

# Application to DHCD Submitted through CAMS

Stafford County Government

Stafford County - KGI VATI 2020

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**Application ID:** 64507172019135017  
**Application Status:** Pending  
**Program Name:** Virginia Telecommunications Initiative 2020  
**Organization Name:** Stafford County Government  
**Organization Address:**  
**Profile Manager Name:** Tina Suarez  
**Profile Manager Phone:** (540) 658-4573  
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**Project Name:** Stafford County - KGI VATI 2020  
**Project Contact Name:** Michael Cannon  
**Project Contact Phone:** (540) 658-8687  
**Project Contact Email:** mcannon@staffordcountyva.gov  
**Project Location:** 1300 Courthouse Road, P.O. Box 339  
Stafford, VA 22555-0339  
**Project Service Area:** Stafford County

**Total Requested Amount:** \$874,478.77

**Required Annual Audit Status:** No Current Audits Found

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## Budget Information:

Cost/Activity Category	DHCD Request	Other Funding	Total
<b>Telecommunications</b>	<b>\$874,478.77</b>	<b>\$405,177.52</b>	<b>\$1,279,656.29</b>
Construction	\$716,141.38	\$36,560.00	\$752,701.38
Construction Related Soft Costs	\$116,696.08	\$261,521.52	\$378,217.60
Contingencies	\$41,641.31	\$0.00	\$41,641.31
Other: Econ Dev Authority Match	\$0.00	\$50,000.00	\$50,000.00
Other: Stafford County Soft Costs	\$0.00	\$57,096.00	\$57,096.00
<b>Total:</b>	<b>\$874,478.77</b>	<b>\$405,177.52</b>	<b>\$1,279,656.29</b>

Budget Narrative:

## Questions and Responses:

### 1. Project Area

Explain 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:

These project areas were selected for several reasons. First, these areas are unserved and have no prospect of receiving wire-line service, especially with how spread out and isolated the homes are geographically. Secondly, many of these residents have lobbied the County and wireline providers to have broadband expanded to their area with no success without incurring costs of up to and exceeding \$4,000 per resident for construction costs. Additionally, many of these residents have school-age children, who need broadband for school learning and homework, and there are also over 45 home-based businesses and two marinas without broadband service.

From KGI's perspective, these areas offer scalability with existing KGI assets, and with this grant opportunity, KGI can extend service to 727 residents. Broadband can be provided to residents in difficult terrain along the waterline of Aquia Creek, Accokeek Creek, and the Potomac by bringing over 2 gig signals from King George County using the combination of fiber and radio wave. There are five areas of consideration.

1. The first area, Widewater, contains approximately 325 homes, Widewater State Park, and no known homes businesses. The roads include Brent Point Rd, Shore Dr, Sandy Ln, Roger Ln, Woodrow Dr, Lake Dr, Mallard Rd, Ortega St, Hollywood Ave, Mynell St, Shady Cove Ln, Walley Point Dr, Driftwood Ln, Robin Rd, Aquia Crest Ln. KGI is available to provide an internet connection to the

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- Widewater State Park (optional) which currently has sub-optimum reception (<25 download).
2. The second area, Aquia Creek Rd, contains approximately 119 homes, a marina that includes 135 slips, and four known home businesses. The roads include Sunrise View Ln, Melissa Pl, Aquia Creek Rd, Paynes Ln, and portions of Courthouse Rd.
  3. The third area, Marlborough Point, contains approximately 162 homes, the Aquia Landing County Park, and four known home businesses. The roads include Indian Point Rd, Menne Dr, Louie Ln, Pocahontas Ln, Betts Rd, Dobe Point Rd, Potomac View Ln, Potomac Overlook Ln, Waterbury Ct, Osprey View Ln, Main St, Aztec Rd, Drummers Cove, Cannon Bluff Rd, Brooke Rd, Brook Crest Rd, Canterbury Ln, Thorny Point Rd, Accokeek View Ln, Ponds Edge St, Marlborough Point Rd.
  4. A fourth area, King George County, contains 100 homes, a 60 slip marina, and an unknown amount of home businesses along the waterfront is serviced by the installation of the broadband assets installed in the above other three areas and effectively completes a triangle of redundancy. The roads include Cove Harbour Dr, Waugh Point Rd, Waugh Point Marina, Lynn Allen Rd, Potomac Creek Rd, Smiths Warfs Rd, Dauphin Landing, Belvedere Drive, Belvedere Beach, Willi Fox, Fitzhugh Lane and Chatterton Lane.
  5. A fifth area, Aquia Landing, contains 21 homes and an unknown amount of home business. The roads include portions of Brooke, Thorny Point, Pocahontas and Canterbury Roads.

2.

Describe your outreach efforts to identify existing providers in the selected project area. Provide a detailed explanation of how this information was compiled and the source(s). Provide a map and list of all existing providers (fixed and wireless) and speeds offered within the project area. Label Map: Attachment 2 – Existing Provider Map; label documentation: Attachment 3 – Documentation on CAF Funding Area.

**Answer:**

## **Outreach efforts to identify existing providers in the selected project area:**

- There are no existing providers outside of KGI in this area. An RFEI stating the need county-wide was issued and publicly noticed by Stafford County. Also, County staff personally contacted all area broadband providers (Comcast, Verizon and Cox Communications) to make them aware of the RFEI. KGI Communications, LLC was the only company to respond to the RFEI.

## **Explanation of how information was compiled and sources:**

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- At the grassroots level, The Aquia District Board Supervisor utilized her monthly meeting to communicate with active residents. Initially, this forum is where residents seeking broadband solutions met and organized. Leveraging this network of resources, the residents themselves surveyed their neighbors, leading to a potential list of individuals interested in any type of Broadband agnostic of the solution. The information compiled from formal resident surveys, informal petitions, attendance at Widewater HOA meeting, and the Friends of Widewater State Park.

## Map of existing providers:

- See Attachment 2

## List of all existing providers (fixed and wireless) and speeds offered within the project:

- The lack of services was validated by comparing actual addresses and range of addresses to online service available for the providers (COMCAST, Verizon and COX) as well as calling Atlantic Broadband direct for King George residents. Additionally, cellular phone service is very poor in Marlborough Point, Widewater, and Aquia Creek Rd.

## Documentation on CAF Funding Area:

- Stafford County has not applied for any Federal broadband or CAF funding in any part of Stafford County. According to the IT Director of King George, they have not applied for any CAF funding either (see attachment 3).

## 3. Project Need/Description

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 10 Mbps / 1 Mbps or less and with less than 10 percent service overlap within the project area. Describe any anticipated service overlap with current providers within the project area. Provide specific information as to how you determined the percentage overlap. Label Attachment: Attachment 4 – Documentation Unserved Area VATI Criteria.

### Answer:

The growth of technology has been predicated on the availability of such technology to people to enhance their lives and provides a learning platform for more technology in turn. In Stafford and King George, residents are lacking basic communications or have severely limited capability. This reality leaves residents and businesses without the basic building blocks of technological advances, which impedes their ability to telework, complete

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school homework, and have access to recreation and entertainment applications. On any given evening, suburban restaurants and local business are populated with families and school children doing work that could not be done at home due to a lack of broadband. The areas listed in this grant are unserved despite aggressive actions by Stafford's Telecommunications Commission and outreach activities to extend service to unserved areas. Some new developments receive broadband and cable tv service, but older communities like the ones in the proposed project areas are entirely unserved. If KGI is awarded this grant, a wholly scalable and upgradable system would be deployed to expand broadband into Stafford from the shorelines of the Potomac River. Most broadband in Stafford is clustered around high-density urban areas currently with existing providers have been unwilling to extend service to the proposed service areas without imposing excessive costs on each resident. There are large swaths of the County that are still unserved. This grant enables the necessary infrastructure to be built to serve many of these unserved areas.

As indicated in Attachment 4, the propagation maps show minimal overlap well below the 10% requirement. The map and Attachment 4 were created by a third party GIS company named After Image GIS. Stafford County and KGI presented this information for the Mongeon tower location when challenged on this location during the last VATI grant process. Stafford County and KGI won the challenge by showing minimal overlap using the attached frequency study map.

4. Provide the number of residential serviceable units in the project area(s). Describe the eligible premises that will be served by the proposed project and the basis for these projections.

**Answer:**

The approximate number of residential service units in the project areas are listed below and were verified via Stafford County GIS. KGI does not provide less than up to 25/3 and provides speed as high as up to 500 Mbps unthrottled and unlimited usage to its customers.

Stafford County (Unserved - no providers are currently in the area)

- Widewater: 325 homes. Unserved area. This peninsula of Stafford projects into the Potomac River and Aquia Creek. Because it is surrounded by water and is somewhat isolated, providers have by-passed this beautiful area lending it to preservation with a new State Park. The Commonwealth of Virginia plans for the park to be the first SMART park in Virginia, with education programs for local students and visitors. Visitor estimates were lifted from their projections. The residential service units were determined manually via GIS mapping by Stafford County staff.
- Aquia Creek Rd: 119 homes. Unserved area. This road traverses challenging terrain, not easily serviced by wired providers. The marina at the end of this road has been operating for 40 years, far before the internet was a needed operational commodity for its renters. Modern-day marinas, all offer individual access for renters who use the slips for their large boats as second homes to enjoy life with a water view. Unfortunately, this historically significant marina has been adversely impacted by the lack of broadband to offer its customers and beach visitors. There are approximately 135 boat slips. Those boat slips were not counted in the "serviceable units" area, although some are used as second homes.

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- **Aquia Landing Residents:** 21 homes. Unserved Area. This area is located along small windy wagon trails to the waterfront areas of Stafford that were later paved. Previously rural, this area has slowly developed and is populated with large lots built "by right." These three-acre or more lots do not meet density requirements in Stafford's cable franchise agreements to expand service. Many providers even refuse to provide landline telecommunications service, leaving the area with poor cellular service and only satellite as a substandard option for any communications. The full build-out of this option into large lots does not lend itself to meeting the minimum density needed to attract providers in the future and therefore offers no incentive to providers to provide service.
- **Marlborough Point:** 162 homes. Unserved Area. This area is similar to Aquia Landing and is defined by the now paved "wagon trail" leading to the tip of the peninsula where Pocahontas lived. The lots vary significantly in size and an initial estimate by COMCAST to bring fiber just down the main road to be \$450,000. Also, some residents were quoted over \$30,000 to extend that service to their homes due to the distance from the road to the water. KGI currently provides service to a few of the line of site users. Any user presently eligible to receive KGI services, even if they have not subscribed, have been taken out of the count for this application. The limited cell service often results in emergency calls being routed to the wrong call center, adding delays to the response time in this remote area. No other providers provide service.

## King George County (Unserved Area)

- **Whipasawasons Point, Waugh Point, and Belvedre Beach -** 100 homes. All three of these areas were populated slowly, just like Stafford to it's North and contains significant terrain challenges. Placement of antennae in Widewater and Marlborough areas will reach the "shadow" areas below the tower over at King George County. This option will reach the beach surrounding areas.

Total of: 727 Serviceable Units

Residents to be served:  $727 \times 3.04$  residents per serviceable unit = 2,210.08 residents.

5. Indicate the numbers of businesses and community anchor institutions the proposed project will pass in the project area. Also indicate the number of home-based businesses. Provide specific information.

**Answer:**

This grant will enable two Community Anchor institutions (CAI), one business, and 47 known home-based businesses needing broadband access where none is currently available.

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- The first CAI is Widewater State Park, which currently operates through hotspots for back-office business operations. The Park is unable to provide access to visitors or execute any planned programs or enable their vision of a Smart Park. In addition, two ranger homes are at the park that also does not have access. The State Park procurement processes and costs have prevented the Park from obtaining broadband service. However, if this grant is awarded, the State Park would be provided free broadband service for one-year, which should give sufficient time for the Park to procure service from KGI Communications through a competitive process. The State Park could choose to subscribe up to a 2 Gigabit service when they are ready. KGI is offering a public Point to Point (PTP) connection of up to 100 MB for one year to the WW State Park as an in-kind contribution. The State Park will need to securely connect to this PTP and manage the private network outside of this grant. The Parks Master Plan stated, "Widewater State Park will be a cornerstone partner in enhancing education for future generations of students." Phase 3 of the Parks Master Plan calls for the construction of an Environmental Education Center. Stafford County Public Schools (SCPS) estimates this outdoor, living, science/ecology 1,100-acre classroom for approximately 28,000 students and their families. Widewater State Park itself hosts only a fraction of the planned visitors without cellular or internet access, and the programs are stagnant. SCPS provided a letter stating the urgency of their request and support to this grant. Also, Wide Water State Park was recently selected for a notable Annual Bass Fishing competition, which will be aired on three national networks. Finally, the park was planned to be a SMART park without the understanding that broadband was not available. Implementation of a SMART park is a priority for the Department of Conservation and Recreation (DCR), and a letter of support is attached.
- The second CAI is Stafford's Aquia Landing, a Stafford County park, which currently has the limited cellular capability and no emergency phones. Aquia Landing itself has a storied and rich history to the United States, which is why Stafford County preserved this beautiful beach many years ago. Over 10,000 residents a year visit this beach to launch watercraft, fish or play on the beach. Its isolated location has always plagued first responders with its lack of telephone service and poor cellular service. In the past, efforts to bring emergency communications to the beach have been thwarted due to the high cost. This grant will bring WISP to the park and an ability to explore SMART capabilities as well as emergency communications. This safety concern is magnified by frequent flooding of the only road in and out of the area and has left at least two known visitors stranded with no ability to communicate during the emergency. Stafford County initiated a study on the road issue, which will be completed this year. The situation has been identified as "grave" by the county fire chief who is confident of their accessibility into the area regardless of the flooding but concerned for residents and visitors who have no way to call 911 or contact emergency services if needed, and a letter of support is attached. The design of the infrastructure includes placement of an antenna at this location to provide services including an emergency phone to Aquia Landing Park. KGI will proffer as an in-kind contribution connection for a VOIP emergency phone. Stafford County will also pursue outdoor WiFi service for Park visitors.
- Aquia Bay Marina is a large operation that will be well served by the grant, which currently has

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cellular hot spots to operate back office business and is unable to provide any service to its customers. Over the years, the lack of broadband has dramatically impacted the company and required the accounting functions to be outsourced. This marina provides maintenance service, fuel and convenience store needs, has several fishing piers, picnicking areas, boat storage barns, and has 135 rented slips for residents and visitors from the Washington DC area. The Marina leases these slips as weekend "condos" for out of county residents and a few permanent "houseboats," The Marina intends to provide individual accounts to each of these slips, and 10 separate accounts for beaches, parties, boat works, and administration use, totaling 145 accounts served via a 1 gigabit feed.

- Approximately 45 home-based businesses are registered within Widewater, Aquia Creek Road, and Marlboro Point. At least two additional companies are in King George County. Widewater: One known home business, Communication System, Inc. Aquia Creek has four established home businesses requesting broadband services. Heavy Duty Racing, Taste of Elegance, AquiaBay Marina/Boatworks, LBGschwandtner, LLC. Marlborough Point has several home business, and some of these include: Churchill Mortgage, Life Gift Images, The Pirates Lair, Lays Landscaping. The DC Dirt Camp. The antennae installations will service companies in King George at Aquia Landing, and Widewater. Each of these home businesses should see up to 100 Gigabit options to choose from with this service. The lack of broadband keeps the number of home-based businesses lower than national norms.
- Stafford County is a bedroom community of Washington DC. An estimated 60% of the population have at least one person who is employed by the Federal Government at some level and a large population of veterans. Over 78% of residents commute North for work and are unable to telework. The office of personal management (OPM) mandates that these agencies allow employees to telework at least one day a week to decrease the congestion and improve the quality of life for its employees. An estimated 10,000 people within the County could work from home if granted.

6. Understanding that projected take rates are an estimate, provide the anticipated take rate for the proposed service within one year of project completion and describe the basis for the estimate. Also detail all actions (e.g. marketing activities, outreach plan) to be implemented to reach the identified potential serviceable units within the project area.

**Answer:**

The anticipated take rate for residents is 80 percent the first year and 90 percent within 1.5 years. Most of these residents have been polled and were followed-up with both formal and informal surveys, and 100 percent of those who responded are highly interested and excited to have this solution. Over 200 people have attended the local roundtable and public meetings to learn about their options, advocate for solutions, and the county needs for school children, to telework, safety, and property values. The take rate is also based upon historical data as currently, KGIs backlog has over 576 residents waiting for service in their area, and this number grows daily. Should KGI receive the VATI grant award, residents will be notified via KGI's website and will be invited to a publicly advertised meeting to share the installation schedule. KGI staff calls individuals on the waiting list when service is available in their area. KGI's outreach includes installation signs, local newspaper notices, website, and social media posts when service is available in a specified area. Word of mouth is also a significant factor, and KGI has found this to be one of the biggest factors in obtaining new customers.

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Marketing and outreach to those enabled by this grant will be through the network of residents who are the driving force behind obtaining broadband in this area. The two Board of Supervisors for Aquia and Griffis-Widewater conduct monthly meetings with residents and share broadband availability in their districts. Also, Elite Community Management, LLC, an HOA for five of the neighborhoods in this area, intends to notify all residents of the availability. Two social media networks, Friends of Brooke Road and Friends of Marlborough Point are already active in surveying residents door-to-door as well as through their social media.

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

**Answer:**

The infrastructure will be owned and operated by KGI, and all real property will be leased. Ground fiber is leased from Verizon to the Fairview Beach tower equipment in King George County. KGI leases the tower and owns the equipment and fiber. Connecting fiber from microwave tx/rx locations as well as small cell equipment will be held, installed, and maintained by KGI. The tower located in Marlborough Point will be owned by KGI and real property on which the tower sits will be leased by KGI and paid to Mongeon Tower LLC (see attached Mongeon Tower, LLC lease agreement). Dominion owns the electric poles in Widewater and Aquia Creek Rd, and KGI will lease from them. KGI owns the fiber and small cells that will be placed on the Dominion poles in Widewater and Aquia Creek Road. In Aquia Landing, KGI will place a wooden pole at the site. KGI will own the pole and own the fiber and equipment.

8. Provide the proposed download and upload speeds for the project area. 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. Describe the Internet service offerings to be provided after completion of this project and your price structure for these services. The service offerings should include all relevant tiers.

**Answer:**

Most of the FTTH project areas will provide services with no less than up to 100/100 Mbps speeds and a high package of up to 500/500 Mbps. For the fixed wireless project areas, the average speeds will be up to 50/10 Mbps with offerings of a top package of up to 150/50 Mbps and a lower package of up to 25/3 Mbps. KGI's experience proves it is more efficient to provide higher speeds, which reduces the operations and maintenance of the system. The system is designed to provide redundancy and improved reliability near 99.9% through the combination of wired and wireless assets. See attachment 18.

Our price structure is divided into business and residential packages, unlimited and no throttling:

**Business Fiber:**\* (per month)

- up to 500/500 Mbps \$290
- up to 300/300 Mbps \$270
- up to 100/100 Mbps \$240

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*\* Fiber pricing is only for areas where KGI Fiber to the Home (FTTH) is available.*

Business Fiber set up, and installation price is \$350. Business fiber includes one static IP. Equipment control fee is \$20 per month. Extra Static IP addresses are available upon request for an additional cost.

## **Residential Fiber:**\* (per month)

- up to 500/500 Mbps \$250
- up to 300/300 Mbps \$230
- up to 100/100 Mbps \$190

*\*Fiber pricing is only for areas where KGI Fiber to the Home (FTTH) is available.*

Residential Fiber plans are for 2-year contracts. Equipment control fee is \$12 per month. Fiber set up, and installation price is \$350.

## **Business Fixed Wireless Dedicated Speed Packages:** (per month)

- up to 200/200 Mbps \$399.99
- up to 150/150 Mbps \$299.99
- up to 100/100 Mbps \$249.99
- up to 50/50 Mbps \$199.99
- up to 30/30 Mbps \$149.99
- up to 25/25 Mbps \$124.99

## **Business Fixed Wireless Contract and set up/Installation Prices:** (one time)

- 5-Year \$49.99
- 4-Year \$99.99
- 3-Year \$149.99
- 2-Year \$249.99
- 1-Year \$349.99

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Business Fixed Wireless set up, and installation prices depend on the chosen contract year. Business fixed wireless provides dedicated speed to the company. Equipment control fee is \$20 per month. Static IP addresses are available upon request for an additional cost.

## Residential Fixed Wireless: (per month)

- up to 150/50 Mbps \$199.99\*
- up to 100/20 Mbps \$149.99\*
- up to 50/10 Mbps \$119.99\*
- up to 30/7 Mbps \$89.99\*
- up to 25/3 Mbps \$79.99\*

*\*2-year contract price*

Residential Fixed Wireless plans are with either a 2-year contract or a month-to-month plan. Month-to-month plans are \$10 per month more. Equipment control fee is \$12 per month. Fiber set up, and installation price is \$350.

*Additional information:* A standard install includes 40 ft of CAT VI and does not require a pole and is \$600.00. More complex engineering solutions may consist of poles unto 15 ft in length, various tripod heights, fiber, longer CAT VI and in rare cases can range up to approximately \$1200 where service is available.

The grant provides the infrastructure to provide this service. Specialty engineering is available for a complete in-house provision such as smart homes for \$100 hour. The average time for a sophisticated engineering service is 2.3 hours. Travel time is excluded from all work estimates and is not charged.

9. 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. Also describe specific advantages of using this technology. Provide a detailed explanation on how this information was compiled and source(s). For wireless projects, provide a propagation map including the proposed project. Label Map: Attachment 5 – Propagation Map Wireless Project

## Answer:

Please refer to the attached wireless propagation maps in attachment 5, which shows coverage area and speeds for the proposed service areas and the network design is also attached.

KGI has two primary Towers (Dahlgren District and Shiloh District in King George, VA) that will provide initial signal and system redundancy to ensure 99.9% reliability of the network. Leased dark fiber from Verizon provides 10 GBS of bandwidth. Additionally, 10 GBS of dark fiber from Verizon is available for KGI Communications (Silver Verizon Partner) at our Crown Castle Tower in Caledon Rd in Kin George, VA and from there, 2 GB will be

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sent to Aquia Landing pole using 11 GHz license. Additionally, the Crown Castle tower in Caledon Road has redundancy from Dahlgren and Shiloh towers in King George, VA in case of emergency or signal loss. This infrastructure is expandable, if needed, up to 100 GB.

## **Aquia Landing/Widewater:**

Aquia Landing to Widewater will include another 11 GHz Point to Point (PTP) license, and redundancy will be utilizing 24 GHz.

Within Widewater, KGI will be deploying hybrid fiber with wireless on Dominion poles. Each Dominion pole will have hybrid fiber to connect all small cell stations in Widewater (streets listed in Section 1). The stations operate in 60 GHz, 5 GHz, and 2.4 GHz. As an option, Fiber to the home will be available for added costs if the customer prefers wired service.

## **Aquia Creek Rd:**

Aquia Landing to Aquia Bay Marina will utilize a 24 GHz signal. From the marina, along Aquia Creek Road, each Dominion pole will have hybrid fiber to connect all small cell stations on Aquia Creek Road. The stations operate in 60 GHz, 5 GHz, and 2.4 GHz. Each station supports 10 GB.

## **For Marlborough Point:**

A signal from KGI's Caledon Tower to KGI's proposed 140' Mongeon Tower using 11 GHz will provide 900 MHz, 5.8 GHz, and 3.65 GHz frequencies. KGI has the license for the 3.65 frequency. The 900 MHz and the 3.65 GHz will help KGI to penetrate this area for those who have foliage density and where no one can provide service to them.

With the establishment of three new antenna locations over 50 square miles will now be covered where NO signal existed before due to the topographical challenges of the hills and valleys and the distance between homes in these primarily rural areas of Stafford and King George County. The tallest antenna will be a 140 ft on 2770 Brooke Road, well below FAA regulations and using frequencies already licensed. Also, a 900MHz signal will be used for use in the roughest terrain to penetrate foliage and trees better.

## **King George County:**

From the Mongeon Tower, KGI will provide service to King George waterfront. KGI will use 5.8 GHz to provide line-of-sight service to those residents.

## **10. Project Readiness**

What is the current state of project development (e.g. planning, preliminary engineering, identifying easements/permits, final design, etc.)? Prepare a detailed project timeline or construction schedule which identifies specific tasks, staff, contractor(s) responsible, collection of data, etc., and estimated start and completion dates.

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Provide any Memorandums of Understanding (MOUs) or Memorandums of Agreement (MOAs) (drafts are allowable), letters of support, etc. The timeline should include all activities being completed within 12 months of contract execution with DHCD. Label Attachments: Attachment 6 – Timeline/Project Management Plan; Attachment 7 – Relationship between Applicant/Co-Applicant; Attachment 8 – Letters of Support;

- i. If the partnership is formalized in a written agreement, provide a copy of that agreement.
- ii. If the partnership has not been formalized, provide a short description of the project management role, financial commitment, or other contribution to the project for the applicant, co-applicant, and any additional partners.
- iii. If applicant is not a locality(s) in which the project will occur, please provide a letter of support from that locality.

**Answer:**

KGI follows Project Management Institute (PMI) and the Society for American Value Engineering (SAVE) practices and as such our work is planned and executed in 5 phases: Design, Implementation, Testing, Go-Live, and Operations/Maintenance. During the design phase, all engineering and material cost estimates are validated and completed and include contingencies for variations in material substitutions and shipping costs. Costs and lead times for permits are also included. The design phase is complete. Implementation is phased to provide business solutions first as they have the most significant infrastructure needs, followed by logical residential services. The longest lead time is Stafford County's permitting process for tower placement, which requires a conditional use permit, which can take up to six months. It is anticipated that with the partnership of Stafford County, the permits for the pole and tower installation will be completed in four months. While this is occurring, if any residents require emergency connections, temporary lower quality service can be provided but is not preferred by our company.

- i. The copy of the lease agreement for the tower in Marlborough Point (see Mongeon Tower, LLC Lease Agreement is part of attachment 1)
- ii. Project management role is to coordinate all vendors and send the VATI award information to them so they can get started with the proposals. KGI's Project Manager has already spoken with all vendors letting them know of the possibility that this project could be awarded. In addition, the Project Manager has been working with Stafford County Liaison regarding the permits for the Aquia Landing pole and Mongeon tower. KGI has the Dominion Pole agreement, which will be signed by KGI if awarded the VATI grant. A copy of the estimate from the fiber installation company is attached for Widewater and Aquia Creek Rd., which will be used to connect small cell and fiber equipment on poles. KGI has vendors ready to proceed if the grant is awarded. They only require a copy of the award that shows VATI money for projects. Stafford County Economic Development has committed \$50,000.00 if awarded.
- iii. Letter from Aquia Bay Marina, a copy of the petition from Widewater residents and a copy of the petition from Aquia Creek Rd residents, are attached.
- iv. Various letters of support

11. Matching funds: Provide a description of the matching funds the applicant and co-applicant will invest in the proposed project (VATI funding cannot exceed 80 percent of total project cost). The Funding Sources Table must

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be completed. Label Attachments: Attachment 9 - Documentation of Match Funding; Attachment 10 – Funding Sources Table;

i. For each element of matching funds in the description, indicate the type of match (e.g. cash, salary expense, or in-kind contribution).

ii. Identify whether the applicant or co-applicant is responsible for providing each element of the proposed matching funds.

iii. Include copies of vendor quotes or documented cost estimates supporting the proposed budget.

**Answer:**

The total project cost is: \$1,229,656.00

i. Cash, salary expense, or in-kind contribution shown in parentheses; and ii. Applicant/Co-Applicant responsibilities for providing each element of the proposed matching funds:

In-kind Contributions:

**KGI (co-applicant) Contributions:**

- Mongeon Tower LLC discounted lease price for a 5-yr period (including 3% yearly increase) - \$41,411.52\* (in-kind)
- Free Fiber to the Home (FTTH) monthly internet for five years: \$190 per month x 60 months = \$11,400.00 (in-kind)
- Free set up and installation of fiber Internet to Mongeon tower property owner - \$1,060.00 (in-kind)
- Tower installation - \$30,000.00 (in-kind, mixed with salary)
- Residential Discount \$211 per house (262 Service Units) - \$55,282 (in-kind)
  
- System engineering - \$15,000 (in-kind)
- Residential Installation Discount 346 Service Units @ \$211 = \$73,006 (in-kind)
- Performance Bond (3%) - \$6,200.00 (cash to insurance co.)
  
- System Engineering - \$15,000 (in-kind)
- Residential Installation Discount 119 service units X \$211 = \$25,109 (in-kind)
- Aquia Bay Marina Lease - \$18,000 (in-kind)

*\*Standard Property Tower Value: \$850/month, 5 year contract is the standard commercial timeline for these type of contracts w/ 3% yearly increases.*

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## Stafford County (applicant) Contributions.

- GIS Mapping Services \$3,500 (salary)
- Tower Permit and Engineering Fees \$24,483 (Subject to Board Approval)
- Project Management/Permit-Planning Liaison Services \$10,000 (salary)
- Site Plan, Comp Plan Review
- Conditional Use Permit
- Comp Plan Review - requires approval by Planning Commission (PC) after a public hearing.
- CUP - Requires public hearings with PC and Board of Supervisors - BOS makes a final decision.
- Building Permit - Commercial Change Application
- Aquia Landing Property Lease (in kind): \$300/mo for 5 yrs includes 3% yearly increase = \$19,113 (subject to Board approval)
- EDA Contribution: \$50,000

iii. Vendor quotes and documented cost estimates supporting the proposed budget:

### Widewater/Aquia Landing:

- Express-tek: \$87,426.25
- Intelpath License Filing Fee: \$3,540.00
- DoubleRadius #257445: \$55,357.98
- DoubleRadius #system infrastructure quote: \$177,279.47
- DoubleRadius #272209: \$33,352.74
- Dominion Pole Non-wireless Leases x 5 yrs: \$35,000.00
- Dominion Pole Antenna Leases x 5 yrs: \$31,050.00
- Surety Bond for Dominion: \$1,575.00
- DDB Unlimited: \$4,475.00
- Few Oaks Farm LLC: \$3,800.00
- 5% Contingency: \$21,642.00
- CRC Contracting: \$15,000 (in-kind)
- Res Install Disc: \$73,006.00 (in-kind)
- Performance Bond: \$6,200.00 (in-kind)
- Widewater State Park - 1yr PTP connection: \$4,000.00 (in-kind)
- Aquia Landing Connection: \$1,500.00 (in-kind)

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- Aquia Landing Property Lease (5 yrs): \$19,113 (in-kind)

## **Aquia Creek Rd:**

- Express-tek: \$87,363.75
- DoubleRadius #272214: \$16,100.37
- DoubleRadius #272209: \$11,117.58
- DoubleRadius #system infrastructure quote: \$90,945.99
- Dominion Pole Non-wireless Lease x 5yrs: \$17,500.00
- Dominion Pole Antenna Lease x 5 yrs: \$13,800.00
- Surety Bond Dominion: \$939.00
- 5% Contingency: \$11,888.31
- CRC Contracting: \$15,000 (in-kind)
- Res Install Disc: \$25,109 (in-kind)
- Aquia Bay Marina Lease: \$19,113.00 (in-kind)

## **Marlborough Point and King George:**

- DoubleRadius #system infrastructure quote: \$106,618.37
- Talley #203468: \$20,215.51
- Talley #961069: \$18,474.39
- Talley #204954: \$853.98
- Tower Land Lease x 5 yrs: \$12,742.08
- Afterimage GIS: \$550.00
- CRC Contracting: \$2,760.00
- 5% Contingency: \$8,111.00
- CRC Contracting: \$30,000 (in-kind)
- Res Install Disc: \$55,282.00 (in-kind)
- Mongeon FTTH Disc: \$11,400.00 (in-kind)
- Mongeon Disc Lease x 5 yrs: \$41,411.52 (in-kind)
- Mongeon Tower install fiber: \$1,060.00 (in-kind)

## **Stafford County In-kind:**

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- GIS Mapping Services: \$3,500.00
- Tower Permit and Engineering Fees: \$24,483.00
- Liaison Services: \$10,000.00

## **Economic Development Authority In-kind:**

- \$50,000.00

Total Project: \$1,229,656

Non-County In-kind: \$298,082

Stafford County In-kind: \$107,096

VATI Request: \$874,478

Match: 33%

Cost per Residential Service Units: \$1,203

12. Applicant and Co-Applicant: A description of the public-private partnership involved in the project. Detail the local government assistance: Local government co-applicants should demonstrate assistance to project that will lower overall cost and further assist in the timely completion of construction, including assistance with permits, rights of way, easements, and other issues that may hinder or delay timely construction and increase cost. Provide detail if this project includes additional partners such as municipal providers, middle-mile providers, or investor-owned utilities

### **Answer:**

Stafford County Board of Supervisors approved this VATI grant application to partner with KGI Communications, LLC. The County will expedite permits and expedite approval of engineering plans, GIS mapping services and conditional use permits. The County may be able to waive the conditional use permit fee and engineering for the proposed Mongeon Tower. Stafford County Economic Development (EDA) will contribute \$50,000 if the grant is

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awarded.

KGI will hire a sub-contractor, ExpressTek for installing fiber in Widewater and Aquia Creek Rd. The telephone poles used for this project will be leased from Dominion Power.

13. Identify key individuals, including name and title, who will be responsible for the management of the project. Provide a concise description of their role and responsibilities for the project. Present this information in table format.

**Answer:**

Juan Marte: CEO KGI and IT Engineer

Michele Wido: President KGI and Project Manager

Michael Q. Cannon: Chief Technology Officer and Stafford County Liaison.

**14. Project Budget and Cost Appropriateness**

Applicants shall provide a detailed budget as to how the grant funds will be utilized, including an itemization of equipment and construction costs and a justification of proposed expenses. Expenses should be substantiated by clear cost estimates. Label Attachment: Attachment 11 – Derivation of Costs; Attachment 12 - Documentation of Supporting Costs; Attachment 13 – Supporting Documentation of Cost Estimates.

**Answer:**

Below is a detailed budget for three project areas: Widewater/Aquia Landing, Aquia Creek Rd, and Marlborough Point/King George.

**Widewater/Aquia Landing:**

- Express-tek: \$87,426.25
- Intelpath License Filing Fee: \$3,540.00
- DoubleRadius #257445: \$55,357.98
- DoubleRadius #system infrastructure quote: \$177,279.47
- DoubleRadius #272209: \$33,352.74
- Dominion Pole Non-wireless Leases x 5 yrs: \$35,000.00
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- DDB Unlimited: \$4,475.00
- Few Oaks Farm LLC: \$3,800.00
- 5% Contingency: \$21,642.00
- CRC Contracting: \$15,000 (in-kind)
- Res Install Disc: \$73,006.00 (in-kind)

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- Performance Bond: \$6,200.00 (in-kind)
- Widewater State Park - 1yr PTP connection: \$4,000.00 (in-kind)
- Aquia Landing Connection: \$1,500.00 (in-kind)
- Aquia Landing Property Lease (5 yrs): \$19,113 (in-kind)

## **Aquia Creek Rd:**

- Express-tek: \$87,363.75
- DoubleRadius #272214: \$16,100.37
- DoubleRadius #272209: \$11,117.58
- DoubleRadius #system infrastructure quote: \$90,945.99
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- Surety Bond Dominion: \$939.00
- 5% Contingency: \$11,888.31
- CRC Contracting: \$15,000 (in-kind)
- Res Install Disc: \$25,109 (in-kind)
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## **Marlborough Point and King George:**

- DoubleRadius #system infrastructure quote: \$106,618.37
- Talley #203468: \$20,215.51
- Talley #961069: \$18,474.39
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- Res Install Disc: \$55,282.00 (in-kind)
- Mongeon FTTH Disc: \$11,400.00 (in-kind)
- Mongeon Disc Lease x 5 yrs: \$41,411.52 (in-kind)
- Mongeon Tower install fiber: \$1,060.00 (in-kind)

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## Stafford County In-kind:

- GIS Mapping Services: \$3,500.00
- Tower Permit and Engineering Fees: \$24,483.00
- Liaison Services: \$10,000.00

## Economic Development Authority In-kind:

- \$50,000.00

Total Project: \$1,229,656

Non-County In-kind: \$298,082

Stafford County In-kind: \$107,096

VATI Request: \$874,478

Match: 33%

Cost per Residential Service Units: \$1,203

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. Finally, the three component scores are averaged together and converted to a 30-point scale to form a composite score. Please provide the following three pieces of information:

- a. Total State funding requested / Total Project cost
- b. Number of serviceable units
- c. Highest residential speed available

### Answer:

- a. Total State funding requested: \$874,478 / Total Project cost: \$1,229,656.00
- b. Number of serviceable units: 727
- c. Highest residential speed available: 500 Mbps

16. A brief description of applicant and co-applicant's history or experience with managing grants and constructing

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broadband communication facilities in the Commonwealth of Virginia and elsewhere.

**Answer:**

Stafford County manages grants from the Commonwealth and the Federal Government on an ongoing basis. Stafford County has received numerous grants from a variety of Virginia agencies and has a detailed process to review grant applications and manages current grants. Additionally, Stafford County grants are routinely audited for compliance with state and federal regulations. In 2018-19, Stafford County and KGI Communications partnered for the VATI Broadband Grant.

KGI Communications has significant experience deploying wireless broadband and has been providing high-speed internet in King George County since 2017. KGI installed equipment on three communication towers located in Shiloh, Dahlgren, and James Madison districts. KGI's construction company is CRC Contracting. KGI is a 100% wholly-owned subsidiary of CRC. KGI's climbers are ENSA and Browz certified. KGI uses multiple frequencies, including 3.65 GHz, 5.8 GHz, and 900 MHz. In addition, KGI's CEO has been providing fiber to the home (FTTH) and has a 20-year contract with the Dominican Republic government to offer in the CIBAO region.

**17. Commonwealth Priorities**

Additional points will be awarded to proposed projects that reflect Commonwealth priorities. Please describe if the project fits into a larger locality or regional universal broadband plan.

**Answer:**

Stafford County in conjunction with its Telecommunications Commission identified priorities within the County where there was the most considerable number of unserved residences and businesses within the County. The County issued an RFEI to target these areas and seek a partner to apply for this grant opportunity. KGI responded with a proposal that addresses four areas: Widewater, Aquia Landing, Marlborough Point, and Aquia Creek Road within the County and one area in King George County.

As a result of installing high-speed internet in the Marlborough Point area, KGI will be able to provide internet to the homes on the water in King George County. Those areas include Belvedere Beach, Waugh Point, Whipsawsons Point, Passapatanzy Creek, White Fox Lane, Chatterton Ln, and Fitzhugh Ln. See the attachment 16, King George County Broadband Conceptual RFP, which shows the RFP issued by King George County showing the need for broadband in the unserved areas of King George County and in particular the areas proposed for this grant application. This move helps demonstrate the regional approach taken with this grant request and the need for broadband that extends beyond Stafford County's borders.

**18. Additional Information**

Any other equitable factor that the applicant desires to include. Applicants are limited to four additional attachments. Label Additional Attachments as:

- a. Attachment 14 – Two most recent Form 477 submitted to the FCC or equivalent
- b. Attachment 15 – Copy of Public Notice
- c. Attachment 16 – XXXXXXXX

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d. Attachment 17 – XXXXXXXX

e. Attachment 18 – XXXXXXXX

f. Attachment 19 – XXXXXXXX

**Answer:**

Attachment 16 is the King George County RFP, which references their broadband study and the unserved areas in the County, including the ones obtained in this VATI grant application.

Attachment 17 is the Stafford County VATI Grant Story, which details the need and the process the County went through leading up to this application

Attachment 18 is KGI's monthly service pricing packages for fixed wireless and FTTH for both residential and business customers

Attachment 19 is the Summary of Costs by Proposed Service Area including number of homes passed, cost/home passed, and VATI request and match amounts

**Attachments:**

Map(s) of project area, including proposed infrastructure

Attachment1ProjectAreaMap830201994120.pdf

Map(s) or schematic of existing broadband providers (inventory of existing assets)

Attachment2ExistingProviderMap830201994630.pdf

Documentation that proposed project area is not designated for Connect America Funding (CAF)

Attachment3DocumentationonCAFFundingArea830201920804.pdf

Documentation that proposed project area is unserved based on VATI criteria

Attachment4DocumentationUnservedAreaVATICriteria830201995453.pdf

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Propagation Map if Wireless Project

Attachment5PropogationMapWirelessProject830201995805.pdf

Project Management Plan

Attachment6TimelineProjectManagementPlan8302019100337.pdf

Documentation of relationship between applicant and co-applicant (formal or informal)

Attachment7RelationshipbetweenApplicantCoApplicant8302019100448.pdf

Letters of Support

Attachment8LettersofSupport830201940051.pdf

Documentation for in-kind contributions, including value(s)

Attachment9DocumentationofMatchFunding8302019100741.pdf

Funding Sources Table

Attachment10FundingSourcesTable8302019102417.docx

Derivation of Cost (Project Budget)

Attachment11DerivationofCost8302019103011.pdf

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

Attachment12DocumentationofSupportingCosts829201975958.pdf

Supporting documentation for costs estimates

Attachment13SupportingDocumentsofCostEstimates829201980036.pdf

Two most recent Form 477 submitted to FCC

Attachment14TwomostrecentForm477submittedtotheFCCCorequivalent8302019103309.pdf

Copy of Public Notice

Attachment15CopyofPublicNotice8302019103407.pdf

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Optional

Attachment16KingGeorgeCountyBROADBANDCONCEPTUALRFP828201913302.pdf

Optional

Attachment17StaffordCountyVATIGrantstory8302019103458.pdf

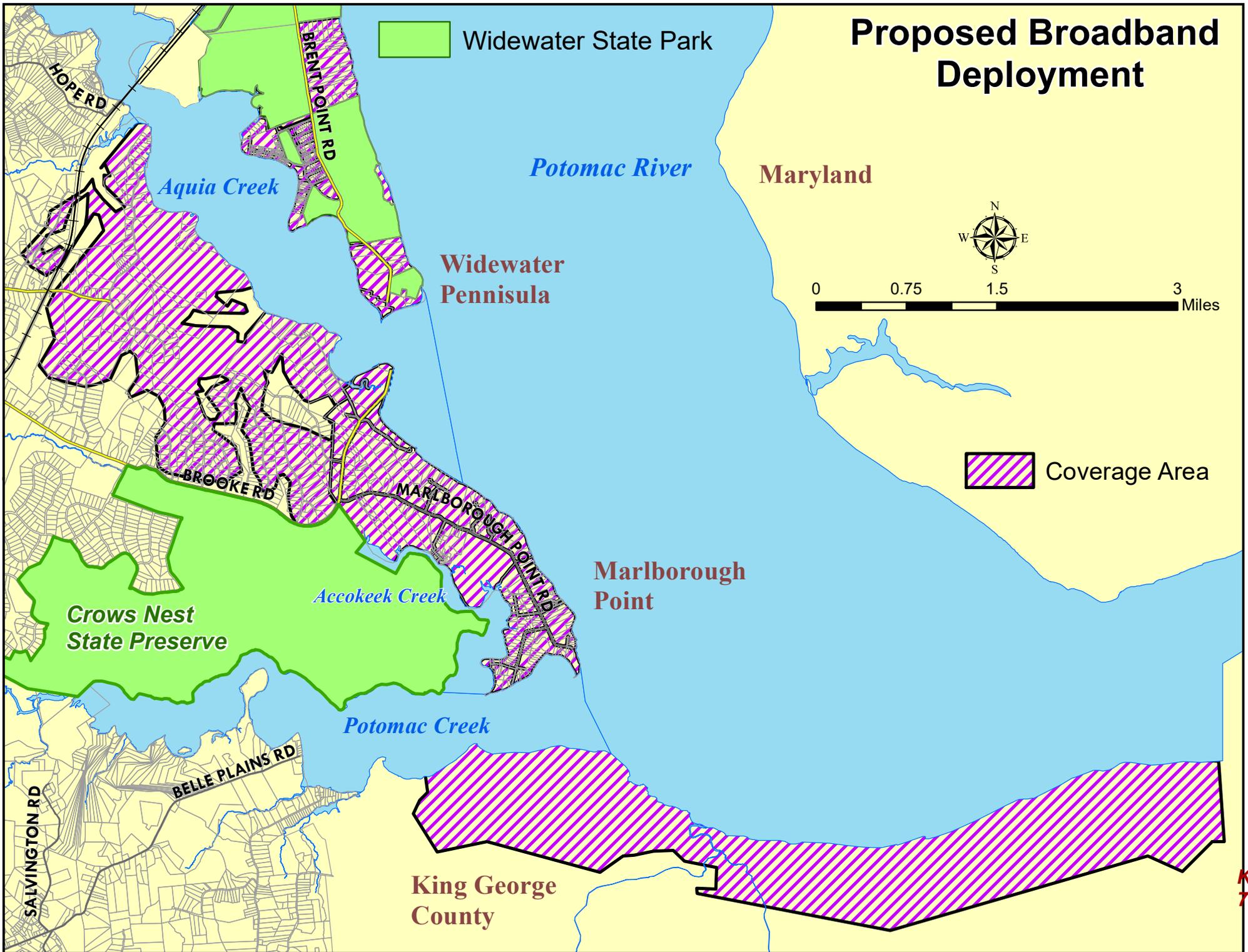
Optional

Attachment18KGI Monthly Sevice Pricing Packages830201923241.pdf

Optional

Attachment19KGIStaffordCostsbyProposedServiceAreaSummary830201923256.pdf

# Proposed Broadband Deployment



Widewater State Park

Potomac River

Maryland

Widewater Peninsula



0 0.75 1.5 3 Miles

Coverage Area

Marlborough Point

Crows Nest State Preserve

Accokeek Creek

Potomac Creek

King George County

KGI  
7.5 M

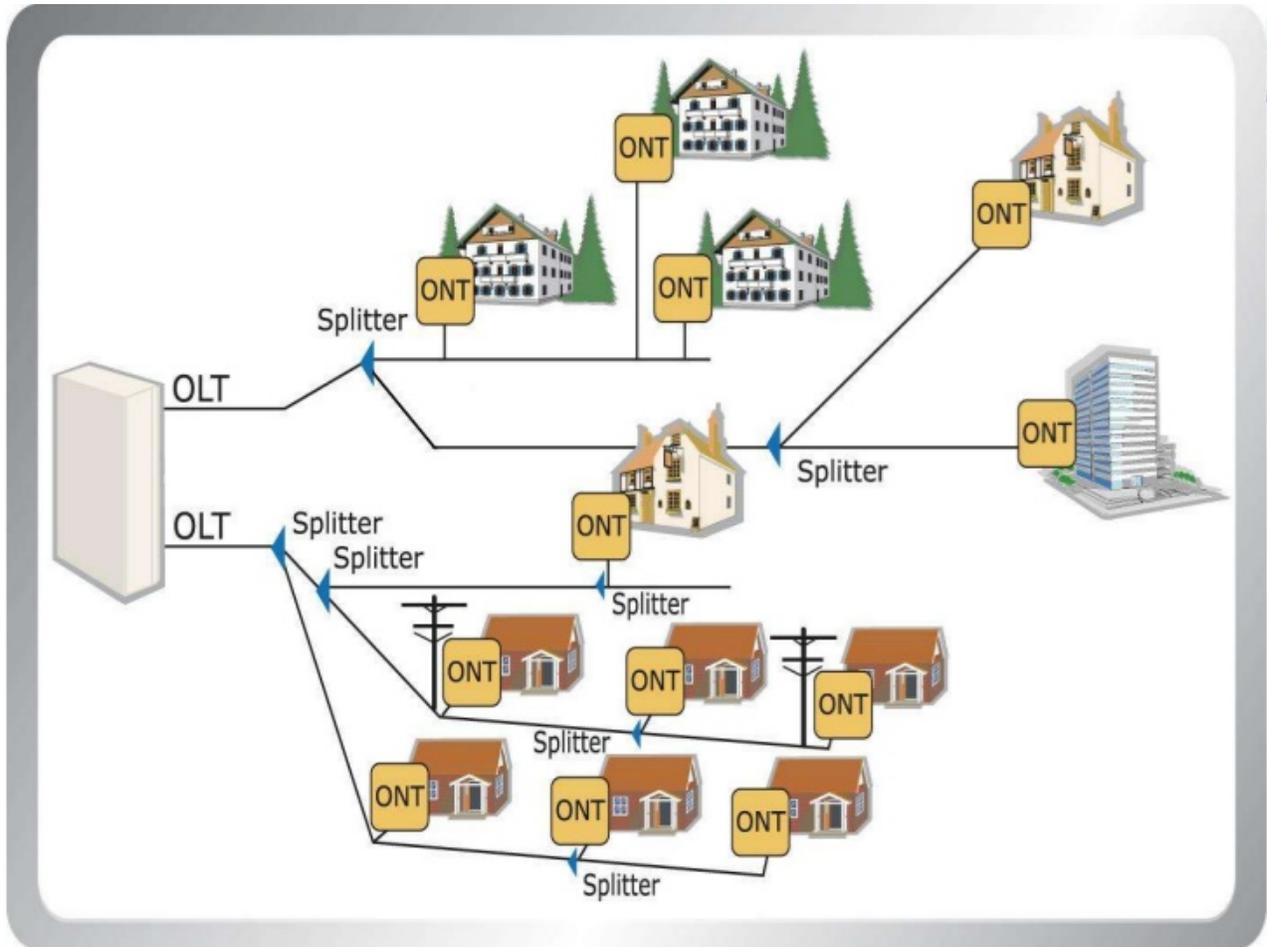
# FIXED WIRELESS DESIGN

Service Areas: Marlborough Point, Aquia Landing, Aquia Creek Rd, Widewater 2, King George



# FIBER TO THE HOME (FTTH)

Service Area: Widewater 1



## SITE LEASE AGREEMENT

THIS SITE LEASE AGREEMENT (“Agreement”) is entered into as of August 13, 2019 (the “Effective Date”) by and between KGI Communications LLC (“Lessee”), a Virginia limited liability company, having an address at 4485 Danube Dr., Suite 8A, King George, Virginia 22485, and Mongeon Tower LLC, having an address at 2770 Brooke Road, Stafford, Virginia 22554 (“Lessor”). Lessee and Lessor may be referred to in this Agreement individually as a “Party” or collectively as the “Parties.”

### WITNESSETH:

WHEREAS, Lessee provides wireless internet access service (“WIAS”) to commercial and residential customers;

WHEREAS, Lessor owns, leases, licenses, operates or manages certain real property located at approximately 2770 Brooke Road, Stafford, Virginia 22554, as described in Exhibit A (the “Property”);

WHEREAS, Lessee desires to lease from Lessor, and Lessor desires to lease to Lessee, portions of the Property for the purpose of constructing, installing, operating, inspecting, maintaining, modifying, replacing and repairing fixtures and related equipment, including a suitable support structure (the “Tower”), associated antennas, equipment shelters or cabinets, fencing, back-up power and any other items Lessee, in its sole discretion, deems suitable for providing WIAS (“Equipment”), subject to the terms and conditions of this Agreement.

