
Fixed Broadband Deployment	Fixed_Broadband_Deployment_FCC_063019_v2.txt	Apr 9, 2020 08:43:04	311672
Fixed Broadband Subscription	Fixed_Broadband_Subscription_FCC_063019.txt	Apr 9, 2020 08:22:19	103061
Fixed Voice Subscription	Voice_Telephone_Subscription_Detail_FCC_063019.txt	Apr 9, 2020 08:22:19	8913

Fixed Broadband Deployment

Census Block Counts by State, DBA Name and Technology

State	DBA Name	Technology	Blocks
Arizona	Cox Communications	Cable Modem – DOCSIS 3.0	1620
		Cable Modem – DOCSIS 3.1	54435
		Optical Carrier/Fiber to the End User	4421
Arkansas	Cox Communications	Cable Modem – DOCSIS 3.1	12510
		Optical Carrier/Fiber to the End User	82
California	Cox Communications	Cable Modem – DOCSIS 3.0	2221
		Cable Modem – DOCSIS 3.1	26683
		Optical Carrier/Fiber to the End User	886
Connecticut	Cox Communications	Cable Modem – DOCSIS 3.0	380

State	DBA Name	Technology	Blocks
		Cable Modem – DOCSIS 3.1	5682
		Optical Carrier/Fiber to the End User	12
District of Columbia	Cox Communications	Cable Modem – DOCSIS 3.1	5
Florida	Cox Communications	Cable Modem – DOCSIS 3.0	1502
		Cable Modem – DOCSIS 3.1	12546
		Optical Carrier/Fiber to the End User	132
Georgia	Cox Communications	Cable Modem – DOCSIS 3.0	2180
		Cable Modem – DOCSIS 3.1	3247
		Optical Carrier/Fiber to the End User	57

State	DBA Name	Technology	Blocks
Idaho	Cox Communications	Cable Modem – DOCSIS 3.1	734
Iowa	Cox Communications	Cable Modem – DOCSIS 3.1	1451
		Optical Carrier/Fiber to the End User	4
Kansas	Cox Communications	Cable Modem – DOCSIS 3.0	1
		Cable Modem – DOCSIS 3.1	28820
		Optical Carrier/Fiber to the End User	135
Louisiana	Cox Communications	Cable Modem – DOCSIS 3.0	1290
		Cable Modem – DOCSIS 3.1	34878
		Optical Carrier/Fiber to the End User	118

State	DBA Name	Technology	Blocks
Massachusetts	Cox Communications	Cable Modem – DOCSIS 3.1	99
Nebraska	Cox Communications	Cable Modem – DOCSIS 3.0	12
		Cable Modem – DOCSIS 3.1	12153
		Optical Carrier/Fiber to the End User	307
Nevada	Cox Communications	Cable Modem – DOCSIS 3.0	20
		Cable Modem – DOCSIS 3.1	17106
		Optical Carrier/Fiber to the End User	247
North Carolina	Cox Communications	Cable Modem – DOCSIS 3.1	25
Ohio	Cox Communications	Cable Modem – DOCSIS 3.0	1

State	DBA Name	Technology	Blocks
		Cable Modem – DOCSIS 3.1	2105
		Optical Carrier/Fiber to the End User	2
Oklahoma	Cox Communications	Cable Modem – DOCSIS 3.0	13
		Cable Modem – DOCSIS 3.1	29994
		Optical Carrier/Fiber to the End User	692
Rhode Island	Cox Communications	Cable Modem – DOCSIS 3.0	26
		Cable Modem – DOCSIS 3.1	18520
		Optical Carrier/Fiber to the End User	35
Virginia	Cox Communications	Cable Modem – DOCSIS 3.0	25

State	DBA Name	Technology	Blocks
		Cable Modem – DOCSIS 3.1	34126
		Optical Carrier/Fiber to the End User	132
Total			311672

Fixed Broadband Subscription

Fixed Broadband Subscriptions by State, Technology and End-user Type

State	Technology	Census Tracts	Subscriptions		
			Consumer	Business / Govt	Total
Arizona	Cable Modem	18337	1140388	84901	1225289
	Optical Carrier/Fiber to the End User	3796	57803	3370	61173
Arkansas	Cable Modem	2237	122336	12140	134476

State	Technology	Census Tracts	Subscriptions		
			Consumer	Business / Govt	Total
	Optical Carrier/Fiber to the End User	313	1691	337	2028
California	Cable Modem	10520	812147	55500	867647
	Optical Carrier/Fiber to the End User	2249	18783	5051	23834
Connecticut	Cable Modem	1881	115340	9691	125031
	Optical Carrier/Fiber to the End User	139	782	121	903
District of Columbia	Optical Carrier/Fiber to the End User	3	0	3	3
Florida	Cable Modem	3213	224637	18752	243389

State	Technology	Census Tracts	Subscriptions		
			Consumer	Business / Govt	Total
	Optical Carrier/Fiber to the End User	468	4800	610	5410
Georgia	Cable Modem	1174	71668	6370	78038
	Optical Carrier/Fiber to the End User	184	2304	195	2499
Idaho	Cable Modem	71	6414	609	7023
	Optical Carrier/Fiber to the End User	6	0	6	6
Iowa	Cable Modem	410	18321	1309	19630
	Optical Carrier/Fiber to the End User	39	38	40	78

State	Technology	Census Tracts	Subscriptions		
			Consumer	Business / Govt	Total
Kansas	Cable Modem	5061	244902	21190	266092
	Optical Carrier/Fiber to the End User	560	1373	675	2048
Louisiana	Cable Modem	9042	397117	36801	433918
	Optical Carrier/Fiber to the End User	1484	4467	2016	6483
Massachusetts	Cable Modem	22	1044	15	1059
Nebraska	Cable Modem	3279	196874	15210	212084
	Optical Carrier/Fiber to the End User	637	6128	549	6677

State	Technology	Census Tracts	Subscriptions		
			Consumer	Business / Govt	Total
Nevada	Cable Modem	7758	538819	40586	579405
	Optical Carrier/Fiber to the End User	1335	19425	1721	21146
North Carolina	Cable Modem	20	471	10	481
Ohio	Cable Modem	1238	47484	2972	50456
	Optical Carrier/Fiber to the End User	27	0	30	30
Oklahoma	Cable Modem	8804	395711	40405	436116
	Optical Carrier/Fiber to the End User	2049	9453	3296	12749

State	Technology	Census Tracts	Subscriptions		
			Consumer	Business / Govt	Total
Rhode Island	Cable Modem	3988	192958	17658	210616
	Optical Carrier/Fiber to the End User	339	805	392	1197
Virginia	Cable Modem	10794	528311	52993	581304
	Optical Carrier/Fiber to the End User	1584	5420	2422	7842
Total		103061	5188214	437946	5626160

Fixed Broadband Subscriptions by Bandwidths and End-user Type

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
0.256	0.256	0	172	172

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
0.384	0.384	0	2560	2560
0.512	0.512	0	8	8
0.768	0.768	0	1	1
1.000	0.256	0	6	6
1.000	1.000	0	47	47
1.500	0.384	0	176	176
1.500	0.512	0	3	3
1.500	1.500	0	344	344
2.000	0.384	0	253	253

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
2.000	2.000	0	3160	3160
3.000	0.384	0	1	1
3.000	0.512	0	1697	1697
3.000	3.000	0	177	177
4.000	4.000	0	16	16
5.000	1.000	297	900	1197
5.000	2.000	0	259	259
5.000	5.000	0	327	327
6.000	1.000	0	1307	1307

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
6.000	2.000	0	64	64
6.000	6.000	0	91	91
7.000	7.000	0	5	5
8.000	2.000	0	12	12
8.000	8.000	0	10	10
9.000	1.000	0	1119	1119
9.000	9.000	0	2	2
10.000	1.000	239394	0	239394
10.000	2.000	0	72064	72064

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
10.000	3.000	0	100	100
10.000	10.000	0	1096	1096
13.000	4.000	0	2	2
15.000	1.000	84503	0	84503
15.000	1.500	0	1	1
15.000	2.000	110675	0	110675
15.000	3.000	0	7750	7750
15.000	5.000	0	486	486
15.000	15.000	0	29	29

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
15.500	5.000	0	84	84
20.000	3.000	0	9701	9701
20.000	4.000	0	6	6
20.000	20.000	0	1702	1702
25.000	3.000	10582	0	10582
25.000	4.000	0	1584	1584
25.000	5.000	0	97940	97940
25.000	10.000	0	140	140
25.000	15.000	0	2	2

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
25.000	25.000	0	68	68
28.000	4.000	0	215	215
30.000	3.000	769167	0	769167
30.000	10.000	0	214	214
30.000	30.000	0	753	753
35.000	35.000	0	2	2
40.000	40.000	0	319	319
45.000	45.000	0	12	12
50.000	5.000	0	5346	5346

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
50.000	10.000	0	99668	99668
50.000	15.000	0	244	244
50.000	50.000	0	3267	3267
60.000	15.000	0	172	172
60.000	60.000	0	25	25
70.000	70.000	0	11	11
75.000	10.000	0	5	5
75.000	25.000	0	710	710
75.000	75.000	0	24	24

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
80.000	10.000	0	12	12
80.000	20.000	0	38	38
80.000	80.000	0	6	6
90.000	90.000	0	4	4
100.000	10.000	2548570	72	2548642
100.000	20.000	0	78729	78729
100.000	30.000	0	139	139
100.000	40.000	0	1	1
100.000	50.000	0	1	1