NOW THEREFORE, in consideration of the mutual promises of the Parties herein contained, and for good and valuable consideration the sufficiency of which the Parties hereby acknowledge, the Parties do hereby agree with each other as follows:

1. Description and Permitted Use of Premises. Lessor hereby leases to Lessee, and Lessee hereby leases from Lessor, a non-exclusive right to use the portion of the Property at approximately Latitude 38 degrees, 22 minutes, 41.79 seconds North, Longitude 77 degrees, 19 minutes, 07.95 seconds and the approximately surrounding approximately 112’ radius, together with access and utility easements, which shall be known as the Leased Premises and which is described in Exhibit A for the construction, installation, operation, inspection, maintenance, modification, replacement, repair and removal of the Tower and the Equipment and uses incidental thereto.

2. Term. The initial term of this Agreement shall be for a period of five (5) years, beginning on the date the Lessee begins installing Equipment on the Property (the “Commencement Date”). This Agreement shall automatically renew for additional five (5)-year terms unless terminated in writing by either Party at least 180 days prior to the end of the then existing term.. The initial term and any renewal term are referred to herein as the “Term.”

### 3. Consideration

(a) In consideration for Lessee’s use of the Property, Lessee will provide WIAS to Lessor free of charge during the Term of this Agreement with approximate speeds of up to 100 mbps upload and 100 mbps download. Lessor’s use of such WIAS shall otherwise be in accordance with Lessee’s Internet Service Provider Agreement and Acceptable Use Policy and other applicable laws and regulations. Lessee will also provide Lessor, at no cost to Lessor, with installation of a fiber connection from the Tower to Lessor’s residence.

(b) As additional consideration, during the Term of this Agreement, beginning on the Commencement Date, Lessee shall pay Lessor, or to such other person, firm or place as Lessor may, from time to time, designate in writing, a monthly rent (herein called "Rent") of Two Hundred and 00/100 Dollars (\$200.00) in U.S. dollars, payable in equal monthly installments by check, by wire transfer, or by other means as Lessee may elect, in advance on or before the fifth (5<sup>th</sup>) day of each month throughout the Term. If the Term commences on a day other than the first day of a calendar month or ends on a day other than the last day of a calendar month, the Rent for said partial month shall be prorated based on the actual number of days in that month. The Rent due under the Agreement shall increase on each anniversary of the Commencement Date by an amount equal to three percent (3.0%) of the then current Rent.

4. Subleases. Lessor hereby acknowledges and agrees that Lessee has the exclusive right to sublease, license, or grant a similar right of use of occupancy in the Tower to an unaffiliated third party not already a subtenant on the Property (each a "Future Subtenant") with the consent of or approval from Lessor. In addition to the Rent paid by Lessee to Lessor pursuant to this Agreement, if, after full execution of this Agreement, Lessee subleases, licenses or grants a similar right of use or occupancy in the Tower to a Future Subtenant, Lessee agrees to pay to Lessor two percent (2.0%) of the rental, license or similar payments actually received by Lessee from such Future Subtenant (excluding any reimbursement of taxes, construction costs, installation costs, revenue share reimbursement or other expenses incurred by Lessee) (the "Additional Rent") within thirty (30) days after receipt of said payments by Lessee. Lessee shall have no obligation for payment to Lessor of such share of rental, license or similar payments if not actually received by Lessee. Non-payment of such rental, license or other similar payment by a Future Subtenant shall not be an event of default under the Agreement. Lessee shall have sole discretion as to whether, and on what terms, to sublease, license or otherwise allow occupancy of the Tower and there shall be no express or implied obligation for Lessee to do so. Lessor acknowledges that Lessor shall have no recourse against Lessee as a result of the failure of payment or other obligation by a Future Subtenant.

5. Utilities. Lessee shall be responsible for securing all utilities, including electrical power, for its use in connection with the Equipment at the Tower, including, installation of a separate electrical meter. Lessee shall make such payments for utilities necessary for its operation in a timely manner. Lessor shall not be liable or responsible to Lessee in any manner because of interruption or suspension of utility service to the Equipment and Tower, unless any such interruption or suspension is the direct result of willful misconduct or gross negligence of Lessor. Lessor will fully cooperate with any utility company requesting an easement over, under and across the Property in order for the utility company to provide service to Lessee.

6. Taxes. Lessor shall be responsible for the payment of all taxes or assessments, if any, imposed on Lessor arising out of Lessee's occupation, use, improvement or placement of the Tower and Equipment on the Property; provided, however, Lessee agrees to reimburse Lessor for all such charges to the extent they are directly attributable to Lessee's occupation, use, improvement, or placement of the Tower and Equipment on the Property. Lessor shall provide written documentation of any such taxes or assessments along with proof of payment of same by Lessor. Lessor shall employ reasonable best efforts to provide to Lessee prior written notification of all such taxes or assessments, if any, which are to be charged, so as to provide Lessee the opportunity, to the extent permitted by law, to appear before the taxing authority and contest any such assessment. Lessee shall additionally promptly pay when due all personal property taxes on Lessee's Tower and Equipment and personal property on the Leased Premises and any other taxes payable by Lessee to the extent such taxes are billed and sent directly by the taxing authority to Lessee.

7. Maintenance and Operation of Equipment by Lessee. Lessee shall, at its own expense, maintain the Tower and the Equipment on or attached to the Property in a safe condition and in good repair and in a manner suitable to Lessor so as not to create a nuisance or materially hinder the enjoyment or the use of the Property.

8. Ownership. The Tower and any and all Equipment installed by Lessee shall remain Lessee's notwithstanding the fact that it may be affixed or attached to the realty or the Property, and shall, during the term of this Agreement, and upon termination or expiration thereof, belong to and be removable by Lessee. Lessee agrees that the Property shall not be damaged by Lessee's use and occupancy and that Lessee shall promptly make any repairs necessitated by Lessee's use and occupancy, removal of the Tower or Equipment, or otherwise, ordinary wear and tear excepted.

9. Repairs. Lessor shall use all reasonable precaution to prevent waste, damage or injury to the Tower and the Equipment, and other persons and property on the Property. Lessee, at its expense, shall be solely responsible for the operation, repair and maintenance of the Tower and the Equipment it places on the Property.

10. Modification. Lessee is permitted to update and add to the Tower and the Equipment and to make additions, alterations, modifications, and improvements thereto without Lessor's approval or consent..

11. Costs. All work for the construction, installation, maintenance, replacement, repair, operation, inspection, modification and removal of the Tower and the Equipment and uses incidental thereto shall be performed at Lessee's sole cost and expense.

12. Access to Premises. Lessor authorizes Lessee, its officers, agents, assigns, and employees access to the Property twenty-four (24) hours per day, seven (7) days per week for the purpose of constructing, installing, removing, operating, inspecting, maintaining, modifying and repairing the Tower and the Equipment. Lessor also grants Lessee, its officers, agents, assigns, and employees the right to enter the Property and conduct such studies, at Lessee's expense, as Lessee deems necessary to determine the Property's suitability for Lessee's Tower and Equipment, including but not limited to, surveys, soil tests, and environmental assessments. To the extent possible, Lessee will contact Lessor, in advance; of Lessee's requirement to enter the premises at an agreed time during normal business hours on normal business days and such consent by Lessor will not be unreasonably withheld. In the event of an emergency situation, access will be permitted at any time, subject to reasonable security, safety, and identification procedures required by Lessor and Lessee will attempt to notify Lessor and, absent direct contact, will post a notice of Lessee's visit by physical or electronic means.

13. Casualty or Condemnation. In the event of any damage to or destruction of or condemnation of the Property or any portion thereof, Lessee shall have the right, but not the obligation, to terminate this Agreement and all of its duties and obligations herein by giving written notice to Lessor after such damage, destruction, or condemnation, if Lessee determines that the Property is no longer adequate for it to continue its operations or any necessary repairs to the Property have not been completed or cannot be reasonably completed within ninety (90) days from the date of the damage. In the event of condemnation, unless Lessee is allowed by the condemning authorities to continue its operation on the Property, this Agreement shall be terminated as of the date title to the Property vests in the condemning authority or the date Lessee is required to cease its operation, whichever is earlier.

14. Default. Neither Lessor nor Lessee shall be deemed in default under this Agreement

until the non-defaulting Party has given the other Party written notice of any default thereunder. If such default is capable of cure, the defaulting party shall have fifteen (15) days with respect to monetary defaults, and thirty (30) days with respect to all other defaults; provided, however, that where a non-monetary default cannot reasonably be cured in such thirty (30) day period and if the defaulting party shall proceed promptly to cure the same within such thirty (30) day period and shall prosecute such curing with due diligence, the time for curing such default shall be extended for such period of time as may be deemed necessary to complete such curing, not to exceed sixty (60) days from the receipt of notice.

15. Expiration or Termination. Upon the expiration or termination of this Agreement, at Lessor's direction, Lessee will at its own cost remove the Tower and all its Equipment from the Property and restore the Property to its condition prior to installation, normal wear and tear notwithstanding, within ninety (90) days of the date of expiration or termination, unless both Parties agree, in writing, to transfer ownership of the Tower and the Equipment from Lessee to Lessor. Notwithstanding any provision contained in this Agreement, Lessee may, in its sole discretion, terminate this Agreement without further liability by providing prior thirty (30) days written notice to Lessor. This Agreement is contingent upon Lessee receiving financial assistance through the Virginia Telecommunications Initiative ("VATI") or other economic development financial assistance through a federal or state governmental entity to support costs incurred by Lessee associated with the construction and installation of the Tower and Equipment. In the event that Lessee is not granted or cannot obtain such financial assistance, Lessee shall notify Lessor and this Agreement shall be deemed to have been terminated as of the date Lessee provides such notice to Lessor.

16. Compliance with Laws. Lessee, at its expense, shall comply in all material respects with any and all applicable federal, state, and local orders, ordinances, rules, regulations, and laws, including but not limited to all Occupational Safety and Health Administration ("OSHA"), Federal Communications Commission ("FCC") and Federal Aviation Administration ("FAA") rules, in relation to any of its business, activities, or other operations conducted upon the Property. Lessee shall obtain all rights, licenses, permits, certificates, zoning and other approvals required for Lessee's use of the Property and pay, as they become due and payable, all fees, charges, taxes, and expenses associated therewith. Lessor shall cooperate with Lessee's efforts to obtain any permits or approvals that may be necessary to comply with the requirements of this Agreement; provided, however, Lessor shall not be required to expend any funds or undertake any liability or obligation in connection with such cooperation. Notwithstanding any provision in this Agreement, if Lessee is unable to obtain all such rights, licenses, permits, certificates and other approvals required from any governmental entity for Lessee's use of the Property, Lessee may terminate this Agreement by providing written notice to Lessor.

17. Interference. In the event Lessee's Equipment causes harmful interference to any communications equipment installed by Lessor or other tenants on the Property before the Effective Date, Lessee will take commercially reasonable steps to eliminate such harmful interference using accepted engineering practices. To the extent that Lessee is acting in good faith to eliminate such harmful interference, Lessor shall not terminate this Agreement.

If, after the Effective Date, Lessor receives a request from any other party to lease or use any portion of the Property for purposes of providing telecommunications, television or radio broadcast, satellite, information or data services, internet service, or other communications services, Lessor shall provide written notice of such request to Lessee within thirty (30) days of such request. Prior to granting any future request from any other party to lease or use any portion of the Property for such purposes, Lessor, at Lessee's request, will require the requesting party to

pay for an interference study to determine if the new requesting party's proposed operations will cause interference to Lessee's Equipment or operations.

Lessor agrees that it will not grant a future request from any other party to lease any portion of the Property for purposes of providing telecommunications, television or radio broadcast, satellite, information or data services, internet service, or other communications services if such party's use is reasonably anticipated to interfere with Lessor's Equipment or operations. Lessor agrees that it will require any party not existing at the Property as of the Effective Date of this Agreement to provide assurances that it will not interfere with Lessee's Equipment or operations.

In the event Lessor, its tenants or any subtenants install equipment after Effective Date of this Agreement and such equipment installed by Lessor or its tenants causes interference to Lessee's Equipment or operations, Lessor agrees to eliminate the interference, using accepted engineering practices, or to remove or relocate such equipment if the interference cannot be eliminated. Lessor agrees to cooperate reasonably with Lessee in eliminating any interference to Lessee's Equipment or operations caused by the operation of other equipment on the Property, including requesting the interfering operator to discontinue the operation of the Equipment causing the interference to Lessee's Equipment or operations until such time as the interference can be resolved.

#### 18. Sale of Property/Right of First Refusal.

(a) This Agreement does not prevent the sale or exchange of the Property by the Lessor. However, any transferee of Lessor's interest in the Property takes such interest subject to this Agreement. If Lessor transfers its interest in the Property, Lessor shall provide Lessee with a completed IRS Form W-9, or its equivalent, and other related paperwork to effect a transfer in Rent to the new Lessor.

(b) The Lessee's possession of the Leased Premises and the Lessee's rights and privileges under this Agreement, or any extensions or renewals thereof, shall not be diminished or interfered with by any subsequent mortgagee, lender or acquiring party and the Lessee's use and occupancy of the Leased Premises shall not be disturbed by any subsequent mortgagee, lender or acquiring party for any reason whatsoever during the Term or any extension or renewal thereof.

(c) If Lessor receives an offer from any person or entity that is directly or indirectly engaged in the business of owning, acquiring, operating, managing, investing in or leasing towers or other wireless telecommunications facilities (or is in the business of acquiring Lessor's interest in the Agreement) to purchase fee title, an easement, a lease, a license, or any other interest in the Property, or Lessor's interest in the Agreement, or an option for any of the foregoing, Lessor shall provide written notice to Lessee of said offer, and Lessee shall have a right of first refusal to acquire such interest on the same terms and conditions in the offer, excluding any terms or conditions which are (i) not imposed in good faith or (ii) directly or indirectly designed to defeat or undermine Lessee's possessory or economic interest in the Property. Lessor's notice shall include the prospective buyer's name, the purchase price and/or other consideration being offered, the other terms and conditions of the offer, the due diligence period, the proposed closing date and, if a portion of Lessor's parent parcel is to be sold, leased or otherwise conveyed, a description of said portion. If the Lessor's notice shall provide for a due diligence period of less than sixty (60) days, then the due diligence period shall be extended to be sixty (60) days from exercise of the right of first refusal and closing shall occur no earlier than fifteen days thereafter. If Lessee does not exercise its right of first refusal by written notice to Lessor given within thirty (30) days, Lessor may convey the property as described in the Lessor's notice. If Lessee declines to exercise its right of first refusal, then the Agreement shall continue in full force and effect and Lessee's right of first

refusal shall survive any such conveyance. Lessee shall have the right, at its sole discretion, to assign the right of first refusal to any person or entity, either separate from an assignment of the Agreement or as part of an assignment of the Agreement. Such assignment may occur either prior to or after Lessee's receipt of Lessor's notice and the assignment shall be effective upon written notice to Lessor.

19. Indemnification. Lessee shall indemnify, hold harmless, and defend Lessor (and its agents, employees, representatives, and contractors) against any and all claims, actions, damages, liabilities and expenses, including costs and reasonable attorneys' fees, by reason of damage to property or injury or death to persons, arising either directly or indirectly out of or caused by the installation, maintenance, presence, use or removal of the Equipment on the Property or Lessee's breach of this Agreement, unless such damage or injury shall be due to the negligent act or omission, or willful misconduct of Lessor, its employees, agents, or invitees. Lessor agrees to defend, indemnify and hold Lessee harmless from any and all costs (including reasonable attorneys' fees) and claims of liability or loss which directly or indirectly arise out of Lessor's occupancy of the Property or Lessor's breach of this Agreement excepting the negligent acts, omissions or willful misconduct of Lessee (and its agents, employees, representatives, and contractors).

20. Insurance and Liability. For the duration of this Agreement and any renewal period, Lessee shall carry general liability insurance with limits of not less than One Million and 00/100 dollars (\$1,000,000.00). In no event shall either party be liable to the other for any incidental, indirect, special, consequential, punitive or other damages, including but not limited to any loss of use, loss of business, or loss of profit arising out of this Agreement or any obligation thereunder. Nothing contained in this Agreement relieves either Party from liability for the gross negligence or willful misconduct of such Party or anyone acting under such Party's direction and control.

Lessee and Lessor shall each be responsible for maintaining any insurance covering their own property located on the Property; the lives and health of their respective agents, employees and invitees; damage or injury to another person or another person's property caused by the acts or omissions of their own agents, employees, or invitees; and any other business or liability insurance which each may deem necessary to protect their own interests.

21. Waiver of Subrogation. Lessee and Lessor each hereby waive and release any and all rights of recovery, claim, action, or causes of action, against the other, its agents, officers or employees, for any property loss or damage by reason of fire, the elements or any other cause which could be insured against under the terms of standard property, liability, fire and extended coverage insurance policies, regardless of cause or origin, including negligence of other party hereto, its agents, officers or employees, and each party covenants that no insurer shall hold any right of subrogation against such other party.

22. Hazardous Substances. Lessor represents and warrants that to the best of Lessor's actual knowledge, with no duty to investigate, the Property is free of Hazardous Substances, as defined herein below, as of the date of this Agreement, and, to the best of Lessor's actual knowledge with no duty to investigate, the Property has never been subject to any contamination or hazardous conditions resulting in any order, notice of violation, complaint, investigation, inquiry or similar communication of alleged or potential violation or remediation. Lessor and Lessee each represent and covenant to the other that neither will cause contamination of the Property in violation of any law by any Hazardous Substances brought in or upon the Property. Lessor and Lessee agree to indemnify and hold each other harmless, and to assume all duties, responsibilities, and liabilities at the sole cost and expense of the indemnifying party for payment of any penalties, sanctions, forfeitures, costs or damages to the extent arising from that party's breach of its obligations or

representations under this Section 22. "Hazardous Substances" shall mean any material, chemical, or waste identified as hazardous, toxic, or dangerous in any applicable federal, state, or local law or regulation.

23. Governing Law. This Agreement shall be interpreted and governed by the laws of Commonwealth of Virginia as to all matters, to which the parties agree to submit for all jurisdiction, including personal jurisdiction.

24. Successors and Assigns. Except as otherwise provided in this Agreement, all of the conditions, covenants, and agreements of this Agreement shall be binding upon and shall inure to the benefit of the parties hereto and their respective heirs, personal representative, successors and assigns. Lessee shall have the right at any time to assign this Agreement with thirty (30) days prior written notice to Lessor.

25. Entire Understanding. This Agreement contains the entire understanding of the parties as to the matters contained herein, and it shall not be altered, amended or modified except by a written notification executed by all of the parties hereto. This Agreement was fully negotiated between the parties, who had the opportunity to be represented by counsel of their own choosing. No presumption or construction shall be made against either party as the drafter of this Agreement.

26. Headings. The headings included herein are merely a matter of convenience and shall not be employed for the purpose of interpretation of the language contained herein.

27. Warranty of Signatories. Lessor and Lessee each warrant that the person signing below on its behalf possesses all actual and apparent authority to bind legally the party it claims to represent, for all purposes related to the performance in accord with the terms contained herein, and that such person possesses all authority, both actual and implied, to cause such party to enter into and perform under this Agreement for all purposes.

28. Counterparts. This Agreement may be executed in one or more counterparts, each of which shall be deemed an original and fully binding on the signatory in all respects, but all of which together shall constitute one and the same interpretation.

29. Force Majeure. Neither Party will be liable for any non-performance under this Agreement due to causes beyond its reasonable control that could not have been reasonably anticipated by the non-performing party and that cannot be reasonably avoided or overcome; provided that the non-performing Party gives the other Party prompt written notice of such cause, and, in any event, within fifteen (15) calendar days of its discovery.

30. Notices. All notices required under this Agreement shall be in writing and either (i) mailed by certified or registered mail, postage prepaid, return receipt requested; (ii) sent by express courier; (iii) sent by confirmed email; or (iv) hand delivered and addressed to:

For Lessor:  
Mongeon Tower LLC  
2770 Brooke Rd  
Stafford, VA 22485

For Lessee:  
KGI Communications LLC  
4495 Danube Dr Suite 8A

King George, VA 22485

A Party may change the address to which notices must be sent to it by providing written notice to the other Party pursuant to this Section 30.

This Agreement will allow Stafford County or Milestone to build a tower on the same property provided there is no radio interference, according to the provisions in Section 18 of this agreement, and as long as KGI Communications LLC is able to collocate all of KGI's equipment on their tower for either no lease cost or very low discounted lease cost.

IN WITNESS WHEREOF, Lessor (on behalf of itself and its successors) and Lessee have caused this SITE LEASE AGREEMENT to be executed by their respective authorized persons as of the dates written below.

**MONGEON TOWER LLC:**

Signed: MONGEON. Digitally signed by MONGEON.ANDRE  
ANDREW W.J.1368798432  
368798432 Date: 2019.08.16  
10:07:51 -04'00'  
By: \_\_\_\_\_  
(Print name)

Date: \_\_\_\_\_

**KGI COMMUNICATIONS LLC**

Signed: \_\_\_\_\_  
(signature)  
By: Juan Marte  
(Print name)

Title: CEO

Date: 8/17/2019

**MONGEON TOWER LLC:**

Signed: Carolina S. Mongeon  
(signature)  
By: Carolina Mongeon  
(Print name)  
Date: 8/16/2019



Mail Processing Center  
Federal Aviation Administration  
Southwest Regional Office  
Obstruction Evaluation Group  
10101 Hillwood Parkway  
Fort Worth, TX 76177

Aeronautical Study No.  
2018-AEA-14467-OE

Issued Date: 12/11/2018

Michele Wido  
KGI Communications LLC  
4485 Danube Dr Suite 8A  
King George, VA 22485

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Antenna Tower KGI Tower 6
Location:	Stafford, VA
Latitude:	38-22-41.79N NAD 83
Longitude:	77-19-07.95W
Heights:	140 feet site elevation (SE) 100 feet above ground level (AGL) 240 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 L Change 2.

This determination expires on 06/11/2020 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

**NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.**

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, effective 21 Nov 2007, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA. This determination includes all previously filed frequencies and power for this structure.

If construction or alteration is dismantled or destroyed, you must submit notice to the FAA within 5 days after the construction or alteration is dismantled or destroyed.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

A copy of this determination will be forwarded to the Federal Communications Commission (FCC) because the structure is subject to their licensing authority.

If we can be of further assistance, please contact our office at (817) 222-5922, or [debbie.cardenas@faa.gov](mailto:debbie.cardenas@faa.gov). On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2018-AEA-14467-OE.

**Signature Control No: 390508451-392012861**  
Debbie Cardenas  
Technician

( DNE )

Attachment(s)  
Frequency Data

cc: FCC

Frequency Data for ASN 2018-AEA-14467-OE

<b>LOW FREQUENCY</b>	<b>HIGH FREQUENCY</b>	<b>FREQUENCY UNIT</b>	<b>ERP</b>	<b>ERP UNIT</b>
5.8	5.8	GHz	26	dBm
11	11	GHz	33	dBm
900	900	MHz	25	dBm
3650	3700	MHz	30	dBm

# Stafford County General Coverage Map and Unserved Areas

Marine Corps  
Base Quantico

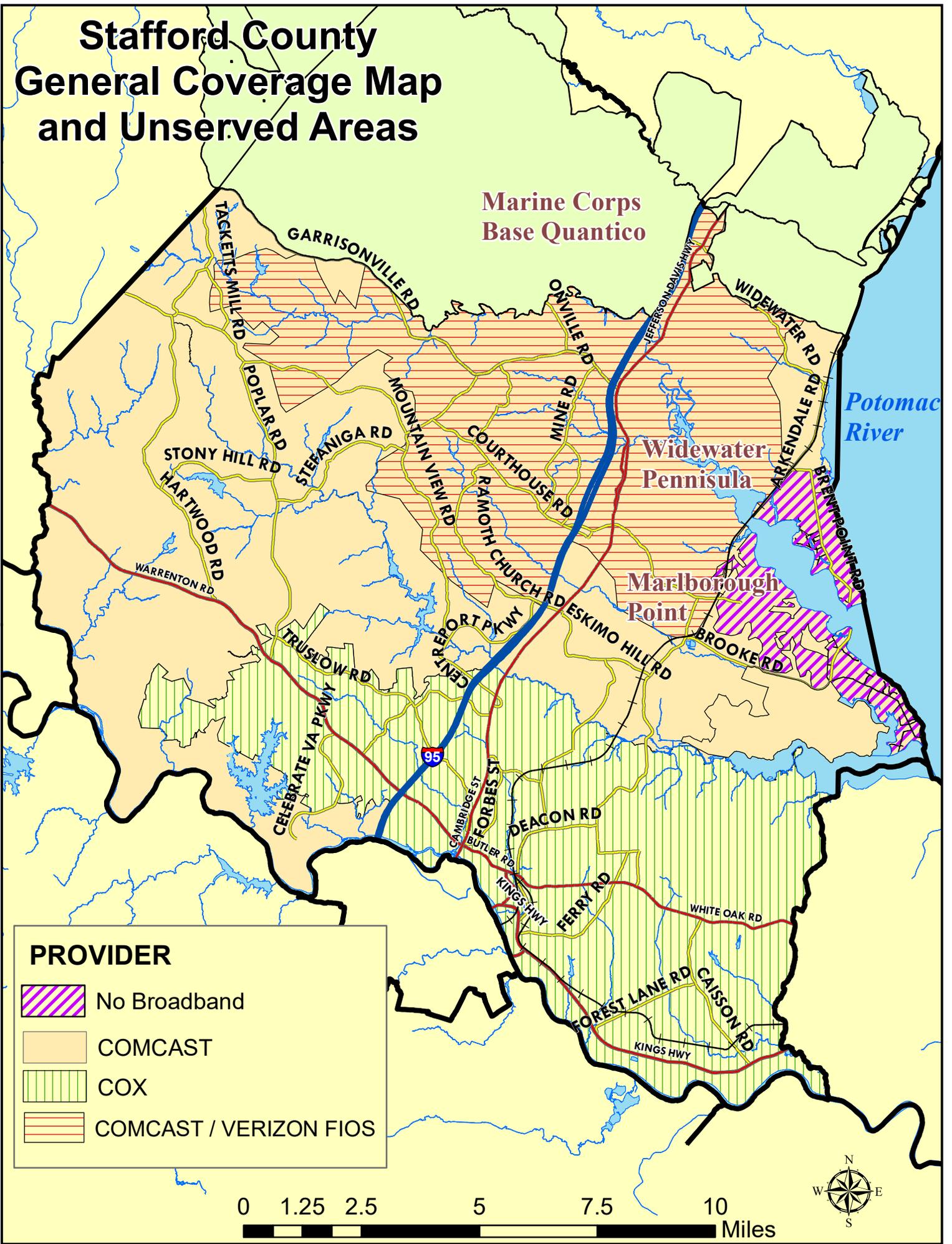
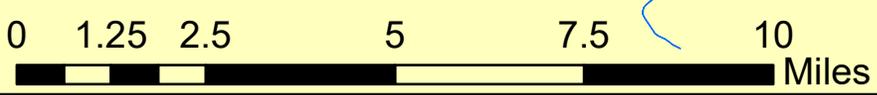
Widewater  
Peninsula

Marlborough  
Point

Potomac  
River

**PROVIDER**

-  No Broadband
-  COMCAST
-  COX
-  COMCAST / VERIZON FIOS



Gary F. Snellings, Chairman  
L. Mark Dudenhefer, Vice Chairman  
Meg Bohmke  
Jack R. Cavalier  
Thomas C. Coen  
Wendy E. Maurer  
Cindy C. Shelton

August 30, 2019

Thomas C. Foley  
County Administrator

To Whom it May Concern:

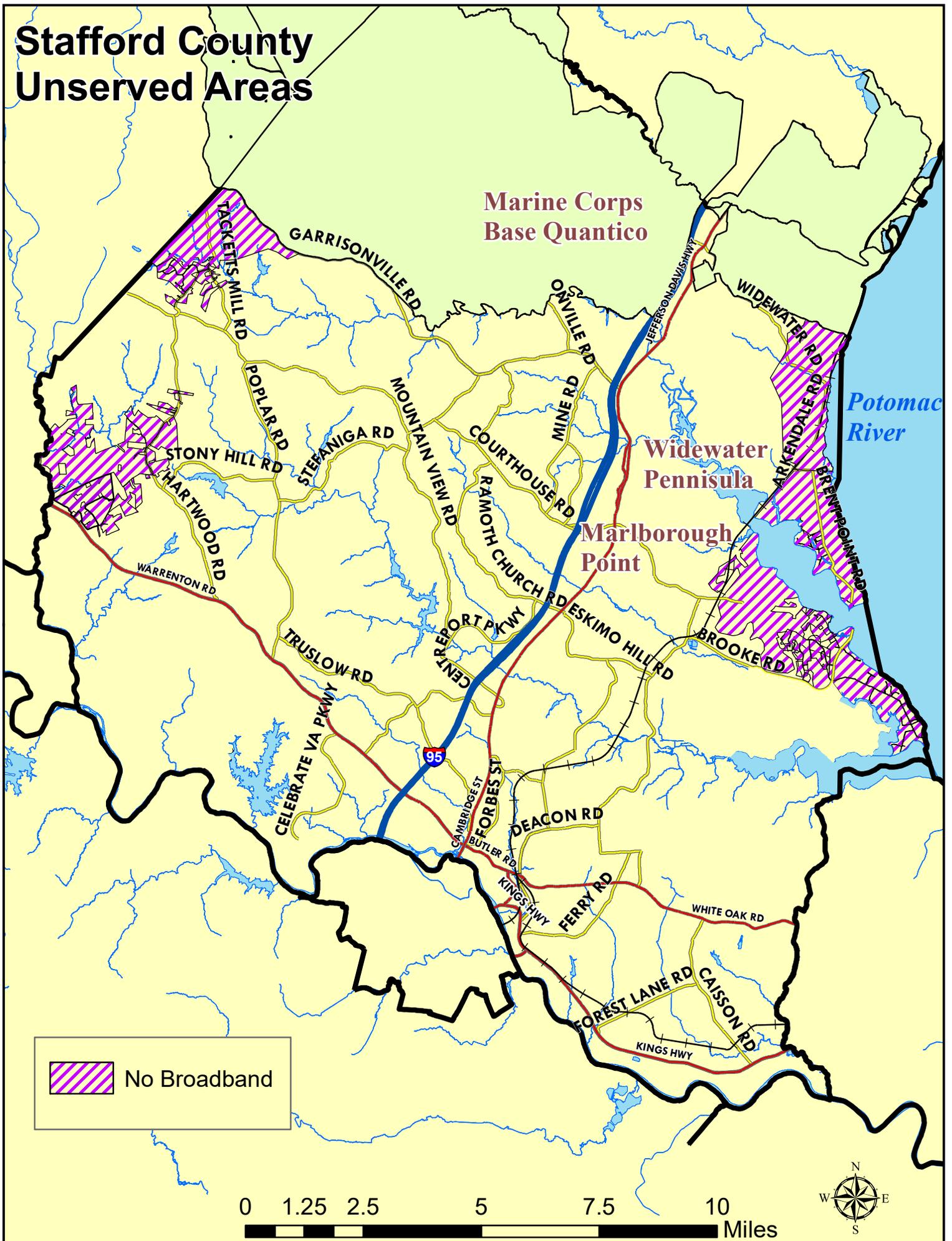
Stafford County has not applied for any CAF funding within any part of the County and KGI Communications, LLC has not either. I also confirmed with King George County that they have not applied for any CAF funding within their County as well.

Sincerely,



Michael Q. Cannon  
Chief Technology Officer

# Stafford County Unserved Areas



# Overall Propagation Map



**Broadband Speed**  
**D = Download, U = Upload**

	D = 100 - 500 Mbps
	U = 20 - 50 Mbps
	D = 50 - 200 Mbps
	U = 10 - 20 Mbps
	D = Up to 30 Mbps
	U = Up to 5 Mbps

Maryland

1 - Widewater

2 - Aquia  
Creek  
Rd

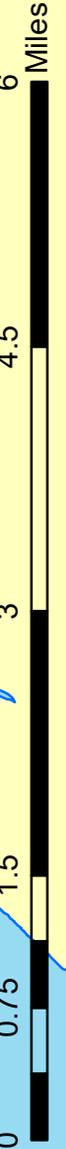
5 - Aquia Landing

3 - Marlborough  
Point

4 - King George  
County

King  
George  
County

Tower  
(Existing)



# 1 - Widewater

## Widewater 2

### Broadband Speed

D = Download, U = Upload

	D = Up to 100 Mbps
	U = Up to 20 Mbps
	D = Up to 50 Mbps
	U = Up to 10 Mbps
	D = Up to 30 Mbps
	U = Up to 5 Mbps

**Widewater 2  
Crown Castle  
Tower (K.G.)  
~ 9 Miles S.E.**



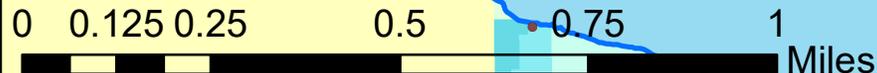
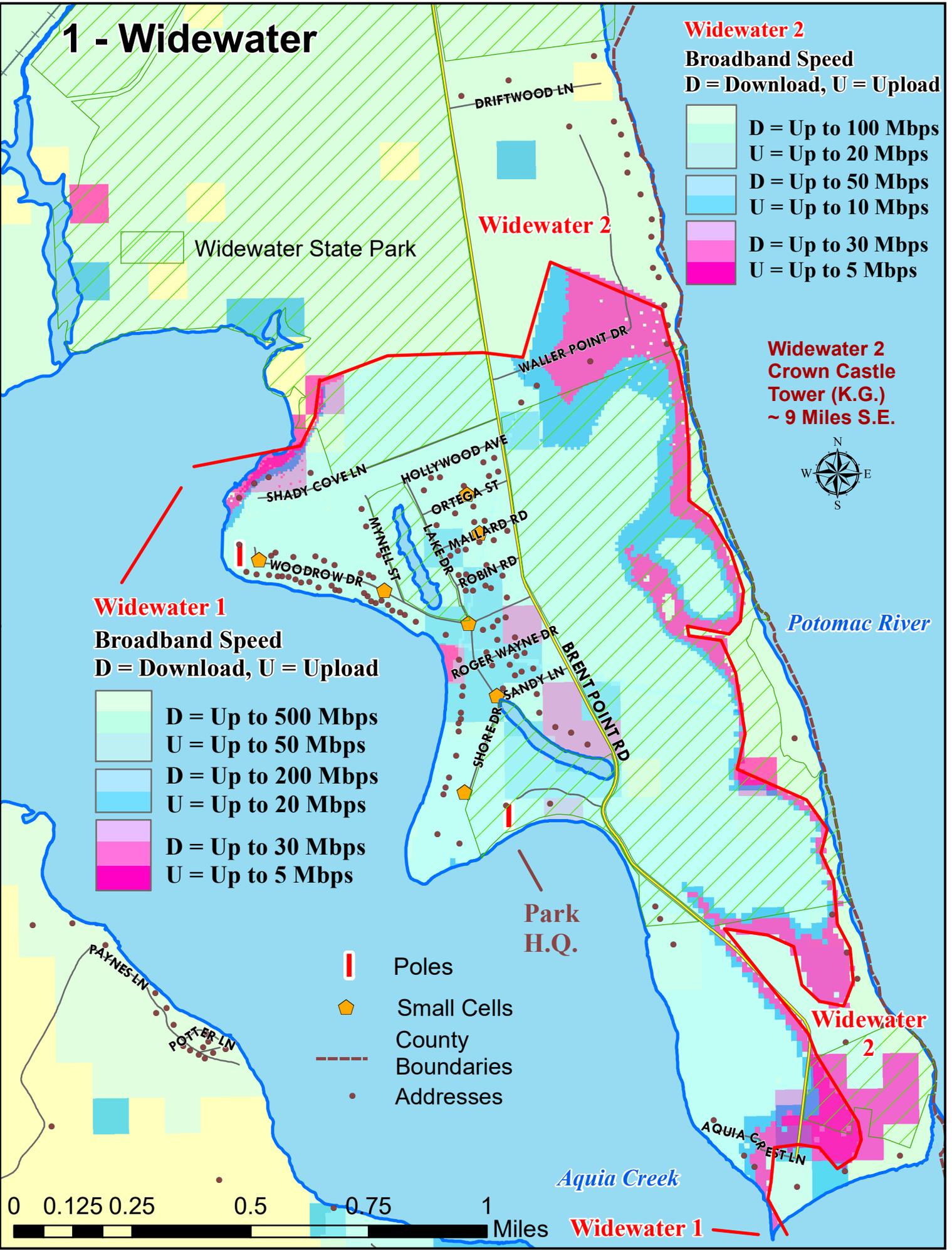
## Widewater 1

### Broadband Speed

D = Download, U = Upload

	D = Up to 500 Mbps
	U = Up to 50 Mbps
	D = Up to 200 Mbps
	U = Up to 20 Mbps
	D = Up to 30 Mbps
	U = Up to 5 Mbps

- Poles
- Small Cells
- County Boundaries
- Addresses



**Widewater 1**

**Widewater 2**

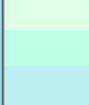
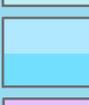
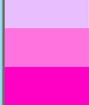
# 2 - Aquia Creek Rd

**Aquia Bay Marina**

**1 - Widewater**

*Aquia Creek*

**Broadband Speed**  
D = Download, U = Upload

	D = Up to 100 Mbps
	U = Up to 20 Mbps
	D = Up to 50 Mbps
	U = Up to 10 Mbps
	D = Up to 30 Mbps
	U = Up to 5 Mbps

-  Poles
-  Small Cells
-  County Boundaries
-  Addresses



JIB DR  
BRANDONS BLF

SUNRISE HAVEN LN

BRITTANY MANOR WAY

AQUIA CREEK RD

POTTER LN  
EVELYN LN

COURTHOUSE RD

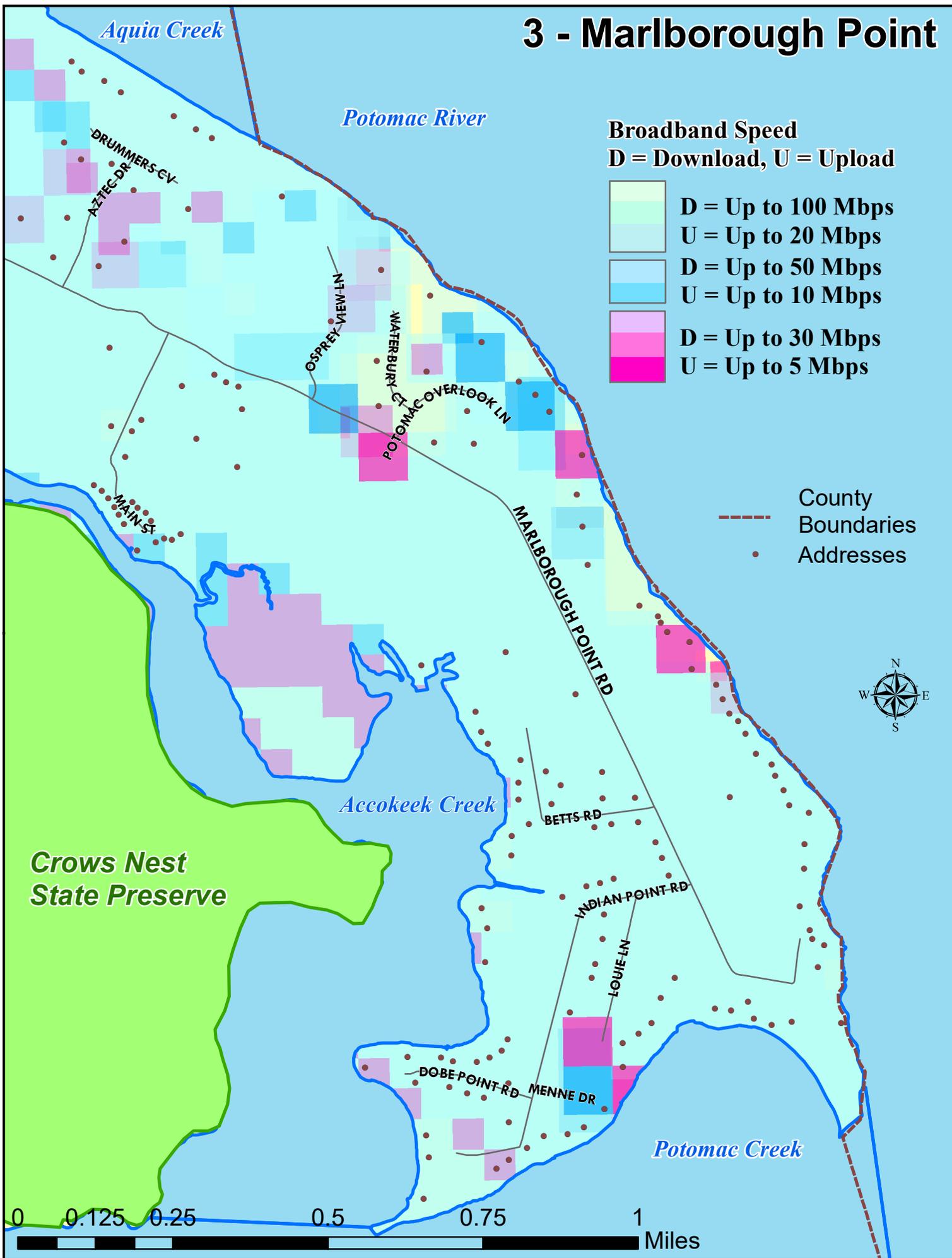
PAYNES LN

OLDFORT LN

COURTHOUSE RD

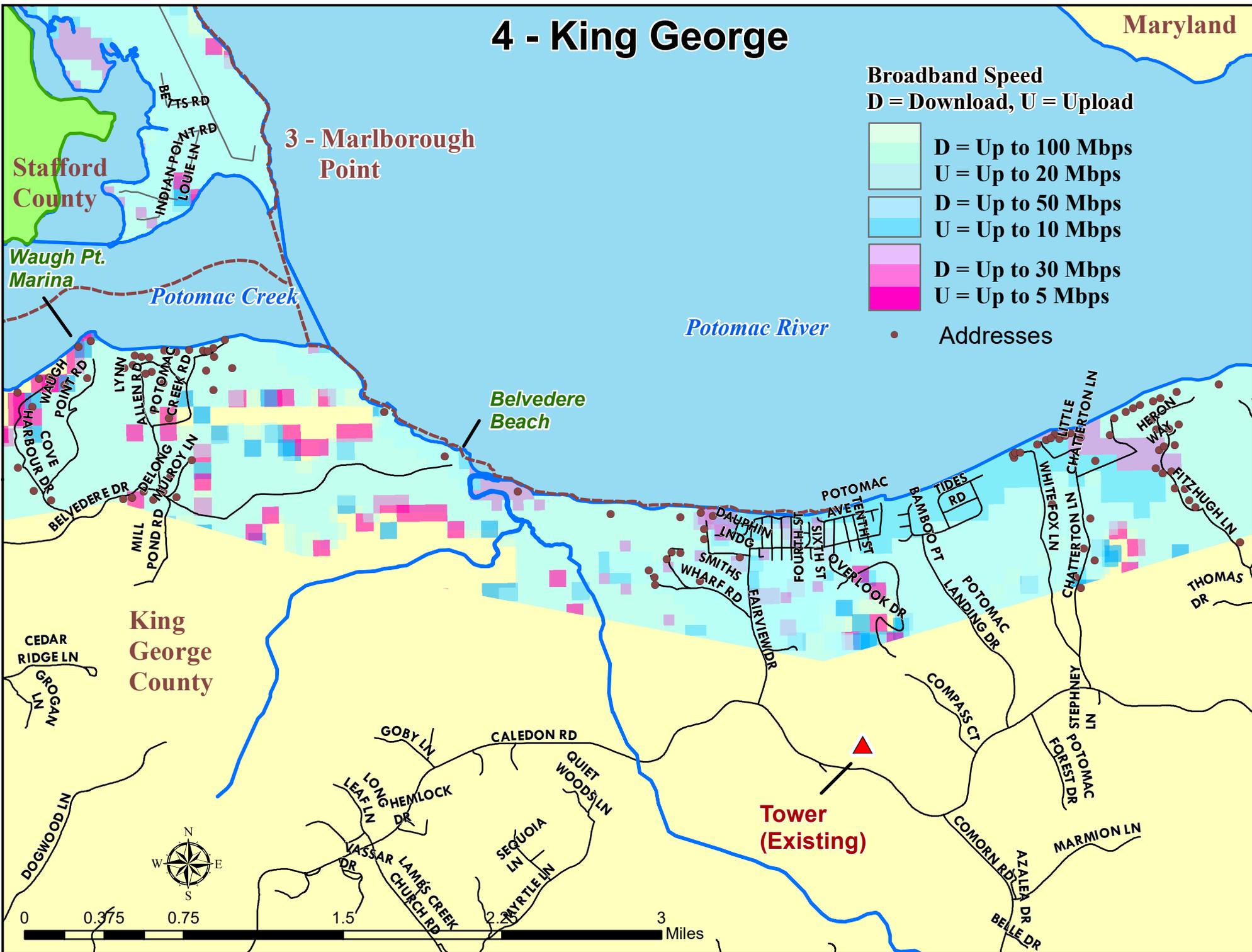


# 3 - Marlborough Point



# 4 - King George

Maryland

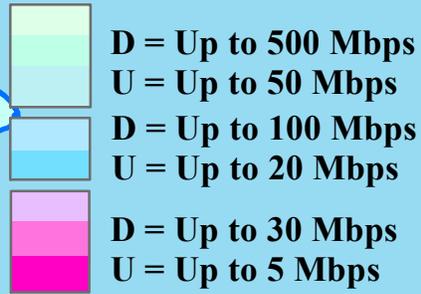


# 5 - Aquia Landing

*Aquia Creek*

1 Widewater

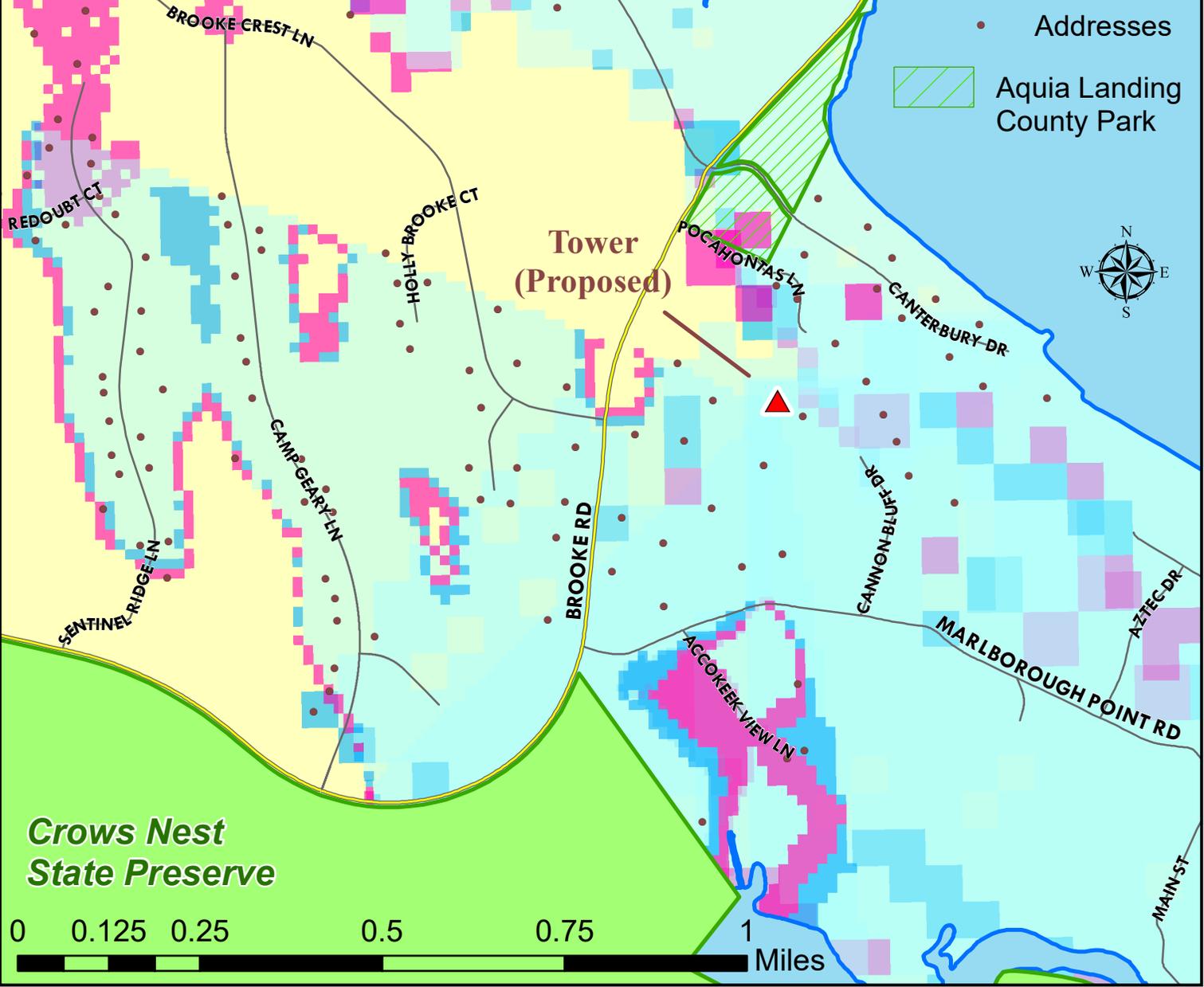
**Broadband Speed**  
D = Download, U = Upload



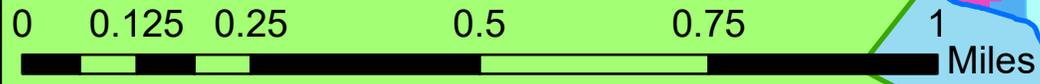
- Poles
- Small Cells
- County Boundaries
- Addresses
- Aquia Landing County Park



**Tower (Proposed)**



*Crows Nest State Preserve*



# KGI COMMUNICATIONS BROADBAND PROJECT TIMELINE



BOARD OF SUPERVISORS  
COUNTY OF STAFFORD  
STAFFORD, VIRGINIA

RESOLUTION

At a regular meeting of the Stafford County Board of Supervisors (the Board) held in the Board Chambers, George L. Gordon, Jr., Government Center, Stafford, Virginia, on the 20<sup>th</sup> day of August, 2019:

---

<u>MEMBERS:</u>	<u>VOTE:</u>
Gary F. Snellings, Chairman	Absent
L. Mark Dudenhefer, Vice Chairman	Yes
Meg Bohmke	Yes
Jack R. Cavalier	Yes
Thomas C. Coen	Yes
Wendy E. Maurer	Yes
Cindy C. Shelton	Yes

---

On motion of Mr. Coen, seconded by Mrs. Maurer, which carried by a vote of 6 to 0, the following was adopted:

A RESOLUTION AUTHORIZING THE COUNTY ADMINISTRATOR TO APPLY FOR A VIRGINIA TELECOMMUNICATION INITIATIVE GRANT WITH CO-APPLICANT KGI COMMUNICATIONS, LLC TO EXTEND BROADBAND SERVICE TO UNSERVED AREAS WITHIN GRIFFIS-WIDEWATER AND AQUIA ELECTION DISTRICTS

WHEREAS, the County seeks to provide an opportunity for residents in the Aquia Creek Road, Marlborough Point, and Widewater areas within the Griffis-Widewater and Aquia Election Districts to have access to broadband services; and

WHEREAS, the Virginia Department of Housing and Community Development has implemented the Virginia Telecommunications Initiative (VATI), which provides grants to supplement construction costs by private sector broadband service providers in partnership with local units of government to extend service to areas unserved by any broadband provider; and

WHEREAS, the County seeks to apply for a VATI grant, which may provide up to 80% of the total project cost to extend broadband service to unserved areas; and

WHEREAS, the VATI grant requires that the County partner with a private company as co-applicant, and the County and co-applicant must provide a 20% local match; and

WHEREAS, the County identified KGI Communications, LLC (KGI) as an eligible co-applicant through a Request for Expression of Information (RFEI #19-1245-I084), and KGI has proposed to construct and operate fixed broadband access networks in the Aquia Creek Road, Marlborough Point, and Widewater areas and to provide the 20% local match needed to receive the grant funds; and

WHEREAS, the grant application deadline is September 3, 2019;

NOW, THEREFORE, BE IT RESOLVED by the Stafford County Board of Supervisors on this the 20<sup>th</sup> day of August, 2019, that the County Administrator be and he hereby is authorized to submit a Virginia Telecommunication Initiative grant application with co-applicant KGI Communications, LLC to extend broadband services to the unserved areas of Aquia Creek Road, Marlborough Point, and Widewater; and

BE IT FURTHER RESOLVED that if awarded, KGI Communications, LLC will provide the grant's required 20% local match in an amount not to exceed Two Hundred Twenty Thousand Dollars (\$220,000).

A Copy, teste:

  
Thomas C. Foley  
County Administrator

TCF:mqc

**ROBERT J. WITTMAN**  
1ST DISTRICT, VIRGINIA



HOUSE ARMED SERVICES COMMITTEE  
RANKING MEMBER, SEAPOWER AND PROJECTION FORCES  
TACTICAL AIR AND LAND FORCES

NATURAL RESOURCES COMMITTEE  
WATER, OCEANS, AND WILDLIFE

CO-CHAIR, CONGRESSIONAL  
SHIPBUILDING CAUCUS

CO-CHAIR, CONGRESSIONAL  
CHESAPEAKE BAY WATERSHED TASK FORCE

CO-CHAIR, CONGRESSIONAL  
PUBLIC HEALTH CAUCUS

CO-CHAIR, CONGRESSIONAL  
RURAL BROADBAND CAUCUS

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

August 30, 2019

WASHINGTON OFFICE:  
2055 RAYBURN HOUSE OFFICE BUILDING  
WASHINGTON, DC 20515  
(202) 225-4261

DISTRICT OFFICES:

STAFFORD OFFICE  
95 DUNN DRIVE SUITE 201  
STAFFORD, VA 22556  
(540) 659-2734

MECHANICSVILLE OFFICE  
6501 MECHANICSVILLE TURNPIKE SUITE 102  
MECHANICSVILLE, VA 23111  
(804) 730-6595

MIDDLE PENINSULA OFFICE  
508 CHURCH LANE  
P.O. Box 3106  
TAPPAHANNOCK, VA 22560  
(804) 443-0668

[WWW.WITTMAN.HOUSE.GOV](http://WWW.WITTMAN.HOUSE.GOV)

Erik C. Johnston  
Director, Virginia Department of Housing and Community Development  
600 East Main Street, Suite 300  
Richmond, Virginia

Dear Mr. Johnston:

I am writing in support of Stafford County and KGI Communications' application for the Virginia Telecommunications Initiative (VATI) grant, which provides financial assistance to supplement construction costs for private sector internet service providers.

The project is regional in scope and designed to utilize state grant funds to maximize local and private funding. Access to high speed internet is essential for county productivity in its communities and for future growth. It provides educational and economic development opportunities, such as access to tele-health, teleworking, and distance learning.

Thank you for your consideration of Stafford County and KGI Communications while you consider grant applications. The areas that would be assisted are Widewater, Aquia Landing, Marlborough Point, and King George Country waterfront. Please do not hesitate to reach out to my office if you have any questions.

Thank you for your consideration.

Sincerely,

Robert J. Wittman

**RUBY A. BRABO**  
At-Large Election District

**CATHY E. BINDER**  
Shiloh Election District

**RICHARD A. GRANGER**  
James Madison Election District

**JEFFREY L. BUECHE**  
James Monroe Election District

**JOHN E. JENKINS JR.**  
Dahlgren Election District

## King George County, Virginia



### OFFICE OF THE COUNTY ADMINISTRATOR

10459 Courthouse Drive  
Suite 200  
King George, VA 22485  
Telephone: (540) 775-9181  
Fax: (540) 775-5248  
[nyoung@co.kinggeorge.state.va.us](mailto:nyoung@co.kinggeorge.state.va.us)  
[www.king-george.va.us](http://www.king-george.va.us)

Mr. Michael Cannon  
Chief Technology Officer  
Stafford County Government  
P.O. Box 339  
Stafford, VA 22555

Re: VATI Grant Application

Mr. Cannon:

I am writing in support of the Stafford County and KGI Communications' VATI broadband grant application. The application shows a regional solution by reaching the King George waterfront unserved/underserved areas of Belvedere Beach, Waugh Point, Whipsawsons Point, Passapatanzy Creek, White Fox Lane, Chatterton Ln, and Fitzhugh Ln.

There are so many areas in King George who are either unserved or underserved by broadband. Businesses are being affected by the lack of internet, and people are finding it difficult to sell homes without internet, as it has become a basic need in our world today.

In closing, I applaud and fully support the efforts of Stafford County and KGI to bring internet to this part of King George County.

Sincerely,

**NEIMAN C. YOUNG, PhD**  
County Administrator

**Aquia Bay Marina  
432 Aquia Creek Road  
Stafford, Virginia 22554  
540 720-7437  
“We are Full Service”**

August 26, 2019

Mr. Michael Cannon  
Chief Technology Officer  
Stafford County Government  
P.O. Box 339  
Stafford, VA 22555

Re: VATI Grant Application

Mr. Cannon:

I am writing on behalf of the Aquia Bay Marina at Aquia Creek in Stafford, Virginia. We are in full support of the VATI broadband grant application for Stafford County and KGI's partnership in trying to secure a VATI grant to bring internet to the marina, Aquia Creek Road, and underserved/unserved areas of Stafford County.

The Aquia Bay Marina currently has 133 boat slips. We receive 500 visitors per year and have watercraft of all shapes and sizes as well as several luxury yachts. The marina does not have adequate broadband and is under 25/3. In order to accomplish daily work in the administrative office, boat maintenance service center, doing basic business functions e.g. sending email or faxes, or do any type of computer work, requires quality internet. Our marina cannot provide hotspots to the boaters or anyone visiting the marina. We are in desperate need of internet service to be able to compete with other similar businesses and provide for our slip holders. This grant will enable us to be productive and to be able to provide the services necessary in this day and age.

There are so many areas in Stafford County who are either unserved or underserved by broadband. Businesses are being affected by the lack of internet, and people are finding it difficult to sell homes without internet, as it has become a basic need in our world today.

In closing, I applaud and fully support the efforts of Stafford County and KGI to bring internet to my area.

Sincerely,

Terry Dockery

General Manager Aquia Bay Marina

August 22, 2019

RE: Stafford County VATI grant application

At its August 9, 2019 meeting the EDA Board of Directors voted to provide \$50,000 in cash to Stafford County's Virginia Telecommunication Initiative (VATI) grant for the development of broadband infrastructure in the Wide Water and Marlboro Point areas of the County. The EDA recognizes the basic need for broadband across Stafford County to support home-based, agricultural, and rural business. In the case of this area, the grant will support home-based and water access business (marina and State Park) helping to boost Stafford's water-based tourism and economic development.



John Holden, Secretary



2050 Gordon W. Shelton Blvd.  
Fredericksburg, VA 22401

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

ph : 540-373-7711  
fx : 540-736-0301

Stafford County Government  
Chief Technology Officer Michael Cannon  
VATI Grant Application  
P.O. Box 339  
Stafford, VA 22555

Mr. Cannon:

I am writing in response to the request of public comment on the topic of Stafford County and KGI's partnership in trying to secure a VATI grant to bring internet to unserved areas of Stafford County.

As 2019 President of the 1,500 member Fredericksburg Area Association of REALTORS® (FAAR) and an active agent throughout our region, I can personally attest to the critical importance that broadband holds in our society today. When prospective buyers enter a home, they expect high speed internet just like they expect lights and water. Broadband is an essential utility in the eyes of the public and the lack of access to high speed internet can significantly impact the desirability of a property.

REALTOR® members of FAAR report that many buyers will simple move on from a property without broadband access. Many properties without high speed Internet will command a lower price than similar properties in the same area. Any efforts to expand access to high speed internet in Stafford County are strongly supported by FAAR.

In closing, I applaud and fully support the efforts of Stafford County and KGI to bring high speed internet to the County. Thank you for your consideration,

Sincerely,

Drew Fristoe  
2019 President



**Friends of Widewater State Park, Inc.  
101 Widewater State Park Road  
Stafford, VA 22554**

August 9, 2019

Craig Seaver, Director, Virginia State Parks  
The Commonwealth of Virginia  
Department of Conservation and Recreation  
600 East Main Street  
Richmond, Virginia 23119

Good afternoon Craig:

The Friends of Widewater State Park, Inc. (FoWSP) is a 501 C 3 charitable nonprofit organization committed supporting DCR's programs and initiatives throughout the park.

Once again, thank you for your December 10, 2018 letter of support of Stafford County VATI grant application. I have included a copy of it for your perusal. Stafford County is once again applying for a VATI grant to provide much needed broadband high-speed internet service to unserved rural areas throughout the County including that portion of the Widewater Peninsula encompassing Widewater State Park. The General Assembly has set aside \$20M for this year's grants. While last year's County's grant application was lauded by state officials as a model for other jurisdictions, the available \$4M was far less than the sum total of the number of statewide applications. Due to the volume of demand and limited funds, Stafford's grant application was not funded.

If awarded, this year's County grant application will enable two Community Anchor institutions, one business, eleven known home businesses as well as 556-households broadband access where none is currently available. Widewater State Park is situated in the middle of the technical solution.

The system designed by KGI Communications, Inc., the County's co-applicant, could provide up to 2 Gigabits immediately without any changes exceeding current needs of educational sessions for 5000 students and 10,000 guests a year. In addition, the basic support for a SMART park is included. Up to 20 Gigabits switched telecommunications is available with additional infrastructure and far less than the need to drop fiber in the ground and disturb the environment.

In 2008, DCR formed an advisory committee comprised of Stafford County residents, adjacent landowners, government officials, user groups and local businesses, to craft its initial master plan for Widewater State Park (WSP) with the guidance of the public.

The Master Plan states, "The purpose of Widewater State Park is to provide premiere water- and land-based educational and outdoor recreational opportunities while protecting this land cradled between Aquia Creek and the Potomac River in Stafford County.

"Widewater serves as a catalyst for outdoor education and outreach experiences that will leave an impactful impression and an understanding and appreciation of environmental stewardship. It will be a cornerstone partner in enhancing education for future generations of students."

After eleven years of planning, WSP officially opened on November 8, 2018. As a peninsula bounded by Aquia Creek and the Potomac River, it offers a unique platform to become a living laboratory for environmental resilience. The park's diverse habitats, marshes, forests and waterfront provide great opportunities for education and interactive study. WSP's 1,100-acres provides for the opportunity for Stafford County Schools (SCS) to create an outdoor, hands-on living laboratory and education hub to serve as a STEM programming focal point for its 28,000 + students, regional schools, conservation organizations, etc.

FoWSP is seeking to form a partnership with Stafford County Public Schools making available the Widewater State Park's (WSP) 1,100 acres to the school system's K-12 STEM curriculum programs in order to expand and incorporate students' appreciation and understanding of our world's ecosystems as well as how they can become an active part of its conservation. Research data gathered over the years from this multiyear study would provide DCR, WSP officials and community leaders a guide for environmental stewardship of the park and ongoing climate related social and economic challenges as the result of increased residential development.

High speed, broadband internet service throughout the Park is critical to the success of this effort. KGI, the County's grant co-applicant, would have been included in this year's grant application; however, it has yet to become a state certified vendor for broadband internet service. This can be rectified as soon as KGI receives state vendor certification and work begun by mid-2020. Grant awards should be announced by February, 2020.

Once again, we are asking DCR to write a letter of support to be included with this year's County's VATI grant application. It is also critical that DCR do everything possible to expedite KGI efforts to become an "approved vendor." Without this approval, highspeed broadband internet service throughout the park is impossible.

Letters of support should be addressed to Mr. Thomas Foley, County Administrator, Stafford County Government, P.O. Box, 339, Stafford, Virginia 22555. The Board of Supervisors is holding a public hearing on its VATI grant application on August 20 prior to filing its application.

We are confident that Stafford County's 2020 Legislative Agenda will request the General Assembly's full support for the state park's biannual budget request and, in particular, highspeed broadband internet service throughout Widewater State Park.

Thank you for your service to our community.



Philip Hornung, Vice-President  
Friends of Widewater State Park, Inc.  
[Phornung1@verizon.net](mailto:Phornung1@verizon.net)

CC: Tom Foley, County Administrator Stafford County Government  
Dr. Scott Kizner, Superintendent, Stafford County Schools  
Virginia Senator, Richard Stuart  
Virginia Senator, Scott A. Surovell  
Virginia Delegate, Jennifer D. Carroll Foy  
Michele Wido, President, KGI Communications, Inc.  
Ken Benson, Director, District Two

**FRIENDS OF WIDEWATER STATE PARK, INC.**  
**101 Widewater State Park Road**  
**Stafford, Virginia 22554**

August 16, 2019

Mr. Thomas Foley, County Administrator  
Stafford County Government  
P.O. Box 339  
Stafford, Virginia 22555

RE: 2019 Stafford County VATI Grant Application

Dear Mr. Foley:

The Friends of Widewater State Park Inc. is a 501 C 3 charitable, nonprofit organization whose mission is to support the mission, programs and initiatives throughout the park.

The Park's Master Plan states, "Widewater State Park will be a cornerstone partner in enhancing education for future generations of students." Phase 3 of the Park's Master Plan calls for the construction of an Environmental Education Center.

With the support of the Virginia Department of Conservation and Recreation (DCR), we are working with Stafford County Public Schools to provide a 1,100-acre K-12 hands-on, outdoor, living, science/ecology classroom for its approximately 28,000 students and their families.

Highspeed broadband internet service throughout the Park is critical to the success of this outdoor classroom initiative.

We support the County's 2019 VATI Grant Application which would make available broadband, highspeed internet service throughout the Park.

We, together with DCR, look forward to working with the Board of Supervisors and the Stafford County School Board on this initiative.

Sincerely,



Philip Hornung, Vice President  
Friends of Widewater State Park, Inc.  
[Phornung1@verizon.net](mailto:Phornung1@verizon.net)

CC: Stafford County School Board  
The Virginia Department of Conservation and Recreation

Matthew J. Strickler  
*Secretary of Natural Resources*

Clyde E. Cristman  
*Director*



Rochelle Altholz  
*Deputy Director of  
Administration and Finance*

Russell W. Baxter  
*Deputy Director of  
Dam Safety & Floodplain  
Management and Soil & Water  
Conservation*

Thomas L. Smith  
*Deputy Director of Operations*

**COMMONWEALTH of VIRGINIA**  
DEPARTMENT OF CONSERVATION AND RECREATION

December 10, 2018

Mr. Michael Cannon  
Chief Technology Officer  
1300 Courthouse Road  
Stafford County, 22555

Dear Mr. Cannon,

I am writing to you in support of the Virginia Telecommunication Initiative (VATI) grant which provides financial assistance to supplement construction costs by private sector broadband service providers extending service to areas currently unserved by any broadband provider. Virginia State Parks supports the efforts of Stafford County and KGI Communications, LLC in bringing high-speed broadband internet access to its customers in the region. Additionally, we would be happy to partner in this initiative by providing access locations available to the public visiting our parks. The Virginia Outdoors Plan and visitor user surveys are overwhelmingly supportive of providing high-speed Wi-Fi access in state park locations to further enhance the experience of outdoor enthusiasts.

High-speed access will enable a better recreational and educational experience to the visiting public on many levels. Environmental and interpretive programming will take advantage of better technologies, guests to Virginia State Parks will achieve a desirable level of connectivity thereby increasing attendance, and maintenance programs and business operations will improve greatly. As a result, the total increased access to high-speed broadband will enhance the economic impact of state parks in the region and benefit the Commonwealth as a whole.

Additionally, high speed internet would benefit the Widewater park staff with the delivery of training and professional education and public safety would be improved by high speed internet access. Families looking for vacation destinations would be more likely to choose state parks if they know they can maintain connectivity during their stay.

Thank you for the opportunity to comment and offer support for this initiative.

Sincerely,

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

Craig Seaver  
State Parks Director

600 East Main Street, 24<sup>th</sup> Floor | Richmond, Virginia 23219 | 804-786-6124

*State Parks • Soil and Water Conservation • Outdoor Recreation Planning  
Natural Heritage • Dam Safety and Floodplain Management • Land Conservation*



# Stafford County Fire and Rescue Department

August 9, 2019

Mr. Thomas C. Foley  
PO Box 339  
Stafford, Virginia 22555

Mr. Foley,

Please allow this letter to serve as official support for broadband connectivity throughout Stafford County. An increase in broadband, especially within rural areas of the jurisdiction, is important as the citizens of Stafford County would be able to access Public Safety resources via the connection. As technology has improved, we have noted that many 911 calls are received through the use of cell phones. When rural citizens use cell phones to call 911 the lack of infrastructure can result in dropped calls or improper routing. Many times the closest cell tower may not be in Stafford County resulting in the incorrect dispatch center (public safety answering point) being reached. These situations result in delays of life and property saving emergency services. Broadband would assist with this as citizens would have more options other than their cell phones to reach 911.

Sincerely,

A handwritten signature in blue ink, appearing to read "J. Cardello".

Joseph A. Cardello  
County Fire Chief  
Stafford County Fire and Rescue Department

Scott R. Kizner, Ph.D.  
Superintendent



## STAFFORD COUNTY PUBLIC SCHOOLS

31 Stafford Avenue  
Stafford, Virginia 22554-7246  
Phone: 540-658-6000  
www.staffordschools.net

SCHOOL BOARD  
Patricia Healy, Chair  
Dewayne McOsker, Vice-Chair  
Sarah Chase, Ph.D.  
Jamie Decatur  
Irene Egan  
Holly Hazard  
R. Pamela Yeung

### Office of the Superintendent

December 11, 2018

Mr. Tom Foley  
Stafford County Government Center  
Administration Center  
1300 Courthouse Road  
Stafford, Virginia 22554

Dear Mr. Foley:

I am writing this letter in support of a Virginia Telecommunications Initiative grant. This type of grant would support the more than 29,000 students enrolled in Stafford County Public Schools. The grant assists in fixed wireless broadband service to residents of unserved Marlborough Point and Widewater in Stafford County. The grant also proposes to offer free WiFi at Widewater State Park, which is useful for families in the area. It is vital to have broadband access for the student population in those areas. Many of our students use Widewater State Park; therefore, it is important to have WiFi access to this area.

Allowing more educational opportunities is a way for students to become more in tune with what is happening around them. The ability to formalize the way observations are made and record results enable students to broaden the world's discoveries about nature.

The park's diverse habitats, marshes, forests, and waterfront provide great opportunities for education and interactive study. We are open to the idea of making available the 1,100 acres of Widewater State Park to Stafford County Public School students as an outdoor hands-on, living science classroom separate from the confines of the typical classroom. Several of our teachers are working to expand the science curriculum to outdoor hands-on learning. SCPS understands that broadband high-speed internet service throughout the Park is important to student success in learning. Therefore, SCPS supports the grant application to further education all students within the division.

Respectfully,

A handwritten signature in black ink, appearing to read "Scott Kizner", written over a horizontal line.

Scott Kizner, Ph.D.  
Superintendent

# SENATE OF VIRGINIA

RECEIVED

AUG 13 2019

**RICHARD H. STUART**  
28TH SENATORIAL DISTRICT  
PART OF KING GEORGE, PRINCE WILLIAM,  
SPOTSYLVANIA, STAFFORD, AND WESTMORELAND COUNTIES  
POST OFFICE BOX 1146  
MONTROSS, VIRGINIA 22520



COMMITTEE ASSIGNMENTS:  
AGRICULTURE, CONSERVATION  
AND NATURAL RESOURCES, CHAIR  
COMMERCE AND LABOR  
COURTS OF JUSTICE  
FINANCE  
RULES

August 8, 2019

Mr. Tom Foley, County Administrator  
Stafford County Government  
1300 Courthouse Road  
Stafford, Virginia 22554

Dear Mr. Foley,

I am writing to you in support of Stafford County's application for the Virginia Telecommunications Initiative (VATI) grant. Stafford County and KGI Communications, LLC are partnering to provide high-speed broadband internet access to residents in the Aquia and Widewater Districts who are currently unserved.

The Widewater Peninsula and the Marlborough Point areas currently have no access to broadband due to their isolation. Deployment of broadband on the peninsula and other rural parts of Stafford County will provide enormous educational and economic development opportunities as well as access to online health options for the surrounding community

Today, access to high speed internet is required for our school-aged children. Broadband access in these areas will not only bring relief to parents from having to drive to a location that provides internet, but most importantly will ensure these children do not fall behind their peers. Broadband is a part of the essential infrastructure for a modern community, particularly in Stafford County, a bedroom community of Washington, D.C., and home to many defense contractors as well as their employees and federal employees.

If successful, this partnership will provide broadband internet to one of Virginia's newest state parks, Widewater State Park. The unique geography of the Widewater Peninsula offers a platform to become a living laboratory for environmental resilience. The diverse habitats provide opportunities for education and interactive study. Broadband internet throughout the park is a critical component for students and researchers to access this hands-on learning. The broadband will be integral in the everyday completion of the park rangers' jobs as well.

Thank you so much for working on this effort on behalf my constituents. Again, I confirm my support in your request of the VATI grant.

Sincerely,

A handwritten signature in black ink, consisting of several loops and a long horizontal stroke extending to the right.

Richard H. Stuart

# SENATE OF VIRGINIA

RECEIVED

AUG 7 2019

**SCOTT A. SUROVELL**  
36TH SENATORIAL DISTRICT  
PART OF FAIRFAX, PRINCE WILLIAM,  
AND STAFFORD COUNTIES  
POST OFFICE BOX 289  
MOUNT VERNON, VIRGINIA 22121  
(571) 249-4484



COMMITTEE ASSIGNMENTS:  
GENERAL LAWS AND TECHNOLOGY  
LOCAL GOVERNMENT  
REHABILITATION AND SOCIAL SERVICES

August 2, 2019

Mr. Tom Foley  
County Administrator  
Stafford County Government  
1300 Courthouse Road  
Stafford, VA 22554

RE: VATI Grant Application

Dear Mr. Foley:

I am writing to you in support of Stafford County's Application for the Virginia Telecommunications Initiative (VATI) grant, which provides financial assistance to supplement construction costs by private sector broadband service providers extending service to areas currently unserved by broadband providers. Please continue efforts to bring high-speed broadband internet access to the unserved residents in the Aquia and Widewater Districts.

The Widewater Peninsula and the Marlborough Point area currently lack access to broadband due to their isolation. Deployment of broadband on the peninsula will provide enormous educational and economic development opportunities as well as access to online health options for my constituents.

Access to high speed internet is a necessity for today's schoolchildren. Those without access will fall behind their peers. Broadband access is part of the essential infrastructure for a modern community, particularly Stafford County, which is the home to many federal contractors and federal employees.

This partnership will also provide broadband internet to Virginia's newest state park, Widewater State Park. The unique geography of the Widewater Peninsula offers a platform to become a living laboratory for environmental resilience. The diverse habitats provide opportunities for education and interactive study. Broadband internet throughout the park is a critical component for students and researchers to access this hands-on learning. Broadband is also critical to the park rangers' day-to-day responsibilities.

Thank you for pursuing broadband access for Widewater residents and visitors. Please contact me directly if you have any questions.

Sincerely,

  
Senator Scott Surovell  
36<sup>th</sup> District



Location	Residential Service Units	Total Project Cost	Non-County In Kind Contributions	Stafford County In-kind Contributions/matches	% Match	VATI Request	Total Cost Per Residential Service Unit
Widewater/Aquia Landing	346	\$554,204	\$99,706		18%	\$454,498	\$1,314
Marlborough Point and King George	262	\$309,479	\$139,154		45%	\$170,325	\$650
Aquia Creek	119	\$308,877	\$59,222		19%	\$249,655	\$2,098
Additional Costs		\$57,096		\$57,096			
Stafford County Economic Development Authority Match				\$50,000			
<b>Total</b>	<b>727</b>	<b>\$1,229,656</b>	<b>\$298,082</b>	<b>\$107,096</b>	<b>33%</b>	<b>\$874,478</b>	<b>\$1,203</b>

In Kind Contributions are based on standard installations and do not assume any complex installations. Complex installations add additional equipment and are assumed in-kind as calculating the engineering needed is impossible. Therefore, KGI will assume such risk.

The contingency added is not required but is still calculated as a best practice in the estimate.

	Total	Soft Costs	Congengency	Other	Total
Widewater/Aquia Landing	\$361,691	\$170,871	\$21,642		\$554,204
Marlborough Point and King George	\$179,982	\$121,386	\$8,111		\$309,479
Aquia Creek	\$205,528	\$91,461	\$11,888		\$308,877
Additional Costs		\$57,096			\$57,096
Stafford County Economic Development Authority Match				\$50,000	\$50,000
<b>Total</b>	<b>\$747,201</b>	<b>\$440,814</b>	<b>\$41,641</b>	<b>\$50,000</b>	<b>\$1,279,656</b>





# KGI PROPOSAL

KGI 4485 Danube Dr, Suite 8A, King George, VA 22485  
 Communications  
 540-709-7070 michelew@kgicomm.com

**CUSTOMER**

Marlborough Point and King George

**ESTIMATE NO**

19-0805

**DATE**

8/29/2019

**ADDRESS**

Marlborough Point Area

**CITY/STATE/ZIP**

Stafford, VA

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
1	System Infrastructure Material	\$106,618.37	\$106,618.37
1	Talley #203468	\$20,215.51	\$20,215.51
1	Talley #961069 (Tower)	\$18,474.39	\$18,474.39
1	Talley #204954	\$853.98	\$853.98
1	Tower Land Lease (5 yrs, includes 3% yearly increase)	12,742.08	\$12,742.08
1	Afterimage GIS	550.00	\$550.00
120	CRC Contracting (fence)	23	\$2,760.00
1	5% Contingency	\$8,111.00	\$8,111.00
<b>KGI - Marlborough Point - King George</b>			
<b><u>In Kind Contributions</u></b>			\$0.00
Tower Installation: \$30,000			\$0.00
Residential Discount \$211 per house (262 Service Units) - \$55,282			\$0.00
Mongeon 5 yrs FTTH (up to 100 Mbps) @ \$2,280/yr - \$11,400.00			\$0.00
Mongeon Discount Lease (5yrs includes 3% increase) - \$41,411.52			\$0.00
Free set up and installation of fiber Internet to Mongeon tower property owner - \$1,060.00			\$0.00
<b>Total In Kind: \$139,154</b>			\$0.00
<b>% In Kind 45</b>			\$0.00
<b>Cost Per Residential Service Unit - \$326</b>			\$0.00
			\$0.00
SUBTOTAL			\$170,325.33
TAX RATE			0.00%
SALES TAX			\$0.00
OTHER			
TOTAL			\$170,325.33

**THIS PROPOSAL INCLUDES THE CONDITIONS NOTED:**

Contingency Reserve provides for unplanned material and labor variations. If any contingency reserve is used. Stafford County will be notified separately and in monthly progress reports.  
 Tax is included in each line item.  
 Minimum land lease is 5 year contract.  
 All CRC work is inkind.  
 Residential installation is discounted 38%





	Amount
Economic Development Authority Match	\$50,000
GIS Mapping Services	\$3,500
Tower Permit and Engineering Fees	\$24,483
Project Management/Permit-Planning Liason Services	\$10,000
Aquia Landing Lease Property (5 yrs)	\$19,113
Total (Not including EDA)	\$57,096

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
<b>REQUESTED VATI</b>	<b>\$ 874476</b>	<b>68</b>	<b>Pending</b>
Stafford Econ Dev Authority	50000	4	Approved (dependent of VATI grant award)
Stafford County In-kind Contributions/matches	57,096	4	Conditional on VATI award and having Board of Supervisors as applicant for conditional use permit
KGI In-Kind Contributions/matches	\$ 298082	23	KGI will provide match contingent on grant award
<b>TOTAL</b>	<b>\$ 127594</b>	<b>100 %</b>	



Location	Residential Service Units	Total Project Cost	Non-County In Kind Contributions	Stafford County In-kind Contributions/matches	% Match	VATI Request	Total Cost Per Residential Service Unit
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# KGI PROPOSAL

KGI 4485 Danube Dr, Suite 8A, King George, VA 22485  
 Communications  
 540-709-7070 michelew@kgicomm.com

**CUSTOMER**

Marlborough Point and King George

**ESTIMATE NO**

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**DATE**

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**ADDRESS**

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**CITY/STATE/ZIP**

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 Tax is included in each line item.  
 Minimum land lease is 5 year contract.  
 All CRC work is inkind.  
 Residential installation is discounted 38%





	Amount
Economic Development Authority Match	\$50,000
GIS Mapping Services	\$3,500
Tower Permit and Engineering Fees	\$24,483
Project Management/Permit-Planning Liason Services	\$10,000
Aquia Landing Lease Property (5 yrs)	\$19,113
Total (Not including EDA)	\$57,096

Widewater-1

uw



1127 INTERNATIONAL PARKWAY SUITE 293  
FREDERICKSBURG, VA 22406  
540.752.6691 (O) 540.752.6694 (F)

### KGI Communications LLC

Name of Customer: **KGI Communications LLC** Date 7/30/19  
Proposal Submitted to: **Michelle Wido**  
Phone # **540-709-7070**  
Email **KGI Communications LLC <kgicomcommunicationsllc@gmail.com>**

We propose to furnish labor and material, for the installation of the scope of work as listed below for the Wide Water aerial project.

#### Included:

- 9400' aerial
- engineering @ 1.00 pf x 9400'
- strand @ 10150'
- fiber 96 Ct SM
- anchors x20 approx.
- slack loops w/shoes approx 20
- down guys approx 20
- 96 ct fiber @ 10780'
- slack 4000'
- splicing
- 6m strand@ 10200'
- bolts, washers, lashing wire dead ends etc
- anchors x 20
- antennae install x 9
- Dominion meter base installation x 9
- VDOT permits
- Easements
- All engineering, as build drawings.
- Certified test results.
- All Labor & materials required to complete project
- Truck/Tools/Ladders/Safety/ Testing Equipment
- All work to be performed during normal hours
- Warranty as per manufactured equipment specs.

#### Excluded

- Locating private utilities.
- Any delays due to lack of access to required work areas by others shall be additional to the contract amount
- Does not include any weekend, after hours or holiday work.
- Dominion make ready work

**Contract Price \$**  
**\$87,426.25**



1127 INTERNATIONAL PARKWAY SUITE 293  
FREDERICKSBURG, VA 22406  
540.752.6691 (O) 540.752.6694 (F)

Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Express Technologies Incorporated proposes to furnish all labor and materials to complete the work as specified above. All agreements are contingent upon the availability of materials, equipment and any other delays beyond our control. This proposal is valid for a period of 30 days from the date sent. This price is given as a whole and is not intended to be separated

*Thank you for allowing Express-Tek the chance to bid this project*

Keith Ward  
Project Manager  
**eXpress technologies**  
1127 International Parkway, Suite 293  
Fredericksburg, VA 22406  
t: 540-752-6691  
f: 540-752-6694  
c: 703-851-3023  
[kward@express-tek.com](mailto:kward@express-tek.com)  
[www.express-tek.com](http://www.express-tek.com)

CONFIDENTIAL

**CONFIDENTIAL**

Widewater-2

ww

Intelpath

# Invoice

P.O. Box 145  
Hinsdale, IL 60522

Date	Invoice #
11/2/2018	4646

**PAID**  
**11/02/2018**

<b>Bill To</b> CRC Contracting, Inc. PO Box 997 King George, VA 22485	<b>Ship To</b> CRC Contracting, Inc. PO Box 997 King George, VA 22485
--	--

S.O. No.	P.O. No.	Terms	Rep	Project
4557	Michele	Due on receipt		

Item	Description	Ordered	Prev. Inv...	Backor...	Invoiced	Rate	Amount
FCC Frequen...	Licensee: CRC Contracting, Inc. Path: R-G Tower to Closes Tower, 11GHz, 2+0  FCC Part 101 Project Coordination and FCC Filing (Includes Frequency Study, Prior Coordination Notice, Application Filing, and FCC Schedule K Completion*)	1	0		1	650.00	650.00
FCC-Site-New	FCC Fee - New Call Sign (Per Site)  *client must notify us when construction is complete if the service of Schedule K completion is desired.	2	0		2	560.00	1,120.00

<b>Subtotal</b>	\$1,770.00
<b>Sales Tax (0.0%)</b>	\$0.00
<b>Total</b>	\$1,770.00
<b>Payments/Credits</b>	\$-1,770.00
<b>Balance Due</b>	ww

Widewater-3

ww

Intelpath

P.O. Box 145  
Hinsdale, IL 60522

# Invoice

Date	Invoice #
11/2/2018	4646

<b>Bill To</b>  CRC Contracting, Inc. PO Box 997 King George, VA 22485	<b>Ship To</b>  CRC Contracting, Inc. PO Box 997 King George, VA 22485
--	--

**PAID**  
11/02/2018

S.O. No.	P.O. No.	Terms	Rep	Project
4557	Michele	Due on receipt		

Item	Description	Ordered	Prev. Inv...	Backor...	Invoiced	Rate	Amount
FCC Frequen...	License: CRC Contracting, Inc. Path: R-G Tower to Closser Tower, 11GHz, 2+0  FCC Part 101 Project Coordination and FCC Filing (Includes Frequency Study, Prior Coordination Notice, Application Filing, and FCC Schedule K Completion*)	1	0		1	650.00	650.00
FCC-Site-New	FCC Fee - New Call Sign (Per Site)  *client must notify us when construction is complete if the service of Schedule K completion is desired.	2	0		2	560.00	1,120.00

	<b>Subtotal</b>	\$1,770.00
	<b>Sales Tax (0.0%)</b>	\$0.00
	<b>Total</b>	\$1,770.00
	<b>Payments/Credits</b>	\$-1,770.00
	<b>Balance Due</b>	



Widewater - 4

66

# Quote

## DoubleRadius, Inc.

2022 Van Buren Ave  
 Indian Trail NC 28079  
 US  
 704-927-6100

Date	Quote #
9/19/2018	257445

Bill To
Juan Marte KGI Communications, LLC 4485 DANUBE DR #8A KING GEORGE VA 22485 United States

Ship To
Juan Marte KGI Communications, LLC 4485 DANUBE DR #8A KING GEORGE VA 22485 United States

Expires
10/19/2018

Item	Quantity	Description	Item Notes	Unit Price	Extended
C110082B043A	1	Cambium PTP 820C Radio 11WGHz,TR500,Ch1W6,Hi,11185-11485MHz		5,040.00	5,040.00
C110082B044A	1	Cambium PTP 820C Radio 11WGHz,TR500,Ch1W6,Lo,10695-10955MHz		5,040.00	5,040.00
C000000L033A	4	Cambium Gigabit Surge Suppressor (56V) (C000000L033A)		40.00	160.00
N000065L001C	2	Cambium PTP 650 AC Power Injector - Replaces N000065L001B		64.00	128.00
N000082L014A	2	Cambium PTP 820 Glands x5 KIT		23.20	46.40
N000082L016A	1	Cambium PTP 820 CAT5E Outdoor 100m drum		208.80	208.80
N000082L017A	4	Cambium PTP 820 Grounding Kit for CAT5e F/UTP 8mm cable		12.00	48.00
N000082L022A	2	Cambium PTP 820 PoE Injector all outdoor, redundant DC input, +24VDC support		530.40	1,060.80
N000082L073A	2	Cambium PTP 820 GBE Connector kit		18.40	36.80
N000082L116A	2	Cambium PTP 820 GROUND CABLE FOR IDU and ODU		12.00	24.00
N000082L042A	2	Cambium PTP 820 Act.Key - GE port, per additional port		76.00	152.00
N000082L056A	4	Cambium PTP 820 Act.Key - XPIC, per Tx Chan		184.00	736.00
N000082L027A	2	Cambium PTP 820C Act.Key - 2nd Core Activation		1,900.00	3,800.00
N000082L079A	4	Cambium PTP 820C Act.Key - Capacity 650M with ACM Enabled, per Tx Chan		1,200.00	4,800.00
N110082D072A	2	Cambium PTP 820 2' ANT,SP,11GHz,RFU-C TYPE&Std UBR100 - Andrew		440.00	880.00
N110082L082A	2	Cambium PTP 820C OMT KIT 10-11GHz		700.00	1,400.00
N110082L092A	2	Cambium PTP 820 RFU-C 10_11GHz OMT Interface-Andrew		88.80	177.60
UPS® Ground	1			0.00	0.00

Total	\$23,738.40
	<del>23,738.40</del>
	T 6% 1,424.31
	25,162.71

10%  
 Ship 2,516.28  
 27,678.99



Widewater-5

u w

# Quote

## DoubleRadius, Inc.

2022 Van Buren Ave  
 Indian Trail NC 28079  
 US  
 704-927-6100

Date	Quote #
9/19/2018	257445

Bill To
Juan Marte KGI Communications, LLC 4485 DANUBE DR #8A KING GEORGE VA 22485 United States

Ship To
Juan Marte KGI Communications, LLC 4485 DANUBE DR #8A KING GEORGE VA 22485 United States

Expires
10/19/2018

Item	Quantity	Description	Item Notes	Unit Price	Extended
C110082B043A	1	Cambium PTP 820C Radio 11WGHZ,TR500,Ch1W6,Hi,11185-11485MHz		5,040.00	5,040.00
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C000000L033A	4	Cambium Gigabit Surge Suppressor (56V) (C000000L033A)		40.00	160.00
N000065L001C	2	Cambium PTP 650 AC Power Injector - Replaces N000065L001B		64.00	128.00
N000082L014A	2	Cambium PTP 820 Glands x5 KIT		23.20	46.40
N000082L016A	1	Cambium PTP 820 CAT5E Outdoor 100m drum		208.80	208.80
N000082L017A	4	Cambium PTP 820 Grounding Kit for CAT5e F/UTP 8mm cable		12.00	48.00
N000082L022A	2	Cambium PTP 820 PoE Injector all outdoor, redundant DC input, +24VDC support		530.40	1,060.80
N000082L073A	2	Cambium PTP 820 GBE Connector kit		18.40	36.80
N000082L116A	2	Cambium PTP 820 GROUND CABLE FOR IDU and ODU		12.00	24.00
N000082L042A	2	Cambium PTP 820 Act.Key - GE port, per additional port		76.00	152.00
N000082L056A	4	Cambium PTP 820 Act.Key - XPIC, per Tx Chan		184.00	736.00
N000082L027A	2	Cambium PTP 820C Act.Key - 2nd Core Activation		1,900.00	3,800.00
N000082L079A	4	Cambium PTP 820C Act.Key - Capacity 650M with ACM Enabled, per Tx Chan		1,200.00	4,800.00
N110082D072A	2	Cambium PTP 820 2' ANT,SP,11GHZ,RFU-C TYPE&Std UBR100 - Andrew		440.00	880.00
N110082L082A	2	Cambium PTP 820C OMT KIT 10-11GHZ		700.00	1,400.00
N110082L092A	2	Cambium PTP 820 RFU-C 10_11GHZ OMT Interface-Andrew		88.80	177.60
UPS® Ground	1			0.00	0.00

<b>Total</b>	<b>\$23,738.40</b>
--------------	--------------------

T 6%	1,424.31
	<u>2,516.27</u>

Ship 10% 2516.28  
27678.99





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

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

**Quote**

Quote No.: 040262  
 Quote Date: 8/28/2019  
 Customer ID: KGI KING GEORGE

BILL TO:	SHIP TO:
KGI COMMUNICATIONS LLC 4485 DANUBE DR. SUITE 8A KING GEORGE VA 22485 United States of America 540-709-7070 Attn: MICHELLE WIDO	KGI COMMUNICATIONS LLC 4485 DANUBE DR. SUITE 8A KING GEORGE VA 22485 United States of America 540-709-7070 Attn: MICHELLE WIDO

CUSTOMER P.O. NO.	TERMS	CONTACT
		MICHELLE WIDO
FOB POINT	SALES REP	SHIP VIA
	MEGANS	

CST LINE #	ITEM	ALT ID.	QTY.	PRICE	EXTENDED PRICE
	OD-50DDXC 50"H x 25"W x 42"D		1.000	2,140.000	2,140.00
	<ul style="list-style-type: none"> <li>• 15 YEAR WARRANTY</li> <li>• FRONT AND REAR DOORS</li> <li>• 3 POINT PAD LOCKING SYSTEM</li> <li>• ALUMASHIELD™ TOP SOLAR SHIELD</li> <li>• POWDER COAT TEXTURED CREAM FINISH</li> <li>• .125 ALUMINUM CONSTRUCTION w/ ALUMAFLEX</li> <li>• STAINLESS STEEL EXTERIOR HARDWARE</li> <li>• NON-ENVIRONMENTALLY LISTED, CONFIGURABLE TO NEMA 3R CLASS 250 (STANDARD), 4 OR 4X (OPTIONAL),</li> <li>• ONE REMOVABLE FILTER PANEL PER DOOR</li> <li>• 2 SETS OF ADJUSTABLE 19" RACKING RAILS                             <ul style="list-style-type: none"> <li>o 26 RACKING UNITS / RAIL SET</li> <li>o w/ ETCHED RU RAIL MARKINGS</li> </ul> </li> <li>• (2) 1.25" CABLE PASS THRU HOLE ON EACH RAIL</li> <li>• SAFETY RATED ETL Listed to UL standards</li> <li>• ANSI/UL 60950-1/CSA C22.2 No. 60950-1</li> </ul>				
	ACP-2000-T20-110 2,000 BTU PENTAIR AIR CONDITIONER UNIT 20"H x 10"W x 9.9"D 500 WATTS OF HEAT 56 LBS, 115 VOLT, 50/60Hz, UL/CUL, CE 2 YEAR MANUFACTURER'S WARRANTY •1st YEAR PARTS AND LABOR •2nd YEAR PARTS NOTE: INSTALLED ON FRONT DOOR MRP		1.000	2,014.000	2,014.00
	OD-INS ½" insulation for OD series enclosures NOTE: INSTALLED MRP		1.000	167.000	167.00
	ZP-NDCP OD DOOR LOUVER COVER PLATE, UNPAINTED, FOR THE 3 LOUVER SET UP NOTE: INSTALLED OVER DOOR/VENTS MRP		2.000	50.000	100.00
	ZZ-SLD-WIND-LCK (QTY1) 2 position wind lock (1087-U1) NOTE: INSTALLED ON FRONT DOOR FOR HVAC SUPPORT- MRP		1.000	54.000	54.00
	NOTES NOTE: LEAD TIME 3-7 BUSINESS DAYS WHILE IN STOCK.		1.000	0.000	0.00



Widewater



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

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

**Quote**

Quote No.: 040262  
Quote Date: 8/28/2019  
Customer ID: KGI KING GEORGE

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

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

**Total (USD): 4,475.00**

Widewater-7



DoubleRadius, Inc.  
2022 Van Buren Ave  
Indian Trail NC  
28079  
US

Quote  
#272209  
7/30/2019

Bill To  
Juan Marte  
KGI Communications, LLC  
4485 DANUBE DR #8A  
KING GEORGE VA 22485  
United States

Ship To  
Juan Marte  
KGI Communications, LLC  
4485 DANUBE DR #8A  
KING GEORGE VA 22485  
United States

TOTAL

~~\$3,098.04~~

Expires: 8/29/2019

Expires	Memo	Shipping Method	Sales Rep
8/29/2019		UPS® Ground	Benton Cook

Quantity	Item	Notes	Rate	Amount
18	<del>RW-8019-1100</del> RWIN SmartNode AC-DC RW8000/SM/ACIN/DCOUT/10/UNI AC input and DC out		\$1,599.69	<del>\$1,599.69</del> 28,794.42
1	<del>RW-8019-3200</del> RWIN SmartNode 35-57VDC, for Solar Panel DC input and DC out RW8000/SM/DCIN/DCOUT/40/UNI		\$1,342.42	<del>\$1,342.42</del>
1	<del>UPS® Ground</del>		\$0.00	<del>\$0.00</del>

Subtotal	28,794.42 <del>\$2,942.11</del>
Tax (5.3%)	1,526.11 <del>\$155.93</del>
Total	<del>\$3,098.04</del>

~~10000000~~  
 28,794.42  
 + 1,526.11 6% T  
 -----  
 30,320.53  
 + 3,032.06 10% Ship  
 -----  
 33,352.59



272209

Double Radius

MP4  
WW-7

Widewater-8

WW

PROCEED TO CHECKOUT

AACreek-4

W = Widewater Landing  
M = Marlborough Pt  
A = Aquia-Creek Rd

# SHOPPING CART (53 PRODUCTS, 1924 ITEMS)

 Ubiquiti EdgePoint WISP switch, 16-port  
(<https://www.doubleradius.com/Manufacturers/EdgePoint/Ubiquiti-EdgePoint-16-Port-Switch.html>)

\$513.55 ~~\$529.00~~

(<https://www.doubleradius.com/Manufacturers/EdgePoint/Ubiquiti-EdgePoint-16-Port-Switch.html>)  
SKU: #EP16P  
Quantity: 2

Amount: \$1,027.10

REMOVE

M = 513.55  
A = 513.55

 Cambium 900 MHz 12 dBi gain directional antenna (Dual Slant)  
([https://www.doubleradius.com/Manufacturers/Antennas\\_18/Cambium-900-MHz-12-dBi-gain-directional-antenna-Dual-Slant.html](https://www.doubleradius.com/Manufacturers/Antennas_18/Cambium-900-MHz-12-dBi-gain-directional-antenna-Dual-Slant.html))

\$71.20 ~~\$89.00~~

([https://www.doubleradius.com/Manufacturers/Antennas\\_18/Cambium-900-MHz-12-dBi-gain-directional-antenna-Dual-Slant.html](https://www.doubleradius.com/Manufacturers/Antennas_18/Cambium-900-MHz-12-dBi-gain-directional-antenna-Dual-Slant.html))  
SKU: #N009045D00A  
Quantity: 84

Amount: \$5,980.80

REMOVE

A

 Cambium cnPilot™ R201P, US, 802.11ac dual band Gigabit WLAN Router with ATA and PoE  
(<https://www.doubleradius.com/Manufacturers/WiFi/cnPilot-R201P.html>)

\$120.00

(<https://www.doubleradius.com/Manufacturers/WiFi/cnPilot-R201P.html>)  
SKU: #R000000L00A

Quantity: 320

Amount: \$38,400.00

REMOVE

120 - M = 14,400.00  
151 - W = 18,120.00  
49 - A = 5,880.00



ww

REMOVE

  
 Baicells Nova 233 Gen 2 eNodeB Base Station  
 (https://www.doublerradius.com/Manufacturers/nova/baicells-nova-233-gen-2-enodeb-outdoor-base-station.html)  
 \$3,999.00  
 (https://www.doublerradius.com/Manufacturers/nova/baicells-nova-233-gen-2-enodeb-outdoor-base-station.html) SKU: #NOVA-233-GEN-2 (MBS1105)  
 Quantity: 4  
 Amount: \$15,996.00

m

REMOVE

  
 Mikrotik Hot Swap -48V DC Telecom Power Supply  
 (https://www.doublerradius.com/Manufacturers/Mikrotik-Accessories/mikrotik-hot-swap-48v-dc-telecom-power-supply\_2.html)  
 \$100.00  
 (https://www.doublerradius.com/Manufacturers/Mikrotik-Accessories/mikrotik-hot-swap-48v-dc-telecom-power-supply\_2.html) SKU: #MWS-48V-12V-10W  
 Quantity: 8  
 Amount: \$800.00

w

REMOVE

  
 Ubiquiti UFiber WiFi (https://www.doublerradius.com/Manufacturers/ubiquiti-ufiber/ubiquiti-ufiber-wifi.html)  
 \$79.00  
 (https://www.doublerradius.com/Manufacturers/ubiquiti-ufiber/ubiquiti-ufiber-wifi.html) SKU: #UF-WiFi  
 Quantity: 5  
 Amount: \$395.00  
 Please Call 866-891-3602 for Availability

h

REMOVE

  
 MikroTik Cloud Router Switch 16xSFP+  
 (https://www.doublerradius.com/Manufacturers/MikroTik-Cloud-Router-Switch-16xSFP.html)  
 \$399.00  
 (https://www.doublerradius.com/Manufacturers/MikroTik-Cloud-Router-Switch-16xSFP.html) SKU: #CRS116-16SFP  
 Quantity:

↓

ww

Switch-  
16xSFP.html)

4

Amount: \$1,596.00

2-W = 798.00

1-M = 399.00

1-A = 399.00

REMOVE

MikroTik Cloud Core Router CCR1072-1G-8S+  
(<https://www.doublradius.com/Manufacturers/Ethernet-Routers/Mikrotik-Cloud-Core-Router-CCR1072-1G-8S.html>)

\$3,050.00

1-W = 3,050.00

1-M = 3050.00

(<https://www.doublradius.com/Manufacturers/Ethernet-Routers/Mikrotik-Cloud-Core-Router-CCR1072-1G-8S.html>)

Cloud-Core-Router-CCR1072-1G-8S.html)

Quantity:

2

Amount: \$6,100.00

REMOVE



Ubiquiti EdgePower, 54v, 150W  
(<https://www.doublradius.com/Manufacturers/ubiquiti-edgepower/ubiquiti-edgepower-54v-150w.html>)

\$187.80 ~~\$195.00~~

2-W = 375.60

2-A = 375.60

2-M = 375.60

(<https://www.doublradius.com/Manufacturers/ubiquiti-edgepower/ubiquiti-edgepower-54v-150w.html>)

edgepower-54v-150w.html)

Quantity:

6

Amount: \$1,126.80

Please Call 866-891-3602 for Availability

REMOVE



Ubiquiti U-Fiber GPON OLT, Class B+ SFP Module - US  
(<https://www.doublradius.com/Manufacturers/ubiquiti-u-fiber/Ubiquiti-U-Fiber-GPON-OLT-Class-B-SFP-Module.html>)