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
100.000	100.000	0	5112	5112
120.000	120.000	0	1	1
130.000	130.000	0	2	2
140.000	30.000	0	8	8
150.000	10.000	396047	7	396054
150.000	20.000	0	618	618
150.000	40.000	0	11	11
150.000	150.000	0	123	123
155.000	155.000	0	11	11

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
200.000	20.000	0	17913	17913
200.000	50.000	0	1	1
200.000	200.000	0	1570	1570
250.000	250.000	0	50	50
300.000	30.000	861557	11113	872670
300.000	50.000	0	3	3
300.000	75.000	0	20	20
300.000	300.000	0	737	737
400.000	400.000	0	180	180

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
500.000	35.000	0	1594	1594
500.000	500.000	0	841	841
600.000	600.000	0	22	22
700.000	700.000	0	15	15
800.000	800.000	0	6	6
1000.000	35.000	137770	1297	139067
1000.000	1000.000	29652	1026	30678
2000.000	2000.000	0	82	82
3000.000	3000.000	0	22	22

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
4000.000	4000.000	0	15	15
5000.000	5000.000	0	33	33
6000.000	6000.000	0	3	3
8000.000	8000.000	0	2	2
10000.000	10000.000	0	43	43
12000.000	12000.000	0	1	1
40000.000	40000.000	0	2	2
100000.000	100000.000	0	1	1
Total		5188214	437946	5626160

Fixed Broadband Subscriptions by Technology, Bandwidths and End-user Type

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
Cable Modem	0.256	0.256	0	167	167
	0.384	0.384	0	2551	2551
	1.000	0.256	0	6	6
	1.500	0.384	0	176	176
	1.500	1.500	0	1	1
	2.000	0.384	0	253	253
	2.000	2.000	0	3049	3049
	3.000	0.384	0	1	1
	3.000	0.512	0	1697	1697

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	3.000	3.000	0	17	17
	5.000	1.000	296	867	1163
	5.000	2.000	0	207	207
	5.000	5.000	0	3	3
	6.000	1.000	0	1307	1307
	6.000	2.000	0	63	63
	9.000	1.000	0	1119	1119
	10.000	1.000	236835	0	236835
	10.000	2.000	0	72045	72045

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	10.000	10.000	0	2	2
	15.000	1.000	84177	0	84177
	15.000	1.500	0	1	1
	15.000	2.000	110282	0	110282
	15.000	3.000	0	7623	7623
	15.000	5.000	0	190	190
	20.000	3.000	0	9701	9701
	20.000	4.000	0	6	6
	20.000	20.000	0	6	6

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	25.000	3.000	10569	0	10569
	25.000	4.000	0	1584	1584
	25.000	5.000	0	97835	97835
	25.000	15.000	0	2	2
	28.000	4.000	0	215	215
	30.000	3.000	756647	0	756647
	30.000	10.000	0	214	214
	30.000	30.000	0	1	1
	50.000	5.000	0	5346	5346

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	50.000	10.000	0	99541	99541
	50.000	15.000	0	12	12
	60.000	15.000	0	172	172
	80.000	10.000	0	12	12
	100.000	10.000	2494401	72	2494473
	100.000	20.000	0	78598	78598
	140.000	30.000	0	8	8
	150.000	10.000	392971	7	392978
	150.000	20.000	0	618	618

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	200.000	20.000	0	17869	17869
	300.000	30.000	832652	11060	843712
	500.000	35.000	0	1592	1592
	1000.000	35.000	136112	1296	137408
Optical Carrier/Fiber to the End User	0.256	0.256	0	5	5
	0.384	0.384	0	9	9
	0.512	0.512	0	8	8
	0.768	0.768	0	1	1
	1.000	1.000	0	47	47

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	1.500	0.512	0	3	3
	1.500	1.500	0	343	343
	2.000	2.000	0	111	111
	3.000	3.000	0	160	160
	4.000	4.000	0	16	16
	5.000	1.000	1	33	34
	5.000	2.000	0	52	52
	5.000	5.000	0	324	324
	6.000	2.000	0	1	1

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	6.000	6.000	0	91	91
	7.000	7.000	0	5	5
	8.000	2.000	0	12	12
	8.000	8.000	0	10	10
	9.000	9.000	0	2	2
	10.000	1.000	2559	0	2559
	10.000	2.000	0	19	19
	10.000	3.000	0	100	100
	10.000	10.000	0	1094	1094

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	13.000	4.000	0	2	2
	15.000	1.000	326	0	326
	15.000	2.000	393	0	393
	15.000	3.000	0	127	127
	15.000	5.000	0	296	296
	15.000	15.000	0	29	29
	15.500	5.000	0	84	84
	20.000	20.000	0	1696	1696
	25.000	3.000	13	0	13

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	25.000	5.000	0	105	105
	25.000	10.000	0	140	140
	25.000	25.000	0	68	68
	30.000	3.000	12520	0	12520
	30.000	30.000	0	752	752
	35.000	35.000	0	2	2
	40.000	40.000	0	319	319
	45.000	45.000	0	12	12
	50.000	10.000	0	127	127

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	50.000	15.000	0	232	232
	50.000	50.000	0	3267	3267
	60.000	60.000	0	25	25
	70.000	70.000	0	11	11
	75.000	10.000	0	5	5
	75.000	25.000	0	710	710
	75.000	75.000	0	24	24
	80.000	20.000	0	38	38
	80.000	80.000	0	6	6

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	90.000	90.000	0	4	4
	100.000	10.000	54169	0	54169
	100.000	20.000	0	131	131
	100.000	30.000	0	139	139
	100.000	40.000	0	1	1
	100.000	50.000	0	1	1
	100.000	100.000	0	5112	5112
	120.000	120.000	0	1	1
	130.000	130.000	0	2	2

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	150.000	10.000	3076	0	3076
	150.000	40.000	0	11	11
	150.000	150.000	0	123	123
	155.000	155.000	0	11	11
	200.000	20.000	0	44	44
	200.000	50.000	0	1	1
	200.000	200.000	0	1570	1570
	250.000	250.000	0	50	50
	300.000	30.000	28905	53	28958

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	300.000	50.000	0	3	3
	300.000	75.000	0	20	20
	300.000	300.000	0	737	737
	400.000	400.000	0	180	180
	500.000	35.000	0	2	2
	500.000	500.000	0	841	841
	600.000	600.000	0	22	22
	700.000	700.000	0	15	15
	800.000	800.000	0	6	6

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	1000.000	35.000	1658	1	1659
	1000.000	1000.000	29652	1026	30678
	2000.000	2000.000	0	82	82
	3000.000	3000.000	0	22	22
	4000.000	4000.000	0	15	15
	5000.000	5000.000	0	33	33
	6000.000	6000.000	0	3	3
	8000.000	8000.000	0	2	2
	10000.000	10000.000	0	43	43

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	12000.000	12000.000	0	1	1
	40000.000	40000.000	0	2	2
	100000.000	100000.000	0	1	1
Total			5188214	437946	5626160

Fixed Voice Subscription

VGE Lines and VoIP Subscriptions by State and End-user Type

State	Total VGE Lines	Consumer VGE Lines	Total VoIP Subscriptions	Consumer VoIP Subscriptions
Arizona	12534	9335	633989	418670
Arkansas	0	0	61707	30177
California	11750	5039	548400	349878

State	Total VGE Lines	Consumer VGE Lines	Total VoIP Subscriptions	Consumer VoIP Subscriptions
Connecticut	1053	979	86949	63796
Florida	0	0	117126	70868
Georgia	0	0	43018	27304
Idaho	0	0	3314	2284
Indiana	0	0	32	0
Iowa	669	640	14461	8912
Kansas	637	11	149949	78895
Louisiana	1589	1502	263717	157630
Massachusetts	0	0	35	0

State	Total VGE Lines	Consumer VGE Lines	Total VoIP Subscriptions	Consumer VoIP Subscriptions
Missouri	0	0	19	0
Nebraska	6606	5323	135283	74308
Nevada	0	0	314330	214462
Ohio	0	0	27754	21121
Oklahoma	5669	971	308717	159111
Rhode Island	6671	5782	167502	101994
Texas	0	0	3	0
Virginia	13696	2613	418402	234798
Total	60874	32195	3294707	2014208

Fixed Voice Subscription (VGE Lines)

VGE Lines Provided to Unaffiliated Providers by State

State	Wholesale	UNE-L
Arizona	0	0
California	0	0
Connecticut	0	0
Iowa	0	0
Kansas	0	0
Louisiana	0	0
Nebraska	0	0
Oklahoma	0	0
Rhode Island	0	0

State	Wholesale	UNE-L
Virginia	0	0
Total	0	0

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

State	Total	by Bundle		by Product Type			
		Sold w/ Internet	Sold w/o Internet	Consumer		Bus-Govt	
				& No PIC	& PIC	& No PIC	& PIC
Arizona	12534	8409	4125	721	8614	2503	696
California	11750	4714	7036	91	4948	4087	2624
Connecticut	1053	917	136	11	968	45	29
Iowa	669	557	112	16	624	4	25

State	Total	by Bundle		by Product Type			
		Sold w/ Internet	Sold w/o Internet	Consumer		Bus-Govt	
				& No PIC	& PIC	& No PIC	& PIC
Kansas	637	41	596	1	10	372	254
Louisiana	1589	1392	197	106	1396	74	13
Nebraska	6606	4899	1707	132	5191	867	416
Oklahoma	5669	1019	4650	37	934	2484	2214
Rhode Island	6671	5156	1515	126	5656	440	449
Virginia	13696	2538	11158	326	2287	8632	2451
Total	60874	29642	31232	1567	30628	19508	9171