\$71.55 ~~\$79.00~~

(<https://www.doublradius.com/Manufacturers/ubiquiti-u-fiber/Ubiquiti-U-Fiber-GPON-OLT-Class-B-SFP-Module.html>)

u-fiber/Ubiquiti-U-Fiber-GPON-OLT-Class-B-SFP-Module.html)

Quantity:

33

Amount: \$2,361.15

w

REMOVE

ww



IgniteNet's LingAssist Bluetooth Module  
(<https://www.doubleradius.com/Manufacturers/ignitenet-accessories/ignitenet-lingassist-bluetooth-module.html>)

\$6.00

(<https://www.doubleradius.com/Manufacturers/ignitenet-accessories/ignitenet-lingassist-bluetooth-module.html>)  
SKU: #ICC-LABT (Single Unit)  
Quantity:  
3

Amount: \$18.00

j-w = 6.00  
1 M = 6.00  
1 A = 6.00

REMOVE



IgniteNet MetroLinq Bracket, Standard  
(<https://www.doubleradius.com/Manufacturers/ignitenet-accessories/ignitenet-metrolinq-bracket-standard-icc-bracket-std.html>)

\$18.80 ~~\$21.00~~

(<https://www.doubleradius.com/Manufacturers/ignitenet-accessories/ignitenet-metrolinq-bracket-standard-icc-bracket-std.html>)  
SKU: #ICC-BRACKET STD  
Quantity:  
36  
Amount: \$676.80

w

REMOVE



IgniteNet MetroLinq Bracket, Long Range  
(<https://www.doubleradius.com/Manufacturers/ignitenet-accessories/ignitenet-metrolinq-bracket-long-range-icc-bracket-lr.html>)

\$61.62 ~~\$69.00~~

(<https://www.doubleradius.com/Manufacturers/ignitenet-accessories/ignitenet-metrolinq-bracket-long-range-icc-bracket-lr.html>)  
SKU: #ICC-BRACKET LR  
Quantity:  
18  
Amount: \$1,109.16

10-w = 616.20  
7-A = 492.96

REMOVE



IgniteNet MetroLinq Alignment Scope  
(<https://www.doubleradius.com/Manufacturers/ignitenet-accessories/IgniteNet-MetroLinq-Alignment-Scope.html>)

\$96.34 ~~\$99.00~~

(<https://www.doubleradius.com/Manufacturers/ignitenet-accessories/IgniteNet-MetroLinq-Alignment-Scope.html>)  
SKU: #ICC-SCOPE 9X50  
Quantity:  
2  
Amount: \$192.68

w

lw



KP Performance 3.5 GHz to 4.2 GHz, + 4.9 GHz to 6.4 GHz, 8-Port Dual Band Sector Antenna (<https://www.doubleradius.com/Manufacturers/proline-antennas/kp-performance-3.5-ghz-to-4.2-ghz-4.9-ghz-to-6.4-ghz-8-port-dual-band-sector-antenna>)

(<https://www.doubleradius.com/Manufacturers/proline-antennas/kp-performance-3.5-ghz-to-4.2-ghz-4.9-ghz-to-6.4-ghz-8-port-dual-band-sector-antenna>)

SKU: #KPP-3S65-5S90-X8

Quantity:

4

Amount: \$2,599.96

M

REMOVE



Ubiquiti airFiber 11FX High Band Duplexer Accessory (<https://www.doubleradius.com/Manufacturers/airFiber/ubiquiti-airfiber-11fx-high-band-duplexer-accessory.html>)

(<https://www.doubleradius.com/Manufacturers/airFiber/ubiquiti-airfiber-11fx-high-band-duplexer-accessory.html>)

\$185.55 ~~\$199.00~~

SKU: #AF-11FX-DUP-1

Quantity:

4

Amount: \$742.20

2 W = 371.10

2 M = 371.10

REMOVE



Ubiquiti 11 GHz airFiber Dish, 35 dBi (<https://www.doubleradius.com/Manufacturers/airFiber-X-Antenna/ubiquiti-11-ghz-airfiber-dish-35-dbi-af-11g35.html>)

(<https://www.doubleradius.com/Manufacturers/airFiber-X-Antenna/ubiquiti-11-ghz-airfiber-dish-35-dbi-af-11g35.html>)

\$379.00

SKU: #AF-11G35

Quantity:

2

Amount: \$758.00

1 - M = 379.00

1 - ~~M~~ = 379.00

REMOVE



Shireen Outdoor CAT5e FTP Shielded 1000ft Spool (DC-1021) (<https://www.doubleradius.com/Manufacturers/Shireen/Shireen-Outdoor-CAT5e-FTP-Shielded-1000ft-Spool-DC-1021.html>)

(<https://www.doubleradius.com/Manufacturers/Shireen/Shireen-Outdoor-CAT5e-FTP-Shielded-1000ft-Spool-DC-1021.html>)

\$157.45 ~~\$255.00~~

SKU: #DC-1021 (Shireen CAT5)

Quantity:

8 - M = 1,259.60  
8 - K = 1,259.60  
8 - W = 1,259.60

Shielded-  
1000ft-Spool-  
DC-1021.html)

24

Amount: \$3,778.80

REMOVE

IgniteNet MetroLinQ 10G Tri-Band Omni Base Station  
(<https://www.doubleradius.com/Manufacturers/MetroLinQ/ignitenet-metrolinq-10g-tri-band-omni-base-station.html>)

\$699.00 ~~\$999.00~~

(<https://www.doubleradius.com/Manufacturers/MetroLinQ/ignitenet-metrolinq-10g-tri-band-omni-base-station.html>)  
Quantity:  
19

Amount: \$13,281.00

REMOVE

Ubiquiti airFiber 11FX  
(<https://www.doubleradius.com/Manufacturers/airFiber/ubiquiti-airfiber-11fx.html>)

\$600.00

(<https://www.doubleradius.com/Manufacturers/airFiber/ubiquiti-airfiber-11fx.html>)  
Quantity:  
2

Amount: \$1,200.00

REMOVE

KP Performance 4-Port Dual-Band OMNI Antenna, 11/12 dBi High Gain  
(<https://www.doubleradius.com/Manufacturers/dual-sector-antennas/kp-performance-4-port-dual-band-omni-antenna-11-12-dbi-high-gain.html>)

\$349.95

(<https://www.doubleradius.com/Manufacturers/dual-sector-antennas/kp-performance-4-port-dual-band-omni-antenna-11-12-dbi-high-gain.html>)  
Quantity:  
4  
Amount: \$1,399.80

REMOVE

www

10-w = 6,990.00

8-A = 5,592.00

1 = W = Landius Agoria = 699.00

1-m = 600.00

7-w = 600.00

2-m = 699.90

2-A = 699.90

ww

REMOVE

Ubiquiti FiberPOE, G2  
(<https://www.doubleradius.com/Manufacturers/PoE/ubiquiti-fiberpoe-g2.html>)

\$29.00

(<https://www.doubleradius.com/Manufacturers/PoE/ubiquiti-fiberpoe-g2.html>)  
SKU: #F-POE-G2  
Quantity:

18

Amount: \$522.00

m

REMOVE



Cambium Power Supply, AC, 48V, 640W  
([https://www.doubleradius.com/Manufacturers/Accessories\\_34/cambium-power-supply-ac-48v-640w.html](https://www.doubleradius.com/Manufacturers/Accessories_34/cambium-power-supply-ac-48v-640w.html))

\$449.00

([https://www.doubleradius.com/Manufacturers/Accessories\\_34/cambium-power-supply-ac-48v-640w.html](https://www.doubleradius.com/Manufacturers/Accessories_34/cambium-power-supply-ac-48v-640w.html))  
SKU: #N00800L10A  
Quantity:

6

Amount: \$2,694.00

2-w = 898.00

4-m = 1796.00

REMOVE

Cambium ePMP 3000 5 GHz Access Point Radio  
(<https://www.doubleradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-5-ghz-access-point-radio.html>)

\$799.00

(<https://www.doubleradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-5-ghz-access-point-radio.html>)  
SKU: #C058910A102A  
Quantity:

6

Amount: \$4,794.00

m

REMOVE

IgniteNet MetroLinq 60 LW Dualband Omni  
(<https://www.doubleradius.com/Manufacturers/MetroLinq/ignitenet-metrolinq-60-lw-dualband-omni.html>)

\$278.02 ~~\$299.00~~

(<https://www.doubleradius.com/Manufacturers/MetroLinq/ignitenet-metrolinq-60-lw-dualband-omni.html>)  
SKU: #ML60LW100S  
Quantity:

Quantity:

A

7

ww

1  
Amount: \$278.02

REMOVE

Ubiquiti UFiber PLC 8 Splitter  
(<https://www.doubleradius.com/Manufacturers/UBNT-Cables/ubiquiti-ufiber-plc-8-splitter.html>)  
\$13.00  
SR#: 40P-SPLITTER8  
Quantity:  
20  
(<https://www.doubleradius.com/Manufacturers/UBNT-Cables/ubiquiti-ufiber-plc-8-splitter.html>)

w

Amount: \$260.00  
Please Call 866-891-3602 for Availability

REMOVE

Ubiquiti UFiber PLC 4 Splitter  
(<https://www.doubleradius.com/Manufacturers/UBNT-Cables/ubiquiti-ufiber-plc-4-splitter.html>)  
\$9.96 ~~\$10.00~~  
SR#: 40P-SPLITTER4  
Quantity:  
20  
(<https://www.doubleradius.com/Manufacturers/UBNT-Cables/ubiquiti-ufiber-plc-4-splitter.html>)

w

Amount: \$199.20  
Please Call 866-891-3602 for Availability

REMOVE

Cambium ePMP™ Force 300-25 Radio  
([https://www.doubleradius.com/Manufacturers/Force/cambium-epmp-force-300-25-radio\\_2.html](https://www.doubleradius.com/Manufacturers/Force/cambium-epmp-force-300-25-radio_2.html))  
\$153.85 ~~\$169.00~~  
SR#: 400689100402A  
Quantity:  
264  
([https://www.doubleradius.com/Manufacturers/Force/cambium-epmp-force-300-25-radio\\_2.html](https://www.doubleradius.com/Manufacturers/Force/cambium-epmp-force-300-25-radio_2.html))

120 -  
144 - ww = 22,154.40  
120 - mp = 18,462.00

Amount: \$40,616.40

REMOVE



Cambium Universal Mounting Bracket, Heavy Duty  
 (https://www.doubleradius.com/Manufacturers/Accessories\_34/Motorola-Universal-Mounting-Bracket-for-900-MHz-Connectorized-Units.html)

\$44.00 ~~\$55.00~~

(https://www.doubleradius.com/Manufacturers/Accessories\_34/Motorola-Universal-Mounting-Bracket-for-900-MHz-Connectorized-Units.html)  
 SKU: #N000900L001A  
 Quantity: 336  
 Amount: \$14,784.00

ww  
 M = 5,280.00  
 A = 3,696.00  
 W = 5,808.00

REMOVE



Cambium CMM 30 VDC Power Supply  
 (https://www.doubleradius.com/Manufacturers/Accessories\_34/Cambium-Power-Supply-Single-Output-Switching-30V-240W-HLG-240H.html)

\$160.00 ~~\$200.00~~

(https://www.doubleradius.com/Manufacturers/Accessories\_34/Cambium-Power-Supply-Single-Output-Switching-30V-240W-HLG-240H.html)  
 SKU: #N000900L055A  
 Quantity: 6  
 Amount: \$960.00

A - 4 = 640.00  
 MP - 2 = 320.00

REMOVE



Cambium Canopy Surge Suppressor  
 (https://www.doubleradius.com/Manufacturers/Accessories\_34/cambium-canopy-surge-suppressor.html)

\$26.00 ~~\$30.00~~

(https://www.doubleradius.com/Manufacturers/Accessories\_34/cambium-canopy-surge-suppressor.html)  
 SKU: #N000900L059  
 Quantity: 105

Amount: \$2,730.00

A

REMOVE



Cambium ePMP™ 1000 Spare Power Supply - Gigabit Ethernet  
 (https://www.doubleradius.com/Manufacturers/Accessories\_34/Cambium-ePMP-1000-Spare-Power-Supply-N000900L001A\_2.html)

\$15.00

(https://www.doubleradius.com/Manufacturers/Accessories\_34/Cambium-ePMP-1000-Spare-Power-Supply-N000900L001A\_2.html)  
 SKU: #N000900L001B  
 Quantity: 84

Amount: \$1,260.00

A

66



Ubiquiti U Fiber, 8-port GPON OLT  
(<https://www.doublerradius.com/Manufacturers/ubiquiti-u-fiber/ubiquiti-u-fiber-8-port-gpon-olt.html>)

\$1,799.00

(<https://www.doublerradius.com/Manufacturers/ubiquiti-u-fiber/ubiquiti-u-fiber-8-port-gpon-olt.html>)  
SKU: #0059100301A  
Quantity:  
4

W

Amount: \$7,196.00

REMOVE

Cambium ePMP 3000 Sector Antenna  
([https://www.doublerradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-sector-antenna\\_2.html](https://www.doublerradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-sector-antenna_2.html))

\$399.00

([https://www.doublerradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-sector-antenna\\_2.html](https://www.doublerradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-sector-antenna_2.html))  
SKU: #0059100301A  
Quantity:  
6

M

Amount: \$2,394.00

REMOVE



Cambium ePMP™ 2000 Smart Antenna  
(<https://www.doublerradius.com/Manufacturers/ePMP-2000/Cambium-ePMP-2000-Smart-Antenna.html>)

\$286.25 ~~\$379.00~~

(<https://www.doublerradius.com/Manufacturers/ePMP-2000/Cambium-ePMP-2000-Smart-Antenna.html>)  
SKU: #0059100320A  
Quantity:  
6

M

Amount: \$1,717.50

REMOVE



Shireen Outdoor CAT6 FTP Shielded 1000ft Spool (DC-2021)  
(<https://www.doublerradius.com/Manufacturers/Shireen/Shireen-Outdoor-CAT6-FTP-Shielded-1000ft-Spool-DC-2021.html>)

\$184.38 ~~\$327.47~~

(<https://www.doublerradius.com/Manufacturers/Shireen/Shireen-Outdoor-CAT6-FTP-Shielded-1000ft-Spool-DC-2021.html>)  
SKU: #00-2021 (Shireen CAT6)  
Quantity:  
11

5 - W = 921.90  
5 - A 921.90  
1 - M 184.38

Amount: \$2,028.18

REMOVE

lw



KP Performance Yagi Antenna, 900MHz Dual Pol - 5 Pack  
(<https://www.doubleradius.com/Manufacturers/kp-performance-1/kp-performance-yagi-antenna-900mhz-dual-pol-5-pack.html>)

\$639.40

(<https://www.doubleradius.com/Manufacturers/kp-performance-1/kp-performance-yagi-antenna-900mhz-dual-pol-5-pack.html>)  
SKU: #KPPA-900DP17  
Quantity:  
12  
Amount: \$7,672.80

4-A 2,557.60  
4-M 2,557.60  
4-W 2,557.60

REMOVE



Gamma Electronics RF Jumper Cable Kit, 4310M-48-SDL  
(<https://www.doubleradius.com/Manufacturers/gamma-electronics-store/gamma-electronics-rf-jumper-cable-kit-4310m-48-sdl.html>)

\$92.50

(<https://www.doubleradius.com/Manufacturers/gamma-electronics-store/gamma-electronics-rf-jumper-cable-kit-4310m-48-sdl.html>)  
SKU: #GPC-11MM-SFLEX-4310M-48-SDL  
Quantity:  
6  
Amount: \$555.00

M

REMOVE



Gamma Electronics Tight Wrap Self Amalgamating Tape  
(<https://www.doubleradius.com/Manufacturers/gamma-electronics-store/gamma-electronics-tight-wrap-self-amalgamating-tape.html>)

\$11.90

(<https://www.doubleradius.com/Manufacturers/gamma-electronics-store/gamma-electronics-tight-wrap-self-amalgamating-tape.html>)  
SKU: #T36A-1.5-70-15  
Quantity:  
20  
Amount: \$238.00

~~10-6 = 117.00~~  
5-M = 59.50  
5-A = 59.50

REMOVE



Cambium Coaxial Cable Installation Assembly Kits (WB3616H)  
 (https://www.doublerradius.com/Manufacturers/Accessories\_34/Coaxial-Cable-Installation-Assembly-Kits.html)

\$200.00 ~~\$250.00~~

(https://www.doublerradius.com/Manufacturers/Accessories\_34/Coaxial-Cable-Installation-Assembly-Kits.html)  
 Quantity:  
 8

Amount: \$1,600.00

REMOVE

Cambium cnPulse Sync Generator  
 (https://www.doublerradius.com/Manufacturers/Accessories\_34/cambium-cnpulse-sync-generator.html)

\$206.22 ~~\$279.00~~

(https://www.doublerradius.com/Manufacturers/Accessories\_34/cambium-cnpulse-sync-generator.html)  
 Quantity:

2

Amount: \$412.44

REMOVE

Cambium CMM5 Power and Sync Injector 29V  
 (https://www.doublerradius.com/Manufacturers/Accessories\_34/cambium-cmm5-power-and-sync-injector-29v.html)

\$1,295.00

(https://www.doublerradius.com/Manufacturers/Accessories\_34/cambium-cmm5-power-and-sync-injector-29v.html)  
 Quantity:

2

Amount: \$2,590.00

REMOVE

Cambium CMM5 Controller  
 (https://www.doublerradius.com/Manufacturers/Accessories\_34/cambium-cmm5-controller-1.html)

\$995.00

(https://www.doublerradius.com/Manufacturers/Accessories\_34/cambium-cmm5-controller-1.html)  
 Quantity:

2

Amount: \$1,990.00

REMOVE



Cambium PTP 450 900 MHz Connectorized Module  
([https://www.doubleradius.com/Manufacturers/Accessories\\_34/Cambium-PTP-450-900-MHz-END-Connectorized.html](https://www.doubleradius.com/Manufacturers/Accessories_34/Cambium-PTP-450-900-MHz-END-Connectorized.html))

\$458.86 ~~\$625.00~~

([https://www.doubleradius.com/Manufacturers/Accessories\\_34/Cambium-PTP-450-900-MHz-END-Connectorized.html](https://www.doubleradius.com/Manufacturers/Accessories_34/Cambium-PTP-450-900-MHz-END-Connectorized.html))  
SKU: #C009045001A  
Quantity: 84

Amount: \$38,544.24

A

REMOVE



Cambium 900 MHz PMP 450i Connectorized Access Point  
(<https://www.doubleradius.com/Manufacturers/PMP-450i/Cambium-900-MHz-PMP-450i-Connectorized-Access-Point.html>)

\$2,447.20 ~~\$3,059.00~~

(<https://www.doubleradius.com/Manufacturers/PMP-450i/Cambium-900-MHz-PMP-450i-Connectorized-Access-Point.html>)  
SKU: #C009045001A  
Quantity: 6  
Amount: \$14,683.20

4 - M 9788.80  
2 - A 4,894.40

REMOVE

IgniteNet MetroLinq 60 LW  
(<https://www.doubleradius.com/Manufacturers/MetroLinq/ignitenet-metrolinq-60-lw.html>)

\$285.09 ~~\$299.00~~

(<https://www.doubleradius.com/Manufacturers/MetroLinq/ignitenet-metrolinq-60-lw.html>)  
SKU: #M1-60-LW-05  
Quantity: 250

Amount: \$71,272.50

W

REMOVE



Ubiquiti U Fiber, Multi-Mode Module, 10G, 2-Pack  
(<https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/ubiquiti-u-fiber-multi-mode-module-10g-2-pack.html>)

\$38.00

(<https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/ubiquiti-u-fiber-multi-mode-module-10g-2-pack.html>)  
SKU: #UF-MM-10G  
Quantity:

W

u-fiber-multi-  
mode-module-  
10g-2-  
pack.html)

5

Amount: \$190.00

REMOVE



Ubiquiti U Fiber, Single-Mode Module, 10G, 2-Pack  
(<https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/Ubiquiti-u-fiber-single-mode-module-10g-2-pack.html>)

\$85.00

(<https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/Ubiquiti-u-fiber-single-mode-module-10g-2-pack.html>)  
SKU: #UP-SM-10G  
Quantity:  
40  
Amount: \$3,400.00  
Please Call 866-891-3602 for Availability

30 - u = 3,550.00  
10 - A = 850.00

REMOVE



MikroTik Encloser SFP+ 3m Direct Attach Cable  
(<https://www.doubleradius.com/Manufacturers/Interfaces/Mikrotik-SFP-direct-attach-cable-3m-SDA0003.html>)

\$36.99 ~~\$39.00~~

(<https://www.doubleradius.com/Manufacturers/Interfaces/Mikrotik-SFP-direct-attach-cable-3m-SDA0003.html>)  
SKU: #SDA0003  
Quantity:  
3  
Amount: \$110.97

u

REMOVE



MikroTik Ethernet Router CCR1016-12S-1S+  
(<https://www.doubleradius.com/Manufacturers/Ethernet-Routers/Mikrotik-Cloud-Core-Router-1016-12S-1S-CCR1016-12S-1S.html>)

\$683.45 ~~\$745.00~~

(<https://www.doubleradius.com/Manufacturers/Ethernet-Routers/Mikrotik-Cloud-Core-Router-1016-12S-1S-CCR1016-12S-1S.html>)  
SKU: #CCR1016-12S-1S+  
Quantity:  
1  
Amount: \$683.45

m

REMOVE

lw

Ubiquiti ToughCable Connectors, 100 pieces - US Version  
(<https://www.doubleradius.com/Manufacturers/TOUGHCable/Ubiquiti-Tough-Cable-Connectors-100pc.html>)

\$48.00 ~~\$49.00~~

(<https://www.doubleradius.com/Manufacturers/TOUGHCable/Ubiquiti-Tough-Cable-Connectors-100pc.html>)  
SKU: #10001  
Quantity:  
2

Amount: \$96.00

W Pa = 48.00

A @ = 48.00

P

REMOVE



Ubiquiti Power Cable  
(<https://www.doubleradius.com/Manufacturers/EdgePoint/ubiquiti-power-cable-12-awg.html>)

\$599.00

(<https://www.doubleradius.com/Manufacturers/EdgePoint/ubiquiti-power-cable-12-awg.html>)  
SKU: #10012  
Quantity:

1

Amount: \$599.00

AA

REMOVE



MikroTik S+RJ10 6-speed RJ-45 Module  
(<https://www.doubleradius.com/Manufacturers/Interfaces/mikrotik-srj10-6-speed-rj-45-module.html>)

\$65.00

(<https://www.doubleradius.com/Manufacturers/Interfaces/mikrotik-srj10-6-speed-rj-45-module.html>)  
SKU: #10010  
Quantity:

1

Amount: \$65.00

w

REMOVE

**ORDER SUMMARY**

Widewater Total

\$ 152,040.70

6% T + 9,122.45

161,163.15

10% Ship + 16,116.32

177,279.47

Subtotal (1924 items)

Ship to: 22485  
Shipping

Grand Total before  
\$326,675.15 TAXES for  
ALL 3

\$14,005.55



**KGI Communications LLC**  
4485 Danube Dr.  
King George, VA 22485 US  
540-709-7070  
info@kgicomm.com

# Estimate

**ADDRESS**

Widewater/Aquia Landing Project  
In-kind

ESTIMATE #	DATE
1008	08/15/2019

ACTIVITY	QTY	RATE	AMOUNT
<b>In-Kind</b> System Engineering	1	15,000.00	15,000.00
<b>In-Kind</b> Residential Installation Discount (346 service units)	346	211.00	73,006.00
<b>In-Kind</b> Performance Bond (3%)	1	6,200.00	6,200.00
<b>In-Kind</b> Widewater State Park - 1 yr PTP 100mbps connection	1	4,000.00	4,000.00
<b>In-Kind</b> Aquia Landing - connection for emergency VOIP	1	1,500.00	1,500.00

TOTAL

**\$99,706.00**

Accepted By

Accepted Date

Aquia Creek Rd-1



EXPRESS TECHNOLOGIES, INC  
1127 INTERNATIONAL PARKWAY SUITE 293  
FREDERICKSBURG, VA 22406  
540.752.6691 (O) 540.752.6694 (F)

**KGI Communications LLC**

Name of Customer: **KGI Communications LLC** Date 7/30/19  

---

Proposal Submitted to: **Michelle Wido**  
Phone # **540-709-7070**  
Email **KGI Communications LLC <kgicomcommunicationsllc@gmail.com>**

We propose to furnish labor and material, for the installation of the scope of work as listed below for the Aquia Creek Rd aerial project.

**Included:**

- Aquia Creek run 9650' aerial
- engineering @ 1.00 pf x 9650'
- strand @ 10400'
- fiber 96 Ct SM
- anchors x20 approx.
- slack loops w/shoes approx 20
- down guys approx 20
- 96 ct fiber @ 13650'
- slack 4000'
- splicing
- 6m strand@ 10000'
- bolts, washers, lashing wire dead ends etc
- anchors x 20
- antennae install x 8
- Dominion meter base installation x 8
- VDOT permits
- Easements
- All engineering, as build drawings.
- Certified test results.
- All Labor & materials required to complete project
- Truck/Tools/Ladders/Safety/ Testing Equipment
- All work to be performed during normal hours
- Warranty as per manufactured equipment specs.

**Excluded**

- Locating private utilities.
- Any delays due to lack of access to required work areas by others shall be additional to the contract amount
- Does not include any weekend, after hours or holiday work.
- Dominion make ready work

**Contract Price \$  
\$87,363.75**



1127 INTERNATIONAL PARKWAY SUITE 293  
FREDERICKSBURG, VA 22406  
540.752.6691 (O) 540.752.6694 (F)

Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Express Technologies Incorporated proposes to furnish all labor and materials to complete the work as specified above. All agreements are contingent upon the availability of materials, equipment and any other delays beyond our control. This proposal is valid for a period of 30 days from the date sent. This price is given as a whole and is not intended to be separated

*Thank you for allowing Express-Tek the chance to bid this project*

Keith Ward  
Project Manager  
**eXpress technologies**  
1127 International Parkway, Suite 293  
Fredericksburg, VA 22406  
t: 540-752-6691  
f: 540-752-6694  
c: 703-851-3023  
[kward@express-tek.com](mailto:kward@express-tek.com)  
[www.express-tek.com](http://www.express-tek.com)



DoubleRadius, Inc.  
2022 Van Buren Ave  
Indian Trail NC  
28079  
US

Aquia Creek Rd - 2

AC

# Quote

#272214

7/30/2019

**Bill To**  
Juan Marte  
KGI Communications, LLC  
4485 DANUBE DR #8A  
KING GEORGE VA 22485  
United States

**Ship To**  
Juan Marte  
KGI Communications, LLC  
4485 DANUBE DR #8A  
KING GEORGE VA 22485  
United States

**TOTAL**

~~\$14,636.70~~

Expires: 8/29/2019

<b>Expires</b> 8/29/2019	<b>Memo</b>	<b>Shipping Method</b> UPS® Ground	<b>Sales Rep</b> Benton Cook
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Quantity	Item	Notes	Rate	Amount
1	<b>Network Products</b> SC3-B48-00-NA  SC-300s Base unit without embedded EPC		\$8,000.00	\$8,000.00
1	<b>Network Products</b> SC3-RAN-LIC  SC-300s RAN Software License		\$1,500.00	\$1,500.00
1	<b>Network Products</b> SC3-CA-LIC  SC-300s Carrier Aggregation License		\$2,000.00	\$2,000.00
1	<b>Network Products</b> SC3-SAS-DP-LIC  SC-300s SAS Domain Proxy License & Digital Certificate		\$1,500.00	\$1,500.00
1	<b>Network Products</b> SC3-EPC-KEY  SC-300s Embedded EPC license key		\$900.00	\$900.00
1	<b>UPS® Ground</b>		\$0.00	\$0.00

**Subtotal** \$13,900.00

**Tax (%)** \$736.70

**Total** \$14,636.70

Ship 10%

1,463.67

16,100.37



272214

Aquia Creek-3



DoubleRadius, Inc.  
2022 Van Buren Ave  
Indian Trail NC  
28079  
US

Quote  
#272209  
7/30/2019

Bill To  
Juan Marte  
KGI Communications, LLC  
4485 DANUBE DR #8A  
KING GEORGE VA 22485  
United States

Ship To  
Juan Marte  
KGI Communications, LLC  
4485 DANUBE DR #8A  
KING GEORGE VA 22485  
United States

TOTAL

~~\$3,098.04~~

Expires: 8/29/2019

Expires  
8/29/2019

Memo

Shipping Method  
UPS@ Ground

Sales Rep  
Benton Cook

Quantity	Item	Notes	Rate	Amount
6	RW-8019-1100 RWIN SmartNode AC-DC RW8000/SM/ACIN/DCOUT/10/UNI AC input and DC out		\$1,599.69	<del>\$1,599.69</del> 9,598.14
1	RW-8019-3200 RWIN SmartNode 35-57VDC, for Solar Panel DC input and DC out RW8000/SM/DCIN/DCOUT/40/UNI		<del>\$1,342.42</del>	<del>\$1,342.42</del>
1	UPS@ Ground		<del>\$0.00</del>	<del>\$0.00</del>

Subtotal ~~\$2,942.11~~  
Tax (5.3%) ~~508.71~~  
Total ~~\$3,098.04~~

9,598.14  
+ 508.71  


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Subtotal 10,106.85  
x 10% Ship 1,010.69  


---

Total 11,117.54



272209

Double Radius

MP4  
Ww-7

ALL

PROCEED TO CHECKOUT  
A Creek-4

W = Widewater / Aquia Landing  
M = Marlborough Pt  
A = Aquia Creek Pt

# SHOPPING CART (53 PRODUCTS, 1924 ITEMS)

 Ubiquiti EdgePoint WISP switch, 16-port  
 (<https://www.doubleradius.com/Manufacturers/EdgePoint/Ubiquiti-EdgePoint-16-Port-Switch.html>)  
 \$513.55 ~~\$529.00~~  
 (https://www.doubleradius.com/Manufacturers/EdgePoint/Ubiquiti-EdgePoint-16-Port-Switch.html)  
 SKU: REP516  
 Quantity: 2  
 Amount: \$1,027.10

M - 513.55  
A - 513.55

REMOVE

 Cambium 900 MHz 12 dBi gain directional antenna (Dual Slant)  
 ([https://www.doubleradius.com/Manufacturers/Antennas\\_18/Cambium-900-MHz-12-dBi-gain-directional-antenna-Dual-Slant.html](https://www.doubleradius.com/Manufacturers/Antennas_18/Cambium-900-MHz-12-dBi-gain-directional-antenna-Dual-Slant.html))  
 \$71.20 ~~\$89.00~~  
 (https://www.doubleradius.com/Manufacturers/Antennas\_18/Cambium-900-MHz-12-dBi-gain-directional-antenna-Dual-Slant.html)  
 SKU: AN09045003A  
 Quantity: 84  
 Amount: \$5,980.80

A

REMOVE

 Cambium cnPilot™ R201P, US, 802.11ac dual band Gigabit WLAN Router with ATA and PoE (<https://www.doubleradius.com/Manufacturers/WiFi/cnPilot-R201P.html>)  
 \$120.00  
 (https://www.doubleradius.com/Manufacturers/WiFi/cnPilot-R201P.html)  
 SKU: PC000006030A  
 Quantity: 320  
 Amount: \$38,400.00

120 - M = 14,400.00  
151 - W = 18,120.00  
49 - A = 5,880.00

REMOVE

REMOVE



Baicells Nova 233 Gen 2 eNodeB Base Station  
(<https://www.doubleradius.com/Manufacturers/nova/baicells-nova-233-gen-2-enodeb-outdoor-base-station.html>)

\$3,999.00

(<https://www.doubleradius.com/Manufacturers/nova/baicells-nova-233-gen-2-enodeb-outdoor-base-station.html>)  
SKU: #NOVA 233 3.5GHz 1W Gen2 (MBS1105)

Quantity:

4

Amount: \$15,996.00

m

REMOVE



Mikrotik Hot Swap -48V DC Telecom Power Supply  
([https://www.doubleradius.com/Manufacturers/Mikrotik-Accessories/mikrotik-hot-swap-48v-dc-telecom-power-supply\\_2.html](https://www.doubleradius.com/Manufacturers/Mikrotik-Accessories/mikrotik-hot-swap-48v-dc-telecom-power-supply_2.html))

\$100.00

([https://www.doubleradius.com/Manufacturers/Mikrotik-Accessories/mikrotik-hot-swap-48v-dc-telecom-power-supply\\_2.html](https://www.doubleradius.com/Manufacturers/Mikrotik-Accessories/mikrotik-hot-swap-48v-dc-telecom-power-supply_2.html))  
SKU: #MWS 48V 12V 150W

Quantity:

8

Amount: \$800.00

w

REMOVE



Ubiquiti Ufiber WiFi (<https://www.doubleradius.com/Manufacturers/ubiquiti-ufiber/ubiquiti-ufiber-wifi.html>)

\$79.00

(<https://www.doubleradius.com/Manufacturers/ubiquiti-ufiber/ubiquiti-ufiber-wifi.html>)  
SKU: #UF-WiFi

Quantity:

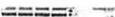
5

Amount: \$395.00

Please Call 866-891-3602 for Availability

w

REMOVE



MikroTik Cloud Router Switch 16xSFP+  
(<https://www.doubleradius.com/Manufacturers/MikroTik-Cloud-Router-Switch-16xSFP.html>)

\$399.00

(<https://www.doubleradius.com/Manufacturers/MikroTik-Cloud-Router-Switch-16xSFP.html>)  
SKU: #CROSS 16xSFP

Quantity:



Switch-  
16xSFP.html)

4

Amount: \$1,596.00

REMOVE

2-W = 798.00

1-M = 399.00

1-A = 399.00

MikroTik Cloud Core Router CCR1072-1G-8S+  
(<https://www.doubleradius.com/Manufacturers/Ethernet-Routers/Mikrotik-Cloud-Core-Router-CCR1072-1G-8S.html>)

\$3,050.00

1-W = 3,050.00

1-M = 3050.00

(<https://www.doubleradius.com/Manufacturers/Ethernet-Routers/Mikrotik-Cloud-Core-Router-CCR1072-1G-8S.html>)  
SKU: #CCR1072-1G-8S+  
Quantity:  
2  
Amount: \$6,100.00

REMOVE



Ubiquiti EdgePower, 54v, 150W  
(<https://www.doubleradius.com/Manufacturers/ubiquiti-edgepower/ubiquiti-edgepower-54v-150w.html>)

\$187.80 ~~\$195.00~~

2-W = 375.60

2-A = 375.60

2-M = 375.60

(<https://www.doubleradius.com/Manufacturers/ubiquiti-edgepower/ubiquiti-edgepower-54v-150w.html>)  
SKU: #EP-54V-150W  
Quantity:  
6

Amount: \$1,126.80

Please Call 866-891-3602 for Availability

REMOVE



Ubiquiti U-Fiber GPON OLT, Class B+ SFP Module - US  
(<https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/Ubiquiti-U-Fiber-GPON-OLT-Class-B-SFP-Module.html>)

\$71.55 ~~\$79.00~~

(<https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/Ubiquiti-U-Fiber-GPON-OLT-Class-B-SFP-Module.html>)  
SKU: #UP-OLT-B+(US)  
Quantity:  
33  
Amount: \$2,361.15

W

REMOVE



IgniteNet's LinqAssist Bluetooth Module  
 (https://www.doubradius.com/Manufacturers/ignitenet-accessories/ignitenet-linqassist-bluetooth-module.html)

\$6.00

(https://www.doubradius.com/Manufacturers/ignitenet-accessories/ignitenet-linqassist-bluetooth-module.html)

Quantity:

3

Amount: \$18.00

j-w = 6.00  
 1 M = 6.00  
 1 A = 6.00

REMOVE



IgniteNet MetroLinq Bracket, Standard  
 (https://www.doubradius.com/Manufacturers/ignitenet-accessories/ignitenet-metrolinq-bracket-standard-icc-bracket-std.html)

\$18.80 ~~\$21.00~~

(https://www.doubradius.com/Manufacturers/ignitenet-accessories/ignitenet-metrolinq-bracket-standard-icc-bracket-std.html)

Quantity:

36

Amount: \$676.80

- w

REMOVE



IgniteNet MetroLinq Bracket, Long Range  
 (https://www.doubradius.com/Manufacturers/ignitenet-accessories/ignitenet-metrolinq-bracket-long-range-icc-bracket-lr.html)

\$61.62 ~~\$69.00~~

(https://www.doubradius.com/Manufacturers/ignitenet-accessories/ignitenet-metrolinq-bracket-long-range-icc-bracket-lr.html)

Quantity:

18

Amount: \$1,109.16

10 - w = 616.20  
 7 - A = 492.96

REMOVE



IgniteNet MetroLinq Alignment Scope  
 (https://www.doubradius.com/Manufacturers/ignitenet-accessories/IgniteNet-MetroLinq-Alignment-Scope.html)

\$96.34 ~~\$99.00~~

(https://www.doubradius.com/Manufacturers/ignitenet-accessories/IgniteNet-MetroLinq-Alignment-Scope.html)

Quantity:

2

Amount: \$192.68

w



KP Performance 3.5 GHz to 4.2 GHz, + 4.9 GHz to 6.4 GHz, 8-Port Dual Band Sector Antenna (<https://www.doubleradius.com/Manufacturers/proline-antennas/kp-performance-3.5-ghz-to-4.2-ghz-4.9-ghz-to-6.4-ghz-8-port-dual-band-sector-antenna>)

(<https://www.doubleradius.com/Manufacturers/proline-antennas/kp-performance-3.5-ghz-to-4.2-ghz-4.9-ghz-to-6.4-ghz-8-port-dual-band-sector-antenna>)  
 SKU: #KPP-3S65-5S90-X8  
 Quantity: 4  
 Amount: \$2,599.96

M

REMOVE



Ubiquiti airFiber 11FX High Band Duplexer Accessory (<https://www.doubleradius.com/Manufacturers/airFiber/ubiquiti-airfiber-11fx-high-band-duplexer-accessory.html>)

(<https://www.doubleradius.com/Manufacturers/airFiber/ubiquiti-airfiber-11fx-high-band-duplexer-accessory.html>)  
 SKU: #AF-11FX-DUP-H  
 Quantity: 4  
 Amount: \$742.20

\$185.55 ~~\$199.00~~

2 W = 371.10

2 M = 371.10

REMOVE



Ubiquiti 11 GHz airFiber Dish, 35 dBi (<https://www.doubleradius.com/Manufacturers/airFiber-X-Antenna/ubiquiti-11-ghz-airfiber-dish-35-dbi-af-11g35.html>)

(<https://www.doubleradius.com/Manufacturers/airFiber-X-Antenna/ubiquiti-11-ghz-airfiber-dish-35-dbi-af-11g35.html>)  
 SKU: #AF-11G35  
 Quantity: 2  
 Amount: \$758.00

\$379.00

1 - M = 379.00

1 - ~~M~~ = 379.00

REMOVE



Shireen Outdoor CAT5e FTP Shielded 1000ft Spool (DC-1021) (<https://www.doubleradius.com/Manufacturers/Shireen/Shireen-Outdoor-CAT5e-FTP-Shielded-1000ft-Spool-DC-1021.html>)

(<https://www.doubleradius.com/Manufacturers/Shireen/Shireen-Outdoor-CAT5e-FTP-Shielded-1000ft-Spool-DC-1021.html>)  
 SKU: #DC-1021 (Shireen CAT5)  
 Quantity:

\$157.45 ~~\$255.00~~

8 - M = ~~1,259.60~~

8 - M = 1,259.60

8 - W = ~~1,259.60~~

Shielded-  
1000ft-Spool-  
DC-1021.html)

24

Amount: \$3,778.80

REMOVE

IgniteNet MetroLinq 10G Tri-Band Omni Base Station  
(<https://www.doubleradius.com/Manufacturers/MetroLinq/ignitenet-metrolinq-10g-tri-band-omni-base-station.html>)

\$699.00 ~~\$999.00~~

(<https://www.doubleradius.com/Manufacturers/MetroLinq/ignitenet-metrolinq-10g-tri-band-omni-base-station.html>)  
SKU: IML-10-10G-300-05  
Quantity:  
19

Amount: \$13,281.00

REMOVE

10-u = 6,990.00

8-A = 5,592.00

1 = ~~W~~inding A 901.00 = 699.00

Ubiquiti airFiber 11FX

(<https://www.doubleradius.com/Manufacturers/airFiber/ubiquiti-airfiber-11fx.html>)

\$600.00

(<https://www.doubleradius.com/Manufacturers/airFiber/ubiquiti-airfiber-11fx.html>)  
SKU: AAF-11FX  
Quantity:

2

Amount: \$1,200.00

REMOVE

1-u = 600.00

2-u = 600.00

KP Performance 4-Port Dual-Band OMNI Antenna, 11/12 dBi High Gain  
(<https://www.doubleradius.com/Manufacturers/dual-sector-antennas/kp-performance-4-port-dual-band-omni-antenna-11-12-dbi-high-gain.html>)

\$349.95

(<https://www.doubleradius.com/Manufacturers/dual-sector-antennas/kp-performance-4-port-dual-band-omni-antenna-11-12-dbi-high-gain.html>)  
SKU: KP-350OMNI11  
Quantity:  
4  
Amount: \$1,399.80

REMOVE

2-u = 699.90

2-A = 699.90

REMOVE

Ubiquiti FiberPOE, G2  
(<https://www.doubleradius.com/Manufacturers/PoE/ubiquiti-fiberpoe-g2.html>)

\$29.00

(<https://www.doubleradius.com/Manufacturers/PoE/ubiquiti-fiberpoe-g2.html>)  
SKU: #F-POE-G2  
Quantity:  
18

*m*

Amount: \$522.00

REMOVE



Cambium Power Supply, AC, 48V, 640W  
([https://www.doubleradius.com/Manufacturers/Accessories\\_34/cambium-power-supply-ac-48v-640w.html](https://www.doubleradius.com/Manufacturers/Accessories_34/cambium-power-supply-ac-48v-640w.html))

\$449.00

([https://www.doubleradius.com/Manufacturers/Accessories\\_34/cambium-power-supply-ac-48v-640w.html](https://www.doubleradius.com/Manufacturers/Accessories_34/cambium-power-supply-ac-48v-640w.html))  
SKU: #N000909101A  
Quantity:  
6

*2-w = 898,00*  
*4-m = 1796,00*

Amount: \$2,694.00

REMOVE

Cambium ePMP 3000 5 GHz Access Point Radio  
(<https://www.doubleradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-5-ghz-access-point-radio.html>)

\$799.00

(<https://www.doubleradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-5-ghz-access-point-radio.html>)  
SKU: #N000910102A  
Quantity:  
6

*m*

Amount: \$4,794.00

REMOVE

IgniteNet MetroLinq 60 LW Dualband Omni  
(<https://www.doubleradius.com/Manufacturers/MetroLinq/ignitenet-metrolinq-60-lw-dualband-omni.html>)

\$278.02 ~~\$299.00~~

(<https://www.doubleradius.com/Manufacturers/MetroLinq/ignitenet-metrolinq-60-lw-dualband-omni.html>)  
SKU: #ML-60-LW-DS-05  
Quantity:

*A*

1  
Amount: \$278.02

REMOVE

  
Ubiquiti UFiber PLC 8 Splitter  
(<https://www.doubleradius.com/Manufacturers/UBNT-Cables/ubiquiti-ufiber-plc-8-splitter.html>)  
SKU: #00689100102A  
\$13.00  
(<https://www.doubleradius.com/Manufacturers/UBNT-Cables/ubiquiti-ufiber-plc-8-splitter.html>)  
Quantity: 20

w

Amount: \$260.00  
Please Call 866-891-3602 for Availability

REMOVE

  
Ubiquiti UFiber PLC 4 Splitter  
(<https://www.doubleradius.com/Manufacturers/UBNT-Cables/ubiquiti-ufiber-plc-4-splitter.html>)  
SKU: #00689100102A  
\$9.96 ~~\$10.00~~  
(<https://www.doubleradius.com/Manufacturers/UBNT-Cables/ubiquiti-ufiber-plc-4-splitter.html>)  
Quantity: 20

w

Amount: \$199.20  
Please Call 866-891-3602 for Availability

REMOVE

  
Cambium ePMP™ Force 300-25 Radio  
([https://www.doubleradius.com/Manufacturers/Force/cambium-epmp-force-300-25-radio\\_2.html](https://www.doubleradius.com/Manufacturers/Force/cambium-epmp-force-300-25-radio_2.html))  
SKU: #00689100102A  
\$153.85 ~~\$169.00~~  
([https://www.doubleradius.com/Manufacturers/Force/cambium-epmp-force-300-25-radio\\_2.html](https://www.doubleradius.com/Manufacturers/Force/cambium-epmp-force-300-25-radio_2.html))  
Quantity: 264

~~1520~~  
144 - WW = 22,154.40  
120 - MP = 18,462.00

Amount: \$40,616.40

REMOVE



Cambium Universal Mounting Bracket, Heavy Duty  
 (https://www.doublerradius.com/Manufacturers/Accessories\_34/Motorola-Universal-Mounting-Bracket-for-900-MHz-Connectorized-Units.html)

\$44.00 ~~\$55.00~~

(https://www.doublerradius.com/Manufacturers/Accessories\_34/Motorola-Universal-Mounting-Bracket-for-900-MHz-Connectorized-Units.html)  
 SKU: #N000900L001A  
 Quantity:  
 336  
 Amount: \$14,784.00

120 M = 5,280.00  
 84 A = 3,696.00  
 132 W = 5,808.00

REMOVE



Cambium CMM 30 VDC Power Supply  
 (https://www.doublerradius.com/Manufacturers/Accessories\_34/Cambium-Power-Supply-Single-Output-Switching-30V-240W-HLG-240H.html)

\$160.00 ~~\$200.00~~

(https://www.doublerradius.com/Manufacturers/Accessories\_34/Cambium-Power-Supply-Single-Output-Switching-30V-240W-HLG-240H.html)  
 SKU: #N000900L055A  
 Quantity:  
 6  
 Amount: \$960.00

A - 4 640.00  
 MP - 2 320.00

REMOVE



Cambium Canopy Surge Suppressor  
 (https://www.doublerradius.com/Manufacturers/Accessories\_34/cambium-canopy-surge-suppressor.html)

\$26.00 ~~\$30.00~~

(https://www.doublerradius.com/Manufacturers/Accessories\_34/cambium-canopy-surge-suppressor.html)  
 SKU: #N000900L059  
 Quantity:

105

Amount: \$2,730.00

A

REMOVE



Cambium ePMP™ 1000 Spare Power Supply - Gigabit Ethernet  
 (https://www.doublerradius.com/Manufacturers/Accessories\_34/Cambium-ePMP-1000-Spare-Power-Supply-N000900L001A\_2.html)

\$15.00

(https://www.doublerradius.com/Manufacturers/Accessories\_34/Cambium-ePMP-1000-Spare-Power-Supply-N000900L001A\_2.html)  
 SKU: #N000900L001B  
 Quantity:  
 84  
 Amount: \$1,260.00

A



Ubiquiti U Fiber, 8-port GPON OLT  
 (https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/ubiquiti-u-fiber-8-port-gpon-olt.html)

\$1,799.00

(https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/ubiquiti-u-fiber-8-port-gpon-olt.html)

Quantity:

4

Amount: \$7,196.00

u

REMOVE

Cambium ePMP 3000 Sector Antenna  
 (https://www.doubleradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-sector-antenna\_2.html)

\$399.00

(https://www.doubleradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-sector-antenna\_2.html)

Quantity:

6

Amount: \$2,394.00

m

REMOVE



Cambium ePMP™ 2000 Smart Antenna  
 (https://www.doubleradius.com/Manufacturers/ePMP-2000/Cambium-ePMP-2000-Smart-Antenna.html)

\$286.25 ~~\$379.00~~

(https://www.doubleradius.com/Manufacturers/ePMP-2000/Cambium-ePMP-2000-Smart-Antenna.html)

Quantity:

6

Amount: \$1,717.50

m

REMOVE



Shireen Outdoor CAT6 FTP Shielded 1000ft Spool (DC-2021)  
 (https://www.doubleradius.com/Manufacturers/Shireen/Shireen-Outdoor-CAT6-FTP-Shielded-1000ft-Spool-DC-2021.html)

\$184.38 ~~\$327.47~~

(https://www.doubleradius.com/Manufacturers/Shireen/Shireen-Outdoor-CAT6-FTP-Shielded-1000ft-Spool-DC-2021.html)

Quantity:

11

Amount: \$2,028.18

5 - u = 921.90  
 5 - A 921.90  
 1 - m 184.38

REMOVE



KP Performance Yagi Antenna, 900MHz Dual Pol - 5 Pack  
(<https://www.doubleradius.com/Manufacturers/kp-performance-1/kp-performance-yagi-antenna-900mhz-dual-pol-5-pack.html>)

\$639.40

(<https://www.doubleradius.com/Manufacturers/kp-performance-1/kp-performance-yagi-antenna-900mhz-dual-pol-5-pack.html>)  
SKU: KP-PA-900P-19  
Quantity:  
12  
Amount: \$7,672.80

4-A 2,552.60  
4-M 2,552.60  
4-W 2,552.60

REMOVE



Gamma Electronics RF Jumper Cable Kit, 4310M-48-SDL  
(<https://www.doubleradius.com/Manufacturers/gamma-electronics-store/gamma-electronics-rf-jumper-cable-kit-4310m-48-sdl.html>)

\$92.50

(<https://www.doubleradius.com/Manufacturers/gamma-electronics-store/gamma-electronics-rf-jumper-cable-kit-4310m-48-sdl.html>)  
SKU: GE-PC-4310M-SFLEX-4310M-48-SDL  
Quantity:  
6  
Amount: \$555.00

M

REMOVE



Gamma Electronics Tight Wrap Self Amalgamating Tape  
(<https://www.doubleradius.com/Manufacturers/gamma-electronics-store/gamma-electronics-tight-wrap-self-amalgamating-tape.html>)

\$11.90

(<https://www.doubleradius.com/Manufacturers/gamma-electronics-store/gamma-electronics-tight-wrap-self-amalgamating-tape.html>)  
SKU: GE-TW-11.90-15  
Quantity:  
20  
Amount: \$238.00

~~10-6 = 119.00~~  
5-M = 59.50  
5-A = 59.50

REMOVE



Cambium Coaxial Cable Installation Assembly Kits (WB3616H)  
 ([https://www.doublerradius.com/Manufacturers/Accessories\\_34/Coaxial-Cable-Installation-Assembly-Kits.html](https://www.doublerradius.com/Manufacturers/Accessories_34/Coaxial-Cable-Installation-Assembly-Kits.html))

\$200.00 ~~\$250.00~~

([https://www.doublerradius.com/Manufacturers/Accessories\\_34/Coaxial-Cable-Installation-Assembly-Kits.html](https://www.doublerradius.com/Manufacturers/Accessories_34/Coaxial-Cable-Installation-Assembly-Kits.html))  
 SKU: WB3616H  
 Quantity:  
 8