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

State	Total	by Ownership			by Last-mile Medium			
		Owned	UNE-L	Resale	FTTP	Coax	Fixed Wireless	Copper
Arizona	12534	12281	253	0	0	12534	0	0
California	11750	11092	658	0	1199	10551	0	0
Connecticut	1053	1053	0	0	0	1053	0	0
Iowa	669	668	1	0	0	669	0	0
Kansas	637	606	31	0	0	637	0	0
Louisiana	1589	1582	7	0	0	1589	0	0
Nebraska	6606	6568	38	0	0	6606	0	0
Oklahoma	5669	5298	371	0	539	5130	0	0

State	Total	by Ownership			by Last-mile Medium			
		Owned	UNE-L	Resale	FTTP	Coax	Fixed Wireless	Copper
Rhode Island	6671	6644	27	0	0	6671	0	0
Virginia	13696	13153	543	0	729	12967	0	0
Total	60874	58945	1929	0	2467	58407	0	0

Fixed Voice Subscription (iVoIP)

Over-the-top VoIP Subscriptions by State and End-user Type

State	Total	Consumer	Business / Govt
Arizona	573	0	573
Arkansas	1	0	1
California	7151	0	7151
Connecticut	1	0	1

State	Total	Consumer	Business / Govt
Florida	19	0	19
Georgia	0	0	0
Idaho	0	0	0
Indiana	32	0	32
Iowa	0	0	0
Kansas	729	0	729
Louisiana	165	0	165
Massachusetts	25	0	25
Missouri	19	0	19

State	Total	Consumer	Business / Govt
Nebraska	377	0	377
Nevada	649	0	649
Ohio	0	0	0
Oklahoma	283	0	283
Rhode Island	87	0	87
Texas	3	0	3
Virginia	2247	0	2247
Total	12361	0	12361

All other VoIP Subscriptions by State, End-user Type, Bundle and Last-mile Medium

State	Total	by End-user Type		by Bundle		by Last-mile Medium			
		Consumer	Business / Government	Sold w/ Internet	Sold w/o Internet	FTTP	Coax	Fixed Wireless	Copper
Iowa	14461	8912	5549	10907	3554	14	14447	0	0
Kansas	149220	78895	70325	114548	34672	381	148839	0	0
Louisiana	263552	157630	105922	218362	45190	1537	262015	0	0
Massachusetts	10	0	10	0	10	10	0	0	0
Missouri	0	0	0	0	0	0	0	0	0
Nebraska	134906	74308	60598	100701	34205	1527	133379	0	0
Nevada	313681	214462	99219	272012	41669	6303	307378	0	0
Ohio	27754	21121	6633	24527	3227	4	27750	0	0

State	Total	by End-user Type		by Bundle		by Last-mile Medium			
		Consumer	Business / Government	Sold w/ Internet	Sold w/o Internet	FTTP	Coax	Fixed Wireless	Copper
Oklahoma	308434	159111	149323	235741	72693	11116	297318	0	0
Rhode Island	167415	101994	65421	132147	35268	331	167084	0	0
Texas	0	0	0	0	0	0	0	0	0
Virginia	416155	234798	181357	316609	99546	3601	412554	0	0
Total	3282346	2014208	1268138	2650039	632307	61670	3220676	0	0

Cox

Dec 31, 2019

FCC Form 477 Filing Summary



(RETAIN FOR YOUR RECORDS) Form 477 Filing Summary

FRN:

0001834696

Data as of:

Dec 31, 2019

Operations:

Non-ILEC

Submission Status:

Revised - Submitted

Last Updated:

Jul 13, 2020 10:05:30

Filer Identification

Section	Question	Response
Filer Information	Company Name	Cox Communications
	Holding Company Name	Cox Communications, Inc.
	SAC ID	279011, 439003, 549017
	499 ID	827138

Section	Question	Response
Data Contact Information	Data Contact Name	Paul Cain
	Data Contact Phone Number	(404) 269-8139
	Data Contact E-mail	paul.cain@cox.com
Emergency Operations Contact Information	Emergency Operations Name	Mark Peay
	Emergency Operations Phone Number	(404) 227-6704
	Emergency Operations E-mail	mark.peay@cox.com
Certifying Official Contact Information	Certifying Official Name	Joiava T. Philpott
	Certifying Official Phone Number	(404) 269-0983
	Certifying Official E-mail	joiava.philpott@cox.com

Data Submitted

Form Section	File Name	Date & Time	Number of Rows
Fixed Broadband Deployment	Fixed_Broadband_Deployment_FCC_123119_v3a1_Rem_Block_Island.txt	Jul 13, 2020 09:54:58	312377
	Fixed_Broadband_Deployment_FCC_123119_v3a_CB_XMIT_50.txt	Jul 13, 2020 09:47:21	14
Fixed Broadband Subscription	Fixed_Broadband_Subscription_FCC_123119_v2.txt	Jul 13, 2020 09:47:21	110134
Fixed Voice Subscription	Voice_Telephone_Subscription_Detail_123119.txt	Jul 13, 2020 09:47:21	6687

Fixed Broadband Deployment

Census Block Counts by State, DBA Name and Technology

State	DBA Name	Technology	Blocks
Arizona	Cox Communications	Cable Modem – DOCSIS 3.0	1621
		Cable Modem – DOCSIS 3.1	54532
		Optical Carrier/Fiber to the End User	4494
Arkansas	Cox Communications	Cable Modem – DOCSIS 3.1	12510
		Optical Carrier/Fiber to the End User	130
California	Cox Communications	Cable Modem – DOCSIS 3.0	1339
		Cable Modem – DOCSIS 3.1	27577
		Optical Carrier/Fiber to the End User	978
Connecticut	Cox Communications	Cable Modem – DOCSIS 3.1	6062

State	DBA Name	Technology	Blocks
		Optical Carrier/Fiber to the End User	25
District of Columbia	Cox Communications	Cable Modem – DOCSIS 3.1	5
		Optical Carrier/Fiber to the End User	3
Florida	Cox Communications	Cable Modem – DOCSIS 3.0	144
		Cable Modem – DOCSIS 3.1	13927
		Optical Carrier/Fiber to the End User	143
Georgia	Cox Communications	Cable Modem – DOCSIS 3.0	6
		Cable Modem – DOCSIS 3.1	5409
		Optical Carrier/Fiber to the End User	75

State	DBA Name	Technology	Blocks
Idaho	Cox Communications	Cable Modem – DOCSIS 3.1	734
		Optical Carrier/Fiber to the End User	8
Iowa	Cox Communications	Cable Modem – DOCSIS 3.1	1453
		Optical Carrier/Fiber to the End User	4
Kansas	Cox Communications	Cable Modem – DOCSIS 3.1	28843
		Optical Carrier/Fiber to the End User	160
Louisiana	Cox Communications	Cable Modem – DOCSIS 3.0	9
		Cable Modem – DOCSIS 3.1	36100
		Optical Carrier/Fiber to the End User	203

State	DBA Name	Technology	Blocks
Massachusetts	Cox Communications	Cable Modem – DOCSIS 3.1	99
		Optical Carrier/Fiber to the End User	1
Nebraska	Cox Communications	Cable Modem – DOCSIS 3.0	9
		Cable Modem – DOCSIS 3.1	12168
		Optical Carrier/Fiber to the End User	318
Nevada	Cox Communications	Cable Modem – DOCSIS 3.0	19
		Cable Modem – DOCSIS 3.1	17118
		Optical Carrier/Fiber to the End User	263
North Carolina	Cox Communications	Cable Modem – DOCSIS 3.1	25

State	DBA Name	Technology	Blocks
		Optical Carrier/Fiber to the End User	2
Ohio	Cox Communications	Cable Modem – DOCSIS 3.0	1
		Cable Modem – DOCSIS 3.1	2107
		Optical Carrier/Fiber to the End User	3
Oklahoma	Cox Communications	Cable Modem – DOCSIS 3.0	13
		Cable Modem – DOCSIS 3.1	30013
		Optical Carrier/Fiber to the End User	838
Rhode Island	Cox Communications	Cable Modem – DOCSIS 3.0	2
		Cable Modem – DOCSIS 3.1	18534

State	DBA Name	Technology	Blocks
		Optical Carrier/Fiber to the End User	35
Virginia	Cox Communications	Cable Modem – DOCSIS 3.0	27
		Cable Modem – DOCSIS 3.1	34147
		Optical Carrier/Fiber to the End User	155
Total			312391

Fixed Broadband Subscription

Fixed Broadband Subscriptions by State, Technology and End-user Type

State	Technology	Census Tracts	Subscriptions		
			Consumer	Business / Govt	Total
Arizona	Cable Modem	19544	1198616	88001	1286617

State	Technology	Census Tracts	Subscriptions		
			Consumer	Business / Govt	Total
	Optical Carrier/Fiber to the End User	4143	69323	3944	73267
Arkansas	Cable Modem	2363	124431	12173	136604
	Optical Carrier/Fiber to the End User	361	2491	376	2867
California	Cable Modem	11752	825476	56682	882158
	Optical Carrier/Fiber to the End User	2386	22140	5346	27486
Connecticut	Cable Modem	2017	117107	9935	127042
	Optical Carrier/Fiber to the End User	152	929	131	1060