Amount: \$1,600.00

REMOVE

Cambium cnPulse Sync Generator  
 ([https://www.doublerradius.com/Manufacturers/Accessories\\_34/cambium-cnpulse-sync-generator.html](https://www.doublerradius.com/Manufacturers/Accessories_34/cambium-cnpulse-sync-generator.html))

\$206.22 ~~\$279.00~~

([https://www.doublerradius.com/Manufacturers/Accessories\\_34/cambium-cnpulse-sync-generator.html](https://www.doublerradius.com/Manufacturers/Accessories_34/cambium-cnpulse-sync-generator.html))  
 SKU: P000000L000A  
 Quantity:

2

Amount: \$412.44

REMOVE

Cambium CMM5 Power and Sync Injector 29V  
 ([https://www.doublerradius.com/Manufacturers/Accessories\\_34/cambium-cmm5-power-and-sync-injector-29v.html](https://www.doublerradius.com/Manufacturers/Accessories_34/cambium-cmm5-power-and-sync-injector-29v.html))

\$1,295.00

([https://www.doublerradius.com/Manufacturers/Accessories\\_34/cambium-cmm5-power-and-sync-injector-29v.html](https://www.doublerradius.com/Manufacturers/Accessories_34/cambium-cmm5-power-and-sync-injector-29v.html))  
 SKU: P000000L020A  
 Quantity:

2

Amount: \$2,590.00

REMOVE

Cambium CMM5 Controller  
 ([https://www.doublerradius.com/Manufacturers/Accessories\\_34/cambium-cmm5-controller-1.html](https://www.doublerradius.com/Manufacturers/Accessories_34/cambium-cmm5-controller-1.html))

\$995.00

([https://www.doublerradius.com/Manufacturers/Accessories\\_34/cambium-cmm5-controller-1.html](https://www.doublerradius.com/Manufacturers/Accessories_34/cambium-cmm5-controller-1.html))  
 SKU: P000000L030A  
 Quantity:

2

Amount: \$1,990.00

REMOVE



Cambium PTP 450 900 MHz Connectorized Module  
([https://www.doublerradius.com/Manufacturers/Accessories\\_34/Cambium-PTP-450-900-MHz-END-Connectorized.html](https://www.doublerradius.com/Manufacturers/Accessories_34/Cambium-PTP-450-900-MHz-END-Connectorized.html))

\$458.86 ~~\$625.00~~

([https://www.doublerradius.com/Manufacturers/Accessories\\_34/Cambium-PTP-450-900-MHz-END-Connectorized.html](https://www.doublerradius.com/Manufacturers/Accessories_34/Cambium-PTP-450-900-MHz-END-Connectorized.html))  
Quantity: 84

Amount: \$38,544.24

A

REMOVE



Cambium 900 MHz PMP 450i Connectorized Access Point  
(<https://www.doublerradius.com/Manufacturers/PMP-450i/Cambium-900-MHz-PMP-450i-Connectorized-Access-Point.html>)

\$2,447.20 ~~\$3,059.00~~

(<https://www.doublerradius.com/Manufacturers/PMP-450i/Cambium-900-MHz-PMP-450i-Connectorized-Access-Point.html>)  
Quantity: 6  
Amount: \$14,683.20

4 - M 9788.80  
~~2 - A 4,894.40~~

REMOVE



IgniteNet MetroLinq 60 LW  
(<https://www.doublerradius.com/Manufacturers/MetroLinq/ignitenet-metrolinq-60-lw.html>)

\$285.09 ~~\$299.00~~

(<https://www.doublerradius.com/Manufacturers/MetroLinq/ignitenet-metrolinq-60-lw.html>)  
Quantity: 250

Amount: \$71,272.50

W

REMOVE



Ubiquiti U Fiber, Multi-Mode Module, 10G, 2-Pack  
(<https://www.doublerradius.com/Manufacturers/ubiquiti-u-fiber/ubiquiti-u-fiber-multi-mode-module-10g-2-pack.html>)

\$38.00

(<https://www.doublerradius.com/Manufacturers/ubiquiti-u-fiber/ubiquiti-u-fiber-multi-mode-module-10g-2-pack.html>)  
Quantity:

W

u-fiber-multi-  
mode-module-  
10g-2-  
pack.html)

5  
Amount: \$190.00

REMOVE



Ubiquiti U Fiber, Single-Mode Module, 10G, 2-Pack  
(<https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/Ubiquiti-u-fiber-single-mode-module-10g-2-pack.html>)

\$85.00

(<https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/Ubiquiti-u-fiber-single-mode-module-10g-2-pack.html>)  
SKU: #UP-SM-10G  
Quantity:  
40  
Amount: \$3,400.00  
Please Call 866-891-3602 for Availability

30 - u = 3,550.00  
~~10 - A = 850.00~~

REMOVE



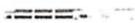
MikroTik Encloser SFP+ 3m Direct Attach Cable  
(<https://www.doubleradius.com/Manufacturers/Interfaces/Mikrotik-SFP-direct-attach-cable-3m-SDA0003.html>)

\$36.99 ~~\$39.00~~

(<https://www.doubleradius.com/Manufacturers/Interfaces/Mikrotik-SFP-direct-attach-cable-3m-SDA0003.html>)  
SKU: #SDA0003  
Quantity:  
3  
Amount: \$110.97

u

REMOVE



MikroTik Ethernet Router CCR1016-12S-1S+  
(<https://www.doubleradius.com/Manufacturers/Ethernet-Routers/Mikrotik-Cloud-Core-Router-1016-12S-1S-CCR1016-12S-1S.html>)

\$683.45 ~~\$745.00~~

(<https://www.doubleradius.com/Manufacturers/Ethernet-Routers/Mikrotik-Cloud-Core-Router-1016-12S-1S-CCR1016-12S-1S.html>)  
SKU: #CCR1016-12S-1S+  
Quantity:  
1  
Amount: \$683.45

u

REMOVE

Ubiquiti ToughCable Connectors, 100 pieces - US Version  
(<https://www.doublerradius.com/Manufacturers/TOUGHCable/Ubiquiti-Tough-Cable-Connectors-100pc.html>)

\$48.00 ~~\$49.00~~

(<https://www.doublerradius.com/Manufacturers/TOUGHCable/Ubiquiti-Tough-Cable-Connectors-100pc.html>)  
SKU: #TC-100  
Quantity:  
2

Amount: \$96.00

W A = 48.00

A Q = 48.00

F

REMOVE



Ubiquiti Power Cable  
(<https://www.doublerradius.com/Manufacturers/EdgePoint/ubiquiti-power-cable-12-awg.html>)

\$599.00

(<https://www.doublerradius.com/Manufacturers/EdgePoint/ubiquiti-power-cable-12-awg.html>)  
SKU: #PC-12  
Quantity:

1

Amount: \$599.00

AA

REMOVE



MikroTik S+RJ10 6-speed RJ-45 Module  
(<https://www.doublerradius.com/Manufacturers/Interfaces/mikrotik-srj10-6-speed-rj-45-module.html>)

\$65.00

(<https://www.doublerradius.com/Manufacturers/Interfaces/mikrotik-srj10-6-speed-rj-45-module.html>)  
SKU: #SRJ10  
Quantity:

1

Amount: \$65.00

w

REMOVE

**ORDER SUMMARY**

Subtotal (1924 items)

Ship to: 22485  
Shipping

Aguia Creek Rd  
77,998.27  
C.T + 4,679.90  
82,678.17  
10/5/18 + 8,267.82  
90,945.99

~~\$326,675.15~~

~~\$14,005.55~~

Aquia Creek Rd. - 1

**Estimate**



**KGI Communications LLC**  
4485 Danube Dr.  
King George, VA 22485 US  
540-709-7070  
info@kgicomm.com

ADDRESS
Aquia Creek Rd Project In-kind

ESTIMATE #	DATE
1007	08/15/2019

ACTIVITY	QTY	RATE	AMOUNT
<b>In-Kind</b> System Engineering	1	15,000.00	15,000.00
<b>In-Kind</b> Residential Installation Discount (119 service units)	119	211.00	25,109.00
<b>In-Kind</b> Aquia Bay Marina N/C Lease (\$300/mo x 5 years, includes 3% yearly price increase)	1	19,113.00	19,113.00

TOTAL **\$59,222.00**

Accepted By

Accepted Date

My Quote

Cart Number: 203468  
Payment Method: Purchase Order

Date: 07/30/19 10:49 AM

Ship To

KGI Communications LLC  
Suite 8A  
KING GEORGE, VA 22485

Bill To

KGI Communications LLC  
Suite 8A  
KING GEORGE, VA 22485

Customer #: 140354  
Phone: 540-709-7070

Customer #: 140354  
Phone: 540-709-7070  
E-mail: KGICOMMUNICATIONSLLC@GMAIL.COM

Shipping Method

Ship Via: BEST METHOD - GROUND  
Ship Complete:  
Comments:

Additional

Cart Type: Quote  
Release Number:  
Customer Job #:  
Required Date:  
PO Number:

Products

Product	Description	Quantity	Unit Meas	P/O Line	Suggested Retail Price	Extended
ANDHFT1206-24SV2-110	110' Lo Ind Hybrid Trunk Cable 24 SM Fiber + 12 x 6AWG Cond	1	EA		4103.82 3283.05	3283.05
MTSS-600	72" Stand-off Bracket with 32" x 1-7/8" OD Antenna Mounting Pipe	3	EA		288.27 230.62	691.86
MTSL5-SB50	8" to 16" OD Vertical or Tapered Leg Clamp Set for Stand-off Brackets, 2/Pkg	8	EA		165.83 132.67	1061.36
AND294571	I-Line Angle Adapter Stainless Steel Kit with 3/4" Hole (Snap-Ins), 10/Pkg	10	EA		36.03 24.87	248.70
AND43211A	Hanger Kit for 1/2" or 3/8" Coax, EW180/220, 10/Pkg	10	EA		19.89 16.71	167.10
ANDHFT1206-24SV2-120	120' Low Inductance Hybrid Trunk Cable 24 SM Fiber + 12 x 6AWG Conductor	1	EA		4540.00 3632.00	3632.00
ANDFE-14126-E	14"x12"x6" Excess Fiber Cable Management Encl, 100 Ft max	1	EA		390.10 312.08	312.08
HNS84125915	19" Rack Mountable Fiber Junction Box	3	EA		139.67 111.73	335.19
HNS85008377	1x1 20Ft Hybrid Jumper	20	EA		301.47 241.17	4823.40
HNS85077776	Univ Grnd Kit 5' w/unatt 1/4"	2	EA		30.53 22.90	45.80
FBRRMP2402SMLCDO	Fiber Panel Rmt 1U LCU SM DUP 12FBR SM/DX Adapt 12SM LC Dplx	3	EA		352.00 251.68	755.04
ANDPWRT-210-S	2-Conductor #10 Shielded 600V Power Cable with Drain & #10 Bare Ground Wire	500	FT		3.07 1.40	700.00
MTSPM-XT-36	63" x 4-1/2" OD 36" Tower Stand-Off Pipe Mount	3	EA		534.13 427.30	1281.90

Merchandise Total \$17,337.48

Estimated Freight TBD

Estimated Tax \$0.00 -1,040.25 T 6%

Total \$17,337.48

NOTE: All quotes are FOB origin unless otherwise specified. Delivery charges and sales tax shown are estimated. Your final costs may be higher or lower, based on shipment method(s) and delivery location(s). Quotations are valid for 30 days.

16,377.73 sub-TTL  
 + 1,837.78  
 -----  
 20,215.51 TTL

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- Careers
- FAQ's
- Locations
- Return Policy
- Terms and Conditions
- Quality Policy
- Sitemap

Shipping 10%



MP-2  
QUOTATION 961069

MP  
Corporate Address  
12976 Sandoval Street  
Santa Fe Springs, CA 90670  
800.949.7079  
sales@talleycom.com

Date: 02/18/19  
Prepared By: BRAD STEVENSON  
Email: bstevenson@talleycom.com  
Phone: 800-949-7079 Ext: 1903

Page: 1 OF 2  
Requested By: JUAN MARTE  
Customer P/O: ROHN TOWER PARTS  
Release #:

Bill To: 140354  
KGI Communications LLC  
Suite 8A  
KING GEORGE, VA 22485

Job #:  
Ship To: KGI COMMUNICAIONS, LLC  
4485 DANUBE DRIVE  
SUITE 8A  
KING GEORGE, VA 22485

Terms: CREDIT CARD

Ship Via: BEST METHOD - GROUND

Product Description	Quantity	Unit Price	U/M	Extended Price
<b>ROH45G</b> 10 Ft, 18" Galv Equilateral Triangular Tower Section	9	240.8200	EA	2,167.38
<b>ROHDM45G2</b> FACE DISH MOUNT 2-3/8" O.D. 5' LONG	4	200.0000	EA	800.00
<b>ROHBPH45G</b> Hinged Base Plate for 45G	1	735.6200	EA	735.62
<b>ROHGA45GD</b> Guy Wire Bracket Assembly for 45G Tower Sections	4	175.8500	EA	703.40
<b>ROHBPL45G</b> 45G Top Plate for TB3 & TB4 Bearings	1	207.9500	EA	207.95
<b>ROHEF2545</b> 12 Ft Erection Pole & Clamp Head for 25/45G Tower Sections	1	913.3300	EA	913.33
<b>ROHTA45</b> 45G TORQUE ARM STABILIZER	1	430.8300	EA	430.83
<b>ROH45TGIA</b> 10 Ft Tapered Base Assembly for 45G 4197	1	1467.1200	EA	1,467.12
<b>ROH45AG2</b> 9.5 Ft Top Section for 45G w/18"(L) 2-3/8" OD Supp Tube	2	325.5000	EA	651.00

Continued

NOTE: All quotes are FOB origin unless otherwise specified. Freight charges and taxes are determined at the time of shipping. Quotations are valid for 30 days. All quotes subject to Talley terms and conditions.

Atlanta . Chicago . Dallas . Denver . Kansas City . Los Angeles . Minneapolis . New York . Phoenix . Sacramento . Seattle



QUOTATION 961069

Corporate Address  
12976 Sandoval Street  
Santa Fe Springs, CA 90670  
800.949.7079  
sales@talleycom.com

Date: 02/18/19  
Prepared By: BRAD STEVENSON  
Email: bstevenson@talleycom.com  
Phone: 800-949-7079 Ext: 1903

Page: 2 OF 2  
Requested By: JUAN MARTE  
Customer P/O: ROHN TOWER PARTS  
Release #:

Bill To: 140354  
KGI Communications LLC  
Suite 8A  
KING GEORGE, VA 22485

Job #:  
Ship To: KGI COMMUNICAIONS, LLC  
4485 DANUBE DRIVE  
SUITE 8A  
KING GEORGE, VA 22485

Terms: CREDIT CARD

Ship Via: BEST METHOD - GROUND

Product Description	Quantity	Unit Price	U/M	Extended Price
<b>ROHCPC1/1.25</b> Guy Anchor Clamp for 1" to 1-1/4" OD Ground Rods	6	38.6300	EA	231.78
<b>ROH5006</b> 1/2" X 6 Ft Copper Ground Rod	6	30.3800	EA	182.28
<b>ROHGM35</b> PACKAGE HDWRE CW4ST 45/340017T	3	121.6700	EA	365.01
<b>ROH3/4TBE&amp;J</b> 3/4" TURNBUCKLE EYE & JAW	24	118.3300	EA	2,839.92
<b>ROHGAC5955TOP</b> ROD ANCHOR 5955 1.44"DBL R 20'	3	1175.3500	EA	3,526.05
<b>ROHGC65270</b> END SLEEVE, HDG, 7/8"	24	10.1000	EA	242.40
<b>ROH3/8THH</b> 3/8" Heavy Duty Thimble for 1/4" or 5/16" Guy Wire	24	2.7500	EA	66.00
<b>ROH1/4EHS1000</b> 1/4" Extra Heavy Strength Guy Wire, 1000 Ft/Coil	1	314.1700	EA	314.17

+ Permiso 10000  
MAS INSTALACION

TTL  
6%

346  
TTL

950.61

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

Date: \_\_\_\_\_

Shop Online: www.Talleycom.com

MDSE Total	15,844.24
Tax	TBD
Est. Freight	TBD
Total	15,844.24

16,794.90  
12%  
SHIP + 1679.49

= 18,474.39 TTL

NOTE: All quotes are FOB origin unless otherwise specified. Freight charges and taxes are determined at the time of shipping. Quotations are valid for 30 days. All quotes subject to Talley terms and conditions.

Atlanta . Chicago . Dallas . Denver . Kansas City . Los Angeles . Minneapolis . New York . Phoenix . Sacramento . Seattle

My Quote

Cart Number: 204954  
Payment Method: Purchase Order

Date: 07/30/19 10:50 AM

Ship To

KGI Communications LLC  
Suite 8A  
KING GEORGE, VA 22485

Bill To

KGI Communications LLC  
Suite 8A  
KING GEORGE, VA 22485  
Customer #: 140354  
Phone: 540-709-7070  
E-mail: KGICOMMUNICATIONSLLC@GMAIL.COM

Customer #: 140354  
Phone: 540-709-7070

Shipping Method

Ship Via: BEST METHOD - GROUND  
Ship Complete:  
Comments:

Additional

Cart Type: Quote  
Release Number:  
Customer Job #:  
Required Date:  
PO Number:

Products

Product	Description	Quantity	Unit Meas	P/O Line	Suggested Retail Price	Extended
MTSPM-SU4-B	Universal Sliding Pipe Mount Kit for 4-1/2" OD Pipe, 8" Standoff	3	EA		305.16 244.13	732.39

Merchandise Total \$732.39

Estimated Freight TBD

Estimated Tax \$0.00

Total \$732.39

NOTE: All quotes are FOB origin unless otherwise specified. Delivery charges and sales tax shown are estimated. Your final costs may be higher or lower, based on shipment method(s) and delivery location(s). Quotations are valid for 30 days.

- 43.95 - 6% TAX  
 776.34 - sub+TL  
 10%  
 + 27.64 - ship  
 853.98 - TTL

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- Quality Policy
- Sitemap

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- Training
- Trade Shows
- Resource Library
- Verizon MMDD

- Contact Us
- Register
- Customer Satisfaction Survey

We accept the following forms of payment:



Double Radius

MP4  
Ww-7

MP-1

ALL

PROCEED TO CHECKOUT

AACreek-4

W = Widewater Landing  
M = Marlborough Pt.  
A = Aquia Creek Rd

# SHOPPING CART (53 PRODUCTS, 1924 ITEMS)

 Ubiquiti EdgePoint WISP switch, 16-port  
 (<https://www.doubleradius.com/Manufacturers/EdgePoint/Ubiquiti-EdgePoint-16-Port-Switch.html>)  
 \$513.55 ~~\$529.00~~  
 (SKU: #EP16)  
 (<https://www.doubleradius.com/Manufacturers/EdgePoint/Ubiquiti-EdgePoint-16-Port-Switch.html>)  
 Quantity: 2  
 Amount: \$1,027.10

M - 513.55  
A - 513.55

REMOVE

 Cambium 900 MHz 12 dBi gain directional antenna (Dual Slant)  
 ([https://www.doubleradius.com/Manufacturers/Antennas\\_18/Cambium-900-MHz-12-dBi-gain-directional-antenna-Dual-Slant.html](https://www.doubleradius.com/Manufacturers/Antennas_18/Cambium-900-MHz-12-dBi-gain-directional-antenna-Dual-Slant.html))  
 \$71.20 ~~\$89.00~~  
 (SKU: #AN09045D009A)  
 ([https://www.doubleradius.com/Manufacturers/Antennas\\_18/Cambium-900-MHz-12-dBi-gain-directional-antenna-Dual-Slant.html](https://www.doubleradius.com/Manufacturers/Antennas_18/Cambium-900-MHz-12-dBi-gain-directional-antenna-Dual-Slant.html))  
 Quantity: 84  
 Amount: \$5,980.80

A

REMOVE

 Cambium cnPilot™ R201P, US, 802.11ac dual band Gigabit WLAN Router with ATA and PoE  
 (<https://www.doubleradius.com/Manufacturers/WiFi/cnPilot-R201P.html>)  
 \$120.00  
 (SKU: #C000600L030A)  
 (<https://www.doubleradius.com/Manufacturers/WiFi/cnPilot-R201P.html>)  
 Quantity: 320  
 Amount: \$38,400.00

120 - M = 14,400.00  
151 - W = 18,120.00  
49 - A = 5,880.00

REMOVE

REMOVE

 Baicells Nova 233 Gen 2 eNodeB Base Station  
 (https://www.doubleradius.com/Manufacturers/nova/baicells-nova-233-gen-2-enodeb-outdoor-base-station.html)  
 \$3,999.00  
 (https://www.doubleradius.com/Manufacturers/nova/baicells-nova-233-gen-2-enodeb-outdoor-base-station.html) SKU: #NOVA-233-5.5GHz-1W-Gen2 (MBS1105)  
 Quantity: *m*  
 4  
 Amount: \$15,996.00

REMOVE

 Mikrotik Hot Swap -48V DC Telecom Power Supply  
 (https://www.doubleradius.com/Manufacturers/Mikrotik-Accessories/mikrotik-hot-swap-48v-dc-telecom-power-supply\_2.html)  
 \$100.00  
 (https://www.doubleradius.com/Manufacturers/Mikrotik-Accessories/mikrotik-hot-swap-48v-dc-telecom-power-supply\_2.html) SKU: #HW-48V-12V-150W  
 Quantity: *w*  
 8  
 Amount: \$800.00

REMOVE

 Ubiquiti UFiber WiFi (https://www.doubleradius.com/Manufacturers/ubiquiti-ufiber/ubiquiti-ufiber-wifi.html)  
 \$79.00  
 (https://www.doubleradius.com/Manufacturers/ubiquiti-ufiber/ubiquiti-ufiber-wifi.html) SKU: #UF-WiFi  
 Quantity: *w*  
 5  
 Amount: \$395.00  
 Please Call 866-891-3602 for Availability

REMOVE

 MikroTik Cloud Router Switch 16xSFP+  
 (https://www.doubleradius.com/Manufacturers/MikroTik-Cloud-Router-Switch-16xSFP.html)  
 \$399.00  
 (https://www.doubleradius.com/Manufacturers/MikroTik-Cloud-Router-Switch-16xSFP.html) SKU: #CRS317-16-16S+RM  
 Quantity: *↓*

mp-3

Switch-16xSFP.html)

4

Amount: \$1,596.00

REMOVE

2-W = 798.00

1-M = 399.00

1-A = 399.00

MikroTik Cloud Core Router CCR1072-1G-8S+  
(https://www.doubleradius.com/Manufacturers/Ethernet-Routers/Mikrotik-Cloud-Core-Router-CCR1072-1G-8S.html)

\$3,050.00

(https://www.doubleradius.com/Manufacturers/Ethernet-Routers/Mikrotik-Cloud-Core-Router-CCR1072-1G-8S.html)

Quantity:

2

Router-CCR1072-1G-8S.html)

Amount: \$6,100.00

REMOVE

1-W = 3,050.00

1-M = 3,050.00



Ubiquiti EdgePower, 54v, 150W  
(https://www.doubleradius.com/Manufacturers/ubiquiti-edgepower/ubiquiti-edgepower-54v-150w.html)

\$187.80 ~~\$195.00~~

(https://www.doubleradius.com/Manufacturers/ubiquiti-edgepower/ubiquiti-edgepower-54v-150w.html)

Quantity:

6

Amount: \$1,126.80

Please Call 866-891-3602 for Availability

REMOVE

2-W = 375.60

2-A = 375.60

2-M = 375.60



Ubiquiti U-Fiber GPON OLT, Class B+ SFP Module - US  
(https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/Ubiquiti-U-Fiber-GPON-OLT-Class-B-SFP-Module.html)

\$71.55 ~~\$79.00~~

(https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/Ubiquiti-U-Fiber-GPON-OLT-Class-B-SFP-Module.html)

Quantity:

33

Amount: \$2,361.15

REMOVE

W

mp-4



IgniteNet's LinqAssist Bluetooth Module  
(<https://www.doublerradius.com/Manufacturers/ignitenet-accessories/ignitenet-linqassist-bluetooth-module.html>)

\$6.00

j-w = 6.00  
1 M = 6.00  
1 A = 6.00

(<https://www.doublerradius.com/Manufacturers/ignitenet-accessories/ignitenet-linqassist-bluetooth-module.html>)

Quantity:

3

Amount: \$18.00

REMOVE



IgniteNet MetroLinq Bracket, Standard  
(<https://www.doublerradius.com/Manufacturers/ignitenet-accessories/ignitenet-metrolinq-bracket-standard-icc-bracket-std.html>)

\$18.80 ~~\$21.00~~

(<https://www.doublerradius.com/Manufacturers/ignitenet-accessories/ignitenet-metrolinq-bracket-standard-icc-bracket-std.html>)

Quantity:

36

Amount: \$676.80

- w

REMOVE



IgniteNet MetroLinq Bracket, Long Range  
(<https://www.doublerradius.com/Manufacturers/ignitenet-accessories/ignitenet-metrolinq-bracket-long-range-icc-bracket-lr.html>)

\$61.62 ~~\$69.00~~

10-w = 616.20  
7-A = 492.96

(<https://www.doublerradius.com/Manufacturers/ignitenet-accessories/ignitenet-metrolinq-bracket-long-range-icc-bracket-lr.html>)

Quantity:

18

Amount: \$1,109.16

REMOVE



IgniteNet MetroLinq Alignment Scope  
(<https://www.doublerradius.com/Manufacturers/ignitenet-accessories/IgniteNet-MetroLinq-Alignment-Scope.html>)

\$96.34 ~~\$99.00~~

w

(<https://www.doublerradius.com/Manufacturers/ignitenet-accessories/IgniteNet-MetroLinq-Alignment-Scope.html>)

Quantity:

2

Amount: \$192.68



KP Performance 3.5 GHz to 4.2 GHz, + 4.9 GHz to 6.4 GHz, 8-Port Dual Band Sector Antenna (<https://www.doubleradius.com/Manufacturers/proline-antennas/kp-performance-3.5-ghz-to-4.2-ghz-4.9-ghz-to-6.4-ghz-8-port-dual-band-sector-antenna>)

(<https://www.doubleradius.com/Manufacturers/proline-antennas/kp-performance-3.5-ghz-to-4.2-ghz-4.9-ghz-to-6.4-ghz-8-port-dual-band-sector-antenna>)

SKU: #KPP-3S65-5S90-X8

Quantity:

4

Amount: \$2,599.96

M

REMOVE



Ubiquiti airFiber 11FX High Band Duplexer Accessory (<https://www.doubleradius.com/Manufacturers/airFiber/ubiquiti-airfiber-11fx-high-band-duplexer-accessory.html>)

(<https://www.doubleradius.com/Manufacturers/airFiber/ubiquiti-airfiber-11fx-high-band-duplexer-accessory.html>)

\$185.55 ~~\$199.00~~

SKU: #AF-11FX-DUP-H

Quantity:

4

Amount: \$742.20

2 W = 371.10

2 M = 371.10

REMOVE



Ubiquiti 11 GHz airFiber Dish, 35 dBi (<https://www.doubleradius.com/Manufacturers/airFiber-X-Antenna/ubiquiti-11-ghz-airfiber-dish-35-dbi-af-11g35.html>)

(<https://www.doubleradius.com/Manufacturers/airFiber-X-Antenna/ubiquiti-11-ghz-airfiber-dish-35-dbi-af-11g35.html>)

\$379.00

SKU: #AF-11g35

Quantity:

2

Amount: \$758.00

1 - M = 379.00

1 - W = 379.00

REMOVE



Shireen Outdoor CAT5e FTP Shielded 1000ft Spool (DC-1021) (<https://www.doubleradius.com/Manufacturers/Shireen/Shireen-Outdoor-CAT5e-FTP-Shielded-1000ft-Spool-DC-1021.html>)

(<https://www.doubleradius.com/Manufacturers/Shireen/Shireen-Outdoor-CAT5e-FTP-Shielded-1000ft-Spool-DC-1021.html>)

\$157.45 ~~\$255.00~~

SKU: #DC-1021 (Shireen CAT)

Quantity:

8 - M = 1,259.60  
8 - W = 1,259.60  
8 - K = 1,259.60  
8 - W = 1,259.60

MP-6

Shielded-  
1000ft-Spool-  
DC-1000 ( tml)

24

Amount: \$3,778.80

REMOVE

IgniteNet MetroLinQ 10G Tri-Band Omni Base Station  
(<https://www.doublerradius.com/Manufacturers/MetroLinQ/ignitenet-metrolinq-10g-tri-band-omni-base-station.html>)

\$699.00 ~~\$999.00~~

(<https://www.doublerradius.com/Manufacturers/MetroLinQ/ignitenet-metrolinq-10g-tri-band-omni-base-station.html>)  
Quantity:  
19

Amount: \$13,281.00

REMOVE

Ubiquiti airFiber 11FX  
(<https://www.doublerradius.com/Manufacturers/airFiber/ubiquiti-airfiber-11fx.html>)

\$600.00

(<https://www.doublerradius.com/Manufacturers/airFiber/ubiquiti-airfiber-11fx.html>)  
Quantity:  
2

Amount: \$1,200.00

REMOVE

KP Performance 4-Port Dual-Band OMNI Antenna, 11/12 dBi High Gain  
(<https://www.doublerradius.com/Manufacturers/dual-sector-antennas/kp-performance-4-port-dual-band-omni-antenna-11-12-dbi-high-gain.html>)

\$349.95

(<https://www.doublerradius.com/Manufacturers/dual-sector-antennas/kp-performance-4-port-dual-band-omni-antenna-11-12-dbi-high-gain.html>)  
Quantity:  
4

Amount: \$1,399.80

REMOVE

10-U = 6,990.00

8-A = 5,592.00

1-W = Landing Area = 699.00

1-M = 600.00

2-U = 600.00

2-M = 699.90

2-A = 699.90

MP-7

REMOVE

Ubiquiti FiberPOE, G2  
(<https://www.doubleradius.com/Manufacturers/PoE/ubiquiti-fiberpoe-g2.html>)

\$29.00

SKU: #F-POE-G2

(<https://www.doubleradius.com/Manufacturers/PoE/ubiquiti-fiberpoe-g2.html>)  
Quantity:

18

Amount: \$522.00

M

REMOVE



Cambium Power Supply, AC, 48V, 640W  
([https://www.doubleradius.com/Manufacturers/Accessories\\_34/cambium-power-supply-ac-48v-640w.html](https://www.doubleradius.com/Manufacturers/Accessories_34/cambium-power-supply-ac-48v-640w.html))

\$449.00

([https://www.doubleradius.com/Manufacturers/Accessories\\_34/cambium-power-supply-ac-48v-640w.html](https://www.doubleradius.com/Manufacturers/Accessories_34/cambium-power-supply-ac-48v-640w.html))  
SKU: #ND00000L101A  
Quantity:

6

Amount: \$2,694.00

2-W = 898.00

4-M = 1796.00

REMOVE

Cambium ePMP 3000 5 GHz Access Point Radio  
(<https://www.doubleradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-5-ghz-access-point-radio.html>)

\$799.00

(<https://www.doubleradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-5-ghz-access-point-radio.html>)  
SKU: #CD0000101A  
Quantity:

6

Amount: \$4,794.00

M

REMOVE

IgniteNet MetroLinq 60 LW Dualband Omni  
(<https://www.doubleradius.com/Manufacturers/MetroLinq/ignitenet-metrolinq-60-lw-dualband-omni.html>)

\$278.02 ~~\$299.00~~

(<https://www.doubleradius.com/Manufacturers/MetroLinq/ignitenet-metrolinq-60-lw-dualband-omni.html>)  
SKU: #ML60LWDOUS  
Quantity:

Quantity:

A

7

1

Amount: \$278.02

REMOVE

Ubiquiti UFiber PLC 8 Splitter

(<https://www.doublerradius.com/Manufacturers/UBNT-Cables/ubiquiti-ufiber-plc-8-splitter.html>)

\$13.00

(<https://www.doublerradius.com/Manufacturers/UBNT-Cables/ubiquiti-ufiber-plc-8-splitter.html>)

Quantity:

20

W

Amount: \$260.00

Please Call 866-891-3602 for Availability

REMOVE

Ubiquiti UFiber PLC 4 Splitter

(<https://www.doublerradius.com/Manufacturers/UBNT-Cables/ubiquiti-ufiber-plc-4-splitter.html>)

\$9.96 ~~\$10.00~~

(<https://www.doublerradius.com/Manufacturers/UBNT-Cables/ubiquiti-ufiber-plc-4-splitter.html>)

Quantity:

20

W

Amount: \$199.20

Please Call 866-891-3602 for Availability

REMOVE

Cambium ePMP™ Force 300-25 Radio

([https://www.doublerradius.com/Manufacturers/Force/cambium-epmp-force-300-25-radio\\_2.html](https://www.doublerradius.com/Manufacturers/Force/cambium-epmp-force-300-25-radio_2.html))

\$153.85 ~~\$169.00~~

([https://www.doublerradius.com/Manufacturers/Force/cambium-epmp-force-300-25-radio\\_2.html](https://www.doublerradius.com/Manufacturers/Force/cambium-epmp-force-300-25-radio_2.html))

Quantity:

264

Amount: \$40,616.40

120 -  
144 - WW = 22,154.40  
120 - mp = 18,462.00

REMOVE

MP9



Cambium Universal Mounting Bracket, Heavy Duty  
([https://www.doublerradius.com/Manufacturers/Accessories\\_34/Motorola-Universal-Mounting-Bracket-for-900-MHz-Connectorized-Units.html](https://www.doublerradius.com/Manufacturers/Accessories_34/Motorola-Universal-Mounting-Bracket-for-900-MHz-Connectorized-Units.html))

\$44.00 ~~\$55.00~~

([https://www.doublerradius.com/Manufacturers/Accessories\\_34/Motorola-Universal-Mounting-Bracket-for-900-MHz-Connectorized-Units.html](https://www.doublerradius.com/Manufacturers/Accessories_34/Motorola-Universal-Mounting-Bracket-for-900-MHz-Connectorized-Units.html))  
SKU: #N00090L001A  
Quantity: 336  
Amount: \$14,784.00

M = 5,280.00

A = 3,696.00

W = 5,808.00

REMOVE



Cambium CMM 30 VDC Power Supply  
([https://www.doublerradius.com/Manufacturers/Accessories\\_34/Cambium-Power-Supply-Single-Output-Switching-30V-240W-HLG-240H.html](https://www.doublerradius.com/Manufacturers/Accessories_34/Cambium-Power-Supply-Single-Output-Switching-30V-240W-HLG-240H.html))

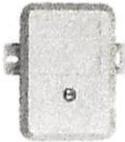
\$160.00 ~~\$200.00~~

([https://www.doublerradius.com/Manufacturers/Accessories\\_34/Cambium-Power-Supply-Single-Output-Switching-30V-240W-HLG-240H.html](https://www.doublerradius.com/Manufacturers/Accessories_34/Cambium-Power-Supply-Single-Output-Switching-30V-240W-HLG-240H.html))  
SKU: #N00090L005A  
Quantity: 6  
Amount: \$960.00

A - 4 640.00

MP-2 320.00

REMOVE



Cambium Canopy Surge Suppressor  
([https://www.doublerradius.com/Manufacturers/Accessories\\_34/cambium-canopy-surge-suppressor.html](https://www.doublerradius.com/Manufacturers/Accessories_34/cambium-canopy-surge-suppressor.html))

\$26.00 ~~\$30.00~~

([https://www.doublerradius.com/Manufacturers/Accessories\\_34/cambium-canopy-surge-suppressor.html](https://www.doublerradius.com/Manufacturers/Accessories_34/cambium-canopy-surge-suppressor.html))  
SKU: #N00090L005B  
Quantity: 105

Amount: \$2,730.00

A

REMOVE



Cambium ePMP™ 1000 Spare Power Supply - Gigabit Ethernet  
([https://www.doublerradius.com/Manufacturers/Accessories\\_34/Cambium-ePMP-1000-Spare-Power-Supply-N000900L001A\\_2.html](https://www.doublerradius.com/Manufacturers/Accessories_34/Cambium-ePMP-1000-Spare-Power-Supply-N000900L001A_2.html))

\$15.00

([https://www.doublerradius.com/Manufacturers/Accessories\\_34/Cambium-ePMP-1000-Spare-Power-Supply-N000900L001A\\_2.html](https://www.doublerradius.com/Manufacturers/Accessories_34/Cambium-ePMP-1000-Spare-Power-Supply-N000900L001A_2.html))  
SKU: #N000900L001B  
Quantity: 84

Amount: \$1,260.00

A

mp-10



Ubiquiti U Fiber, 8-port GPON OLT  
(<https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/ubiquiti-u-fiber-8-port-gpon-olt.html>)

\$1,799.00

(<https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/ubiquiti-u-fiber-8-port-gpon-olt.html>)  
SKU: #01011  
Quantity: 4

Amount: \$7,196.00

u

REMOVE

Cambium ePMP 3000 Sector Antenna  
([https://www.doubleradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-sector-antenna\\_2.html](https://www.doubleradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-sector-antenna_2.html))

\$399.00

([https://www.doubleradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-sector-antenna\\_2.html](https://www.doubleradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-sector-antenna_2.html))  
SKU: #00509100301A  
Quantity: 6

Amount: \$2,394.00

m

REMOVE



Cambium ePMP™ 2000 Smart Antenna  
(<https://www.doubleradius.com/Manufacturers/ePMP-2000/Cambium-ePMP-2000-Smart-Antenna.html>)

\$286.25 ~~\$379.00~~

(<https://www.doubleradius.com/Manufacturers/ePMP-2000/Cambium-ePMP-2000-Smart-Antenna.html>)  
SKU: #00509100301A  
Quantity: 6

Amount: \$1,717.50

m

REMOVE



Shireen Outdoor CAT6 FTP Shielded 1000ft Spool (DC-2021)  
(<https://www.doubleradius.com/Manufacturers/Shireen/Shireen-Outdoor-CAT6-FTP-Shielded-1000ft-Spool-DC-2021.html>)

\$184.38 ~~\$327.47~~

(<https://www.doubleradius.com/Manufacturers/Shireen/Shireen-Outdoor-CAT6-FTP-Shielded-1000ft-Spool-DC-2021.html>)  
SKU: #DC-2021 (Shireen CAT6)  
Quantity: 11

Amount: \$2,028.18

5 - u = 921.90  
5 - A 921.90  
1 - m 184.38

MP-11

REMOVE



KP Performance Yagi Antenna, 900MHz Dual Pol - 5 Pack  
(<https://www.doubleradius.com/Manufacturers/kp-performance-1/kp-performance-yagi-antenna-900mhz-dual-pol-5-pack.html>)

\$639.40

(<https://www.doubleradius.com/Manufacturers/kp-performance-1/kp-performance-yagi-antenna-900mhz-dual-pol-5-pack.html>)  
SKU: #KPA300P17  
Quantity:  
12  
Amount: \$7,672.80

4-A 2,552.60  
4-M 2,552.60  
4-W 2,552.60

REMOVE



Gamma Electronics RF Jumper Cable Kit, 4310M-48-SDL  
(<https://www.doubleradius.com/Manufacturers/gamma-electronics-store/gamma-electronics-rf-jumper-cable-kit-4310m-48-sdl.html>)

\$92.50

(<https://www.doubleradius.com/Manufacturers/gamma-electronics-store/gamma-electronics-rf-jumper-cable-kit-4310m-48-sdl.html>)  
SKU: #GPC431M-S-FLX-48-48-48-SDL  
Quantity:  
6  
Amount: \$555.00

M

REMOVE



Gamma Electronics Tight Wrap Self Amalgamating Tape  
(<https://www.doubleradius.com/Manufacturers/gamma-electronics-store/gamma-electronics-tight-wrap-self-amalgamating-tape.html>)

\$11.90

(<https://www.doubleradius.com/Manufacturers/gamma-electronics-store/gamma-electronics-tight-wrap-self-amalgamating-tape.html>)  
SKU: #TSSA-1.5-1.5-15  
Quantity:  
20  
Amount: \$238.00

~~10-6 = 119.00~~  
5-M = 59.50  
5-A = 59.50

REMOVE



Cambium Coaxial Cable Installation Assembly Kits (WB3616H)  
([https://www.doubleradius.com/Manufacturers/Accessories\\_34/Coaxial-Cable-Installation-Assembly-Kits.html](https://www.doubleradius.com/Manufacturers/Accessories_34/Coaxial-Cable-Installation-Assembly-Kits.html))

\$200.00 ~~\$250.00~~

([https://www.doubleradius.com/Manufacturers/Accessories\\_34/Coaxial-Cable-Installation-Assembly-Kits.html](https://www.doubleradius.com/Manufacturers/Accessories_34/Coaxial-Cable-Installation-Assembly-Kits.html))  
SKU: #WB3616H  
Quantity:  
8

Amount: \$1,600.00



REMOVE

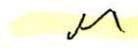
Cambium cnPulse Sync Generator  
([https://www.doubleradius.com/Manufacturers/Accessories\\_34/cambium-cnpulse-sync-generator.html](https://www.doubleradius.com/Manufacturers/Accessories_34/cambium-cnpulse-sync-generator.html))

\$206.22 ~~\$279.00~~

([https://www.doubleradius.com/Manufacturers/Accessories\\_34/cambium-cnpulse-sync-generator.html](https://www.doubleradius.com/Manufacturers/Accessories_34/cambium-cnpulse-sync-generator.html))  
SKU: #CD006600L568A  
Quantity:

2

Amount: \$412.44



REMOVE

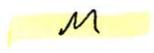
Cambium CMM5 Power and Sync Injector 29V  
([https://www.doubleradius.com/Manufacturers/Accessories\\_34/cambium-cmm5-power-and-sync-injector-29v.html](https://www.doubleradius.com/Manufacturers/Accessories_34/cambium-cmm5-power-and-sync-injector-29v.html))

\$1,295.00

([https://www.doubleradius.com/Manufacturers/Accessories\\_34/cambium-cmm5-power-and-sync-injector-29v.html](https://www.doubleradius.com/Manufacturers/Accessories_34/cambium-cmm5-power-and-sync-injector-29v.html))  
SKU: #CD006600L529A  
Quantity:

2

Amount: \$2,590.00



REMOVE

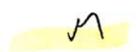
Cambium CMM5 Controller  
([https://www.doubleradius.com/Manufacturers/Accessories\\_34/cambium-cmm5-controller-1.html](https://www.doubleradius.com/Manufacturers/Accessories_34/cambium-cmm5-controller-1.html))

\$995.00

([https://www.doubleradius.com/Manufacturers/Accessories\\_34/cambium-cmm5-controller-1.html](https://www.doubleradius.com/Manufacturers/Accessories_34/cambium-cmm5-controller-1.html))  
SKU: #CD006600L580B  
Quantity:

2

Amount: \$1,990.00



REMOVE



Cambium PTP 450 900 MHz Connectorized Module  
([https://www.doubleradius.com/Manufacturers/Accessories\\_34/Cambium-PTP-450-900-MHz-END-Connectorized.html](https://www.doubleradius.com/Manufacturers/Accessories_34/Cambium-PTP-450-900-MHz-END-Connectorized.html))

\$458.86 ~~\$625.00~~

([https://www.doubleradius.com/Manufacturers/Accessories\\_34/Cambium-PTP-450-900-MHz-END-Connectorized.html](https://www.doubleradius.com/Manufacturers/Accessories_34/Cambium-PTP-450-900-MHz-END-Connectorized.html))  
SKU: #C0090455001A  
Quantity: 84

A

Amount: \$38,544.24

REMOVE



Cambium 900 MHz PMP 450i Connectorized Access Point  
(<https://www.doubleradius.com/Manufacturers/PMP-450i/Cambium-900-MHz-PMP-450i-Connectorized-Access-Point.html>)

\$2,447.20 ~~\$3,059.00~~

(<https://www.doubleradius.com/Manufacturers/PMP-450i/Cambium-900-MHz-PMP-450i-Connectorized-Access-Point.html>)  
SKU: #C0090455001A  
Quantity: 6  
Amount: \$14,683.20

4 - M 9788.80  
2 - A 4,894.40

REMOVE

IgniteNet MetroLinq 60 LW  
(<https://www.doubleradius.com/Manufacturers/MetroLinq/ignitenet-metrolinq-60-lw.html>)

\$285.09 ~~\$299.00~~

(<https://www.doubleradius.com/Manufacturers/MetroLinq/ignitenet-metrolinq-60-lw.html>)  
SKU: #ML-60-LW-03  
Quantity: 250

W

Amount: \$71,272.50

REMOVE



Ubiquiti U Fiber, Multi-Mode Module, 10G, 2-Pack  
(<https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/ubiquiti-u-fiber-multi-mode-module-10g-2-pack.html>)

\$38.00

(<https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/ubiquiti-u-fiber-multi-mode-module-10g-2-pack.html>)  
SKU: #UP-MP-10G  
Quantity:

W

mp 14

u-fiber-multi-  
mode-module-  
10g-2-  
pack.html)

5

Amount: \$190.00

REMOVE



Ubiquiti U Fiber, Single-Mode Module, 10G, 2-Pack  
(<https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/Ubiquiti-u-fiber-single-mode-module-10g-2-pack.html>)

\$85.00

(<https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/Ubiquiti-u-fiber-single-mode-module-10g-2-pack.html>)

SKU: #UP-SM-10G

Quantity:

40

Amount: \$3,400.00

Please Call 866-891-3602 for Availability

REMOVE

30 - u = 2,550.00  
10 - A = 850.00



MikroTik Encloser SFP+ 3m Direct Attach Cable  
(<https://www.doubleradius.com/Manufacturers/Interfaces/Mikrotik-SFP-direct-attach-cable-3m-SDA0003.html>)

\$36.99 ~~\$39.00~~

(<https://www.doubleradius.com/Manufacturers/Interfaces/Mikrotik-SFP-direct-attach-cable-3m-SDA0003.html>)

SKU: #SDA0003

Quantity:

3

Amount: \$110.97

REMOVE

u



MikroTik Ethernet Router CCR1016-12S-1S+  
(<https://www.doubleradius.com/Manufacturers/Ethernet-Routers/Mikrotik-Cloud-Core-Router-1016-12S-1S-CCR1016-12S-1S.html>)

\$683.45 ~~\$745.00~~

(<https://www.doubleradius.com/Manufacturers/Ethernet-Routers/Mikrotik-Cloud-Core-Router-1016-12S-1S-CCR1016-12S-1S.html>)

SKU: #CCR1016-12S-1S

Quantity:

1

Amount: \$683.45

REMOVE

u

MR 15

Ubiquiti ToughCable Connectors, 100 pieces - US Version  
(<https://www.doublerradius.com/Manufacturers/TOUGHCable/Ubiquiti-Tough-Cable-Connectors-100pc.html>)

\$48.00 ~~\$49.00~~

(<https://www.doublerradius.com/Manufacturers/TOUGHCable/Ubiquiti-Tough-Cable-Connectors-100pc.html>)  
SKU: #TC-001  
Quantity:  
2

Amount: \$96.00

W ~~PA~~ = 48.00  
A @ = 48.00  
F

REMOVE



Ubiquiti Power Cable  
(<https://www.doublerradius.com/Manufacturers/EdgePoint/ubiquiti-power-cable-12-awg.html>)

\$599.00

(<https://www.doublerradius.com/Manufacturers/EdgePoint/ubiquiti-power-cable-12-awg.html>)  
SKU: #PC-12  
Quantity:

1

Amount: \$599.00

MA

REMOVE



MikroTik S+RJ10 6-speed RJ-45 Module  
(<https://www.doublerradius.com/Manufacturers/Interfaces/mikrotik-srj10-6-speed-rj-45-module.html>)

\$65.00

(<https://www.doublerradius.com/Manufacturers/Interfaces/mikrotik-srj10-6-speed-rj-45-module.html>)  
SKU: #SRJ10  
Quantity:  
1

Amount: \$65.00

W

REMOVE

ORDER SUMMARY

Marlborough Point

91,439.42  
6% T + 5,486.37  
96,925.79  
10% Ship + 9,692.58  
106,618.37

Subtotal (1924 items)

Ship to: 22485  
Shipping

Grand Total for  
\$326,675.15 ALL 3  
before tax

\$14,005.55

MP

# Invoice

## Afterimage GIS LLC

QUOTE #201902115  
DATE: FEBRUARY 11, 2019

808 E. Cooper Rd, Muncie IN 47303  
Phone 765-744-1346  
paul.shanayda@afterimagegis.com

TO Michele Wido  
KGI Communications LLC  
4485 Danube Dr  
Suite 8A  
King George, VA 22485

Office: 540-709-7070

P.O.NUMBER	JOB	SHIPPING METHOD	SHIPPING TERMS	DELIVERY DATE	PAYMENT TERMS	DUE DATE
					NET 15	

QTY	ITEM #	DESCRIPTION	UNIT PRICE	DISCOUNT	LINE TOTAL
1		<p>Radio frequency analysis:</p> <p>Using elevation, clutter data and tree canopy (30m) RF design was performed for 1 site provided by KGI. RF was ran 3 times, for 3 different frequencies. In addition to the RF signals, maps of Comcast's 477 data was shown in relation to the area KGI plans to provide service. Deliverables included a series of maps showing results, and comparison to KGI's maps, and a written description to be utilized for defense of the service area.</p>			\$550.00
TOTAL DISCOUNT					\$550.00

MP

# Contract



PO Box 997  
4485 Danube Dr, Ste 8A

Date	Estimate #
8/15/2019	713194

Project	P.O. No.
2700 Brooke Rd. Stafford	

Name / Address
Juan Marte KGI Communications, LLC 4485 Danube Dr. Suite 8A King George, VA 22485

Project Address
2700 Brooke Rd. Stafford, VA 22554

Description	Qty	Cost	Total
Provide and install 6' commercial grade chain link fence with security wire and one gate.	120	23.00	2,760.00

This price is valid for 30 days from date on estimate.

**Total**

\$2,760.00

A 30-Day Late Fee of 2% PER MONTH will be charged and accrued on All Invoices Past Due, unless otherwise agreed. CRC accepts all major credit cards. An additional 3% fee is added to all credit card payments.

Ph 301-782-4050; Fx 301-782-4050; DCJS#11-6672  
Email: CRCcontracting@gmail.com; www.crc-contracting.com

Customer Signature Acceptance \_\_\_\_\_

Date of Customer Acceptance \_\_\_\_\_

MP

# Estimate



**KGI Communications LLC**  
 4485 Danube Dr.  
 King George, VA 22485 US  
 540-709-7070  
 info@kgicomm.com

ADDRESS
Marlborough Point Project
King George Project
In-kind

ESTIMATE #	DATE
1006	08/15/2019

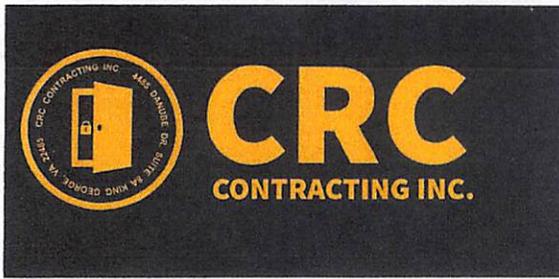
ACTIVITY	QTY	RATE	AMOUNT
<b>In-Kind</b> Residential Installation Discount (262 serviceable units)	262	211.00	55,282.00
<b>In-Kind</b> Mongeon 5 yrs FTTH (up to 100 Mbps) @ \$2,280/yr	1	11,400.00	11,400.00
<b>In-Kind</b> Mongeon Discount Lease (5yrs includes 3% yearly increase)	1	41,411.52	41,411.52
<b>In-Kind</b> Free set up and installation of fiber internet to Mongeon tower property owner's home	1	1,060.00	1,060.00

TOTAL **\$109,153.52**

Accepted By

Accepted Date

MP



# Contract

Date	Estimate #
8/15/2019	713193

PO Box 997  
4485 Danube Dr, Ste 8A

Project	P.O. No.
2700 Brooke Rd Stafford	In-kind

Name / Address
Juan Marte KGI Communications, LLC 4485 Danube Dr. Suite 8A King George, VA 22485

Project Address
2700 Brooke Rd. Stafford, VA 22554

Description	Qty	Cost	Total
Installation for 140' ROHN guyed communication tower. Excavate 4 footers. Provide and install rebar and galvanized anchor bolts. Form and pour concrete footer. Provide necessary equipment and materials for the erection of the tower. Price includes installation of telecommunication equipment, cabling, electrical, and all necessary hardware. Including planning, permitting, and scheduling of the power company.	1	30,000.00	30,000.00

This price is valid for 30 days from date on estimate.	<b>Total</b>	\$30,000.00
--	--------------	-------------

A 30-Day Late Fee of 2% PER MONTH will be charged and accrued on All Invoices Past Due, unless otherwise agreed. CRC accepts all major credit cards. An additional 3% fee is added to all credit card payments.

Ph 301-782-4050; Fx 301-782-4050; DCJS#11-6672  
Email: CRCcontracting@gmail.com; www.crc-contracting.com

Customer Signature Acceptance \_\_\_\_\_

Date of Customer Acceptance \_\_\_\_\_

Widewater-1

uw



1127 INTERNATIONAL PARKWAY SUITE 293  
FREDERICKSBURG, VA 22406  
540.752.6691 (O) 540.752.6694 (F)

### KGI Communications LLC

Name of Customer: **KGI Communications LLC** Date 7/30/19  
Proposal Submitted to: **Michelle Wido**  
Phone # **540-709-7070**  
Email **KGI Communications LLC <kgicomcommunicationsllc@gmail.com>**

We propose to furnish labor and material, for the installation of the scope of work as listed below for the Wide Water aerial project.

#### Included:

- 9400' aerial
- engineering @ 1.00 pf x 9400'
- strand @ 10150'
- fiber 96 Ct SM
- anchors x20 approx.
- slack loops w/shoes approx 20
- down guys approx 20
- 96 ct fiber @ 10780'
- slack 4000'
- splicing
- 6m strand @ 10200'
- bolts, washers, lashing wire dead ends etc
- anchors x 20
- antennae install x 9
- Dominion meter base installation x 9
- VDOT permits
- Easements
- All engineering, as build drawings.
- Certified test results.
- All Labor & materials required to complete project
- Truck/Tools/Ladders/Safety/ Testing Equipment
- All work to be performed during normal hours
- Warranty as per manufactured equipment specs.

#### Excluded

- Locating private utilities.
- Any delays due to lack of access to required work areas by others shall be additional to the contract amount
- Does not include any weekend, after hours or holiday work.
- Dominion make ready work

**Contract Price \$**  
**\$87,426.25**



1127 INTERNATIONAL PARKWAY SUITE 293  
FREDERICKSBURG, VA 22406  
540.752.6691 (O) 540.752.6694 (F)

Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Express Technologies Incorporated proposes to furnish all labor and materials to complete the work as specified above. All agreements are contingent upon the availability of materials, equipment and any other delays beyond our control. This proposal is valid for a period of 30 days from the date sent. This price is given as a whole and is not intended to be separated

*Thank you for allowing Express-Tek the chance to bid this project*

Keith Ward  
Project Manager  
**eXpress technologies**  
1127 International Parkway, Suite 293  
Fredericksburg, VA 22406  
t: 540-752-6691  
f: 540-752-6694  
c: 703-851-3023  
[kward@express-tek.com](mailto:kward@express-tek.com)  
[www.express-tek.com](http://www.express-tek.com)

CONFIDENTIAL

Widewater-2

ww

Intelpath

# Invoice

P.O. Box 145  
Hinsdale, IL 60522

Date	Invoice #
11/2/2018	4646

**PAID**  
**11/02/2018**

Bill To	Ship To
CRC Contracting, Inc. PO Box 997 King George, VA 22485	CRC Contracting, Inc. PO Box 997 King George, VA 22485

S.O. No.	P.O. No.	Terms	Rep	Project
4557	Michele	Due on receipt		

Item	Description	Ordered	Prev. Inv...	Backor...	Invoiced	Rate	Amount
FCC Frequen...	Licensee: CRC Contracting, Inc. Path: R-G Tower to Closes Tower, 11GHz, 2+0  FCC Part 101 Project Coordination and FCC Filing (Includes Frequency Study, Prior Coordination Notice, Application Filing, and FCC Schedule K Completion*)	1	0		1	650.00	650.00
FCC-Site-New	FCC Fee - New Call Sign (Per Site)  *client must notify us when construction is complete if the service of Schedule K completion is desired.	2	0		2	560.00	1,120.00

<b>Subtotal</b>	\$1,770.00
<b>Sales Tax (0.0%)</b>	\$0.00
<b>Total</b>	\$1,770.00
<b>Payments/Credits</b>	\$-1,770.00
<b>Balance Due</b>	ww

Widewater-3

ww

Intelpath

P.O. Box 145  
Hinsdale, IL 60522

# Invoice

Date	Invoice #
11/2/2018	4646

**PAID**  
11/02/2018

<b>Bill To</b> CRC Contracting, Inc. PO Box 997 King George, VA 22485	<b>Ship To</b> CRC Contracting, Inc. PO Box 997 King George, VA 22485
--	--

S.O. No.	P.O. No.	Terms	Rep	Project
4557	Michele	Due on receipt		

Item	Description	Ordered	Prev. Inv...	Backor...	Invoiced	Rate	Amount
FCC Frequen...	License: CRC Contracting, Inc. Path: R-G Tower to Closser Tower, 11GHz, 2+0 FCC Part 101 Project Coordination and FCC Filing (Includes Frequency Study, Prior Coordination Notice, Application Filing, and FCC Schedule K Completion*)	1	0		1	650.00	650.00
FCC-Site-New	FCC Fee - New Call Sign (Per Site)  *client must notify us when construction is complete if the service of Schedule K completion is desired.	2	0		2	560.00	1,120.00

<b>Subtotal</b>						\$1,770.00
<b>Sales Tax (0.0%)</b>						\$0.00
<b>Total</b>						\$1,770.00
<b>Payments/Credits</b>						\$-1,770.00
<b>Balance Due</b>						



Widewater - 4

66

# Quote

## DoubleRadius, Inc.

2022 Van Buren Ave  
 Indian Trail NC 28079  
 US  
 704-927-6100

Date	Quote #
9/19/2018	257445

Bill To
Juan Marte KGI Communications, LLC 4485 DANUBE DR #8A KING GEORGE VA 22485 United States

Ship To
Juan Marte KGI Communications, LLC 4485 DANUBE DR #8A KING GEORGE VA 22485 United States

Expires
10/19/2018

Item	Quantity	Description	Item Notes	Unit Price	Extended
C110082B043A	1	Cambium PTP 820C Radio 11WGHz,TR500,Ch1W6,Hi,11185-11485MHz		5,040.00	5,040.00
C110082B044A	1	Cambium PTP 820C Radio 11WGHz,TR500,Ch1W6,Lo,10695-10955MHz		5,040.00	5,040.00
C000000L033A	4	Cambium Gigabit Surge Suppressor (56V) (C000000L033A)		40.00	160.00
N000065L001C	2	Cambium PTP 650 AC Power Injector - Replaces N000065L001B		64.00	128.00
N000082L014A	2	Cambium PTP 820 Glands x5 KIT		23.20	46.40
N000082L016A	1	Cambium PTP 820 CAT5E Outdoor 100m drum		208.80	208.80
N000082L017A	4	Cambium PTP 820 Grounding Kit for CAT5e F/UTP 8mm cable		12.00	48.00
N000082L022A	2	Cambium PTP 820 PoE Injector all outdoor, redundant DC input, +24VDC support		530.40	1,060.80
N000082L073A	2	Cambium PTP 820 GBE Connector kit		18.40	36.80
N000082L116A	2	Cambium PTP 820 GROUND CABLE FOR IDU and ODU		12.00	24.00
N000082L042A	2	Cambium PTP 820 Act.Key - GE port, per additional port		76.00	152.00
N000082L056A	4	Cambium PTP 820 Act.Key - XPIC, per Tx Chan		184.00	736.00
N000082L027A	2	Cambium PTP 820C Act.Key - 2nd Core Activation		1,900.00	3,800.00
N000082L079A	4	Cambium PTP 820C Act.Key - Capacity 650M with ACM Enabled, per Tx Chan		1,200.00	4,800.00
N110082D072A	2	Cambium PTP 820 2' ANT,SP,11GHz,RFU-C TYPE&Std UBR100 - Andrew		440.00	880.00
N110082L082A	2	Cambium PTP 820C OMT KIT 10-11GHz		700.00	1,400.00
N110082L092A	2	Cambium PTP 820 RFU-C 10_11GHz OMT Interface-Andrew		88.80	177.60
UPS® Ground	1			0.00	0.00

			Total	\$23,738.40
				<del>23,738.40</del>
			T 6%	1,424.31
				25,162.71

10%  
 ship 27,678.99



Widewater-5

u w

# Quote

## DoubleRadius, Inc.

2022 Van Buren Ave  
 Indian Trail NC 28079  
 US  
 704-927-6100

Date	Quote #
9/19/2018	257445

Bill To
Juan Marte KGI Communications, LLC 4485 DANUBE DR #8A KING GEORGE VA 22485 United States

Ship To
Juan Marte KGI Communications, LLC 4485 DANUBE DR #8A KING GEORGE VA 22485 United States

Expires
10/19/2018

Item	Quantity	Description	Item Notes	Unit Price	Extended
C110082B043A	1	Cambium PTP 820C Radio 11WGHZ,TR500,Ch1W6,Hi,11185-11485MHz		5,040.00	5,040.00
C110082B044A	1	Cambium PTP 820C Radio 11WGHZ,TR500,Ch1W6,Lo,10695-10955MHz		5,040.00	5,040.00
C000000L033A	4	Cambium Gigabit Surge Suppressor (56V) (C000000L033A)		40.00	160.00
N000065L001C	2	Cambium PTP 650 AC Power Injector - Replaces N000065L001B		64.00	128.00
N000082L014A	2	Cambium PTP 820 Glands x5 KIT		23.20	46.40
N000082L016A	1	Cambium PTP 820 CAT5E Outdoor 100m drum		208.80	208.80
N000082L017A	4	Cambium PTP 820 Grounding Kit for CAT5e F/UTP 8mm cable		12.00	48.00
N000082L022A	2	Cambium PTP 820 PoE Injector all outdoor, redundant DC input, +24VDC support		530.40	1,060.80
N000082L073A	2	Cambium PTP 820 GBE Connector kit		18.40	36.80
N000082L116A	2	Cambium PTP 820 GROUND CABLE FOR IDU and ODU		12.00	24.00
N000082L042A	2	Cambium PTP 820 Act.Key - GE port, per additional port		76.00	152.00
N000082L056A	4	Cambium PTP 820 Act.Key - XPIC, per Tx Chan		184.00	736.00
N000082L027A	2	Cambium PTP 820C Act.Key - 2nd Core Activation		1,900.00	3,800.00
N000082L079A	4	Cambium PTP 820C Act.Key - Capacity 650M with ACM Enabled, per Tx Chan		1,200.00	4,800.00
N110082D072A	2	Cambium PTP 820 2' ANT,SP,11GHZ,RFU-C TYPE&Std UBR100 - Andrew		440.00	880.00
N110082L082A	2	Cambium PTP 820C OMT KIT 10-11GHZ		700.00	1,400.00
N110082L092A	2	Cambium PTP 820 RFU-C 10_11GHZ OMT Interface-Andrew		88.80	177.60
UPS® Ground	1			0.00	0.00

<b>Total</b>	<b>\$23,738.40</b>
--------------	--------------------

T 6%	1,424.31
	<u>2,516.271</u>

Ship 10% 2516.28  
27678.99





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

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

**Quote**

Quote No.: 040262  
 Quote Date: 8/28/2019  
 Customer ID: KGI KING GEORGE

BILL TO:	SHIP TO:
KGI COMMUNICATIONS LLC 4485 DANUBE DR. SUITE 8A KING GEORGE VA 22485 United States of America 540-709-7070 Attn: MICHELLE WIDO	KGI COMMUNICATIONS LLC 4485 DANUBE DR. SUITE 8A KING GEORGE VA 22485 United States of America 540-709-7070 Attn: MICHELLE WIDO

CUSTOMER P.O. NO.	TERMS	CONTACT
		MICHELLE WIDO
FOB POINT	SALES REP	SHIP VIA
	MEGANS	

CST LINE #	ITEM	ALT ID.	QTY.	PRICE	EXTENDED PRICE
	OD-50DDXC 50"H x 25"W x 42"D  <ul style="list-style-type: none"> <li>• 15 YEAR WARRANTY</li> <li>• FRONT AND REAR DOORS</li> <li>• 3 POINT PAD LOCKING SYSTEM</li> <li>• ALUMASHIELD™ TOP SOLAR SHIELD</li> <li>• POWDER COAT TEXTURED CREAM FINISH</li> <li>• .125 ALUMINUM CONSTRUCTION w/ ALUMAFLEX</li> <li>• STAINLESS STEEL EXTERIOR HARDWARE</li> <li>• NON-ENVIRONMENTALLY LISTED, CONFIGURABLE TO NEMA 3R CLASS 250 (STANDARD), 4 OR 4X (OPTIONAL),</li> <li>• ONE REMOVABLE FILTER PANEL PER DOOR</li> <li>• 2 SETS OF ADJUSTABLE 19" RACKING RAILS                             <ul style="list-style-type: none"> <li>o 26 RACKING UNITS / RAIL SET</li> <li>o w/ ETCHED RU RAIL MARKINGS</li> </ul> </li> <li>• (2) 1.25" CABLE PASS THRU HOLE ON EACH RAIL</li> <li>• SAFETY RATED ETL Listed to UL standards</li> <li>• ANSI/UL 60950-1/CSA C22.2 No. 60950-1</li> </ul>		1.000	2,140.000	2,140.00
	ACP-2000-T20-110 2,000 BTU PENTAIR AIR CONDITIONER UNIT 20"H x 10"W x 9.9"D 500 WATTS OF HEAT 56 LBS, 115 VOLT, 50/60Hz, UL/CUL, CE 2 YEAR MANUFACTURER'S WARRANTY •1st YEAR PARTS AND LABOR •2nd YEAR PARTS NOTE: INSTALLED ON FRONT DOOR MRP		1.000	2,014.000	2,014.00
	OD-INS ½" insulation for OD series enclosures NOTE: INSTALLED MRP		1.000	167.000	167.00
	ZP-NDCP OD DOOR LOUVER COVER PLATE, UNPAINTED, FOR THE 3 LOUVER SET UP NOTE: INSTALLED OVER DOOR/VENTS MRP		2.000	50.000	100.00
	ZZ-SLD-WIND-LCK (QTY1) 2 position wind lock (1087-U1) NOTE: INSTALLED ON FRONT DOOR FOR HVAC SUPPORT- MRP		1.000	54.000	54.00
	NOTES NOTE: LEAD TIME 3-7 BUSINESS DAYS WHILE IN STOCK.		1.000	0.000	0.00

Continued...

FEIN 75-2775273



Widewater



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

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

**Quote**

Quote No.: 040262  
Quote Date: 8/28/2019  
Customer ID: KGI KING GEORGE

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

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

**Total (USD): 4,475.00**

Widewater-7



DoubleRadius, Inc.  
2022 Van Buren Ave  
Indian Trail NC  
28079  
US

Quote  
#272209  
7/30/2019

Bill To  
Juan Marte  
KGI Communications, LLC  
4485 DANUBE DR #8A  
KING GEORGE VA 22485  
United States

Ship To  
Juan Marte  
KGI Communications, LLC  
4485 DANUBE DR #8A  
KING GEORGE VA 22485  
United States

TOTAL

~~\$3,098.04~~

Expires: 8/29/2019

Expires	Memo	Shipping Method	Sales Rep
8/29/2019		UPS® Ground	Benton Cook

Quantity	Item	Notes	Rate	Amount
18	<del>RW-8019-1100</del> RWIN SmartNode AC-DC RW8000/SM/ACIN/DCOUT/10/UNI AC input and DC out		\$1,599.69	<del>\$1,599.69</del> 28,794.42
1	<del>RW-8019-3200</del> RWIN SmartNode 35-57VDC, for Solar Panel DC input and DC out RW8000/SM/DCIN/DCOUT/40/UNI		\$1,342.42	<del>\$1,342.42</del>
1	<del>UPS® Ground</del>		\$0.00	<del>\$0.00</del>

Subtotal	28,794.42 <del>\$2,942.11</del>
Tax (5.3%)	1,526.11 <del>\$155.93</del>
Total	<del>\$3,098.04</del>

~~10000000~~  
 28,794.42  
 + 1,526.11 6% T  
 -----  
 30,320.53  
 + 3,032.06 10% Ship  
 -----  
 33,352.59



272209

Double Radius

MP4  
WW-7

Widewater-8

WW

PROCEED TO CHECKOUT

AACreek-4

W = Widewater Landing  
M = Marlborough Pt  
A = Aquia-Creek Rd

# SHOPPING CART (53 PRODUCTS, 1924 ITEMS)

 Ubiquiti EdgePoint WISP switch, 16-port  
 (<https://www.doubleradius.com/Manufacturers/EdgePoint/Ubiquiti-EdgePoint-16-Port-Switch.html>)  
 \$513.55 ~~\$529.00~~  
 (https://www.doubleradius.com/Manufacturers/EdgePoint/Ubiquiti-EdgePoint-16-Port-Switch.html) SKU: #E16P16  
 Quantity: 2  
 Amount: \$1,027.10

M = 513.55  
A = 513.55

REMOVE

 Cambium 900 MHz 12 dBi gain directional antenna (Dual Slant)  
 ([https://www.doubleradius.com/Manufacturers/Antennas\\_18/Cambium-900-MHz-12-dBi-gain-directional-antenna-Dual-Slant.html](https://www.doubleradius.com/Manufacturers/Antennas_18/Cambium-900-MHz-12-dBi-gain-directional-antenna-Dual-Slant.html))  
 \$71.20 ~~\$89.00~~  
 (https://www.doubleradius.com/Manufacturers/Antennas\_18/Cambium-900-MHz-12-dBi-gain-directional-antenna-Dual-Slant.html) SKU: #N009045D00A  
 Quantity: 84  
 Amount: \$5,980.80

A

REMOVE

 Cambium cnPilot™ R201P, US, 802.11ac dual band Gigabit WLAN Router with ATA and PoE (<https://www.doubleradius.com/Manufacturers/WiFi/cnPilot-R201P.html>)  
 \$120.00  
 (https://www.doubleradius.com/Manufacturers/WiFi/cnPilot-R201P.html) SKU: #R000000L00A  
 Quantity: 320  
 Amount: \$38,400.00

120 - M = 14,400.00  
151 - W = 18,120.00  
49 - A = 5,880.00

REMOVE



ww

REMOVE

 Baicells Nova 233 Gen 2 eNodeB Base Station  
 (https://www.doublerradius.com/Manufacturers/nova/baicells-nova-233-gen-2-enodeb-outdoor-base-station.html)  
 \$3,999.00  
 (https://www.doublerradius.com/Manufacturers/nova/baicells-nova-233-gen-2-enodeb-outdoor-base-station.html) SKU: #NOVA-233-GEN-2 (MBS1105)  
 Quantity: 4  
 Amount: \$15,996.00

m

REMOVE

 Mikrotik Hot Swap -48V DC Telecom Power Supply  
 (https://www.doublerradius.com/Manufacturers/Mikrotik-Accessories/mikrotik-hot-swap-48v-dc-telecom-power-supply\_2.html)  
 \$100.00  
 (https://www.doublerradius.com/Manufacturers/Mikrotik-Accessories/mikrotik-hot-swap-48v-dc-telecom-power-supply\_2.html) SKU: #W48V-12V-10W  
 Quantity: 8  
 Amount: \$800.00

w

REMOVE

 Ubiquiti UFiber WiFi (https://www.doublerradius.com/Manufacturers/ubiquiti-ufiber/ubiquiti-ufiber-wifi.html)  
 \$79.00  
 (https://www.doublerradius.com/Manufacturers/ubiquiti-ufiber/ubiquiti-ufiber-wifi.html) SKU: #UF-WiFi  
 Quantity: 5  
 Amount: \$395.00  
 Please Call 866-891-3602 for Availability

h

REMOVE

 MikroTik Cloud Router Switch 16xSFP+  
 (https://www.doublerradius.com/Manufacturers/MikroTik-Cloud-Router-Switch-16xSFP.html)  
 \$399.00  
 (https://www.doublerradius.com/Manufacturers/MikroTik-Cloud-Router-Switch-16xSFP.html) SKU: #CROSS-16-16SFP  
 Quantity:

↓

ww

Switch-  
16xSFP.html)

4

Amount: \$1,596.00

2-W = 798.00

1-M = 399.00

1-A = 399.00

REMOVE

MikroTik Cloud Core Router CCR1072-1G-8S+  
(<https://www.doublradius.com/Manufacturers/Ethernet-Routers/Mikrotik-Cloud-Core-Router-CCR1072-1G-8S.html>)

\$3,050.00

1-W = 3,050.00

1-M = 3050.00

(<https://www.doublradius.com/Manufacturers/Ethernet-Routers/Mikrotik-Cloud-Core-Router-CCR1072-1G-8S.html>)

Cloud-Core-Router-CCR1072-1G-8S.html)

Quantity:

2

Amount: \$6,100.00

REMOVE



Ubiquiti EdgePower, 54v, 150W  
(<https://www.doublradius.com/Manufacturers/ubiquiti-edgepower/ubiquiti-edgepower-54v-150w.html>)

\$187.80 ~~\$195.00~~

2-W = 375.60

2-A = 375.60

2-M = 375.60

(<https://www.doublradius.com/Manufacturers/ubiquiti-edgepower/ubiquiti-edgepower-54v-150w.html>)

edgepower/ubiquiti-edgepower-54v-150w.html)

Quantity:

6

Amount: \$1,126.80

Please Call 866-891-3602 for Availability

REMOVE



Ubiquiti U-Fiber GPON OLT, Class B+ SFP Module - US  
(<https://www.doublradius.com/Manufacturers/ubiquiti-u-fiber/Ubiquiti-U-Fiber-GPON-OLT-Class-B-SFP-Module.html>)

\$71.55 ~~\$79.00~~

(<https://www.doublradius.com/Manufacturers/ubiquiti-u-fiber/Ubiquiti-U-Fiber-GPON-OLT-Class-B-SFP-Module.html>)

u-fiber/Ubiquiti-U-Fiber-GPON-OLT-Class-B-SFP-Module.html)

Quantity:

33

Amount: \$2,361.15

w

REMOVE

ww



IgniteNet's LingAssist Bluetooth Module  
(<https://www.doubleradius.com/Manufacturers/ignitenet-accessories/ignitenet-lingassist-bluetooth-module.html>)

\$6.00

(<https://www.doubleradius.com/Manufacturers/ignitenet-accessories/ignitenet-lingassist-bluetooth-module.html>)  
SKU: #ICC-LABT (Single Unit)  
Quantity:  
3

Amount: \$18.00

j-w = 6.00  
1 M = 6.00  
1 A = 6.00

REMOVE



IgniteNet MetroLinq Bracket, Standard  
(<https://www.doubleradius.com/Manufacturers/ignitenet-accessories/ignitenet-metrolinq-bracket-standard-icc-bracket-std.html>)

\$18.80 ~~\$21.00~~

(<https://www.doubleradius.com/Manufacturers/ignitenet-accessories/ignitenet-metrolinq-bracket-standard-icc-bracket-std.html>)  
SKU: #ICC-BRACKET STD  
Quantity:  
36  
Amount: \$676.80

w

REMOVE



IgniteNet MetroLinq Bracket, Long Range  
(<https://www.doubleradius.com/Manufacturers/ignitenet-accessories/ignitenet-metrolinq-bracket-long-range-icc-bracket-lr.html>)

\$61.62 ~~\$69.00~~

(<https://www.doubleradius.com/Manufacturers/ignitenet-accessories/ignitenet-metrolinq-bracket-long-range-icc-bracket-lr.html>)  
SKU: #ICC-BRACKET LR  
Quantity:  
18  
Amount: \$1,109.16

10-w = 616.20  
7-A = 492.96

REMOVE



IgniteNet MetroLinq Alignment Scope  
(<https://www.doubleradius.com/Manufacturers/ignitenet-accessories/IgniteNet-MetroLinq-Alignment-Scope.html>)

\$96.34 ~~\$99.00~~

(<https://www.doubleradius.com/Manufacturers/ignitenet-accessories/IgniteNet-MetroLinq-Alignment-Scope.html>)  
SKU: #ICC-SCOPE 9X30  
Quantity:  
2  
Amount: \$192.68

w

lw



KP Performance 3.5 GHz to 4.2 GHz, + 4.9 GHz to 6.4 GHz, 8-Port Dual Band Sector Antenna (<https://www.doubleradius.com/Manufacturers/proline-antennas/kp-performance-3.5-ghz-to-4.2-ghz-4.9-ghz-to-6.4-ghz-8-port-dual-band-sector-antenna>)

(<https://www.doubleradius.com/Manufacturers/proline-antennas/kp-performance-3.5-ghz-to-4.2-ghz-4.9-ghz-to-6.4-ghz-8-port-dual-band-sector-antenna>)

SKU: #KPP-3S65-5S90-X8

Quantity:

4

Amount: \$2,599.96

M

REMOVE



Ubiquiti airFiber 11FX High Band Duplexer Accessory (<https://www.doubleradius.com/Manufacturers/airFiber/ubiquiti-airfiber-11fx-high-band-duplexer-accessory.html>)

(<https://www.doubleradius.com/Manufacturers/airFiber/ubiquiti-airfiber-11fx-high-band-duplexer-accessory.html>)

\$185.55 ~~\$199.00~~

SKU: #AF-11FX-DUP-1

Quantity:

4

Amount: \$742.20

2 W = 371.10

2 M = 371.10

REMOVE



Ubiquiti 11 GHz airFiber Dish, 35 dBi (<https://www.doubleradius.com/Manufacturers/airFiber-X-Antenna/ubiquiti-11-ghz-airfiber-dish-35-dbi-af-11g35.html>)

(<https://www.doubleradius.com/Manufacturers/airFiber-X-Antenna/ubiquiti-11-ghz-airfiber-dish-35-dbi-af-11g35.html>)

\$379.00

SKU: #AF-11G35

Quantity:

2

Amount: \$758.00

1 - M = 379.00

1 - ~~M~~ = 379.00

REMOVE



Shireen Outdoor CAT5e FTP Shielded 1000ft Spool (DC-1021) (<https://www.doubleradius.com/Manufacturers/Shireen/Shireen-Outdoor-CAT5e-FTP-Shielded-1000ft-Spool-DC-1021.html>)

(<https://www.doubleradius.com/Manufacturers/Shireen/Shireen-Outdoor-CAT5e-FTP-Shielded-1000ft-Spool-DC-1021.html>)

\$157.45 ~~\$255.00~~

SKU: #DC-1021 (Shireen CAT5)

Quantity:

8 - M = 1,259.60  
8 - K = 1,259.60  
8 - W = 1,259.60

Shielded-  
1000ft-Spool-  
DC-1021.html)

24

Amount: \$3,778.80

REMOVE

IgniteNet MetroLinQ 10G Tri-Band Omni Base Station  
(<https://www.doubleradius.com/Manufacturers/MetroLinQ/ignitenet-metrolinq-10g-tri-band-omni-base-station.html>)

\$699.00 ~~\$999.00~~

(<https://www.doubleradius.com/Manufacturers/MetroLinQ/ignitenet-metrolinq-10g-tri-band-omni-base-station.html>)  
Quantity:  
19

Amount: \$13,281.00

REMOVE

Ubiquiti airFiber 11FX  
(<https://www.doubleradius.com/Manufacturers/airFiber/ubiquiti-airfiber-11fx.html>)

\$600.00

(<https://www.doubleradius.com/Manufacturers/airFiber/ubiquiti-airfiber-11fx.html>)  
Quantity:  
2

Amount: \$1,200.00

REMOVE

KP Performance 4-Port Dual-Band OMNI Antenna, 11/12 dBi High Gain  
(<https://www.doubleradius.com/Manufacturers/dual-sector-antennas/kp-performance-4-port-dual-band-omni-antenna-11-12-dbi-high-gain.html>)

\$349.95

(<https://www.doubleradius.com/Manufacturers/dual-sector-antennas/kp-performance-4-port-dual-band-omni-antenna-11-12-dbi-high-gain.html>)  
Quantity:  
4

Amount: \$1,399.80

REMOVE

www

10-w = 6,990.00

8-A = 5,592.00

1 = W = Landius Agoria = 699.00

1-m = 600.00

7-w = 600.00

2-m = 699.90

2-A = 699.90

ww

REMOVE

Ubiquiti FiberPOE, G2  
(<https://www.doubleradius.com/Manufacturers/PoE/ubiquiti-fiberpoe-g2.html>)

\$29.00

(<https://www.doubleradius.com/Manufacturers/PoE/ubiquiti-fiberpoe-g2.html>)  
SKU: #F-POE-G2  
Quantity:

18

Amount: \$522.00

m

REMOVE



Cambium Power Supply, AC, 48V, 640W  
([https://www.doubleradius.com/Manufacturers/Accessories\\_34/cambium-power-supply-ac-48v-640w.html](https://www.doubleradius.com/Manufacturers/Accessories_34/cambium-power-supply-ac-48v-640w.html))

\$449.00

([https://www.doubleradius.com/Manufacturers/Accessories\\_34/cambium-power-supply-ac-48v-640w.html](https://www.doubleradius.com/Manufacturers/Accessories_34/cambium-power-supply-ac-48v-640w.html))  
SKU: #N00800L10A  
Quantity:

6

Amount: \$2,694.00

2-w = 898.00

4-m = 1796.00

REMOVE

Cambium ePMP 3000 5 GHz Access Point Radio  
(<https://www.doubleradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-5-ghz-access-point-radio.html>)

\$799.00

(<https://www.doubleradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-5-ghz-access-point-radio.html>)  
SKU: #C058910A102A  
Quantity:

6

Amount: \$4,794.00

m

REMOVE

IgniteNet MetroLinq 60 LW Dualband Omni  
(<https://www.doubleradius.com/Manufacturers/MetroLinq/ignitenet-metrolinq-60-lw-dualband-omni.html>)

\$278.02 ~~\$299.00~~

(<https://www.doubleradius.com/Manufacturers/MetroLinq/ignitenet-metrolinq-60-lw-dualband-omni.html>)  
SKU: #ML60LW100S  
Quantity:

Quantity:

A

7

ww

1  
Amount: \$278.02

REMOVE

Ubiquiti UFiber PLC 8 Splitter  
(<https://www.doubleradius.com/Manufacturers/UBNT-Cables/ubiquiti-ufiber-plc-8-splitter.html>)

\$13.00

(<https://www.doubleradius.com/Manufacturers/UBNT-Cables/ubiquiti-ufiber-plc-8-splitter.html>)  
SR: #0P-SPLITTER8  
Quantity:  
20

W

Amount: \$260.00  
Please Call 866-891-3602 for Availability

REMOVE

Ubiquiti UFiber PLC 4 Splitter  
(<https://www.doubleradius.com/Manufacturers/UBNT-Cables/ubiquiti-ufiber-plc-4-splitter.html>)

\$9.96 ~~\$10.00~~

(<https://www.doubleradius.com/Manufacturers/UBNT-Cables/ubiquiti-ufiber-plc-4-splitter.html>)  
SR: #0P-SPLITTER4  
Quantity:  
20

W

Amount: \$199.20  
Please Call 866-891-3602 for Availability

REMOVE

Cambium ePMP™ Force 300-25 Radio  
([https://www.doubleradius.com/Manufacturers/Force/cambium-epmp-force-300-25-radio\\_2.html](https://www.doubleradius.com/Manufacturers/Force/cambium-epmp-force-300-25-radio_2.html))

\$153.85 ~~\$169.00~~

([https://www.doubleradius.com/Manufacturers/Force/cambium-epmp-force-300-25-radio\\_2.html](https://www.doubleradius.com/Manufacturers/Force/cambium-epmp-force-300-25-radio_2.html))  
SR: #C0589100102A  
Quantity:  
264

120 -  
144 - WW = 22,154.40  
120 - mp = 18,462.00

Amount: \$40,616.40

REMOVE



Cambium Universal Mounting Bracket, Heavy Duty  
 (https://www.doubleradius.com/Manufacturers/Accessories\_34/Motorola-Universal-Mounting-Bracket-for-900-MHz-Connectorized-Units.html)

\$44.00 ~~\$55.00~~

(https://www.doubleradius.com/Manufacturers/Accessories\_34/Motorola-Universal-Mounting-Bracket-for-900-MHz-Connectorized-Units.html)  
 SKU: #N000900L001A  
 Quantity: 336  
 Amount: \$14,784.00

ww  
 M = 5,280.00  
 A = 3,696.00  
 W = 5,808.00

REMOVE



Cambium CMM 30 VDC Power Supply  
 (https://www.doubleradius.com/Manufacturers/Accessories\_34/Cambium-Power-Supply-Single-Output-Switching-30V-240W-HLG-240H.html)

\$160.00 ~~\$200.00~~

(https://www.doubleradius.com/Manufacturers/Accessories\_34/Cambium-Power-Supply-Single-Output-Switching-30V-240W-HLG-240H.html)  
 SKU: #N000900L055A  
 Quantity: 6  
 Amount: \$960.00

A - 4 = 640.00  
 MP - 2 = 320.00

REMOVE



Cambium Canopy Surge Suppressor  
 (https://www.doubleradius.com/Manufacturers/Accessories\_34/cambium-canopy-surge-suppressor.html)

\$26.00 ~~\$30.00~~

(https://www.doubleradius.com/Manufacturers/Accessories\_34/cambium-canopy-surge-suppressor.html)  
 SKU: #N000900L059  
 Quantity: 105

Amount: \$2,730.00

A

REMOVE



Cambium ePMP™ 1000 Spare Power Supply - Gigabit Ethernet  
 (https://www.doubleradius.com/Manufacturers/Accessories\_34/Cambium-ePMP-1000-Spare-Power-Supply-N000900L001A\_2.html)

\$15.00

(https://www.doubleradius.com/Manufacturers/Accessories\_34/Cambium-ePMP-1000-Spare-Power-Supply-N000900L001A\_2.html)  
 SKU: #N000900L001B  
 Quantity: 84

Amount: \$1,260.00

A

66



Ubiquiti U Fiber, 8-port GPON OLT  
(<https://www.doublerradius.com/Manufacturers/ubiquiti-u-fiber/ubiquiti-u-fiber-8-port-gpon-olt.html>)

\$1,799.00

(<https://www.doublerradius.com/Manufacturers/ubiquiti-u-fiber/ubiquiti-u-fiber-8-port-gpon-olt.html>)  
SKU: #0059100301A  
Quantity:

4

Amount: \$7,196.00

W

REMOVE

Cambium ePMP 3000 Sector Antenna  
([https://www.doublerradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-sector-antenna\\_2.html](https://www.doublerradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-sector-antenna_2.html))

\$399.00

([https://www.doublerradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-sector-antenna\\_2.html](https://www.doublerradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-sector-antenna_2.html))  
SKU: #0059100301A  
Quantity:

6

Amount: \$2,394.00

M

REMOVE



Cambium ePMP™ 2000 Smart Antenna  
(<https://www.doublerradius.com/Manufacturers/ePMP-2000/Cambium-ePMP-2000-Smart-Antenna.html>)

\$286.25 ~~\$379.00~~

(<https://www.doublerradius.com/Manufacturers/ePMP-2000/Cambium-ePMP-2000-Smart-Antenna.html>)  
SKU: #0059100301A  
Quantity:

6

Amount: \$1,717.50

M

REMOVE



Shireen Outdoor CAT6 FTP Shielded 1000ft Spool (DC-2021)  
(<https://www.doublerradius.com/Manufacturers/Shireen/Shireen-Outdoor-CAT6-FTP-Shielded-1000ft-Spool-DC-2021.html>)

\$184.38 ~~\$327.47~~

(<https://www.doublerradius.com/Manufacturers/Shireen/Shireen-Outdoor-CAT6-FTP-Shielded-1000ft-Spool-DC-2021.html>)  
SKU: #00-2021 (Shireen CAT6)  
Quantity:

11

Amount: \$2,028.18

5 - W = 921.90  
5 - A 921.90  
1 - M 184.38

REMOVE

lw



KP Performance Yagi Antenna, 900MHz Dual Pol - 5 Pack  
(<https://www.doubleradius.com/Manufacturers/kp-performance-1/kp-performance-yagi-antenna-900mhz-dual-pol-5-pack.html>)

\$639.40

(<https://www.doubleradius.com/Manufacturers/kp-performance-1/kp-performance-yagi-antenna-900mhz-dual-pol-5-pack.html>)  
SKU: #KPPA-900DP-17  
Quantity:  
12  
Amount: \$7,672.80

4-A 2,557.60  
4-M 2,557.60  
4-W 2,557.60

REMOVE



Gamma Electronics RF Jumper Cable Kit, 4310M-48-SDL  
(<https://www.doubleradius.com/Manufacturers/gamma-electronics-store/gamma-electronics-rf-jumper-cable-kit-4310m-48-sdl.html>)

\$92.50

(<https://www.doubleradius.com/Manufacturers/gamma-electronics-store/gamma-electronics-rf-jumper-cable-kit-4310m-48-sdl.html>)  
SKU: #GPC-11M-SFLX-4310M-48-SDL  
Quantity:  
6  
Amount: \$555.00

M

REMOVE



Gamma Electronics Tight Wrap Self Amalgamating Tape  
(<https://www.doubleradius.com/Manufacturers/gamma-electronics-store/gamma-electronics-tight-wrap-self-amalgamating-tape.html>)

\$11.90

(<https://www.doubleradius.com/Manufacturers/gamma-electronics-store/gamma-electronics-tight-wrap-self-amalgamating-tape.html>)  
SKU: #T36A-1.5-70-15  
Quantity:  
20  
Amount: \$238.00

~~10-6 = 117.00~~  
5-M = 59.50  
5-A = 59.50

REMOVE



Cambium Coaxial Cable Installation Assembly Kits (WB3616H)  
 (https://www.doublerradius.com/Manufacturers/Accessories\_34/Coaxial-Cable-Installation-Assembly-Kits.html)

\$200.00 ~~\$250.00~~

(https://www.doublerradius.com/Manufacturers/Accessories\_34/Coaxial-Cable-Installation-Assembly-Kits.html)

Quantity: 8

✓

Amount: \$1,600.00

REMOVE

Cambium cnPulse Sync Generator  
 (https://www.doublerradius.com/Manufacturers/Accessories\_34/cambium-cnpulse-sync-generator.html)

\$206.22 ~~\$279.00~~

(https://www.doublerradius.com/Manufacturers/Accessories\_34/cambium-cnpulse-sync-generator.html)

Quantity: 2

✓

Amount: \$412.44

REMOVE

Cambium CMM5 Power and Sync Injector 29V  
 (https://www.doublerradius.com/Manufacturers/Accessories\_34/cambium-cmm5-power-and-sync-injector-29v.html)

\$1,295.00

(https://www.doublerradius.com/Manufacturers/Accessories\_34/cambium-cmm5-power-and-sync-injector-29v.html)

Quantity: 2

✓

Amount: \$2,590.00

REMOVE

Cambium CMM5 Controller  
 (https://www.doublerradius.com/Manufacturers/Accessories\_34/cambium-cmm5-controller-1.html)

\$995.00

(https://www.doublerradius.com/Manufacturers/Accessories\_34/cambium-cmm5-controller-1.html)

Quantity: 2

✓

Amount: \$1,990.00

REMOVE



Cambium PTP 450 900 MHz Connectorized Module  
([https://www.doubleradius.com/Manufacturers/Accessories\\_34/Cambium-PTP-450-900-MHz-END-Connectorized.html](https://www.doubleradius.com/Manufacturers/Accessories_34/Cambium-PTP-450-900-MHz-END-Connectorized.html))

\$458.86 ~~\$625.00~~

([https://www.doubleradius.com/Manufacturers/Accessories\\_34/Cambium-PTP-450-900-MHz-END-Connectorized.html](https://www.doubleradius.com/Manufacturers/Accessories_34/Cambium-PTP-450-900-MHz-END-Connectorized.html))  
SKU: #C009045001A  
Quantity: 84

Amount: \$38,544.24

A

REMOVE



Cambium 900 MHz PMP 450i Connectorized Access Point  
(<https://www.doubleradius.com/Manufacturers/PMP-450i/Cambium-900-MHz-PMP-450i-Connectorized-Access-Point.html>)

\$2,447.20 ~~\$3,059.00~~

(<https://www.doubleradius.com/Manufacturers/PMP-450i/Cambium-900-MHz-PMP-450i-Connectorized-Access-Point.html>)  
SKU: #C009045001A  
Quantity: 6  
Amount: \$14,683.20

4 - M 9788.80  
2 - A 4,894.40

REMOVE

IgniteNet MetroLinq 60 LW  
(<https://www.doubleradius.com/Manufacturers/MetroLinq/ignitenet-metrolinq-60-lw.html>)

\$285.09 ~~\$299.00~~

(<https://www.doubleradius.com/Manufacturers/MetroLinq/ignitenet-metrolinq-60-lw.html>)  
SKU: #ML-60-LW-05  
Quantity: 250

Amount: \$71,272.50

W

REMOVE



Ubiquiti U Fiber, Multi-Mode Module, 10G, 2-Pack  
(<https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/ubiquiti-u-fiber-multi-mode-module-10g-2-pack.html>)

\$38.00

([https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/ubiquiti-u-fiber-multi-mode-module-10g-2-pack.html](https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/ubiquiti-u-fiber/ubiquiti-u-fiber-multi-mode-module-10g-2-pack.html))  
SKU: #UF-MM-10G  
Quantity:

W

u-fiber-multi-  
mode-module-  
10g-2-  
pack.html)

5

Amount: \$190.00

REMOVE



Ubiquiti U Fiber, Single-Mode Module, 10G, 2-Pack  
(<https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/Ubiquiti-u-fiber-single-mode-module-10g-2-pack.html>)

\$85.00

(<https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/Ubiquiti-u-fiber-single-mode-module-10g-2-pack.html>)

SKU: #UP-SM-10G

Quantity:

40

Amount: \$3,400.00

Please Call 866-891-3602 for Availability

REMOVE



MikroTik Encloser SFP+ 3m Direct Attach Cable  
(<https://www.doubleradius.com/Manufacturers/Interfaces/Mikrotik-SFP-direct-attach-cable-3m-SDA0003.html>)

\$36.99 ~~\$39.00~~

(<https://www.doubleradius.com/Manufacturers/Interfaces/Mikrotik-SFP-direct-attach-cable-3m-SDA0003.html>)

SKU: #SDA0003

Quantity:

3

Amount: \$110.97

REMOVE



MikroTik Ethernet Router CCR1016-12S-1S+  
(<https://www.doubleradius.com/Manufacturers/Ethernet-Routers/Mikrotik-Cloud-Core-Router-1016-12S-1S-CCR1016-12S-1S.html>)

\$683.45 ~~\$745.00~~

(<https://www.doubleradius.com/Manufacturers/Ethernet-Routers/Mikrotik-Cloud-Core-Router-1016-12S-1S-CCR1016-12S-1S.html>)

SKU: #CCR1016-12S-1S+

Quantity:

1

Amount: \$683.45

REMOVE

wh

30 - u = 3,550.00

10 - A = 850.00

u

m

lw

Ubiquiti ToughCable Connectors, 100 pieces - US Version  
(<https://www.doubleradius.com/Manufacturers/TOUGHCable/Ubiquiti-Tough-Cable-Connectors-100pc.html>)

\$48.00 ~~\$49.00~~

(<https://www.doubleradius.com/Manufacturers/TOUGHCable/Ubiquiti-Tough-Cable-Connectors-100pc.html>)  
SKU: #10001  
Quantity:  
2

Amount: \$96.00

W Pa = 48.00

A @ = 48.00

P

REMOVE



Ubiquiti Power Cable  
(<https://www.doubleradius.com/Manufacturers/EdgePoint/ubiquiti-power-cable-12-awg.html>)

\$599.00

(<https://www.doubleradius.com/Manufacturers/EdgePoint/ubiquiti-power-cable-12-awg.html>)  
SKU: #10012  
Quantity:

1

Amount: \$599.00

AA

REMOVE



MikroTik S+RJ10 6-speed RJ-45 Module  
(<https://www.doubleradius.com/Manufacturers/Interfaces/mikrotik-srj10-6-speed-rj-45-module.html>)

\$65.00

(<https://www.doubleradius.com/Manufacturers/Interfaces/mikrotik-srj10-6-speed-rj-45-module.html>)  
SKU: #10010  
Quantity:

1

Amount: \$65.00

w

REMOVE

**ORDER SUMMARY**

Widewater Total

\$ 152,040.70

6% T + 9,122.45

161,163.15

10% Ship + 16,116.32

177,279.47

Subtotal (1924 items)

Ship to: 22485  
Shipping

Grand Total before  
\$326,675.15 TAXES for  
ALL 3

\$14,005.55



**KGI Communications LLC**  
4485 Danube Dr.  
King George, VA 22485 US  
540-709-7070  
info@kgicomm.com

# Estimate

**ADDRESS**

Widewater/Aquia Landing Project  
In-kind

ESTIMATE #	DATE
1008	08/15/2019

ACTIVITY	QTY	RATE	AMOUNT
<b>In-Kind</b> System Engineering	1	15,000.00	15,000.00
<b>In-Kind</b> Residential Installation Discount (346 service units)	346	211.00	73,006.00
<b>In-Kind</b> Performance Bond (3%)	1	6,200.00	6,200.00
<b>In-Kind</b> Widewater State Park - 1 yr PTP 100mbps connection	1	4,000.00	4,000.00
<b>In-Kind</b> Aquia Landing - connection for emergency VOIP	1	1,500.00	1,500.00

TOTAL

**\$99,706.00**

Accepted By

Accepted Date

Aquia Creek Rd-1



EXPRESS TECHNOLOGIES, INC  
1127 INTERNATIONAL PARKWAY SUITE 293  
FREDERICKSBURG, VA 22406  
540.752.6691 (O) 540.752.6694 (F)

**KGI Communications LLC**

Name of Customer: **KGI Communications LLC** Date 7/30/19  

---

Proposal Submitted to: **Michelle Wido**  
Phone # **540-709-7070**  
Email **KGI Communications LLC <kgicomcommunicationsllc@gmail.com>**

We propose to furnish labor and material, for the installation of the scope of work as listed below for the Aquia Creek Rd aerial project.

**Included:**

- Aquia Creek run 9650' aerial
- engineering @ 1.00 pf x 9650'
- strand @ 10400'
- fiber 96 Ct SM
- anchors x20 approx.
- slack loops w/shoes approx 20
- down guys approx 20
- 96 ct fiber @ 13650'
- slack 4000'
- splicing
- 6m strand@ 10000'
- bolts, washers, lashing wire dead ends etc
- anchors x 20
- antennae install x 8
- Dominion meter base installation x 8
- VDOT permits
- Easements
- All engineering, as build drawings.
- Certified test results.
- All Labor & materials required to complete project
- Truck/Tools/Ladders/Safety/ Testing Equipment
- All work to be performed during normal hours
- Warranty as per manufactured equipment specs.