State	Technology	Census Tracts	Subscriptions		
			Consumer	Business / Govt	Total
District of Columbia	Optical Carrier/Fiber to the End User	3	0	3	3
Florida	Cable Modem	3397	230133	19278	249411
	Optical Carrier/Fiber to the End User	495	5126	672	5798
Georgia	Cable Modem	1256	72752	6565	79317
	Optical Carrier/Fiber to the End User	205	2881	208	3089
Idaho	Cable Modem	76	6608	645	7253
	Optical Carrier/Fiber to the End User	7	0	9	9

State	Technology	Census Tracts	Subscriptions		
			Consumer	Business / Govt	Total
Iowa	Cable Modem	431	18298	1294	19592
	Optical Carrier/Fiber to the End User	42	69	44	113
Kansas	Cable Modem	5298	250944	21248	272192
	Optical Carrier/Fiber to the End User	604	1664	737	2401
Louisiana	Cable Modem	9426	402184	37114	439298
	Optical Carrier/Fiber to the End User	1631	5626	2263	7889
Massachusetts	Cable Modem	23	1001	15	1016

State	Technology	Census Tracts	Subscriptions		
			Consumer	Business / Govt	Total
	Optical Carrier/Fiber to the End User	1	0	1	1
Nebraska	Cable Modem	3529	197093	15161	212254
	Optical Carrier/Fiber to the End User	727	7567	633	8200
Nevada	Cable Modem	8209	548546	41373	589919
	Optical Carrier/Fiber to the End User	1419	24156	1914	26070
North Carolina	Cable Modem	21	480	10	490
	Optical Carrier/Fiber to the End User	2	0	2	2

State	Technology	Census Tracts	Subscriptions		
			Consumer	Business / Govt	Total
Ohio	Cable Modem	1312	47993	3023	51016
	Optical Carrier/Fiber to the End User	31	0	34	34
Oklahoma	Cable Modem	9274	400973	40839	441812
	Optical Carrier/Fiber to the End User	2194	11815	3401	15216
Rhode Island	Cable Modem	4190	190549	17516	208065
	Optical Carrier/Fiber to the End User	355	1015	420	1435
Virginia	Cable Modem	11597	534360	53828	588188

State	Technology	Census Tracts	Subscriptions		
			Consumer	Business / Govt	Total
	Optical Carrier/Fiber to the End User	1661	6639	2623	9262
Total		110134	5328985	447461	5776446

Fixed Broadband Subscriptions by Bandwidths and End-user Type

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
0.256	0.256	0	167	167
0.384	0.384	0	3327	3327
0.512	0.512	0	6	6
0.768	0.768	0	1	1

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
1.000	0.256	0	5	5
1.000	1.000	0	47	47
1.500	0.384	0	210	210
1.500	0.512	0	3	3
1.500	1.500	0	313	313
2.000	0.384	0	91	91
2.000	2.000	0	2861	2861
3.000	0.384	0	1	1
3.000	0.512	0	1556	1556

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
3.000	3.000	0	152	152
4.000	4.000	0	12	12
5.000	1.000	118	704	822
5.000	2.000	0	417	417
5.000	5.000	0	336	336
6.000	1.000	0	1101	1101
6.000	2.000	0	50	50
6.000	6.000	0	73	73
7.000	7.000	0	3	3

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
8.000	2.000	0	8	8
8.000	8.000	0	8	8
9.000	1.000	0	955	955
9.000	9.000	0	2	2
10.000	1.000	235302	0	235302
10.000	2.000	0	64028	64028
10.000	3.000	0	61	61
10.000	10.000	0	1060	1060
13.000	4.000	0	1	1

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
15.000	1.500	0	1	1
15.000	2.000	41013	0	41013
15.000	3.000	0	7683	7683
15.000	5.000	0	401	401
15.000	15.000	0	20	20
15.500	5.000	0	43	43
20.000	3.000	0	9587	9587
20.000	4.000	0	6	6
20.000	20.000	0	1744	1744

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
25.000	3.000	110247	0	110247
25.000	4.000	0	1556	1556
25.000	5.000	26042	91421	117463
25.000	10.000	0	97	97
25.000	15.000	0	2	2
25.000	25.000	0	64	64
28.000	4.000	0	179	179
30.000	3.000	832837	0	832837
30.000	10.000	0	182	182

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
30.000	30.000	0	770	770
35.000	35.000	0	1	1
40.000	40.000	0	326	326
45.000	45.000	0	10	10
50.000	5.000	0	6842	6842
50.000	10.000	0	104463	104463
50.000	15.000	0	195	195
50.000	50.000	0	3542	3542
60.000	15.000	0	153	153

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
60.000	60.000	0	21	21
70.000	70.000	0	11	11
75.000	10.000	0	4	4
75.000	25.000	0	655	655
75.000	75.000	0	22	22
80.000	10.000	0	8	8
80.000	20.000	0	32	32
80.000	80.000	0	3	3
90.000	90.000	0	4	4

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
100.000	10.000	42182	16	42198
100.000	20.000	0	87706	87706
100.000	30.000	0	115	115
100.000	40.000	0	1	1
100.000	50.000	0	1	1
100.000	100.000	0	5906	5906
120.000	120.000	0	1	1
130.000	130.000	0	2	2
140.000	30.000	0	7	7

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
150.000	10.000	2543852	17	2543869
150.000	20.000	7635	648	8283
150.000	40.000	0	9	9
150.000	150.000	0	117	117
155.000	155.000	0	11	11
200.000	10.000	314662	0	314662
200.000	20.000	0	21820	21820
200.000	200.000	0	1904	1904
250.000	250.000	0	53	53

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
300.000	30.000	903043	13370	916413
300.000	50.000	0	2	2
300.000	75.000	0	19	19
300.000	300.000	0	933	933
400.000	400.000	0	206	206
500.000	35.000	0	2351	2351
500.000	500.000	0	1023	1023
600.000	600.000	0	20	20
700.000	700.000	0	17	17

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
800.000	800.000	0	3	3
1000.000	35.000	272052	1951	274003
1000.000	1000.000	0	1361	1361
2000.000	2000.000	0	104	104
3000.000	3000.000	0	34	34
4000.000	4000.000	0	16	16
5000.000	5000.000	0	40	40
6000.000	6000.000	0	6	6
8000.000	8000.000	0	3	3

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
10000.000	10000.000	0	56	56
12000.000	12000.000	0	1	1
20000.000	20000.000	0	1	1
40000.000	40000.000	0	2	2
100000.000	100000.000	0	1	1
Total		5328985	447461	5776446

Fixed Broadband Subscriptions by Technology, Bandwidths and End-user Type

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
Cable Modem	0.256	0.256	0	162	162
	0.384	0.384	0	3320	3320

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	1.000	0.256	0	5	5
	1.500	0.384	0	210	210
	1.500	1.500	0	1	1
	2.000	0.384	0	91	91
	2.000	2.000	0	2764	2764
	3.000	0.384	0	1	1
	3.000	0.512	0	1556	1556
	3.000	3.000	0	16	16
	5.000	1.000	112	672	784

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	5.000	2.000	0	386	386
	5.000	5.000	0	3	3
	6.000	1.000	0	1101	1101
	6.000	2.000	0	49	49
	9.000	1.000	0	955	955
	10.000	1.000	232213	0	232213
	10.000	2.000	0	64008	64008
	10.000	10.000	0	3	3
	15.000	1.500	0	1	1

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	15.000	2.000	40901	0	40901
	15.000	3.000	0	7563	7563
	15.000	5.000	0	143	143
	20.000	3.000	0	9587	9587
	20.000	4.000	0	6	6
	20.000	20.000	0	5	5
	25.000	3.000	109728	0	109728
	25.000	4.000	0	1556	1556
	25.000	5.000	25965	91309	117274

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	25.000	15.000	0	2	2
	28.000	4.000	0	179	179
	30.000	3.000	818059	0	818059
	30.000	10.000	0	182	182
	30.000	30.000	0	2	2
	50.000	5.000	0	6842	6842
	50.000	10.000	0	104290	104290
	50.000	15.000	0	9	9
	60.000	15.000	0	153	153

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	80.000	10.000	0	8	8
	100.000	10.000	41936	16	41952
	100.000	20.000	0	87538	87538
	140.000	30.000	0	7	7
	150.000	10.000	2477507	17	2477524
	150.000	20.000	7590	648	8238
	200.000	10.000	312268	0	312268
	200.000	20.000	0	21751	21751
	300.000	30.000	866642	13298	879940

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	500.000	35.000	0	2339	2339
	1000.000	35.000	234623	1946	236569
Optical Carrier/Fiber to the End User	0.256	0.256	0	5	5
	0.384	0.384	0	7	7
	0.512	0.512	0	6	6
	0.768	0.768	0	1	1
	1.000	1.000	0	47	47
	1.500	0.512	0	3	3
	1.500	1.500	0	312	312

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	2.000	2.000	0	97	97
	3.000	3.000	0	136	136
	4.000	4.000	0	12	12
	5.000	1.000	6	32	38
	5.000	2.000	0	31	31
	5.000	5.000	0	333	333
	6.000	2.000	0	1	1
	6.000	6.000	0	73	73
	7.000	7.000	0	3	3

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	8.000	2.000	0	8	8
	8.000	8.000	0	8	8
	9.000	9.000	0	2	2
	10.000	1.000	3089	0	3089
	10.000	2.000	0	20	20
	10.000	3.000	0	61	61
	10.000	10.000	0	1057	1057
	13.000	4.000	0	1	1
	15.000	2.000	112	0	112

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	15.000	3.000	0	120	120
	15.000	5.000	0	258	258
	15.000	15.000	0	20	20
	15.500	5.000	0	43	43
	20.000	20.000	0	1739	1739
	25.000	3.000	519	0	519
	25.000	5.000	77	112	189
	25.000	10.000	0	97	97
	25.000	25.000	0	64	64

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	30.000	3.000	14778	0	14778
	30.000	30.000	0	768	768
	35.000	35.000	0	1	1
	40.000	40.000	0	326	326
	45.000	45.000	0	10	10
	50.000	10.000	0	173	173
	50.000	15.000	0	186	186
	50.000	50.000	0	3542	3542
	60.000	60.000	0	21	21

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	70.000	70.000	0	11	11
	75.000	10.000	0	4	4
	75.000	25.000	0	655	655
	75.000	75.000	0	22	22
	80.000	20.000	0	32	32
	80.000	80.000	0	3	3
	90.000	90.000	0	4	4
	100.000	10.000	246	0	246
	100.000	20.000	0	168	168

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	100.000	30.000	0	115	115
	100.000	40.000	0	1	1
	100.000	50.000	0	1	1
	100.000	100.000	0	5906	5906
	120.000	120.000	0	1	1
	130.000	130.000	0	2	2
	150.000	10.000	66345	0	66345
	150.000	20.000	45	0	45
	150.000	40.000	0	9	9

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	150.000	150.000	0	117	117
	155.000	155.000	0	11	11
	200.000	10.000	2394	0	2394
	200.000	20.000	0	69	69
	200.000	200.000	0	1904	1904
	250.000	250.000	0	53	53
	300.000	30.000	36401	72	36473
	300.000	50.000	0	2	2
	300.000	75.000	0	19	19

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	300.000	300.000	0	933	933
	400.000	400.000	0	206	206
	500.000	35.000	0	12	12
	500.000	500.000	0	1023	1023
	600.000	600.000	0	20	20
	700.000	700.000	0	17	17
	800.000	800.000	0	3	3
	1000.000	35.000	37429	5	37434
	1000.000	1000.000	0	1361	1361

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	2000.000	2000.000	0	104	104
	3000.000	3000.000	0	34	34
	4000.000	4000.000	0	16	16
	5000.000	5000.000	0	40	40
	6000.000	6000.000	0	6	6
	8000.000	8000.000	0	3	3
	10000.000	10000.000	0	56	56
	12000.000	12000.000	0	1	1
	20000.000	20000.000	0	1	1

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	40000.000	40000.000	0	2	2
	100000.000	100000.000	0	1	1
Total			5328985	447461	5776446

Fixed Voice Subscription

VGE Lines and VoIP Subscriptions by State and End-user Type

State	Total VGE Lines	Consumer VGE Lines	Total VoIP Subscriptions	Consumer VoIP Subscriptions
Alabama	0	0	46	0
Arizona	1964	57	614500	399415
Arkansas	0	0	58591	27936
California	4840	65	535412	335224

State	Total VGE Lines	Consumer VGE Lines	Total VoIP Subscriptions	Consumer VoIP Subscriptions
Colorado	0	0	120	0
Connecticut	14	9	84452	61405
Florida	0	0	112647	66654
Georgia	0	0	40638	25224
Idaho	0	0	3221	2158
Indiana	0	0	32	0
Iowa	38	9	14468	8775
Kansas	520	1	143702	73576
Louisiana	73	29	251410	145709

State	Total VGE Lines	Consumer VGE Lines	Total VoIP Subscriptions	Consumer VoIP Subscriptions
Maryland	0	0	22	0
Massachusetts	0	0	71	0
Missouri	0	0	58	0
Nebraska	1137	99	132700	72490
Nevada	0	0	300899	200109
Ohio	0	0	26330	19726
Oklahoma	3916	12	293816	147297
Rhode Island	539	43	163722	98688
South Dakota	0	0	12	0

State	Total VGE Lines	Consumer VGE Lines	Total VoIP Subscriptions	Consumer VoIP Subscriptions
Texas	0	0	213	0
Utah	0	0	65	0
Virginia	8860	392	406384	220959
Washington	0	0	12	0
Total	21901	716	3183543	1905345

Fixed Voice Subscription (VGE Lines)

VGE Lines Provided to Unaffiliated Providers by State

State	Wholesale	UNE-L
Arizona	0	0
California	0	0

State	Wholesale	UNE-L
Connecticut	0	0
Iowa	0	0
Kansas	0	0
Louisiana	0	0
Nebraska	0	0
Oklahoma	0	0
Rhode Island	0	0
Virginia	0	0
Total	0	0

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

State	Total	by Bundle		by Product Type			
		Sold w/ Internet	Sold w/o Internet	Consumer		Bus-Govt	
				& No PIC	& PIC	& No PIC	& PIC
Arizona	1964	110	1854	4	53	1304	603
California	4840	187	4653	1	64	2839	1936
Connecticut	14	8	6	0	9	3	2
Iowa	38	9	29	0	9	4	25
Kansas	520	20	500	0	1	346	173
Louisiana	73	30	43	1	28	40	4
Nebraska	1137	110	1027	0	99	731	307
Oklahoma	3916	108	3808	0	12	2060	1844

State	Total	by Bundle		by Product Type			
		Sold w/ Internet	Sold w/o Internet	Consumer		Bus-Govt	
				& No PIC	& PIC	& No PIC	& PIC
Rhode Island	539	67	472	0	43	247	249
Virginia	8860	156	8704	259	133	6718	1750
Total	21901	805	21096	265	451	14292	6893

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

State	Total	by Ownership			by Last-mile Medium			
		Owned	UNE-L	Resale	FTTP	Coax	Fixed Wireless	Copper
Arizona	1964	1813	151	0	8	1956	0	0
California	4840	4372	468	0	1212	3628	0	0

State	Total	by Ownership			by Last-mile Medium			
		Owned	UNE-L	Resale	FTTP	Coax	Fixed Wireless	Copper
Connecticut	14	14	0	0	0	14	0	0
Iowa	38	37	1	0	0	38	0	0
Kansas	520	495	25	0	0	520	0	0
Louisiana	73	70	3	0	0	73	0	0
Nebraska	1137	1106	31	0	0	1137	0	0
Oklahoma	3916	3608	308	0	463	3453	0	0
Rhode Island	539	524	15	0	0	539	0	0
Virginia	8860	8445	415	0	522	8338	0	0
Total	21901	20484	1417	0	2205	19696	0	0

Fixed Voice Subscription (iVoIP)

Over-the-top VoIP Subscriptions by State and End-user Type

State	Total	Consumer	Business / Govt
Alabama	46	0	46
Arizona	586	0	586
Arkansas	1	0	1
California	7792	0	7792
Colorado	120	0	120
Connecticut	1	0	1
Florida	24	0	24
Georgia	0	0	0

State	Total	Consumer	Business / Govt
Idaho	0	0	0
Indiana	32	0	32
Iowa	0	0	0
Kansas	973	0	973
Louisiana	205	0	205
Maryland	22	0	22
Massachusetts	61	0	61
Missouri	58	0	58
Nebraska	609	0	609

State	Total	Consumer	Business / Govt
Nevada	753	0	753
Ohio	19	0	19
Oklahoma	383	0	383
Rhode Island	86	0	86
South Dakota	12	0	12
Texas	213	0	213
Utah	65	0	65
Virginia	2440	0	2440
Washington	12	0	12

State	Total	Consumer	Business / Govt
Total	14513	0	14513

All other VoIP Subscriptions by State, End-user Type, Bundle and Last-mile Medium

State	Total	by End-user Type		by Bundle		by Last-mile Medium			
		Consumer	Business / Government	Sold w/ Internet	Sold w/o Internet	FTTP	Coax	Fixed Wireless	Copper
Alabama	0	0	0	0	0	0	0	0	0
Arizona	613914	399415	214499	517841	96073	11607	602307	0	0
Arkansas	58590	27936	30654	47461	11129	238	58352	0	0
California	527620	335224	192396	426545	101075	26289	501331	0	0
Colorado	0	0	0	0	0	0	0	0	0
Connecticut	84451	61405	23046	73333	11118	280	84171	0	0

State	Total	by End-user Type		by Bundle		by Last-mile Medium			
		Consumer	Business / Government	Sold w/ Internet	Sold w/o Internet	FTTP	Coax	Fixed Wireless	Copper
Texas	0	0	0	0	0	0	0	0	0
Utah	0	0	0	0	0	0	0	0	0
Virginia	403944	220959	182985	302207	101737	3803	400141	0	0
Washington	0	0	0	0	0	0	0	0	0
Total	3169030	1905345	1263685	2562192	606838	67707	3101323	0	0

Service Request Summary Report

20-00152593

20-00152593

Printed Date : Jul 14, 2020 8:40:53 AM

Type: Department of Information Technology Issue

SR #: 20-00152593

Area: -

Priority: Standard

Group: Information Technology

Status: Open

Jurisdiction: Chesapeake

Status Date: Jul 8, 2020 7:59:49 AM

Input By: Fleming, Susan Ward

Created Date: Jul 8, 2020 7:59:49 AM

Method E-Mail

Overdue on: Jul 22, 2020 7:59:49 AM

Received:

Location: 524 JOHN ETHERIDGE RD, CHESAPEAKE, VA 23322

**Location
Details:**

SR Maynard J. Scales

Comments: Thu 7/2/2020 1:05 AM

I'm probably not the right person to discuss. I have no say on Internet. IT is likely the first stop on this.

Maynard

Sent from my iPhone

Re: Internet service inquiry

Haley Evans <alexandriarawrevans@gmail.com>

Tue 7/7/2020 12:45 PM

ALERT:External E-mail. Use caution when opening attachments or clicking links.