**Excluded**

- Locating private utilities.
- Any delays due to lack of access to required work areas by others shall be additional to the contract amount
- Does not include any weekend, after hours or holiday work.
- Dominion make ready work

**Contract Price \$  
\$87,363.75**



1127 INTERNATIONAL PARKWAY SUITE 293  
FREDERICKSBURG, VA 22406  
540.752.6691 (O) 540.752.6694 (F)

Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Express Technologies Incorporated proposes to furnish all labor and materials to complete the work as specified above. All agreements are contingent upon the availability of materials, equipment and any other delays beyond our control. This proposal is valid for a period of 30 days from the date sent. This price is given as a whole and is not intended to be separated

*Thank you for allowing Express-Tek the chance to bid this project*

Keith Ward  
Project Manager  
**express technologies**  
1127 International Parkway, Suite 293  
Fredericksburg, VA 22406  
t: 540-752-6691  
f: 540-752-6694  
c: 703-851-3023  
[kward@express-tek.com](mailto:kward@express-tek.com)  
[www.express-tek.com](http://www.express-tek.com)



DoubleRadius, Inc.  
2022 Van Buren Ave  
Indian Trail NC  
28079  
US

Aquia Creek Rd-2

AC

**Quote**  
#272214  
7/30/2019

**Bill To**  
Juan Marte  
KGI Communications, LLC  
4485 DANUBE DR #8A  
KING GEORGE VA 22485  
United States

**Ship To**  
Juan Marte  
KGI Communications, LLC  
4485 DANUBE DR #8A  
KING GEORGE VA 22485  
United States

**TOTAL**

~~\$14,636.70~~

Expires: 8/29/2019

<b>Expires</b> 8/29/2019	<b>Memo</b>	<b>Shipping Method</b> UPS® Ground	<b>Sales Rep</b> Benton Cook
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Quantity	Item	Notes	Rate	Amount
1	<b>Network Products</b> SC3-B48-00-NA  SC-300s Base unit without embedded EPC		\$8,000.00	\$8,000.00
1	<b>Network Products</b> SC3-RAN-LIC  SC-300s RAN Software License		\$1,500.00	\$1,500.00
1	<b>Network Products</b> SC3-CA-LIC  SC-300s Carrier Aggregation License		\$2,000.00	\$2,000.00
1	<b>Network Products</b> SC3-SAS-DP-LIC  SC-300s SAS Domain Proxy License & Digital Certificate		\$1,500.00	\$1,500.00
1	<b>Network Products</b> SC3-EPC-KEY  SC-300s Embedded EPC license key		\$900.00	\$900.00
1	<b>UPS® Ground</b>		\$0.00	\$0.00

**Subtotal** \$13,900.00

**Tax (%)** \$736.70

**Total** \$14,636.70

Ship 10%

1,463.67

16,100.37



272214

Aquia Creek-3



DoubleRadius, Inc.  
2022 Van Buren Ave  
Indian Trail NC  
28079  
US

Quote  
#272209  
7/30/2019

Bill To  
Juan Marte  
KGI Communications, LLC  
4485 DANUBE DR #8A  
KING GEORGE VA 22485  
United States

Ship To  
Juan Marte  
KGI Communications, LLC  
4485 DANUBE DR #8A  
KING GEORGE VA 22485  
United States

TOTAL

~~\$3,098.04~~

Expires: 8/29/2019

Expires  
8/29/2019

Memo

Shipping Method  
UPS® Ground

Sales Rep  
Benton Cook

Quantity	Item	Notes	Rate	Amount
6	RW-8019-1100 RWIN SmartNode AC-DC RW8000/SM/ACIN/DCOUT/10/UNI AC input and DC out		\$1,599.69	<del>\$1,599.69</del> 9,598.14
1	RW-8019-3200 RWIN SmartNode 35-57VDC, for Solar Panel DC input and DC out RW8000/SM/DCIN/DCOUT/40/UNI		<del>\$1,342.42</del>	<del>\$1,342.42</del>
1	UPS® Ground		<del>\$0.00</del>	<del>\$0.00</del>

Subtotal ~~\$2,942.11~~  
Tax (5.3%) ~~508.71~~  
Total ~~\$3,098.04~~

9,598.14  
+ 508.71  


---

Subtotal 10,106.85  
x 10% Ship 1,010.69  


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Total 11,117.54



272209

Double Radius

MP4  
Ww-7

ALL

PROCEED TO CHECKOUT  
A Creek-4

W = Widewater / Aquia Landing  
M = Marlborough Pt  
A = Aquia Creek Pt

# SHOPPING CART (53 PRODUCTS, 1924 ITEMS)

  
 Ubiquiti EdgePoint WISP switch, 16-port  
 (<https://www.doubleradius.com/Manufacturers/EdgePoint/Ubiquiti-EdgePoint-16-Port-Switch.html>)  
 \$513.55 ~~\$529.00~~  
 (https://www.doubleradius.com/Manufacturers/EdgePoint/Ubiquiti-EdgePoint-16-Port-Switch.html)  
 Quantity: 2

Amount: \$1,027.10

REMOVE

M - 513.55  
A - 513.55

  
 Cambium 900 MHz 12 dBi gain directional antenna (Dual Slant)  
 ([https://www.doubleradius.com/Manufacturers/Antennas\\_18/Cambium-900-MHz-12-dBi-gain-directional-antenna-Dual-Slant.html](https://www.doubleradius.com/Manufacturers/Antennas_18/Cambium-900-MHz-12-dBi-gain-directional-antenna-Dual-Slant.html))  
 \$71.20 ~~\$89.00~~  
 (https://www.doubleradius.com/Manufacturers/Antennas\_18/Cambium-900-MHz-12-dBi-gain-directional-antenna-Dual-Slant.html)  
 Quantity: 84

Amount: \$5,980.80

REMOVE

A

  
 Cambium cnPilot™ R201P, US, 802.11ac dual band Gigabit WLAN Router with ATA and PoE (<https://www.doubleradius.com/Manufacturers/WiFi/cnPilot-R201P.html>)  
 \$120.00  
 (https://www.doubleradius.com/Manufacturers/WiFi/cnPilot-R201P.html)  
 Quantity: 320

Amount: \$38,400.00

REMOVE

120 - M = 14,400.00  
151 - W = 18,120.00  
49 - A = 5,880.00

REMOVE



Baicells Nova 233 Gen 2 eNodeB Base Station  
(<https://www.doublerradius.com/Manufacturers/nova/baicells-nova-233-gen-2-enodeb-outdoor-base-station.html>)

\$3,999.00

(<https://www.doublerradius.com/Manufacturers/nova/baicells-nova-233-gen-2-enodeb-outdoor-base-station.html>)  
SKU: #NOVA 233 3.5GHz 1W Gen2 (MBS1105)

Quantity:

4

Amount: \$15,996.00

m

REMOVE



Mikrotik Hot Swap -48V DC Telecom Power Supply  
([https://www.doublerradius.com/Manufacturers/Mikrotik-Accessories/mikrotik-hot-swap-48v-dc-telecom-power-supply\\_2.html](https://www.doublerradius.com/Manufacturers/Mikrotik-Accessories/mikrotik-hot-swap-48v-dc-telecom-power-supply_2.html))

\$100.00

([https://www.doublerradius.com/Manufacturers/Mikrotik-Accessories/mikrotik-hot-swap-48v-dc-telecom-power-supply\\_2.html](https://www.doublerradius.com/Manufacturers/Mikrotik-Accessories/mikrotik-hot-swap-48v-dc-telecom-power-supply_2.html))  
SKU: #MWS 48V 12V 150W

Quantity:

8

Amount: \$800.00

w

REMOVE



Ubiquiti Ufiber WiFi (<https://www.doublerradius.com/Manufacturers/ubiquiti-ufiber/ubiquiti-ufiber-wifi.html>)

\$79.00

(<https://www.doublerradius.com/Manufacturers/ubiquiti-ufiber/ubiquiti-ufiber-wifi.html>)  
SKU: #UF-WiFi

Quantity:

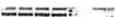
5

Amount: \$395.00

Please Call 866-891-3602 for Availability

w

REMOVE



MikroTik Cloud Router Switch 16xSFP+  
(<https://www.doublerradius.com/Manufacturers/MikroTik-Cloud-Router-Switch-16xSFP.html>)

\$399.00

(<https://www.doublerradius.com/Manufacturers/MikroTik-Cloud-Router-Switch-16xSFP.html>)  
SKU: #CROSS 16xSFP

Quantity:



Switch-  
16xSFP.html)

4

Amount: \$1,596.00

REMOVE

2-W = 798.00

1-M = 399.00

1-A = 399.00

MikroTik Cloud Core Router CCR1072-1G-8S+  
(<https://www.doubleradius.com/Manufacturers/Ethernet-Routers/Mikrotik-Cloud-Core-Router-CCR1072-1G-8S.html>)

\$3,050.00

1-W = 3,050.00

1-M = 3050.00

(<https://www.doubleradius.com/Manufacturers/Ethernet-Routers/Mikrotik-Cloud-Core-Router-CCR1072-1G-8S.html>)  
SKU: #CCR1072-1G-8S+  
Quantity:  
2  
Amount: \$6,100.00

REMOVE



Ubiquiti EdgePower, 54v, 150W  
(<https://www.doubleradius.com/Manufacturers/ubiquiti-edgepower/ubiquiti-edgepower-54v-150w.html>)

\$187.80 ~~\$195.00~~

2-W = 375.60

2-A = 375.60

2-M = 375.60

(<https://www.doubleradius.com/Manufacturers/ubiquiti-edgepower/ubiquiti-edgepower-54v-150w.html>)  
SKU: #EP-54v-150W  
Quantity:  
6

Amount: \$1,126.80

Please Call 866-891-3602 for Availability

REMOVE



Ubiquiti U-Fiber GPON OLT, Class B+ SFP Module - US  
(<https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/Ubiquiti-U-Fiber-GPON-OLT-Class-B-SFP-Module.html>)

\$71.55 ~~\$79.00~~

(<https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/Ubiquiti-U-Fiber-GPON-OLT-Class-B-SFP-Module.html>)  
SKU: #UP-OLT-B+(US)  
Quantity:  
33  
Amount: \$2,361.15

W

REMOVE



IgniteNet's LinqAssist Bluetooth Module  
 (https://www.doubradius.com/Manufacturers/ignitenet-accessories/ignitenet-linqassist-bluetooth-module.html)

\$6.00

(https://www.doubradius.com/Manufacturers/ignitenet-accessories/ignitenet-linqassist-bluetooth-module.html)

Quantity:

3

Amount: \$18.00

j-w = 6.00  
 1 M = 6.00  
 1 A = 6.00

REMOVE



IgniteNet MetroLinq Bracket, Standard  
 (https://www.doubradius.com/Manufacturers/ignitenet-accessories/ignitenet-metrolinq-bracket-standard-icc-bracket-std.html)

\$18.80 ~~\$21.00~~

(https://www.doubradius.com/Manufacturers/ignitenet-accessories/ignitenet-metrolinq-bracket-standard-icc-bracket-std.html)

Quantity:

36

Amount: \$676.80

- w

REMOVE



IgniteNet MetroLinq Bracket, Long Range  
 (https://www.doubradius.com/Manufacturers/ignitenet-accessories/ignitenet-metrolinq-bracket-long-range-icc-bracket-lr.html)

\$61.62 ~~\$69.00~~

(https://www.doubradius.com/Manufacturers/ignitenet-accessories/ignitenet-metrolinq-bracket-long-range-icc-bracket-lr.html)

Quantity:

18

Amount: \$1,109.16

10 - w = 616.20  
 7 - A = 492.96

REMOVE



IgniteNet MetroLinq Alignment Scope  
 (https://www.doubradius.com/Manufacturers/ignitenet-accessories/IgniteNet-MetroLinq-Alignment-Scope.html)

\$96.34 ~~\$99.00~~

(https://www.doubradius.com/Manufacturers/ignitenet-accessories/IgniteNet-MetroLinq-Alignment-Scope.html)

Quantity:

2

Amount: \$192.68

w



KP Performance 3.5 GHz to 4.2 GHz, + 4.9 GHz to 6.4 GHz, 8-Port Dual Band Sector Antenna (<https://www.doubleradius.com/Manufacturers/proline-antennas/kp-performance-3.5-ghz-to-4.2-ghz-4.9-ghz-to-6.4-ghz-8-port-dual-band-sector-antenna>)

(<https://www.doubleradius.com/Manufacturers/proline-antennas/kp-performance-3.5-ghz-to-4.2-ghz-4.9-ghz-to-6.4-ghz-8-port-dual-band-sector-antenna>)

SKU: #KPP-3S65-5S90-X8

Quantity:

4

Amount: \$2,599.96

M

REMOVE



Ubiquiti airFiber 11FX High Band Duplexer Accessory (<https://www.doubleradius.com/Manufacturers/airFiber/ubiquiti-airfiber-11fx-high-band-duplexer-accessory.html>)

\$185.55 ~~\$199.00~~

(<https://www.doubleradius.com/Manufacturers/airFiber/ubiquiti-airfiber-11fx-high-band-duplexer-accessory.html>)

Quantity:

4

Amount: \$742.20

2 W = 371.10  
2 M = 371.10

REMOVE



Ubiquiti 11 GHz airFiber Dish, 35 dBi (<https://www.doubleradius.com/Manufacturers/airFiber-X-Antenna/ubiquiti-11-ghz-airfiber-dish-35-dbi-af-11g35.html>)

\$379.00

(<https://www.doubleradius.com/Manufacturers/airFiber-X-Antenna/ubiquiti-11-ghz-airfiber-dish-35-dbi-af-11g35.html>)

Quantity:

2

Amount: \$758.00

1 - M = 379.00  
1 - ~~M~~ = 379.00

REMOVE



Shireen Outdoor CAT5e FTP Shielded 1000ft Spool (DC-1021) (<https://www.doubleradius.com/Manufacturers/Shireen/Shireen-Outdoor-CAT5e-FTP-Shielded-1000ft-Spool-DC-1021.html>)

\$157.45 ~~\$255.00~~

(<https://www.doubleradius.com/Manufacturers/Shireen/Shireen-Outdoor-CAT5e-FTP-Shielded-1000ft-Spool-DC-1021.html>)

Quantity:

8 - M = ~~1,259.60~~  
8 - M = 1,259.60  
8 - M = ~~1,259.60~~  
8 - W = ~~1,259.60~~

Shielded-  
1000ft-Spool-  
DC-1021.html)

24

Amount: \$3,778.80

REMOVE

IgniteNet MetroLinq 10G Tri-Band Omni Base Station  
(<https://www.doubleradius.com/Manufacturers/MetroLinq/ignitenet-metrolinq-10g-tri-band-omni-base-station.html>)

\$699.00 ~~\$999.00~~

(<https://www.doubleradius.com/Manufacturers/MetroLinq/ignitenet-metrolinq-10g-tri-band-omni-base-station.html>)  
Quantity:  
19

Amount: \$13,281.00

REMOVE

Ubiquiti airFiber 11FX  
(<https://www.doubleradius.com/Manufacturers/airFiber/ubiquiti-airfiber-11fx.html>)

\$600.00

(<https://www.doubleradius.com/Manufacturers/airFiber/ubiquiti-airfiber-11fx.html>)  
Quantity:  
2

Amount: \$1,200.00

REMOVE

KP Performance 4-Port Dual-Band OMNI Antenna, 11/12 dBi High Gain  
(<https://www.doubleradius.com/Manufacturers/dual-sector-antennas/kp-performance-4-port-dual-band-omni-antenna-11-12-dbi-high-gain.html>)

\$349.95

(<https://www.doubleradius.com/Manufacturers/dual-sector-antennas/kp-performance-4-port-dual-band-omni-antenna-11-12-dbi-high-gain.html>)  
Quantity:  
4  
Amount: \$1,399.80

REMOVE

10-u = 6,990.00

8-A = 5,592.00

1 = ~~W~~inding A901 = 699.00

1-m = 600.00

2-u = 600.00

2-m = 699.90

2-A = 699.90

REMOVE

Ubiquiti FiberPOE, G2  
(<https://www.doubleradius.com/Manufacturers/PoE/ubiquiti-fiberpoe-g2.html>)

\$29.00

SKU: #F-POE-G2  
(<https://www.doubleradius.com/Manufacturers/PoE/ubiquiti-fiberpoe-g2.html>)  
Quantity:  
18

*m*

Amount: \$522.00

REMOVE



Cambium Power Supply, AC, 48V, 640W  
([https://www.doubleradius.com/Manufacturers/Accessories\\_34/cambium-power-supply-ac-48v-640w.html](https://www.doubleradius.com/Manufacturers/Accessories_34/cambium-power-supply-ac-48v-640w.html))

\$449.00

SKU: #N000909101A  
([https://www.doubleradius.com/Manufacturers/Accessories\\_34/cambium-power-supply-ac-48v-640w.html](https://www.doubleradius.com/Manufacturers/Accessories_34/cambium-power-supply-ac-48v-640w.html))  
Quantity:  
6

*2-w = 898,00*  
*4-m = 1796,00*

Amount: \$2,694.00

REMOVE

Cambium ePMP 3000 5 GHz Access Point Radio  
(<https://www.doubleradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-5-ghz-access-point-radio.html>)

\$799.00

SKU: #N000910102A  
(<https://www.doubleradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-5-ghz-access-point-radio.html>)  
Quantity:  
6

*m*

Amount: \$4,794.00

REMOVE

IgniteNet MetroLinq 60 LW Dualband Omni  
(<https://www.doubleradius.com/Manufacturers/MetroLinq/ignitenet-metrolinq-60-lw-dualband-omni.html>)

\$278.02 ~~\$299.00~~

SKU: #ML-60-LW-DB-05  
(<https://www.doubleradius.com/Manufacturers/MetroLinq/ignitenet-metrolinq-60-lw-dualband-omni.html>)  
Quantity:

*A*

1  
Amount: \$278.02

REMOVE

 Ubiquiti UFiber PLC 8 Splitter  
(<https://www.doubleradius.com/Manufacturers/UBNT-Cables/ubiquiti-ufiber-plc-8-splitter.html>)  
SKU: #UP-SPLITTER-8  
\$13.00  
(<https://www.doubleradius.com/Manufacturers/UBNT-Cables/ubiquiti-ufiber-plc-8-splitter.html>)  
Quantity: 20

w

Amount: \$260.00  
Please Call 866-891-3602 for Availability

REMOVE

 Ubiquiti UFiber PLC 4 Splitter  
(<https://www.doubleradius.com/Manufacturers/UBNT-Cables/ubiquiti-ufiber-plc-4-splitter.html>)  
SKU: #UP-SPLITTER-4  
\$9.96 ~~\$10.00~~  
(<https://www.doubleradius.com/Manufacturers/UBNT-Cables/ubiquiti-ufiber-plc-4-splitter.html>)  
Quantity: 20

w

Amount: \$199.20  
Please Call 866-891-3602 for Availability

REMOVE

 Cambium ePMP™ Force 300-25 Radio  
([https://www.doubleradius.com/Manufacturers/Force/cambium-epmp-force-300-25-radio\\_2.html](https://www.doubleradius.com/Manufacturers/Force/cambium-epmp-force-300-25-radio_2.html))  
SKU: #C0689100102A  
\$153.85 ~~\$169.00~~  
([https://www.doubleradius.com/Manufacturers/Force/cambium-epmp-force-300-25-radio\\_2.html](https://www.doubleradius.com/Manufacturers/Force/cambium-epmp-force-300-25-radio_2.html))  
Quantity: 264

~~1520~~  
144 - WW = 22,154.40  
120 - MP = 18,462.00

Amount: \$40,616.40

REMOVE



Cambium Universal Mounting Bracket, Heavy Duty  
 (https://www.doublerradius.com/Manufacturers/Accessories\_34/Motorola-Universal-Mounting-Bracket-for-900-MHz-Connectorized-Units.html)

\$44.00 ~~\$55.00~~

(https://www.doublerradius.com/Manufacturers/Accessories\_34/Motorola-Universal-Mounting-Bracket-for-900-MHz-Connectorized-Units.html)  
 SKU: #N000900L001A  
 Quantity:  
 336  
 Amount: \$14,784.00

120 M = 5,280.00  
 84 A = 3,696.00  
 132 W = 5,808.00

REMOVE



Cambium CMM 30 VDC Power Supply  
 (https://www.doublerradius.com/Manufacturers/Accessories\_34/Cambium-Power-Supply-Single-Output-Switching-30V-240W-HLG-240H.html)

\$160.00 ~~\$200.00~~

(https://www.doublerradius.com/Manufacturers/Accessories\_34/Cambium-Power-Supply-Single-Output-Switching-30V-240W-HLG-240H.html)  
 SKU: #N000900L055A  
 Quantity:  
 6  
 Amount: \$960.00

A - 4 640.00  
 MP - 2 320.00

REMOVE



Cambium Canopy Surge Suppressor  
 (https://www.doublerradius.com/Manufacturers/Accessories\_34/cambium-canopy-surge-suppressor.html)

\$26.00 ~~\$30.00~~

(https://www.doublerradius.com/Manufacturers/Accessories\_34/cambium-canopy-surge-suppressor.html)  
 SKU: #N000900L005B  
 Quantity:

105

Amount: \$2,730.00

A

REMOVE



Cambium ePMP™ 1000 Spare Power Supply - Gigabit Ethernet  
 (https://www.doublerradius.com/Manufacturers/Accessories\_34/Cambium-ePMP-1000-Spare-Power-Supply-N000900L001A\_2.html)

\$15.00

(https://www.doublerradius.com/Manufacturers/Accessories\_34/Cambium-ePMP-1000-Spare-Power-Supply-N000900L001A\_2.html)  
 SKU: #N000900L001B  
 Quantity:  
 84  
 Amount: \$1,260.00

A



Ubiquiti U Fiber, 8-port GPON OLT  
 (https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/ubiquiti-u-fiber-8-port-gpon-olt.html)

\$1,799.00

(https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/ubiquiti-u-fiber-8-port-gpon-olt.html)

Quantity:

4

Amount: \$7,196.00

u

REMOVE

Cambium ePMP 3000 Sector Antenna  
 (https://www.doubleradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-sector-antenna\_2.html)

\$399.00

(https://www.doubleradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-sector-antenna\_2.html)

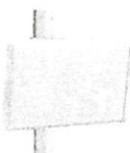
Quantity:

6

Amount: \$2,394.00

m

REMOVE



Cambium ePMP™ 2000 Smart Antenna  
 (https://www.doubleradius.com/Manufacturers/ePMP-2000/Cambium-ePMP-2000-Smart-Antenna.html)

\$286.25 ~~\$379.00~~

(https://www.doubleradius.com/Manufacturers/ePMP-2000/Cambium-ePMP-2000-Smart-Antenna.html)

Quantity:

6

Amount: \$1,717.50

m

REMOVE



Shireen Outdoor CAT6 FTP Shielded 1000ft Spool (DC-2021)  
 (https://www.doubleradius.com/Manufacturers/Shireen/Shireen-Outdoor-CAT6-FTP-Shielded-1000ft-Spool-DC-2021.html)

\$184.38 ~~\$327.47~~

(https://www.doubleradius.com/Manufacturers/Shireen/Shireen-Outdoor-CAT6-FTP-Shielded-1000ft-Spool-DC-2021.html)

Quantity:

11

Amount: \$2,028.18

5 - u = 921.90

5 - A 921.90

1 - m 184.38

REMOVE



KP Performance Yagi Antenna, 900MHz Dual Pol - 5 Pack  
(<https://www.doubleradius.com/Manufacturers/kp-performance-1/kp-performance-yagi-antenna-900mhz-dual-pol-5-pack.html>)

\$639.40

(<https://www.doubleradius.com/Manufacturers/kp-performance-1/kp-performance-yagi-antenna-900mhz-dual-pol-5-pack.html>)  
SKU: KPFA900P19  
Quantity:  
12  
Amount: \$7,672.80

4-A 2,552.60  
4-M 2,552.60  
4-W 2,552.60

REMOVE



Gamma Electronics RF Jumper Cable Kit, 4310M-48-SDL  
(<https://www.doubleradius.com/Manufacturers/gamma-electronics-store/gamma-electronics-rf-jumper-cable-kit-4310m-48-sdl.html>)

\$92.50

(<https://www.doubleradius.com/Manufacturers/gamma-electronics-store/gamma-electronics-rf-jumper-cable-kit-4310m-48-sdl.html>)  
SKU: GPC431M-SFLX-4310M-48-SDL  
Quantity:  
6  
Amount: \$555.00

M

REMOVE



Gamma Electronics Tight Wrap Self Amalgamating Tape  
(<https://www.doubleradius.com/Manufacturers/gamma-electronics-store/gamma-electronics-tight-wrap-self-amalgamating-tape.html>)

\$11.90

(<https://www.doubleradius.com/Manufacturers/gamma-electronics-store/gamma-electronics-tight-wrap-self-amalgamating-tape.html>)  
SKU: T155A1.9.90-15  
Quantity:  
20  
Amount: \$238.00

~~10-6 = 119.00~~  
5-M = 59.50  
5-A = 59.50

REMOVE



Cambium Coaxial Cable Installation Assembly Kits (WB3616H)  
 ([https://www.doublerradius.com/Manufacturers/Accessories\\_34/Coaxial-Cable-Installation-Assembly-Kits.html](https://www.doublerradius.com/Manufacturers/Accessories_34/Coaxial-Cable-Installation-Assembly-Kits.html))

\$200.00 ~~\$250.00~~

([https://www.doublerradius.com/Manufacturers/Accessories\\_34/Coaxial-Cable-Installation-Assembly-Kits.html](https://www.doublerradius.com/Manufacturers/Accessories_34/Coaxial-Cable-Installation-Assembly-Kits.html))  
 SKU: WB3616H  
 Quantity:  
 8

*m*

Amount: \$1,600.00

REMOVE

Cambium cnPulse Sync Generator  
 ([https://www.doublerradius.com/Manufacturers/Accessories\\_34/cambium-cnpulse-sync-generator.html](https://www.doublerradius.com/Manufacturers/Accessories_34/cambium-cnpulse-sync-generator.html))

\$206.22 ~~\$279.00~~

([https://www.doublerradius.com/Manufacturers/Accessories\\_34/cambium-cnpulse-sync-generator.html](https://www.doublerradius.com/Manufacturers/Accessories_34/cambium-cnpulse-sync-generator.html))  
 SKU: P0000001000A  
 Quantity:

*m*

2

Amount: \$412.44

REMOVE

Cambium CMM5 Power and Sync Injector 29V  
 ([https://www.doublerradius.com/Manufacturers/Accessories\\_34/cambium-cmm5-power-and-sync-injector-29v.html](https://www.doublerradius.com/Manufacturers/Accessories_34/cambium-cmm5-power-and-sync-injector-29v.html))

\$1,295.00

([https://www.doublerradius.com/Manufacturers/Accessories\\_34/cambium-cmm5-power-and-sync-injector-29v.html](https://www.doublerradius.com/Manufacturers/Accessories_34/cambium-cmm5-power-and-sync-injector-29v.html))  
 SKU: P0000001520A  
 Quantity:

*m*

2

Amount: \$2,590.00

REMOVE

Cambium CMM5 Controller  
 ([https://www.doublerradius.com/Manufacturers/Accessories\\_34/cambium-cmm5-controller-1.html](https://www.doublerradius.com/Manufacturers/Accessories_34/cambium-cmm5-controller-1.html))

\$995.00

([https://www.doublerradius.com/Manufacturers/Accessories\\_34/cambium-cmm5-controller-1.html](https://www.doublerradius.com/Manufacturers/Accessories_34/cambium-cmm5-controller-1.html))  
 SKU: P0000001500A  
 Quantity:

*m*

2

Amount: \$1,990.00

REMOVE



Cambium PTP 450 900 MHz Connectorized Module  
([https://www.doublerradius.com/Manufacturers/Accessories\\_34/Cambium-PTP-450-900-MHz-END-Connectorized.html](https://www.doublerradius.com/Manufacturers/Accessories_34/Cambium-PTP-450-900-MHz-END-Connectorized.html))

\$458.86 ~~\$625.00~~

([https://www.doublerradius.com/Manufacturers/Accessories\\_34/Cambium-PTP-450-900-MHz-END-Connectorized.html](https://www.doublerradius.com/Manufacturers/Accessories_34/Cambium-PTP-450-900-MHz-END-Connectorized.html))  
Quantity: 84

Amount: \$38,544.24

A

REMOVE



Cambium 900 MHz PMP 450i Connectorized Access Point  
(<https://www.doublerradius.com/Manufacturers/PMP-450i/Cambium-900-MHz-PMP-450i-Connectorized-Access-Point.html>)

\$2,447.20 ~~\$3,059.00~~

(<https://www.doublerradius.com/Manufacturers/PMP-450i/Cambium-900-MHz-PMP-450i-Connectorized-Access-Point.html>)  
Quantity: 6

Amount: \$14,683.20

4 - M 9788.80  
~~2 - A 4,894.40~~

REMOVE



IgniteNet MetroLinq 60 LW  
(<https://www.doublerradius.com/Manufacturers/MetroLinq/ignitenet-metrolinq-60-lw.html>)

\$285.09 ~~\$299.00~~

(<https://www.doublerradius.com/Manufacturers/MetroLinq/ignitenet-metrolinq-60-lw.html>)  
Quantity: 250

Amount: \$71,272.50

W

REMOVE



Ubiquiti U Fiber, Multi-Mode Module, 10G, 2-Pack  
(<https://www.doublerradius.com/Manufacturers/ubiquiti-u-fiber/ubiquiti-u-fiber-multi-mode-module-10g-2-pack.html>)

\$38.00

(<https://www.doublerradius.com/Manufacturers/ubiquiti-u-fiber/ubiquiti-u-fiber-multi-mode-module-10g-2-pack.html>)  
Quantity:

W

u-fiber-multi-  
mode-module-  
10g-2-  
pack.html)

5  
Amount: \$190.00

REMOVE



Ubiquiti U Fiber, Single-Mode Module, 10G, 2-Pack  
(<https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/Ubiquiti-u-fiber-single-mode-module-10g-2-pack.html>)

\$85.00

(<https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/Ubiquiti-u-fiber-single-mode-module-10g-2-pack.html>)  
SKU: #UP-SM-10G  
Quantity:  
40  
Amount: \$3,400.00  
Please Call 866-891-3602 for Availability

30 - u = 3,550.00  
~~10 - A = 850.00~~

REMOVE



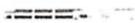
MikroTik Encloser SFP+ 3m Direct Attach Cable  
(<https://www.doubleradius.com/Manufacturers/Interfaces/Mikrotik-SFP-direct-attach-cable-3m-SDA0003.html>)

\$36.99 ~~\$39.00~~

(<https://www.doubleradius.com/Manufacturers/Interfaces/Mikrotik-SFP-direct-attach-cable-3m-SDA0003.html>)  
SKU: #SDA0003  
Quantity:  
3  
Amount: \$110.97

u

REMOVE



MikroTik Ethernet Router CCR1016-12S-1S+  
(<https://www.doubleradius.com/Manufacturers/Ethernet-Routers/Mikrotik-Cloud-Core-Router-1016-12S-1S-CCR1016-12S-1S.html>)

\$683.45 ~~\$745.00~~

(<https://www.doubleradius.com/Manufacturers/Ethernet-Routers/Mikrotik-Cloud-Core-Router-1016-12S-1S-CCR1016-12S-1S.html>)  
SKU: #CCR1016-12S-1S+  
Quantity:  
1  
Amount: \$683.45

u

REMOVE

Ubiquiti ToughCable Connectors, 100 pieces - US Version  
(<https://www.doublerradius.com/Manufacturers/TOUGHCable/Ubiquiti-Tough-Cable-Connectors-100pc.html>)

\$48.00 ~~\$49.00~~

(<https://www.doublerradius.com/Manufacturers/TOUGHCable/Ubiquiti-Tough-Cable-Connectors-100pc.html>)  
SKU: #TC-100  
Quantity:  
2

Amount: \$96.00

W A = 48.00

A Q = 48.00

F

REMOVE



Ubiquiti Power Cable  
(<https://www.doublerradius.com/Manufacturers/EdgePoint/ubiquiti-power-cable-12-awg.html>)

\$599.00

(<https://www.doublerradius.com/Manufacturers/EdgePoint/ubiquiti-power-cable-12-awg.html>)  
SKU: #PC-12  
Quantity:

1

Amount: \$599.00

AA

REMOVE



MikroTik S+RJ10 6-speed RJ-45 Module  
(<https://www.doublerradius.com/Manufacturers/Interfaces/mikrotik-srj10-6-speed-rj-45-module.html>)

\$65.00

(<https://www.doublerradius.com/Manufacturers/Interfaces/mikrotik-srj10-6-speed-rj-45-module.html>)  
SKU: #SRJ10  
Quantity:

1

Amount: \$65.00

w

REMOVE

**ORDER SUMMARY**

Subtotal (1924 items)

Ship to: 22485  
Shipping

Aguia Creek Rd  
77,998.27  
C.T + 4,679.90  
82,678.17  
10/5/18 + 8,267.82  
90,945.99

~~\$326,675.15~~

~~\$14,005.55~~

Aquia Creek Rd. - 1

**Estimate**



**KGI Communications LLC**  
4485 Danube Dr.  
King George, VA 22485 US  
540-709-7070  
info@kgicomm.com

ADDRESS
Aquia Creek Rd Project In-kind

ESTIMATE #	DATE
1007	08/15/2019

ACTIVITY	QTY	RATE	AMOUNT
<b>In-Kind</b> System Engineering	1	15,000.00	15,000.00
<b>In-Kind</b> Residential Installation Discount (119 service units)	119	211.00	25,109.00
<b>In-Kind</b> Aquia Bay Marina N/C Lease (\$300/mo x 5 years, includes 3% yearly price increase)	1	19,113.00	19,113.00

TOTAL **\$59,222.00**

Accepted By

Accepted Date

My Quote

Cart Number: 203468  
Payment Method: Purchase Order

Date: 07/30/19 10:49 AM

Ship To

KGI Communications LLC  
Suite 8A  
KING GEORGE, VA 22485

Bill To

KGI Communications LLC  
Suite 8A  
KING GEORGE, VA 22485

Customer #: 140354  
Phone: 540-709-7070

Customer #: 140354  
Phone: 540-709-7070  
E-mail: KGICOMMUNICATIONSLLC@GMAIL.COM

Shipping Method

Ship Via: BEST METHOD - GROUND  
Ship Complete:  
Comments:

Additional

Cart Type: Quote  
Release Number:  
Customer Job #:  
Required Date:  
PO Number:

Products

Product	Description	Quantity	Unit Meas	P/O Line	Suggested Retail Price	Extended
ANDHFT1206-24SV2-110	110' Lo Ind Hybrid Trunk Cable 24 SM Fiber + 12 x 6AWG Cond	1	EA		4103.82 3283.05	3283.05
MTSS-600	72" Stand-off Bracket with 32" x 1-7/8" OD Antenna Mounting Pipe	3	EA		288.27 230.62	691.86
MTSL5-SB50	8" to 16" OD Vertical or Tapered Leg Clamp Set for Stand-off Brackets, 2/Pkg	8	EA		165.83 132.67	1061.36
AND294571	I-Line Angle Adapter Stainless Steel Kit with 3/4" Hole (Snap-Ins), 10/Pkg	10	EA		36.03 24.87	248.70
AND43211A	Hanger Kit for 1/2" or 3/8" Coax, EW180/220, 10/Pkg	10	EA		19.89 16.71	167.10
ANDHFT1206-24SV2-120	120' Low Inductance Hybrid Trunk Cable 24 SM Fiber + 12 x 6AWG Conductor	1	EA		4540.00 3632.00	3632.00
ANDFE-14126-E	14"x12"x6" Excess Fiber Cable Management Encl, 100 Ft max	1	EA		390.10 312.08	312.08
HNS84125915	19" Rack Mountable Fiber Junction Box	3	EA		139.67 111.73	335.19
HNS85008377	1x1 20Ft Hybrid Jumper	20	EA		301.47 241.17	4823.40
HNS85077776	Univ Grnd Kit 5' w/unatt 1/4"	2	EA		30.53 22.90	45.80
FBRRMP2402SMLCDO	Fiber Panel Rmt 1U LCU SM DUP 12FBR SM/DX Adapt 12SM LC Dplx	3	EA		352.00 251.68	755.04
ANDPWRT-210-S	2-Conductor #10 Shielded 600V Power Cable with Drain & #10 Bare Ground Wire	500	FT		3.07 1.40	700.00
MTSPM-XT-36	63" x 4-1/2" OD 36" Tower Stand-Off Pipe Mount	3	EA		534.13 427.30	1281.90

Merchandise Total \$17,337.48

Estimated Freight TBD

Estimated Tax \$0.00 -1,040.25 T 6%

Total \$17,337.48

NOTE: All quotes are FOB origin unless otherwise specified. Delivery charges and sales tax shown are estimated. Your final costs may be higher or lower, based on shipment method(s) and delivery location(s). Quotations are valid for 30 days.

16,377.73 sub-TTL  
 ship 10% + 1,837.78  
 20,215.51 TTL

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- Return Policy
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- Quality Policy
- Sitemap

Shipping 10%



MP-2  
QUOTATION 961069

MP  
Corporate Address  
12976 Sandoval Street  
Santa Fe Springs, CA 90670  
800.949.7079  
sales@talleycom.com

Date: 02/18/19  
Prepared By: BRAD STEVENSON  
Email: bstevenson@talleycom.com  
Phone: 800-949-7079 Ext: 1903

Page: 1 OF 2  
Requested By: JUAN MARTE  
Customer P/O: ROHN TOWER PARTS  
Release #:

Bill To: 140354  
KGI Communications LLC  
Suite 8A  
KING GEORGE, VA 22485

Job #:  
Ship To: KGI COMMUNICAIONS, LLC  
4485 DANUBE DRIVE  
SUITE 8A  
KING GEORGE, VA 22485

Terms: CREDIT CARD

Ship Via: BEST METHOD - GROUND

Product Description	Quantity	Unit Price	U/M	Extended Price
<b>ROH45G</b> 10 Ft, 18" Galv Equilateral Triangular Tower Section	9	240.8200	EA	2,167.38
<b>ROHDM45G2</b> FACE DISH MOUNT 2-3/8" O.D. 5' LONG	4	200.0000	EA	800.00
<b>ROHBPH45G</b> Hinged Base Plate for 45G	1	735.6200	EA	735.62
ALT-SKU#BPH45G				
<b>ROHGA45GD</b> Guy Wire Bracket Assembly for 45G Tower Sections	4	175.8500	EA	703.40
<b>ROHBPL45G</b> 45G Top Plate for TB3 & TB4 Bearings	1	207.9500	EA	207.95
<b>ROHEF2545</b> 12 Ft Erection Pole & Clamp Head for 25/45G Tower Sections	1	913.3300	EA	913.33
ALT-SKU#EF2545				
<b>ROHTA45</b> 45G TORQUE ARM STABILIZER	1	430.8300	EA	430.83
<b>ROH45TGIA</b> 10 Ft Tapered Base Assembly for 45G 4197	1	1467.1200	EA	1,467.12
<b>ROH45AG2</b> 9.5 Ft Top Section for 45G w/18"(L) 2-3/8" OD Supp Tube	2	325.5000	EA	651.00
ALT-SKU#45AG2				

Continued

NOTE: All quotes are FOB origin unless otherwise specified. Freight charges and taxes are determined at the time of shipping. Quotations are valid for 30 days. All quotes subject to Talley terms and conditions.

Atlanta . Chicago . Dallas . Denver . Kansas City . Los Angeles . Minneapolis . New York . Phoenix . Sacramento . Seattle



QUOTATION 961069

Corporate Address  
12976 Sandoval Street  
Santa Fe Springs, CA 90670  
800.949.7079  
sales@talleycom.com

Date: 02/18/19  
Prepared By: BRAD STEVENSON  
Email: bstevenson@talleycom.com  
Phone: 800-949-7079 Ext: 1903

Page: 2 OF 2  
Requested By: JUAN MARTE  
Customer P/O: ROHN TOWER PARTS  
Release #:

Bill To: 140354  
KGI Communications LLC  
Suite 8A  
KING GEORGE, VA 22485

Job #:  
Ship To: KGI COMMUNICAIONS, LLC  
4485 DANUBE DRIVE  
SUITE 8A  
KING GEORGE, VA 22485

Terms: CREDIT CARD

Ship Via: BEST METHOD - GROUND

Product Description	Quantity	Unit Price	U/M	Extended Price
<b>ROHCPC1/1.25</b> Guy Anchor Clamp for 1" to 1-1/4" OD Ground Rods	6	38.6300	EA	231.78
<b>ROH5006</b> 1/2" X 6 Ft Copper Ground Rod	6	30.3800	EA	182.28
<b>ROHGM35</b> PACKAGE HDWRE CW4ST 45/340017T	3	121.6700	EA	365.01
<b>ROH3/4TBE&amp;J</b> 3/4" TURNBUCKLE EYE & JAW	24	118.3300	EA	2,839.92
<b>ROHGAC5955TOP</b> ROD ANCHOR 5955 1.44"DBL R 20'	3	1175.3500	EA	3,526.05
<b>ROHGC65270</b> END SLEEVE, HDG, 7/8"	24	10.1000	EA	242.40
<b>ROH3/8THH</b> 3/8" Heavy Duty Thimble for 1/4" or 5/16" Guy Wire	24	2.7500	EA	66.00
<b>ROH1/4EHS1000</b> 1/4" Extra Heavy Strength Guy Wire, 1000 Ft/Coil	1	314.1700	EA	314.17

+ Permiso 10000  
MAS INSTALACION

TTL  
6%

346  
TTL

950.61

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

Date: \_\_\_\_\_

Shop Online: www.Talleycom.com

MDSE Total	15,844.24
Tax	TBD
Est. Freight	TBD
Total	15,844.24

16,794.90  
12%  
Ship + 1679.49

= 18,474.39 TTL

NOTE: All quotes are FOB origin unless otherwise specified. Freight charges and taxes are determined at the time of shipping. Quotations are valid for 30 days. All quotes subject to Talley terms and conditions.

Atlanta . Chicago . Dallas . Denver . Kansas City . Los Angeles . Minneapolis . New York . Phoenix . Sacramento . Seattle

My Quote

Cart Number: 204954  
Payment Method: Purchase Order

Date: 07/30/19 10:50 AM

Ship To

KGI Communications LLC  
Suite 8A  
KING GEORGE, VA 22485

Bill To

KGI Communications LLC  
Suite 8A  
KING GEORGE, VA 22485  
Customer #: 140354  
Phone: 540-709-7070  
E-mail: KGICOMMUNICATIONSLLC@GMAIL.COM

Customer #: 140354  
Phone: 540-709-7070

Shipping Method

Ship Via: BEST METHOD - GROUND  
Ship Complete:  
Comments:

Additional

Cart Type: Quote  
Release Number:  
Customer Job #:  
Required Date:  
PO Number:

Products

Product	Description	Quantity	Unit Meas	P/O Line	Suggested Retail Price	Extended
MTSPM-SU4-B	Universal Sliding Pipe Mount Kit for 4-1/2" OD Pipe, 8" Standoff	3	EA		305.16 244.13	732.39

Merchandise Total \$732.39

Estimated Freight TBD

Estimated Tax \$0.00

Total \$732.39

NOTE: All quotes are FOB origin unless otherwise specified. Delivery charges and sales tax shown are estimated. Your final costs may be higher or lower, based on shipment method(s) and delivery location(s). Quotations are valid for 30 days.

- 43.95 - 6% TAX  
 776.34 - sub+TL  
 10%  
 + 27.64 - ship  
 853.98 - TTL

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- Careers
- FAQ's
- Locations
- Return Policy
- Terms and Conditions
- Quality Policy
- Sitemap

- Resources
- Training
- Trade Shows
- Resource Library
- Verizon MMDD

- Contact Us
- Register
- Customer Satisfaction Survey

We accept the following forms of payment:



Double Radius

MP4  
Ww-7

MP-1

ALL

PROCEED TO CHECKOUT

AACreek-4

W = Widewater Landing  
M = Marlborough Pt.  
A = Aquia Creek Rd

# SHOPPING CART (53 PRODUCTS, 1924 ITEMS)

 Ubiquiti EdgePoint WISP switch, 16-port  
 (<https://www.doubleradius.com/Manufacturers/EdgePoint/Ubiquiti-EdgePoint-16-Port-Switch.html>)  
 \$513.55 ~~\$529.00~~  
 (https://www.doubleradius.com/Manufacturers/EdgePoint/Ubiquiti-EdgePoint-16-Port-Switch.html) SKU: #EP16P  
 Quantity: 2  
 Amount: \$1,027.10

M - 513.55  
A - 513.55

REMOVE

 Cambium 900 MHz 12 dBi gain directional antenna (Dual Slant)  
 ([https://www.doubleradius.com/Manufacturers/Antennas\\_18/Cambium-900-MHz-12-dBi-gain-directional-antenna-Dual-Slant.html](https://www.doubleradius.com/Manufacturers/Antennas_18/Cambium-900-MHz-12-dBi-gain-directional-antenna-Dual-Slant.html))  
 \$71.20 ~~\$89.00~~  
 (https://www.doubleradius.com/Manufacturers/Antennas\_18/Cambium-900-MHz-12-dBi-gain-directional-antenna-Dual-Slant.html) SKU: #AN09045D009A  
 Quantity: 84  
 Amount: \$5,980.80

A

REMOVE

 Cambium cnPilot™ R201P, US, 802.11ac dual band Gigabit WLAN Router with ATA and PoE (<https://www.doubleradius.com/Manufacturers/WiFi/cnPilot-R201P.html>)  
 \$120.00  
 (https://www.doubleradius.com/Manufacturers/WiFi/cnPilot-R201P.html) SKU: #C000600L030A  
 Quantity: 320  
 Amount: \$38,400.00

120 - M = 14,400.00  
151 - W = 18,120.00  
49 - A = 5,880.00

REMOVE

REMOVE

 Baicells Nova 233 Gen 2 eNodeB Base Station  
 (https://www.doubleradius.com/Manufacturers/nova/baicells-nova-233-gen-2-enodeb-outdoor-base-station.html)  
 \$3,999.00  
 (https://www.doubleradius.com/Manufacturers/nova/baicells-nova-233-gen-2-enodeb-outdoor-base-station.html) SKU: #NOVA-233-5.5GHz-1W-Gen2 (MBS1105)  
 Quantity: *m*  
 4  
 Amount: \$15,996.00

REMOVE

 Mikrotik Hot Swap -48V DC Telecom Power Supply  
 (https://www.doubleradius.com/Manufacturers/Mikrotik-Accessories/mikrotik-hot-swap-48v-dc-telecom-power-supply\_2.html)  
 \$100.00  
 (https://www.doubleradius.com/Manufacturers/Mikrotik-Accessories/mikrotik-hot-swap-48v-dc-telecom-power-supply\_2.html) SKU: #HW-48V-12V-150W  
 Quantity: *w*  
 8  
 Amount: \$800.00

REMOVE

 Ubiquiti UFiber WiFi (https://www.doubleradius.com/Manufacturers/ubiquiti-ufiber/ubiquiti-ufiber-wifi.html)  
 \$79.00  
 (https://www.doubleradius.com/Manufacturers/ubiquiti-ufiber/ubiquiti-ufiber-wifi.html) SKU: #UF-WiFi  
 Quantity: *w*  
 5  
 Amount: \$395.00  
 Please Call 866-891-3602 for Availability

REMOVE

 MikroTik Cloud Router Switch 16xSFP+  
 (https://www.doubleradius.com/Manufacturers/MikroTik-Cloud-Router-Switch-16xSFP.html)  
 \$399.00  
 (https://www.doubleradius.com/Manufacturers/MikroTik-Cloud-Router-Switch-16xSFP.html) SKU: #CRS317-16-16S+RM  
 Quantity: *↓*

mp-3

Switch-16xSFP.html)

4

Amount: \$1,596.00

REMOVE

2-W = 798.00

1-M = 399.00

1-A = 399.00

MikroTik Cloud Core Router CCR1072-1G-8S+  
(https://www.doubleradius.com/Manufacturers/Ethernet-Routers/Mikrotik-Cloud-Core-Router-CCR1072-1G-8S.html)

\$3,050.00

(https://www.doubleradius.com/Manufacturers/Ethernet-Routers/Mikrotik-Cloud-Core-Router-CCR1072-1G-8S.html)

Quantity:

2

Router-CCR1072-1G-8S.html)

Amount: \$6,100.00

REMOVE

1-W = 3,050.00

1-M = 3,050.00



Ubiquiti EdgePower, 54v, 150W  
(https://www.doubleradius.com/Manufacturers/ubiquiti-edgepower/ubiquiti-edgepower-54v-150w.html)

\$187.80 ~~\$195.00~~

(https://www.doubleradius.com/Manufacturers/ubiquiti-edgepower/ubiquiti-edgepower-54v-150w.html)

Quantity:

6

Amount: \$1,126.80

Please Call 866-891-3602 for Availability

REMOVE

2-W = 375.60

2-A = 375.60

2-M = 375.60



Ubiquiti U-Fiber GPON OLT, Class B+ SFP Module - US  
(https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/Ubiquiti-U-Fiber-GPON-OLT-Class-B-SFP-Module.html)

\$71.55 ~~\$79.00~~

(https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/Ubiquiti-U-Fiber-GPON-OLT-Class-B-SFP-Module.html)

Quantity:

33

Amount: \$2,361.15

REMOVE

W

mp-4



IgniteNet's LinqAssist Bluetooth Module  
(<https://www.doublerradius.com/Manufacturers/ignitenet-accessories/ignitenet-linqassist-bluetooth-module.html>)

\$6.00

(<https://www.doublerradius.com/Manufacturers/ignitenet-accessories/ignitenet-linqassist-bluetooth-module.html>)  
SKU: #ICC-LABT (Single Unit)  
Quantity:  
3

Amount: \$18.00

j-w = 6.00  
1 M = 6.00  
1 A = 6.00

REMOVE



IgniteNet MetroLinq Bracket, Standard  
(<https://www.doublerradius.com/Manufacturers/ignitenet-accessories/ignitenet-metrolinq-bracket-standard-icc-bracket-std.html>)

\$18.80 ~~\$21.00~~

(<https://www.doublerradius.com/Manufacturers/ignitenet-accessories/ignitenet-metrolinq-bracket-standard-icc-bracket-std.html>)  
SKU: #ICC-BRACKET-STD  
Quantity:  
36  
Amount: \$676.80

- w

REMOVE



IgniteNet MetroLinq Bracket, Long Range  
(<https://www.doublerradius.com/Manufacturers/ignitenet-accessories/ignitenet-metrolinq-bracket-long-range-icc-bracket-lr.html>)

\$61.62 ~~\$69.00~~

(<https://www.doublerradius.com/Manufacturers/ignitenet-accessories/ignitenet-metrolinq-bracket-long-range-icc-bracket-lr.html>)  
SKU: #ICC-BRACKET-LR  
Quantity:  
18  
Amount: \$1,109.16

10-w = 616.20  
7-A = 492.96

REMOVE



IgniteNet MetroLinq Alignment Scope  
(<https://www.doublerradius.com/Manufacturers/ignitenet-accessories/IgniteNet-Metrolinq-Alignment-Scope.html>)

\$96.34 ~~\$99.00~~

(<https://www.doublerradius.com/Manufacturers/ignitenet-accessories/IgniteNet-Metrolinq-Alignment-Scope.html>)  
SKU: #ICC-SCOPE-X50  
Quantity:  
2  
Amount: \$192.68

w



KP Performance 3.5 GHz to 4.2 GHz, + 4.9 GHz to 6.4 GHz, 8-Port Dual Band Sector Antenna (<https://www.doubleradius.com/Manufacturers/proline-antennas/kp-performance-3.5-ghz-to-4.2-ghz-4.9-ghz-to-6.4-ghz-8-port-dual-band-sector-antenna>)

(<https://www.doubleradius.com/Manufacturers/proline-antennas/kp-performance-3.5-ghz-to-4.2-ghz-4.9-ghz-to-6.4-ghz-8-port-dual-band-sector-antenna>)

SKU: #KPP-3S65-5S90-X8

Quantity:

4

Amount: \$2,599.96

M

REMOVE



Ubiquiti airFiber 11FX High Band Duplexer Accessory (<https://www.doubleradius.com/Manufacturers/airFiber/ubiquiti-airfiber-11fx-high-band-duplexer-accessory.html>)

(<https://www.doubleradius.com/Manufacturers/airFiber/ubiquiti-airfiber-11fx-high-band-duplexer-accessory.html>)

\$185.55 ~~\$199.00~~

SKU: #AF-11FX-DUP-H

Quantity:

4

Amount: \$742.20

2 W = 371.10

2 M = 371.10

REMOVE



Ubiquiti 11 GHz airFiber Dish, 35 dBi (<https://www.doubleradius.com/Manufacturers/airFiber-X-Antenna/ubiquiti-11-ghz-airfiber-dish-35-dbi-af-11g35.html>)

(<https://www.doubleradius.com/Manufacturers/airFiber-X-Antenna/ubiquiti-11-ghz-airfiber-dish-35-dbi-af-11g35.html>)

\$379.00

SKU: #AF-11g35

Quantity:

2

Amount: \$758.00

1 - M = 379.00

1 - W = 379.00

REMOVE



Shireen Outdoor CAT5e FTP Shielded 1000ft Spool (DC-1021) (<https://www.doubleradius.com/Manufacturers/Shireen/Shireen-Outdoor-CAT5e-FTP-Shielded-1000ft-Spool-DC-1021.html>)

(<https://www.doubleradius.com/Manufacturers/Shireen/Shireen-Outdoor-CAT5e-FTP-Shielded-1000ft-Spool-DC-1021.html>)

\$157.45 ~~\$255.00~~

SKU: #DC-1021 (Shireen CAT)

Quantity:

8 - M = 1,259.60  
8 - W = 1,259.60  
8 - K = 1,259.60  
8 - W = 1,259.60

MP-6

Shielded-  
1000ft-Spool-  
DC-1000 ( tml)