Good afternoon,

Thank you, the address in question is 524 John Etheridge Rd, Chesapeake, VA 23322, my cell phone is 757-353-0962.

Thank you, Haley

On Mon, Jul 6, 2020, 3:57 PM Customer Contact Center <CustomerContactCenter@cityofchesapeake.net> wrote:

Ms. Evans,

What is your address and phone number. I will ask that you be contacted.

Respectfully,

Susan

757-382-2489

From: Haley Evans <alexandriarawrevans@gmail.com>

Sent: Wednesday, July 1, 2020 12:38 PM

To: Customer Contact Center <CustomerContactCenter@CityOfChesapeake.Net>

Subject: Internet service inquiry

ALERT:External E-mail. Use caution when opening attachments or clicking links.

Service Request Summary Report

20-00152593

20-00152593

Printed Date : Jul 14, 2020 8:40:53 AM

Good afternoon,

Im looking into speaking with someone about getting cox to lay internet cables down our street. Ive seen where there were plans to lay cable just a few streets down from where I live in 2019.

Thank you for your time.

Haley Evans

Flex Notes	
Flex Note Question	Flex Note Answer
REQUIRED - for data collection purposes, please choose the appropriate category based on the inquiry or concern.	Request for Service - SR Issued
Please provide any additional information.	PLEASE RESPOND TO E-MAIL IN COMMENTS

Participants				
Participant Type	Participant Name	Address	Email	Phones/Extension
Citizen	Evans, Haley			HOME 757-353-0962

From: [Lizz Gunnufsen](#)
To: [Chuck Williams](#)
Subject: FW: Communication Service in Southern Chesapeake (553 John Etheridge Rd)
Date: Thursday, September 6, 2018 3:41:02 PM

FYI – this person reached out to us about not having telephone access and is unable to sign up for Chesapeake Alert. Brian’s synopsis (below) accurately reflects the conversation Beth had with her on facebook.

She also relayed a story about her truck catching on fire. She called 911, was routed to NC, then to VAB, then Chesapeake, where she was put on hold. Her truck was burned completely. It sounds like this might be related to the lack of cell service.

But the big thing seems to be lack of landline.

From: Beth Precise
Sent: Thursday, September 06, 2018 3:35 PM
To: Lizz Gunnufsen
Subject: FW: Communication Service in Southern Chesapeake (553 John Etheridge Rd)

From: Brian Claffey
Sent: Thursday, September 06, 2018 3:34 PM
To: Susan R. Vitale <svitale@cityofchesapeake.net>
Subject: Communication Service in Southern Chesapeake (553 John Etheridge Rd)

Greetings,

My name is Brian and I work in the Customer Contact Center for the City. We received a Facebook message from Andrea Mercer (757-773-1957). I reached out to her on the phone and her complaints are as follows:

- Verizon used to provide landline service to her address, but they have told her they no longer support these lines. As a result she cannot consistently receive Chesapeake Alerts. Cell service is poor in Southern Chesapeake. Her phone did break up several times while talking to her.
- Cox lines run close to her home, but not close enough to provide internet or phone service. They are approximately 6/10 of a mile away. Ms. Mercer said that Cox told her if she paid \$43,000 they would extend the lines to her. She agreed, but then Cox backed down.
- She does use Hughes for internet, but evidently that service is no good during a storm. Again, that leaves her in an information void during a weather event.
- She feels that since the City granted contracts to these companies, the companies should provide service to all of Chesapeake.

Ms. Mercer has spoken to several Council Members (including Roland Davis) in the past and she has not received any resolution to her problems. I am reaching out to you because I see you are now the Regional Liaison for the Hampton Roads Regional Broadband Initiative. Is there anything you can do for this citizen?

Sincerely,

Brian J Claffey
Customer Contact Center
757-382-2489



Public Affairs
Cox Communications
678-613-9052
Shana.keith@cox.com

Cox Communications Offers 2 Months of Free Internet Service to New Qualifying Families in Time for Back-to-School

Free service, remote support and discounted laptops arm students for a successful new year of virtual learning

ATLANTA – (July 21, 2020) – As back-to-school fast approaches, Cox has announced new customers that qualify will receive Connect2Compete, the company’s low-cost internet, for two months at no cost. New customers must sign up between July 21 and September 30 for free service, which also includes free technical support.

“Distance learning is the new normal, and we’re focused on removing barriers so all kids can advance in this environment,” said Pat Esser, president and chief executive officer of Cox Communications. “The internet levels the playing field and there are kids that need us now more than ever.”

Computers are part of virtual learning and Cox continues to partner with local, regional and national organizations including PCs for People and Computers to Kids San Diego, who provide discounted, refurbished laptops and accessories to families that qualify for the Connect2Compete program.

A summary of enhancements and benefits of Cox’s Connect2Compete program include:

- 2 months of free Connect2Compete service and remote desktop and phone support through Cox Complete Care for eligible new customers who apply between July 21 and September 30, \$9.95/month thereafter
- Easy referral for discounted, refurbished equipment through PCs for People
- Student and family access to the Cox Digital Academy, which provides computer literacy training and educational resources for students
- Free WiFi modem rental
- Access to over 3M+ Cox Hotspots nationwide

This summer, Cox announced a new digital learning platform available to Connect2Compete customers to keep kids engaged in academics this summer. [MyFuture](#) is The Boys & Girls Club of America’s digital platform that empowers children and teens to learn new skills, share accomplishments and earn recognition and rewards via gamification in a safe and fun online environment. Customers can easily access this tool in Cox’s [Digital Academy](#), an online learning platform full of computer literacy tips, educational videos, tutorials and interactive games.

The Cox Connect2Compete program is available to families who:

- have at least one child that is a K-12 student at home

- participate in one of these government subsidies programs: The National School Lunch Program, SNAP, TANF, Head Start, WIC, LIHEAP, or Public Housing

Families can qualify for Connect2Compete easily from anywhere whether on their mobile device or desktop by visiting www.cox.com/c2c.

To help parents help their children learn from home, Cox has provided several tips and resources available on the company's content hub Converge. Click [here](#) to learn more.

For more information on Cox's coronavirus relief efforts, visit cox.com.

About Cox Communications

Cox Communications is committed to creating meaningful moments of human connection through broadband applications and services. The largest private telecom company in America, we proudly serve six million homes and businesses across 18 states. We're dedicated to empowering others to build a better future and celebrate diverse products, people, suppliers, communities and the characteristics that makes each one unique. Cox Communications is the largest division of Cox Enterprises, a family-owned business founded in 1898 by Governor James M. Cox.



School Internet Payment Program FAQ's:

Q. How does the School Internet Payment Program work?

A. Once you have been approved for the School Internet Payment Program, you will need to send Cox a list that includes the Name, Address and Account number, along with the amount you wish to pay for each account. Then, Cox will send you a consolidated invoice requesting payment. The invoice will need to be paid through a direct ACH credit payment to our bank. Once the ACH payment is verified, the accounts will be credited. Each month, you will be required to send a refreshed list of accounts to Cox.

Q. Is there a minimum number of students required to participate?

A. The School Internet Payment Program is established for schools looking to pay 25 or more accounts. If the school has less than 25 accounts, please have the account numbers available, and contact Residential Customer Support at 1-800- 234-3993 to make payments to each individual account. Support teams are available Monday-Friday 8am to 6pm.

Q. How does a school know what accounts to pay?

A. It is the responsibility of the school to obtain the name, address and Cox account number from each student's family.

Q. How much does a school pay per account?

A. The price each school pays for service may vary, including the level of service they subscribe to or any promotional offers they have on their account. It is ultimately up to the school to determine how much they wish to pay on the student accounts. In order to ensure that we can quickly apply your payments, we require the same amount to be paid for each student.

Q. What if a school has students participating in the Connect2Compete program?

A. If you have students participating in the Connect2Compete program will be allowed to pay one amount for qualifying students and a separate amount for non-qualifying students. You will need to identify which students are participating in the Connect2Compete program.

Q. Can you tell a school how much a student family owes?

A. Unfortunately, due to privacy concerns, we are not able to provide details about the level of service or amount owed on an account.

Q. How does a school pay by direct ACH?

A. Direct ACH payment service is offered by almost all financial institutions. Cox will provide all the required information your bank will need at the time your invoice is sent.

Q. Can a school pay by Credit Card/P-Card/Check/Wire?

A. Unfortunately, we are only able to accept a direct ACH credit for the School Internet Payment Program.

Q. What if a school includes the wrong account number?

A. It is the responsibility of the school to ensure the payment list is accurate prior to delivering the list to Cox. Once the list is delivered, and payment is made, we are unable to make corrections to the accounts.

Q. Is there an added cost for schools to use this program?

A. Cox has set up the temporary School Internet Payment Program in response to the Coronavirus pandemic and will provide support for the program free of charge during this time.

Q. How long does the process take?

A. From start to finish, the initial setup and first credit should take 10-15 days, depending on how quickly Cox receives the requested information and payment. Once the account is established, invoices will be delivered within 48 hours of Cox receiving the account list.

Q. What if a student is not currently a Cox Customer or have Cox internet?

A. Student families must follow the process for setting up Cox services and are responsible for all charges that are incurred, regardless if a school will be making a payment on their account.

Students: Students in grades K-12 may qualify for discounted service through Connect2Compete. To verify eligibility and begin the application process, parents/guardians should visit www.Cox.com/Connect2Compete.

School Faculty/Staff: For fastest service, you may order online by visiting <http://www.cox.com/internet>. You may also call our residential sales team at 1-800-234-3993 to establish an account. They are available Monday - Friday, 8am - 8pm and Saturday, 9am - 6pm.

Note: All requests for new service must meet eligibility requirements at the time of order.

Q. Can a school upgrade the speed of a student's service?

A. Student families are welcome to upgrade their service at any time. The account holder or authorized user will need to contact Cox directly to verify they are eligible and request the change in service.

Q. Can a school pay the difference between the student family's current service and upgraded service?

A. Unfortunately, due to privacy concerns Cox are not able to provide details about the level of service or amount owed on an account. The school is welcome to pay any amount on the student family accounts, if it is the same amount for each account.

Q. What if a student has other services with Cox?

A. Cox provides consolidated bills to our customers, meaning all the services they have with Cox are included on a single bill each month. If the customer has other services that are not being paid by the school, they will need to continue to pay for those services as they do today. Any payments made by the school will reflect as a partial payment on the customer's account. Customers can always keep up to date on their balance by downloading the Cox App or visiting www.cox.com/mybill.

Q. Is a school part of the service relationship?

A. No, all services are provided to students directly by Cox Residential Services. The services are governed under the Cox Residential Customer Service Agreement, all residential terms of service and associated policies, including privacy and acceptable use. These terms and conditions can be found online at <http://www.cox.com/policy>.

Q. Who is responsible for the student account?

A. All financial obligations are between Cox and customer whose name appears on the Cox account (account holder). The account holder is responsible for the full balance due on the account, by the due date listed on the bill each month, and subject to any additional fees that may apply, including late fees and equipment costs. Any payment made by the school will be posted as a partial credit to the customer account, but ultimately it is the account holder who is responsible for the balance due.

Q. What happens to a student account after a school stops paying?

A. It is the responsibility of the school to communicate its intentions with the student families. The student family (account holder) would need to contact Cox should they wish to discontinue service once the school is no longer making payments.

Q. What if my student family (account holder) is unable to pay the remaining balance?

A. Cox is committed to supporting our customers during the Coronavirus pandemic. Should a customer experience a financial hardship and are unable to pay their bill in full during this time, please have them contact Cox at 1-844-221- 3926.



Cox Communications Extends Coronavirus Response Offer for Connect2Compete with Free Service for Students until July 15 Nationwide

Increased speeds, free service and remote support extension plus discounted laptops through partnerships help students finish out the school year strong

ATLANTA – (April 17, 2020) – Recognizing that students will remain home to finish out the school year, Cox has extended free Connect2Compete service, the company’s low-cost internet offer for families with a K-12 student at home until July 15. Remote service support is also extended to ensure ease of implementation while students continue to learn at home during the Coronavirus pandemic. **Customers that sign up between March 13 and May 15 are eligible for this offer and will receive free service until July 15.**

“Distance learning is critical during this time and Cox wants to ensure digital equity so that all kids have the ability to learn and advance from home,” said Pat Esser, president and chief executive officer of Cox Communications. “By extending Connect2Compete to July 15, we keep kids connected to their studies through the end of the school year, and account for additional virtual learning that may be required into the summer.”

Cox temporarily doubled download speeds for its Connect2Compete customers from 25 to 50 Mbps in mid-March. This increase will also continue through July 15.

“The expansion of the Connect2Compete program into the summer recognizes the reality that our students will need months of continued support to recover academically. This is the latest example of how our students have benefitted from our partnership with Cox Communications,” said Cindy Marten, superintendent of San Diego Unified School District. “For years, Cox has helped deliver business-class internet speeds to our classrooms. That is why we turned to them for help during the current crisis. Once again, they have stepped up to help our students succeed.”

In addition to connectivity, many students need equipment to get their work done. Cox continues to partner with local, regional and national organizations including PCs for People and Computers to Kids San Diego, who provide discounted, refurbished laptops and accessories to families that qualify for the Connect2Compete program.

A summary of the latest enhancements to Cox’s Connect2Compete program include:

- Limited time, free Connect2Compete service until July 15th for customers who apply by May 15th, \$9.95 thereafter
- Until July 15, 2020, Cox is providing phone and remote desktop support through Cox Complete Care at no charge to provide peace of mind and ease for technology needs
- Easy referral for discounted, refurbished equipment through PCs for People
- Increased internet download speeds from 25 to 50 Mbps through July 15

- A Learn from Home toolkit for schools, including instructions on how to fast-track eligible students without internet access, can be found at cox.com/connect2compete

Cindy Marten added, “Ever since we made the decision to close schools on March 13, San Diego Unified has been focused on two things - finding ways to get our students back to learning and making sure those learning opportunities are open to all students. Cox Communications has made it possible for us to keep those commitments.”

Cox continues to explore partnerships with top educational development organizations to provide content for Connect2Compete families this summer to keep them engaged and ready for the next school year. New programs and content will be found soon on The Cox Digital Academy, an extension of the Connect2Compete program that better equips children and parents to maximize the power of those connections with online tools.

The Cox Connect2Compete program is available to families who:

- have at least one child that is a K-12 student at home
- participate in one of these government subsidies programs: The National School Lunch Program, SNAP, TANF or Public Housing
- are not a current Cox Internet customer

There are no deposits or annual contracts with Connect2Compete, and self-installation with in-home Wi-Fi equipment is included at no additional charge.

Families can qualify for Connect2Compete by visiting www.cox.com/c2c.

For more information on Cox’s coronavirus relief efforts, visit cox.com.

About Cox Communications

Cox Communications is committed to creating meaningful moments of human connection through broadband applications and services. The largest private telecom company in America, we proudly serve six million homes and businesses across 18 states. We're dedicated to empowering others to build a better future and celebrate diverse products, people, suppliers, communities and the characteristics that makes each one unique. Cox Communications is the largest division of Cox Enterprises, a family-owned business founded in 1898 by Governor James M. Cox.



Cox expands Coronavirus relief offerings for residential customers

Company continues support efforts with new internet offer for lower-income customers and relaxing data usage overage charges

March 16, 2020 - Following a series of announcements last week, Cox announced today additional relief offerings to support residential customers during the coronavirus pandemic. New plans include offering a low-income internet tier with no annual contract and relaxing data usage overage charges for all tiers.

“As we are all adapting in these uncertain times, Cox is continuing to focus on our customers with the greatest need to ensure they have the tools to work and learn from home,” said Pat Esser, president and chief executive officer of Cox Communications. “We remain committed to keeping our customers connected and supporting the communities we serve.”

Cox is offering the following over the next 60 days, through May 15:

- A \$19.99 offer for new Starter internet customers with a temporary boost up to 50 Mbps download speeds, no annual contract or qualifications to help low income and those impacted from Coronavirus challenges, like seniors and college students.
- Eliminating data usage overages beginning today to meet the higher bandwidth demands. Customers with a 500 GB or Unlimited data usage add-on plan will receive credits.

Last week, Cox announced increased internet speeds for select residential packages and implemented a variety of other changes to provide support and relief for our customers and communities in greatest need. Previously announced commitments included:

- Pledging to support the FCC’s Keep America Connected initiatives by:
 - Not terminating service to any residential or small business customer because of an inability to pay their bills due to disruptions caused by the coronavirus pandemic.
 - Waiving any late fees that residential or small business customers incur because of their economic circumstances related to the coronavirus pandemic.
 - Opening Cox Wifi outdoor hotspots to help keep the public connected in this time of need.
- Providing temporary increases for residential customers in the company’s Starter, StraightUp Internet and Connect2Compete packages to speeds of 50 Mbps.
- Extending our Cox Complete Care remote desktop support at no charge to residential customers in those tiers to provide remote helpdesk and assistance for loading new applications they may need to use during this time like online classroom support applications and web conferencing services.
- Offering the first month free to new customers of Connect2Compete, Cox’s low-cost internet product for families with school-aged children who are enrolled in low-income assistance programs ensuring digital equity for students without internet at home. Schools are being asked to

contact connectnow@cox.com with a list of eligible low-income students that currently do not have an internet connection.

- Fast-tracking the qualification process for Connect2Compete and partnering with PCs for People where families can purchase discounted refurbished computers. More information can be found here: <https://cox.pcsrefurbished.com/>.

About Cox Communications

Cox Communications is committed to creating meaningful moments of human connection through broadband applications and services. The largest private telecom company in America, we proudly serve six million homes and businesses across 18 states. We're dedicated to empowering others to build a better future and celebrate diverse products, people, suppliers, communities and the characteristics that makes each one unique. Cox Communications is the largest division of Cox Enterprises, a family-owned business founded in 1898 by Governor James M. Cox.

Fast, Home Internet Free for 2 Months

Available to qualified, new Cox internet customers.

During this continued time of required in-home learning, Cox Communications is committed to helping families in need receive affordable home internet access through our Connect2Compete program.

For a limited time, we're offering the following to NEW qualified families with a K-12 student* who sign up by September 30, 2020.

- First 2 months of service FREE. Regular Connect2Compete service rates of \$9.95 per month apply thereafter.
- First 2 months FREE remote desktop and phone service support available through Cox Complete Care to streamline setup (CCC in-home care not included).
- Resources for discounted, refurbished equipment available through our association with PCs for People.

Connect2Compete is offered with no annual contracts or deposits, and includes free Wifi modem rental and installation.

Families who may qualify for Cox Connect2Compete:

- Have a K-12 student
- Are eligible for the National School Lunch Program, SNAP, TANF, Head Start, WIC and/or LIHEAP
- Receive Tenant-Based Vouchers, Project-Based Vouchers or Section 8 Project-Based Rental Assistance (PBRA)
- Live in public housing
- Are a new Cox customer

COX Connect2Compete.

Qualify now! Learn more at Cox.com/Connect2Compete

*Offer available to customers in Cox services areas who (i) meet program eligibility criteria, (ii) have not subscribed to Cox internet service within the last 90 days or Connect2Compete service in the last 6 months, and (iii) have no unpaid debt for Cox services or unreturned equipment. Not available in all areas. "No annual contract" means no specific term period requirement and no early termination fees. \$9.95/month includes Connect2Compete internet service (up to 25 Mbps download speeds) and one wifi modem rental (may include refurbished wireless gateway). Additional equipment is extra. Equipment must be returned on service cancellation. Advertised program pricing available while eligibility criteria are met. Includes Cox WiFi Hotspot network access at multiple locations across the country. See www.cox.com/hotspots for available coverage areas and hotspots. No installation charge for standard install on one prewired outlet. Additional installation, applicable taxes, and other fees are extra. Actual internet speeds vary and are not guaranteed. See www.cox.com/internetdisclosures for complete Cox Internet Disclosures. Then-current internet service and modem rental rates will apply when program eligibility requirements are no longer met. Offer, prices and eligibility requirements are subject to change. Other restrictions apply. Offer and eligibility are also subject to Connect2Compete program terms and conditions. Visit Cox.com/C2C for complete details. Connect2Compete is a program to provide home internet service for families. It is not a school program, and is not endorsed or required by your school. Your school is not responsible for Connect2Compete accounts. No school funds were used for this notice. All services and plans subject to Cox Residential Customer Service Agreement: Cox.com/rcsa (including mandatory arbitration provisions), Acceptable Use Policy: Cox.com/auo (including Cox's right to terminate service for abuse of network), and other policies: Cox.com/policies.

City of Chesapeake

Supporting Materials Attachment

[Document subtitle]

Contents

Figure 1: Example Hybrid Fiber-Coax Network Configuration.....	2
Figure 2: Residential Pricing.....	2
Figure 3: Business/Commercial Pricing.....	2
Figure 4: Advertising Examples.....	3
Figure 5: Literacy Programs	4
Cox Digital Academy:	4
CoxBLUE:	4

Figure 1: Example Hybrid Fiber-Coax Network Configuration

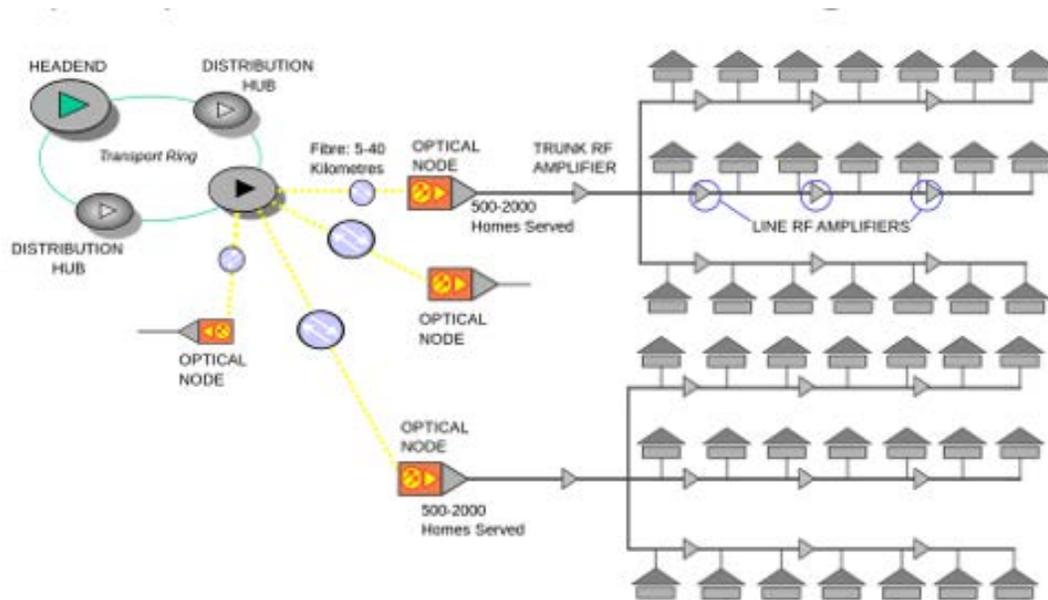


Figure 2: Residential Pricing

Residential Pricing Structure:

Package	Speed (up to)	Rack Rate (monthly)	New Customer Promo (monthly)
Starter 10	10/1 Mbps	\$44.99	\$29.99
Connect2Compete*	25/3 Mbps	\$9.95	\$9.95
Straight Up Internet	25/3 Mbps	\$50.00	\$50.00
Essential 50	50/3 Mbps	\$65.99	\$39.99
Preferred 150	150/10 Mbps	\$83.99	\$59.99
Ultimate 500	500/10 Mbps	\$99.99	\$79.99
Gigablast	940/35Mbps	\$119.99	\$99.99

*for qualifying families

Figure 3: Business/Commercial Pricing

Business/Commercial Internet Pricing Structure:

Most Popular Speed Cox Business Internet 100	Cox Business Internet 300	Cox Business Internet 500
\$64⁹⁹ /mo.	\$109⁹⁹ /mo.	\$144⁹⁹ /mo.
with 24 month agreement Offer Details & Terms	with 24 month agreement Offer Details & Terms	with 24 month agreement Offer Details & Terms
Order Now	Order Now	Order Now
Internet <ul style="list-style-type: none">• Up to 100 Mbps Download• Up to 20 Mbps Upload• 25 Security Suite Licenses	Internet <ul style="list-style-type: none">• Up to 300 Mbps Download• Up to 25 Mbps Upload• 25 Security Suite Licenses	Internet <ul style="list-style-type: none">• Up to 500 Mbps Download• Up to 35 Mbps Upload• 25 Security Suite Licenses

Figure 4: Advertising Examples

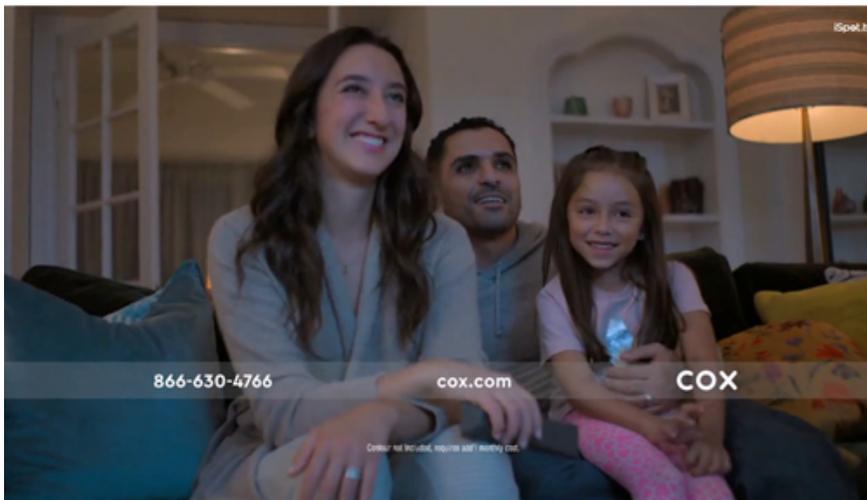


Figure 5: Literacy Programs

Cox Digital Academy:



Cox Digital Academy

CONNECTING YOU TO THE RESOURCES OF YOUR FUTURE.

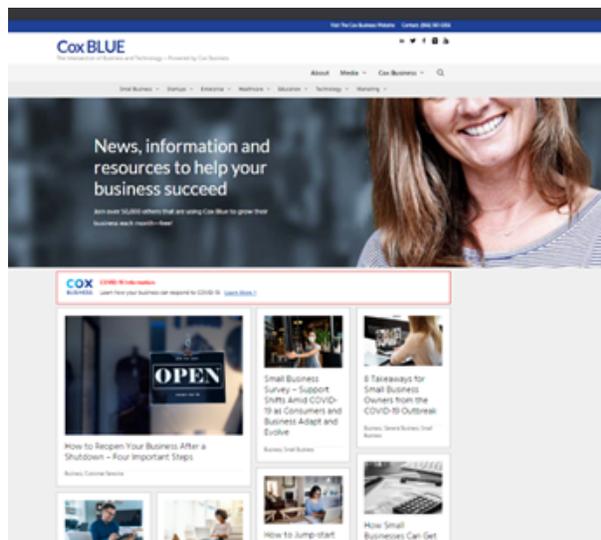
Your home for computer literacy skills

- Educational videos and games
- Computer literacy tips
- Online safety tutorials

COX Connect2 Compete.

Learn more at Cox.com/DigitalAcademy

CoxBLUE:



CoxBLUE
The Division of Business and Technology | Powered by Cox Business

Small Business | Startup | Enterprise | Healthcare | Education | Technology | Marketing

News, information and resources to help your business succeed

Join over 10,000+ others that are using Cox Blue to grow their business. Check it out now!

COX BUSINESS Small Business [Learn how your business can respond to COVID-19](#) [\(CoxBlue\)](#)

- OPEN**
How to Reopen Your Business After a Shutdown - Four Important Steps
Business Culture Series
- Small Business Survey - Support YOUR Small Business as Consumers and Business Adapt and Evolve**
Business Small Business
- 6 Takeaways for Small Business Owners from the COVID-19 Outbreak**
Business Small Business Small Business
- How to Jumpstart**
- How Small Businesses Can Get**