24

Amount: \$3,778.80

REMOVE

IgniteNet MetroLinQ 10G Tri-Band Omni Base Station  
(<https://www.doublerradius.com/Manufacturers/MetroLinQ/ignitenet-metrolinq-10g-tri-band-omni-base-station.html>)

\$699.00 ~~\$999.00~~

(<https://www.doublerradius.com/Manufacturers/MetroLinQ/ignitenet-metrolinq-10g-tri-band-omni-base-station.html>)  
Quantity:  
19

Amount: \$13,281.00

REMOVE

Ubiquiti airFiber 11FX  
(<https://www.doublerradius.com/Manufacturers/airFiber/ubiquiti-airfiber-11fx.html>)

\$600.00

(<https://www.doublerradius.com/Manufacturers/airFiber/ubiquiti-airfiber-11fx.html>)  
Quantity:  
2

Amount: \$1,200.00

REMOVE

KP Performance 4-Port Dual-Band OMNI Antenna, 11/12 dBi High Gain  
(<https://www.doublerradius.com/Manufacturers/dual-sector-antennas/kp-performance-4-port-dual-band-omni-antenna-11-12-dbi-high-gain.html>)

\$349.95

(<https://www.doublerradius.com/Manufacturers/dual-sector-antennas/kp-performance-4-port-dual-band-omni-antenna-11-12-dbi-high-gain.html>)  
Quantity:  
4

Amount: \$1,399.80

REMOVE

10-U = 6,990.00

8-A = 5,592.00

1-W = Landing Area = 699.00

1-M = 600.00

2-U = 600.00

2-M = 699.90

2-A = 699.90

MP-7

REMOVE

Ubiquiti FiberPOE, G2  
(<https://www.doubleradius.com/Manufacturers/PoE/ubiquiti-fiberpoe-g2.html>)

\$29.00

SKU: #F-POE-G2

(<https://www.doubleradius.com/Manufacturers/PoE/ubiquiti-fiberpoe-g2.html>)  
Quantity:

18

Amount: \$522.00

M

REMOVE



Cambium Power Supply, AC, 48V, 640W  
([https://www.doubleradius.com/Manufacturers/Accessories\\_34/cambium-power-supply-ac-48v-640w.html](https://www.doubleradius.com/Manufacturers/Accessories_34/cambium-power-supply-ac-48v-640w.html))

\$449.00

([https://www.doubleradius.com/Manufacturers/Accessories\\_34/cambium-power-supply-ac-48v-640w.html](https://www.doubleradius.com/Manufacturers/Accessories_34/cambium-power-supply-ac-48v-640w.html))  
SKU: #ND00000L101A  
Quantity:

6

Amount: \$2,694.00

2-W = 898.00

4-M = 1796.00

REMOVE

Cambium ePMP 3000 5 GHz Access Point Radio  
(<https://www.doubleradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-5-ghz-access-point-radio.html>)

\$799.00

(<https://www.doubleradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-5-ghz-access-point-radio.html>)  
SKU: #CD0000101A  
Quantity:

6

Amount: \$4,794.00

M

REMOVE

IgniteNet MetroLinq 60 LW Dualband Omni  
(<https://www.doubleradius.com/Manufacturers/MetroLinq/ignitenet-metrolinq-60-lw-dualband-omni.html>)

\$278.02 ~~\$299.00~~

(<https://www.doubleradius.com/Manufacturers/MetroLinq/ignitenet-metrolinq-60-lw-dualband-omni.html>)  
SKU: #ML60LWDOUS  
Quantity:

Quantity:

A

7

1

Amount: \$278.02

REMOVE

Ubiquiti UFiber PLC 8 Splitter

(<https://www.doublerradius.com/Manufacturers/UBNT-Cables/ubiquiti-ufiber-plc-8-splitter.html>)

\$13.00

(<https://www.doublerradius.com/Manufacturers/UBNT-Cables/ubiquiti-ufiber-plc-8-splitter.html>)

Quantity:

20

W

Amount: \$260.00

Please Call 866-891-3602 for Availability

REMOVE

Ubiquiti UFiber PLC 4 Splitter

(<https://www.doublerradius.com/Manufacturers/UBNT-Cables/ubiquiti-ufiber-plc-4-splitter.html>)

\$9.96 ~~\$10.00~~

(<https://www.doublerradius.com/Manufacturers/UBNT-Cables/ubiquiti-ufiber-plc-4-splitter.html>)

Quantity:

20

W

Amount: \$199.20

Please Call 866-891-3602 for Availability

REMOVE

Cambium ePMP™ Force 300-25 Radio

([https://www.doublerradius.com/Manufacturers/Force/cambium-epmp-force-300-25-radio\\_2.html](https://www.doublerradius.com/Manufacturers/Force/cambium-epmp-force-300-25-radio_2.html))

\$153.85 ~~\$169.00~~

([https://www.doublerradius.com/Manufacturers/Force/cambium-epmp-force-300-25-radio\\_2.html](https://www.doublerradius.com/Manufacturers/Force/cambium-epmp-force-300-25-radio_2.html))

Quantity:

264

Amount: \$40,616.40

120 -  
144 - WW = 22,154.40  
120 - mp = 18,462.00

REMOVE

MP9



Cambium Universal Mounting Bracket, Heavy Duty  
([https://www.doublerradius.com/Manufacturers/Accessories\\_34/Motorola-Universal-Mounting-Bracket-for-900-MHz-Connectorized-Units.html](https://www.doublerradius.com/Manufacturers/Accessories_34/Motorola-Universal-Mounting-Bracket-for-900-MHz-Connectorized-Units.html))

\$44.00 ~~\$55.00~~

([https://www.doublerradius.com/Manufacturers/Accessories\\_34/Motorola-Universal-Mounting-Bracket-for-900-MHz-Connectorized-Units.html](https://www.doublerradius.com/Manufacturers/Accessories_34/Motorola-Universal-Mounting-Bracket-for-900-MHz-Connectorized-Units.html))  
SKU: #N00090L001A  
Quantity: 336  
Amount: \$14,784.00

M = 5,280.00  
A = 3,696.00  
W = 5,808.00

REMOVE



Cambium CMM 30 VDC Power Supply  
([https://www.doublerradius.com/Manufacturers/Accessories\\_34/Cambium-Power-Supply-Single-Output-Switching-30V-240W-HLG-240H.html](https://www.doublerradius.com/Manufacturers/Accessories_34/Cambium-Power-Supply-Single-Output-Switching-30V-240W-HLG-240H.html))

\$160.00 ~~\$200.00~~

([https://www.doublerradius.com/Manufacturers/Accessories\\_34/Cambium-Power-Supply-Single-Output-Switching-30V-240W-HLG-240H.html](https://www.doublerradius.com/Manufacturers/Accessories_34/Cambium-Power-Supply-Single-Output-Switching-30V-240W-HLG-240H.html))  
SKU: #N00090L005A  
Quantity: 6  
Amount: \$960.00

A - 4 640.00  
MP-2 320.00

REMOVE



Cambium Canopy Surge Suppressor  
([https://www.doublerradius.com/Manufacturers/Accessories\\_34/cambium-canopy-surge-suppressor.html](https://www.doublerradius.com/Manufacturers/Accessories_34/cambium-canopy-surge-suppressor.html))

\$26.00 ~~\$30.00~~

([https://www.doublerradius.com/Manufacturers/Accessories\\_34/cambium-canopy-surge-suppressor.html](https://www.doublerradius.com/Manufacturers/Accessories_34/cambium-canopy-surge-suppressor.html))  
SKU: #N00090L005B  
Quantity: 105  
Amount: \$2,730.00

A

REMOVE



Cambium ePMP™ 1000 Spare Power Supply - Gigabit Ethernet  
([https://www.doublerradius.com/Manufacturers/Accessories\\_34/Cambium-ePMP-1000-Spare-Power-Supply-N000900L001A\\_2.html](https://www.doublerradius.com/Manufacturers/Accessories_34/Cambium-ePMP-1000-Spare-Power-Supply-N000900L001A_2.html))

\$15.00

([https://www.doublerradius.com/Manufacturers/Accessories\\_34/Cambium-ePMP-1000-Spare-Power-Supply-N000900L001A\\_2.html](https://www.doublerradius.com/Manufacturers/Accessories_34/Cambium-ePMP-1000-Spare-Power-Supply-N000900L001A_2.html))  
SKU: #N00090L001B  
Quantity: 84  
Amount: \$1,260.00

A

mp-10



Ubiquiti U Fiber, 8-port GPON OLT  
(<https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/ubiquiti-u-fiber-8-port-gpon-olt.html>)

\$1,799.00

(<https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/ubiquiti-u-fiber-8-port-gpon-olt.html>)  
SKU: #01011  
Quantity: 4

Amount: \$7,196.00

u

REMOVE

Cambium ePMP 3000 Sector Antenna  
([https://www.doubleradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-sector-antenna\\_2.html](https://www.doubleradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-sector-antenna_2.html))

\$399.00

([https://www.doubleradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-sector-antenna\\_2.html](https://www.doubleradius.com/Manufacturers/ePMP-3000/cambium-epmp-3000-sector-antenna_2.html))  
SKU: #00509100301A  
Quantity: 6

Amount: \$2,394.00

m

REMOVE



Cambium ePMP™ 2000 Smart Antenna  
(<https://www.doubleradius.com/Manufacturers/ePMP-2000/Cambium-ePMP-2000-Smart-Antenna.html>)

\$286.25 ~~\$379.00~~

(<https://www.doubleradius.com/Manufacturers/ePMP-2000/Cambium-ePMP-2000-Smart-Antenna.html>)  
SKU: #00509100301A  
Quantity: 6

Amount: \$1,717.50

m

REMOVE



Shireen Outdoor CAT6 FTP Shielded 1000ft Spool (DC-2021)  
(<https://www.doubleradius.com/Manufacturers/Shireen/Shireen-Outdoor-CAT6-FTP-Shielded-1000ft-Spool-DC-2021.html>)

\$184.38 ~~\$327.47~~

(<https://www.doubleradius.com/Manufacturers/Shireen/Shireen-Outdoor-CAT6-FTP-Shielded-1000ft-Spool-DC-2021.html>)  
SKU: #DC-2021 (Shireen CAT6)  
Quantity: 11

Amount: \$2,028.18

5 - u = 921.90  
5 - A 921.90  
1 - m 184.38

MP-11

REMOVE



KP Performance Yagi Antenna, 900MHz Dual Pol - 5 Pack  
(<https://www.doubleradius.com/Manufacturers/kp-performance-1/kp-performance-yagi-antenna-900mhz-dual-pol-5-pack.html>)

\$639.40

(<https://www.doubleradius.com/Manufacturers/kp-performance-1/kp-performance-yagi-antenna-900mhz-dual-pol-5-pack.html>)  
SKU: #KPA300P17  
Quantity:  
12  
Amount: \$7,672.80

4-A 2,552.60  
4-M 2,552.60  
4-W 2,552.60

REMOVE



Gamma Electronics RF Jumper Cable Kit, 4310M-48-SDL  
(<https://www.doubleradius.com/Manufacturers/gamma-electronics-store/gamma-electronics-rf-jumper-cable-kit-4310m-48-sdl.html>)

\$92.50

(<https://www.doubleradius.com/Manufacturers/gamma-electronics-store/gamma-electronics-rf-jumper-cable-kit-4310m-48-sdl.html>)  
SKU: #GPC431M-S-FLX-48JMP-48-SDL  
Quantity:  
6  
Amount: \$555.00

M

REMOVE



Gamma Electronics Tight Wrap Self Amalgamating Tape  
(<https://www.doubleradius.com/Manufacturers/gamma-electronics-store/gamma-electronics-tight-wrap-self-amalgamating-tape.html>)

\$11.90

(<https://www.doubleradius.com/Manufacturers/gamma-electronics-store/gamma-electronics-tight-wrap-self-amalgamating-tape.html>)  
SKU: #TSSA-1.5-1.75-15  
Quantity:  
20  
Amount: \$238.00

~~10-6 = 119.00~~  
5-M = 59.50  
5-A = 59.50

REMOVE



Cambium Coaxial Cable Installation Assembly Kits (WB3616H)  
([https://www.doublerradius.com/Manufacturers/Accessories\\_34/Coaxial-Cable-Installation-Assembly-Kits.html](https://www.doublerradius.com/Manufacturers/Accessories_34/Coaxial-Cable-Installation-Assembly-Kits.html))

\$200.00 ~~\$250.00~~

([https://www.doublerradius.com/Manufacturers/Accessories\\_34/Coaxial-Cable-Installation-Assembly-Kits.html](https://www.doublerradius.com/Manufacturers/Accessories_34/Coaxial-Cable-Installation-Assembly-Kits.html))  
SKU: #WB3616H  
Quantity:  
8

Amount: \$1,600.00

M

REMOVE

Cambium cnPulse Sync Generator  
([https://www.doublerradius.com/Manufacturers/Accessories\\_34/cambium-cnpulse-sync-generator.html](https://www.doublerradius.com/Manufacturers/Accessories_34/cambium-cnpulse-sync-generator.html))

\$206.22 ~~\$279.00~~

([https://www.doublerradius.com/Manufacturers/Accessories\\_34/cambium-cnpulse-sync-generator.html](https://www.doublerradius.com/Manufacturers/Accessories_34/cambium-cnpulse-sync-generator.html))  
SKU: #CD006600L568A  
Quantity:

2

Amount: \$412.44

M

REMOVE

Cambium CMM5 Power and Sync Injector 29V  
([https://www.doublerradius.com/Manufacturers/Accessories\\_34/cambium-cmm5-power-and-sync-injector-29v.html](https://www.doublerradius.com/Manufacturers/Accessories_34/cambium-cmm5-power-and-sync-injector-29v.html))

\$1,295.00

([https://www.doublerradius.com/Manufacturers/Accessories\\_34/cambium-cmm5-power-and-sync-injector-29v.html](https://www.doublerradius.com/Manufacturers/Accessories_34/cambium-cmm5-power-and-sync-injector-29v.html))  
SKU: #CD006600L529A  
Quantity:

2

Amount: \$2,590.00

M

REMOVE

Cambium CMM5 Controller  
([https://www.doublerradius.com/Manufacturers/Accessories\\_34/cambium-cmm5-controller-1.html](https://www.doublerradius.com/Manufacturers/Accessories_34/cambium-cmm5-controller-1.html))

\$995.00

([https://www.doublerradius.com/Manufacturers/Accessories\\_34/cambium-cmm5-controller-1.html](https://www.doublerradius.com/Manufacturers/Accessories_34/cambium-cmm5-controller-1.html))  
SKU: #CD006600L580B  
Quantity:

2

Amount: \$1,990.00

M

REMOVE



Cambium PTP 450 900 MHz Connectorized Module  
([https://www.doubleradius.com/Manufacturers/Accessories\\_34/Cambium-PTP-450-900-MHz-END-Connectorized.html](https://www.doubleradius.com/Manufacturers/Accessories_34/Cambium-PTP-450-900-MHz-END-Connectorized.html))

\$458.86 ~~\$625.00~~

([https://www.doubleradius.com/Manufacturers/Accessories\\_34/Cambium-PTP-450-900-MHz-END-Connectorized.html](https://www.doubleradius.com/Manufacturers/Accessories_34/Cambium-PTP-450-900-MHz-END-Connectorized.html))  
SKU: #C0090455001A  
Quantity: 84

A

Amount: \$38,544.24

REMOVE



Cambium 900 MHz PMP 450i Connectorized Access Point  
(<https://www.doubleradius.com/Manufacturers/PMP-450i/Cambium-900-MHz-PMP-450i-Connectorized-Access-Point.html>)

\$2,447.20 ~~\$3,059.00~~

(<https://www.doubleradius.com/Manufacturers/PMP-450i/Cambium-900-MHz-PMP-450i-Connectorized-Access-Point.html>)  
SKU: #C0090455001A  
Quantity: 6  
Amount: \$14,683.20

4 - M 9788.80  
2 - A 4,894.40

REMOVE

IgniteNet MetroLinq 60 LW  
(<https://www.doubleradius.com/Manufacturers/MetroLinq/ignitenet-metrolinq-60-lw.html>)

\$285.09 ~~\$299.00~~

(<https://www.doubleradius.com/Manufacturers/MetroLinq/ignitenet-metrolinq-60-lw.html>)  
SKU: #ML-60-LW-03  
Quantity: 250

W

Amount: \$71,272.50

REMOVE



Ubiquiti U Fiber, Multi-Mode Module, 10G, 2-Pack  
(<https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/ubiquiti-u-fiber-multi-mode-module-10g-2-pack.html>)

\$38.00

(<https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/ubiquiti-u-fiber-multi-mode-module-10g-2-pack.html>)  
SKU: #UP-MP-10G  
Quantity:

W

mp 14

u-fiber-multi-  
mode-module-  
10g-2-  
pack.html)

5

Amount: \$190.00

REMOVE



Ubiquiti U Fiber, Single-Mode Module, 10G, 2-Pack  
(<https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/Ubiquiti-u-fiber-single-mode-module-10g-2-pack.html>)

\$85.00

(<https://www.doubleradius.com/Manufacturers/ubiquiti-u-fiber/Ubiquiti-u-fiber-single-mode-module-10g-2-pack.html>)

SKU: #UP-SM-10G

Quantity:

40

Amount: \$3,400.00

Please Call 866-891-3602 for Availability

REMOVE

30 - u = 2,550.00  
10 - A = 850.00



MikroTik Encloser SFP+ 3m Direct Attach Cable  
(<https://www.doubleradius.com/Manufacturers/Interfaces/Mikrotik-SFP-direct-attach-cable-3m-SDA0003.html>)

\$36.99 ~~\$39.00~~

(<https://www.doubleradius.com/Manufacturers/Interfaces/Mikrotik-SFP-direct-attach-cable-3m-SDA0003.html>)

SKU: #SDA0003

Quantity:

3

Amount: \$110.97

REMOVE

w



MikroTik Ethernet Router CCR1016-12S-1S+  
(<https://www.doubleradius.com/Manufacturers/Ethernet-Routers/Mikrotik-Cloud-Core-Router-1016-12S-1S-CCR1016-12S-1S.html>)

\$683.45 ~~\$745.00~~

(<https://www.doubleradius.com/Manufacturers/Ethernet-Routers/Mikrotik-Cloud-Core-Router-1016-12S-1S-CCR1016-12S-1S.html>)

SKU: #CCR1016-12S-1S

Quantity:

1

Amount: \$683.45

REMOVE

u

MR 15

Ubiquiti ToughCable Connectors, 100 pieces - US Version  
(<https://www.doublerradius.com/Manufacturers/TOUGHCable/Ubiquiti-Tough-Cable-Connectors-100pc.html>)

\$48.00 ~~\$49.00~~

(<https://www.doublerradius.com/Manufacturers/TOUGHCable/Ubiquiti-Tough-Cable-Connectors-100pc.html>)  
SKU: #TC-001  
Quantity:  
2

Amount: \$96.00

W ~~PA~~ = 48.00  
A @ = 48.00  
P

REMOVE



Ubiquiti Power Cable  
(<https://www.doublerradius.com/Manufacturers/EdgePoint/ubiquiti-power-cable-12-awg.html>)

\$599.00

(<https://www.doublerradius.com/Manufacturers/EdgePoint/ubiquiti-power-cable-12-awg.html>)  
SKU: #PC-12  
Quantity:

1

Amount: \$599.00

MA

REMOVE



MikroTik S+RJ10 6-speed RJ-45 Module  
(<https://www.doublerradius.com/Manufacturers/Interfaces/mikrotik-srj10-6-speed-rj-45-module.html>)

\$65.00

(<https://www.doublerradius.com/Manufacturers/Interfaces/mikrotik-srj10-6-speed-rj-45-module.html>)  
SKU: #SRJ10  
Quantity:  
1

Amount: \$65.00

W

REMOVE

ORDER SUMMARY

Marlborough Point

91,439.42  
6% T + 5,486.37  
96,925.79  
10% Ship + 9,692.58  
106,618.37

Subtotal (1924 items)

Ship to: 22485  
Shipping

Grand Total for  
\$326,675.15 ALL 3  
before tax

\$14,005.55

MP

# Invoice

## Afterimage GIS LLC

QUOTE #201902115  
DATE: FEBRUARY 11, 2019

808 E. Cooper Rd, Muncie IN 47303  
Phone 765-744-1346  
paul.shanayda@afterimagegis.com

TO Michele Wido  
KGI Communications LLC  
4485 Danube Dr  
Suite 8A  
King George, VA 22485

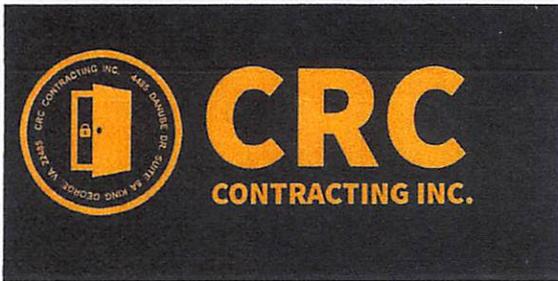
Office: 540-709-7070

P.O.NUMBER	JOB	SHIPPING METHOD	SHIPPING TERMS	DELIVERY DATE	PAYMENT TERMS	DUE DATE
					NET 15	

QTY	ITEM #	DESCRIPTION	UNIT PRICE	DISCOUNT	LINE TOTAL
1		Radio frequency analysis: Using elevation, clutter data and tree canopy (30m) RF design was performed for 1 site provided by KGI. RF was ran 3 times, for 3 different frequencies. In addition to the RF signals, maps of Comcast's 477 data was shown in relation to the area KGI plans to provide service. Deliverables included a series of maps showing results, and comparison to KGI's maps, and a written description to be utilized for defense of the service area.			\$550.00
TOTAL DISCOUNT					\$550.00

MP

# Contract



PO Box 997  
4485 Danube Dr, Ste 8A

Date	Estimate #
8/15/2019	713194

Project	P.O. No.
2700 Brooke Rd. Stafford	

Name / Address
Juan Marte KGI Communications, LLC 4485 Danube Dr. Suite 8A King George, VA 22485

Project Address
2700 Brooke Rd. Stafford, VA 22554

Description	Qty	Cost	Total
Provide and install 6' commercial grade chain link fence with security wire and one gate.	120	23.00	2,760.00

This price is valid for 30 days from date on estimate.

**Total**

\$2,760.00

A 30-Day Late Fee of 2% PER MONTH will be charged and accrued on All Invoices Past Due, unless otherwise agreed. CRC accepts all major credit cards. An additional 3% fee is added to all credit card payments.

Ph 301-782-4050; Fx 301-782-4050; DCJS#11-6672  
Email: CRCcontracting@gmail.com; www.crc-contracting.com

Customer Signature Acceptance \_\_\_\_\_

Date of Customer Acceptance \_\_\_\_\_

MP

# Estimate



**KGI Communications LLC**  
 4485 Danube Dr.  
 King George, VA 22485 US  
 540-709-7070  
 info@kgicomm.com

ADDRESS
Marlborough Point Project
King George Project
In-kind

ESTIMATE #	DATE
1006	08/15/2019

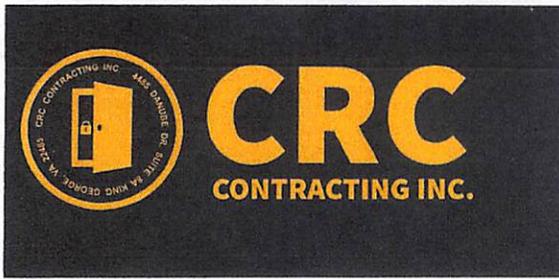
ACTIVITY	QTY	RATE	AMOUNT
<b>In-Kind</b> Residential Installation Discount (262 serviceable units)	262	211.00	55,282.00
<b>In-Kind</b> Mongeon 5 yrs FTTH (up to 100 Mbps) @ \$2,280/yr	1	11,400.00	11,400.00
<b>In-Kind</b> Mongeon Discount Lease (5yrs includes 3% yearly increase)	1	41,411.52	41,411.52
<b>In-Kind</b> Free set up and installation of fiber internet to Mongeon tower property owner's home	1	1,060.00	1,060.00

TOTAL **\$109,153.52**

Accepted By

Accepted Date

MP



# Contract

Date	Estimate #
8/15/2019	713193

PO Box 997  
4485 Danube Dr, Ste 8A

Project	P.O. No.
2700 Brooke Rd Stafford	In-kind

Name / Address
Juan Marte KGI Communications, LLC 4485 Danube Dr. Suite 8A King George, VA 22485

Project Address
2700 Brooke Rd. Stafford, VA 22554

Description	Qty	Cost	Total
Installation for 140' ROHN guyed communication tower. Excavate 4 footers. Provide and install rebar and galvanized anchor bolts. Form and pour concrete footer. Provide necessary equipment and materials for the erection of the tower. Price includes installation of telecommunication equipment, cabling, electrical, and all necessary hardware. Including planning, permitting, and scheduling of the power company.	1	30,000.00	30,000.00

This price is valid for 30 days from date on estimate.	<b>Total</b>	\$30,000.00
--	--------------	-------------

A 30-Day Late Fee of 2% PER MONTH will be charged and accrued on All Invoices Past Due, unless otherwise agreed. CRC accepts all major credit cards. An additional 3% fee is added to all credit card payments.

Ph 301-782-4050; Fx 301-782-4050; DCJS#11-6672  
Email: CRCcontracting@gmail.com; www.crc-contracting.com

Customer Signature Acceptance \_\_\_\_\_

Date of Customer Acceptance \_\_\_\_\_

(RETAIN FOR YOUR RECORDS)  
Form 477 Filing Summary

FRN: 0026848952 | Data as of: Dec 31, 2018 | Operations: Non-ILEC | Submission Status: Original - Submitted | Last Updated: Mar 7, 2019 12:39:17

### Filer Identification

Section	Question	Response
<b>Filer Information</b>	Provider Name	Complete Residential & Commercial Contracting Inc.
	Holding Company Name	KGI Communications LLC
	SAC ID	
	499 ID	
<b>Data Contact Information</b>	Data Contact Name	Juan Marte
	Data Contact Phone Number	(540) 709-7070 ext: 2
	Data Contact E-mail	juanm@kgicomm.com
<b>Emergency Operations Contact Information</b>	Emergency Operations Name	Juan Marte
	Emergency Operations Phone Number	(301) 323-5157
	Emergency Operations E-mail	juanm@kgicomm.com
<b>Certifying Official Contact Information</b>	Certifying Official Name	Juan Marte
	Certifying Official Phone Number	(540) 709-7070 ext: 2
	Certifying Official E-mail	juanm@kgicomm.com

### Data Submitted

Form Section	File Name	Date & Time	Number of Rows
Fixed Broadband Deployment	kgi_fixed_broadband_deployment-2.csv	Mar 7, 2019 12:23:22	22
Fixed Broadband Subscription	20190304_FBS_oharej_16_12_16.csv	Mar 7, 2019 12:26:39	6

### Fixed Broadband Deployment

#### Census Block Counts by State, DBA Name and Technology

State	DBA Name	Technology	Blocks
Virginia	KGI Communications	Terrestrial Fixed Wireless	22
<b>Total</b>			<b>22</b>

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

State	Technology	Census Tracts	Subscriptions		
			Consumer	Business / Govt	Total
Virginia	Terrestrial Fixed Wireless	6	39	0	39
<b>Total</b>		<b>6</b>	<b>39</b>	<b>0</b>	<b>39</b>

**Fixed Broadband Subscriptions by Bandwidths and End-user Type**

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
100.000	10.000	39	0	39
<b>Total</b>		<b>39</b>	<b>0</b>	<b>39</b>

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

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
Terrestrial Fixed Wireless	100.000	10.000	39	0	39
<b>Total</b>			<b>39</b>	<b>0</b>	<b>39</b>

**Fixed  
Broadband  
Subscription**

(RETAIN FOR YOUR RECORDS)  
Form 477 Filing Summary

FRN: 0026848952 | Data as of: Jun 30, 2019 | Operations: Non-ILEC | Submission Status: Revised - Submitted | Last Updated: Aug 28, 2019 07:50:18

### Filer Identification

Section	Question	Response
<b>Filer Information</b>	Company Name	Complete Residential & Commercial Contracting Inc.
	Holding Company Name	KGI Communications LLC
	SAC ID	
	499 ID	
<b>Data Contact Information</b>	Data Contact Name	Juan Marte
	Data Contact Phone Number	(301) 323-5157
	Data Contact E-mail	juanm@kgicomm.com
<b>Emergency Operations Contact Information</b>	Emergency Operations Name	Juan Marte
	Emergency Operations Phone Number	(301) 323-5157
	Emergency Operations E-mail	juanm@kgicomm.com
<b>Certifying Official Contact Information</b>	Certifying Official Name	Juan Marte
	Certifying Official Phone Number	(301) 323-5157
	Certifying Official E-mail	juanm@kgicomm.com

### Data Submitted

Form Section	File Name	Date & Time	Number of Rows
Fixed Broadband Deployment	20190827_FBD_deployment_oharej_13_14_38.csv	Aug 28, 2019 07:47:23	38
Fixed Broadband Subscription	20190828_FBS_sub_pawel_3_57_29.csv	Aug 28, 2019 07:48:38	7

### Fixed Broadband Deployment

#### Census Block Counts by State, DBA Name and Technology

State	DBA Name	Technology	Blocks
Virginia	KGI Communications	Terrestrial Fixed Wireless	38
<b>Total</b>			<b>38</b>

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

State	Technology	Census Tracts	Subscriptions		
			Consumer	Business / Govt	Total
Virginia	Terrestrial Fixed Wireless	7	81	0	81
<b>Total</b>		<b>7</b>	<b>81</b>	<b>0</b>	<b>81</b>

**Fixed Broadband Subscriptions by Bandwidths and End-user Type**

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
150.000	50.000	81	0	81
<b>Total</b>		<b>81</b>	<b>0</b>	<b>81</b>

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

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
Terrestrial Fixed Wireless	150.000	50.000	81	0	81
<b>Total</b>			<b>81</b>	<b>0</b>	<b>81</b>

**Fixed  
Broadband  
Subscription**

# Media Advisory

**PR/#44/19**

**FOR IMMEDIATE RELEASE**

**Date: July 26, 2019**

**Contact: Shannon Howell**

**Phone: (540) 658-4893**



## **NOTICE ON INTENTION TO APPLY FOR GRANT**

As required by the application process for the 2020 Virginia Telecommunication Initiative (VATI) grant, Stafford County officially announces its intention to partner with KGI Communications to apply for a grant to provide fixed wireless internet to unserved areas in Marlborough Point and Widewater. The Virginia Department of Community Development implements VATI and will be awarding \$19 million this year to eligible applicants. Proposals are to be submitted by September 3, 2019.

Stafford County sent out a Request for Expression of Interest earlier this year and KGI was the only respondent. Their proposal was for these two areas and for building a new tower in the Aquia area that would work with an existing tower KGI operates in King George County. The grant requires a “shovel-ready” process that can be completed within a year if the grant is received. The areas targeted by KGI have been identified as unserved during previous franchise negotiations with existing providers.

For more information on the process, contact [Michael Cannon](#), Stafford County Chief Technology Officer, (540) 658-8687.



## King George County, Virginia

### Request for (Competing) PPEA Proposal

Under the Public-Private Education Facilities and Infrastructure Act of 2002 and King George County PPEA Policy, adopted 11/13/2018

For:

### **Broadband Expansion**

Issue Date: 07-02-2019

**RFP# 07262019-1400**

### **NAME OF SOLICITING BODY:**

King George County Wireless Authority  
10459 Courthouse Drive, King George, Virginia 22485

**Conceptual** proposals - one (1) original and four (4) copies, in addition to one (1) electronic copy on a flash drive or similar device - shall be clearly identified as a response to this Request for PPEA Proposal, provided in a SEALED container (no electronic submissions accepted) and will be received until 2PM, 07/26/2019, **only at the underlined address noted**, for furnishing the services described herein.

### **ALL INQUIRIES, OR REQUESTS FOR ANY REASONABLE ACCOMMODATION FOR ANY TYPE OF DISABILITY TO PARTICIPATE IN THIS SOLICITATION, SHOULD BE DIRECTED TO:**

Lavita Cobb, Purchasing Manager  
EMAIL: [lcobb@co.kinggeorge.state.va.us](mailto:lcobb@co.kinggeorge.state.va.us) PHONE: 540-775-8568

### **SEALED, HARD-COPY PROPOSALS SHALL BE DELIVERED, OR MAILED, TO:**

King George County Wireless Authority  
Department of Finance, Attn: Lavita Cobb, Procurement Manager  
10459 Courthouse Dr. Ste. 201 King George, VA 22485

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## **I. PURPOSE**

This Public-Private Education Act (PPEA) Request for Proposal (RFP) by the County of King George, Virginia, herein after referred to as the “County” invites conceptual phase proposals from private firms or joint ventures to provide for expansion of broadband access and capacity into un-/under-served areas of the County. The RFP sets forth the terms and conditions whereby the County may enter into a comprehensive agreement with one (or more) successful Offeror(s) to provide the partnership services described herein or in a selected proposal.

The PPEA is the legislative framework enabling the Commonwealth of Virginia and local governments and other political subdivisions to enter into agreements authorizing private entities to design, construct, improve, maintain, and/or operate qualifying public construction or infrastructure projects. Private entities submitting a conceptual proposal are strongly encouraged to read and have a strong understanding of the Act.

The period of any resulting contract(s) from this PPEA-RFP will be as negotiated by the County and the selected PPEA partner(s).

## **II. SCOPE OF WORK AND REQUIREMENTS**

The County desires expansion of broadband access in unserved areas and improved capacity in underserved areas using a Public/Private Partnership providing quality broadband to its citizens. The County understands the economics of expanding broadband in rural areas and is preparing to take action to improve those economics as much as possible to entice private sector investment. The County is technology agnostic and understands the need to leverage all technologies to deliver broadband to every area and as such is open to forming partnerships with more than one provider, as well as incumbents. The selected private partner(s) is (are) to provide, but not limited, to the following services:

Seamless and reliable broadband access with defined performance, coverage area, and consumer pricing goals for the County.

- Provide seamless and reliable broadband access.
- Operate as an Internet Service Provider, ensuring last-mile solution options to enable these services.
- Research and prepare all necessary FCC related forms and submittals required to provide services.
- Procurement of any permits required for the distribution of Internet content or FCC licensing.

The County has worked with the Center for Innovative Technology (CIT) to identify potential broadband adoption barriers, current broadband demand, future capacity needs, local assets, and to review County ordinances and policies related to broadband deployment. The County is committed to taking action to improve the economics of deploying broadband and improving utilization of Internet access to ensure citizens have the ability to leverage connectivity to improve their lives and our community, while preparing the County for the future.

Following are summary findings of this work, the County's broadband goals and the associated actions the County is committed to take in support of the resulting public-private partnership(s). The priorities listed below are repeated in Appendix A as requirements to be address by Offerors.

## **PRIORITIES**

1. The County recognizes there is high demand for reliable access and capacity for business service. Expanding business access and capacity is the County's top priority.

### **Business**

- **42% find their current business internet service unacceptable - "connection [speed] too slow" cited as primary reason**
- **37% rely on inadequate connection types (cellular, satellite, and some DSL)**
- **18% of residential respondents report operating a home-based business.**
- **10% of business respondents have NO internet service – "Internet service not available" cited as primary reason**

2. The County recognizes there is high demand for reliable access and capacity for residential service. Expanding access and capacity to unserved and underserved residential areas is a top priority for the County.

### **Residential**

- **38% find their current residential internet service unacceptable – "connection [speed] too slow" cited as primary reason**
- **26% rely on inadequate connection types (cellular, satellite, and some DSL)**
- **43% use the Internet to complete school assignments or course work**
  - i. **13% of K-12 households do NOT have Internet at home**
- **46% report using home Internet for college courses or online training**
  - i. **20% more would, IF they had better connectivity**
- **46% report teleworking**
  - i. **20% more would telework IF they had better connectivity**
- **12% of residential respondents have NO internet service – "Internet service not available" cited as primary reason**

These areas in King George County have the most pressing broadband needs:

<b>Areas of Demand</b>	
Attopin Lookout Rd.	The Meadows at Dahlgren
Cozy Ct.	Hugger Tract
North and south of Sandy Beach Ln.	Part of Eagles Nest
Pebble Beach Ln.	Part of Chatterton - more specifically areas bounded by East of Eagles Nest Ln. and White Fox Ln.
Machodoc Creek Ln.	Area east of Fletchers Chapel Rd. to Stafford county line, north to railroad
Little Ferry Rd.	North of intersection of Farley Vale Dr. and Kings HWY, east of CSX Rail to Fletchers Chapel Rd.
Boland Dr.	Area east of Bloomsbury Rd., that includes part of Wray Williams Estate, part of Lagrange, part of White Hall
Granview Rd.	Area bounded by north of Salem Church Rd., east of Welcome Rd., south of Jersey Rd., east of James Madison Parkway
Stacy Ln.	Mattox Dr.
Panorama Dr.	East and west of Prim Rd. at the intersection of Big Timber Rd.
Harryberry Ln.	Deep Cove Landing
Island View Ln.	Green Hill Ln.
Serenity Ln.	Piney Green Dr.
Erin Ct.	Castle Ct.
Bluff Way	Landtall Ln.
Skyline Ln.	Stoney Point Rd.

Hopyard Farm subdivision	Spy Hill Rd.
Walnut Dr.	Areas north of Dahlgren Rd., along Monte Vista Dr., Wineberry Ln.
Laforce Ln.	North & south of Caledon Rd., east of Eagles Nest Ln.
Myrtle Ln.	Potomac landing subdivision
Dakota Dr.	Presidential Lakes subdivision, sec 14 and 1A
Linden Dr.	Cleydael subdivision
Redbud Ln.	Culpeper Commons subdivision
Dogwood Ln.	Peppermill Estates
Passapatanzy Dr.	Chatham Village subdivision
Sedgewick Ct.	Bayberry Estates
Belvedere Dr.	Ferry Dock Crossing subdivision
East & west of Windsor Dr., north of Machodoc Creek Ln.	KG on the Potomac subdivision
East of Pumpkin Neck Rd.	East & west of Millbank Rd. in the Woodland Way area
Areas east of Cleve, north & south of Berry Plans Landing	

3. The County recognizes that bandwidth available to the library system is insufficient. The national recommendation for libraries serving communities with a population of under 50,000 is 100 Mbps. Increasing capacity to the Lewis Egerton Smoot Memorial Library to meet national standards is a priority for the County.
4. The County recognizes that fire and rescue stations need additional broadband access and capacity. Improving broadband access and capacity at fire and rescue stations is a priority for the County.
5. The County recognizes that government facilities need additional broadband access and capacity. Improving broadband access and capacity at all government facilities is a priority for the County.

## COUNTY COMMITMENTS

**The County is willing to provide access to County-owned vertical assets and other incentives, as listed below, *on a funding contingent basis.***

1. The County is aware that streamlining administrative processes can speed up deployment. The County is willing to:
  - a. **Provide a single-point-of-contact** for broadband infrastructure construction by the selected private partner(s).
    - i. County Administration Department is the single-point-of-contact (County Administrator, Dr. Neiman Young).
  - b. **Waive, reduce, or defer local fees for permitting and construction** of any broadband infrastructure by the private partner(s).
    - i. The County seeks to provide flexibility in providing reviews, in an effort to streamline any broadband infrastructure construction/deployment.
  - c. **Assist with public education and/or public relations** leveraging County media relationships, and/or social media.
2. The County understands the importance of lower deployment costs. The County is willing to:
  - a. Offer County owned assets and property, when applicable.
    - i. The County has identified five county owned communication towers, and five public water towers.
  - b. Leverage ongoing or pending capital projects to **take advantage of “Dig Once” opportunities** that can reduce broadband infrastructure deployment costs.
  - c. **Consider assisting with deployment costs, funding contingent.**
    - i. King George County can provide funding to help offset the cost of a detailed network design from the selected internet service provider partner, based on the condition that an initial draft of detailed network design is submitted no later than 8/16/19 and a final draft of detailed network design is submitted no later than 8/23/19.
  - d. **Partner to pursue any federal or state broadband funding opportunities** to help offset the costs of broadband access and capacity expansion projects.
3. Promote library computer classes for populations that may be slow to adopt technology, or need special equipment.
4. Consider a computer refurb/donation program for households with affordability challenges.
5. The County is prepared to leverage relationships with the owners of assets not owned, operated or controlled by the County to expedite/facilitate deployments.
6. With the exception of E911 shelters, the County will consider sharing space on or in (certain) County owned property for tower construction, location of points of presence, networking equipment etc.

7. The County **does not** want to participate in revenue sharing or deploying, maintaining and/or operating any private partner(s) network components.
8. The County is willing to consider using the following facilities as anchor institutions to any private partner(s), *dependent on current contractual status*. The service provided to County facilities **must** be equal or better than current pricing and provide the required bandwidth to support County functions.

<b>Community Anchor Institutions</b>		
<b>Entity/Department</b>	<b>Address</b>	<b>Need</b>
<u>Administration Building</u>	<u>10459 Courthouse Dr.</u>	<u>Needs more bandwidth</u>
<u>Service Authority</u>	<u>9207 Kings Hwy.</u>	<u>Needs more bandwidth</u>
<u>Parks and Recreation</u>	<u>8076 Kings Hwy.</u>	<u>Needs more bandwidth</u>
<u>Sheriff's Office</u>	<u>10445 Govt Ctr Blvd.</u>	<u>Needs more bandwidth</u>
<u>Animal Control</u>	<u>10445 Govt Ctr Blvd.</u>	<u>Needs more bandwidth</u>
FRES Company 1	8122 King Hwy.	Needs more bandwidth
FRES Company 2	16147 Dahlgren Rd.	Needs more bandwidth
FRES Company 3	6060 River View Dr.	Needs more bandwidth

This solicitation is a two-step process consisting of a conceptual phase and a detailed phase. Only those private entities whose conceptual proposals are selected for further consideration will be invited to submit detailed proposals.

Offerors submitting a conceptual phase proposal will be required to produce a detailed broadband network design and deployment project plan for the detailed phase of the PPEA solicitation **only** if their conceptual proposal has sufficient merit to proceed for further consideration. However, Offerors may wish to include maps or drawings as desired in their initial submission.

The County may request, in writing, clarification to the submission and/or discontinue its evaluation of any proposal at any time during the conceptual or detailed design phase. Proposals must include a legible, easy to understand estimated schedule and cost to develop the detailed design for any proposed project and a justification for why the project will successfully attain the County's broadband goals.

The selected Offeror(s) from this conceptual phase shall provide the below listed services related to the design, deployment, operation and maintenance of the proposed broadband expansion in their design proposals if requested:

- Prepare a detailed broadband network design to expand broadband access and capacity within the County.
- Provide construction cost estimates and funding needed from the County or other sources in addition to the private investment.
- Meet with the County to review the design and estimated costs to determine available funding and a phased approach.
- Develop final design and engineering drawings to support the deployment.

- Prepare a phased deployment project plan in collaboration with the County to meet County broadband goals.
- Work with the County to pursue state and federal funding opportunities to offset the costs of the deployment(s).

### III. INSTRUCTIONS TO OFFERORS

A. This procurement shall be conducted in accordance with the King George County Purchasing Policy Implementing Public-Private Education Facilities and Infrastructure Act of 2002, Public-Private Transportation Act of 1995, and King George County PPEA Policy.

B. Questions related to the RFP shall be directed to:  
 Lavita Cobb, Purchasing Manager  
 EMAIL: [lcobb@co.kinggeorge.state.va.us](mailto:lcobb@co.kinggeorge.state.va.us)

Questions or requests for clarification must be made in writing. All responses to inquiries will be in writing in the form of a written Addendum and will be posted on the King George County website at <https://www.kinggeorgecountyva.gov/>. **Questions from Offerors must be received at the King George Broadband Authority by noon on 07/12/2019** in order to ensure that the answers can be sent and received by the prospective Offerors for their consideration prior to the date proposals are due.

C. **Offerors shall submit shall submit four (4) copies and one (1) original indicated as “Original” of Proposals, in addition to one (1) electronic copy on a flash drive or similar device** to:

King George County Broadband Authority  
 Attn: Lavita Cobb, Procurement Manager  
 10459 Courthouse Dr. Ste. 201 King George, VA 22485

D. All Proposals must be in a sealed envelope or box and clearly marked with the following information: "PPEA-RFP #07262019-1400 CONCEPTUAL PHASE BROADBAND EXPANSION" and company name and address. Proposals not so marked or sealed may be returned to the Offeror and will not be considered. Proposals shall clearly indicate the legal name, address and telephone number of the Offeror (company, firm, partnership, or individual). Proposals shall be signed above the typed or printed name and title of the individual signing on behalf of the Offeror.

All expenses incurred for submitting Proposals to King George County shall be borne by the Offeror. **All Proposals shall be received by 2PM on 07/26/2019.** Any Proposal received after this time and date will not be considered. The time of receipt shall be determined by Lavita Cobb, Procurement Manager.

The Offeror has the sole responsibility to have the proposal received by the King George County Broadband Authority at the above address and by the above stated time and date. **Please note that Federal Express and other overnight delivery services do not guarantee morning delivery to King George, VA. Next day delivery usually arrives in**

**mid-to-late afternoon. Also, please note that USPS deliveries require additional days from the post office to the King George County Broadband Authority.** If you will be using one of these services for delivery of your proposal, please take this information into consideration. It is the Offerors responsibility to ensure that the package is delivered to the King George County Broadband Authority by the due date and time.

**Late proposals shall not be considered.** Proposals will be returned to the Offeror unopened if received by special carrier or not accepted if hand delivered by Offeror.

**Inclement Weather:** In the event that the King George County Broadband Authority is closed during the scheduled times for a pre-proposal conference or proposals due date the pre-proposal conference and/or proposal due date will occur on the next business day that the King George County Broadband Authority is open at the appropriate times as stated in the RFP. *No exceptions will be made in this situation.* Please contact the Procurement contact as stated in the RFP for information pertaining to this procurement.

E. Offerors are responsible for familiarizing themselves with the conditions and objectives of the items/services described herein.

F. As a *guideline* the County *anticipates* the following tentative timetable for selection of a private partner(s).

DATE	ACTIVITY
07/02/2019	PPEA Conceptual RFP Issued
07/12/2019	Deadline for Questions is noon
07/26/2019	Proposals due by 2PM
07/29/2019	Evaluation of Conceptual Proposals
08/01/2019	Short-list Offerors' Interviews
Beginning of August	Signed Interim/Preliminary Agreement(s)
August 2019	Initial draft of detailed design and project plans due
08/23/2019	Detailed Designs and Project Plans Due
September 2019	Signed Comprehensive Agreement

## **IV. PROPOSAL PREPARATION AND SUBMISSION REQUIREMENTS**

A. **Conceptual** PPEA proposals shall conform in all respects to the requirements stated in the King George County PPEA Policy Implementing the Public-Private Education Facilities and Infrastructure Act of 2002 and Public-Private Transportation Act of 1995. The County will

review the conceptual proposals and if it determines there is merit in continuing the process, will select certain proposals for further consideration in the detailed phase.

B. **Conceptual proposal** shall contain a CONCISE summary of the subject items described in the proposal evaluation criteria contained in RFP Section V.

C. Submitted proposals should also contain the following:

1. Table of Contents – number all pages of the proposal.
2. Introduction - Cover Letter/Executive Summary on company letterhead, signed by a person with the corporate authority to enter into any contract which results from the RFP.
3. Attach a copy of your State Corporation Commission Certificate and a list of officers.
4. Complete the Trade Secrets/Proprietary Information Form in Section VIII.
5. The Offeror must provide the company's history and expertise in providing design and deployment of broadband expansion project(s) and related project management services in other jurisdictions in the Commonwealth of Virginia, and other states and with similar scope of work.
6. The Offeror must provide a list of references of other governmental organizations who have successfully utilized the Offerors services in designing and deploying a similar project. The references must include telephone numbers and names of contact person. The County also reserves the right to contact undisclosed references in the course of this evaluation.
7. The Offeror must provide the qualifications and experience of key personnel to be assigned to this broadband initiative including the project manage and team members, and the Offeror's commitment to provide identified personnel for the duration of the design and deployment.
8. The Offeror must provide financial information that indicates the firm's resources and ability to provide the services requested for the duration of any resulting contract.
9. Conflict of Interest: Offerors shall identify any persons known to them who would be obligated to disqualify themselves from participation on any transaction arising from or in connection to this project, pursuant to The Virginia State and Local Government Conflict of Interest Act, Chapter 31 (§ 2.2-3100 et seq.) of Title 2.2.

D. Special Requirements:

1. Describe conceptually how your firm can leverage the County's assets and your capabilities to meet County broadband goals.

2. Describe how your conceptual design will result in a broadband network capable of delivering adequate and affordable Internet service at the lowest possible cost while also being flexible to expand capacity continually to meet future demand.
3. Describe broadband deployments your firm has successfully completed that are similar to the conceptual design your firm proposes.
4. Provide the total number of customers your firm currently provides Internet service to in the state of Virginia. If possible, please provide the total residential, business, and government customers.
5. Provide a sample of your firm's typical or average Internet service plans and pricing.
6. Provide an estimated cost project breakdown to the County for the development of a detailed broadband network design to meet the County's goals should your firm be selected to enter into an interim/preliminary contract as a result of this RFP. Include an estimated timeframe to complete the detailed network design, cost estimate for implementation of the final design, and associated phase deployment project plan.
7. Any assumptions regarding ownership and operation of the proposed broadband network project must be clearly identified.
8. Any assumptions regarding short or long-term maintenance must be clearly identified.
9. Marketing of the proposal intent, or content, is strictly prohibited except by the County.

## **V. PROPOSAL EVALUATION CRITERIA**

The County will use the following evaluation factors in its review and evaluation of the proposals PPEA Conceptual Broadband Proposals:

- A. Experience and expertise of the Offeror in providing design and deployment of broadband expansion project(s) and related project management services to other jurisdictions in the Commonwealth of Virginia, and other states and with similar scope of work; 20 points
- B. Qualifications and experience of the Offeror's key personnel to be assigned to the broadband project including project manager and project teams, and overall qualifications and experience of the Offeror and any subcontractors to be used. Also, the Offeror's commitment to provide identified personnel for the duration of the contract; 20 points
- C. Offeror's performance record and demonstrated ability to work with a governmental organization to provide the requested services, provide quality Internet services, meet schedules, and manage a successful broadband deployment in a timely and efficient manner; 15 points.
- D. Quality of the content of the proposal and responsiveness to the PPEA-RFP including the requested "Special Requirements" of proposal submission, Section IV, Paragraph D of this RFP; 15 points.
- E. The sufficiency of financial resources and ability of the Offeror to perform the contract or provide the services for the duration of any resulting contract; 15 points.

F. Pricing and timing estimate for development of a detailed broadband network design and associated phased deployment project plan; 10 points

G. Offeror's typical or average Internet service plans and pricing; 5 points

The County reserves the right to negotiate and enter into a comprehensive agreement with any firm suited to provide the requested PPEA Broadband project and may engage one or more firms (utilizing different broadband technologies and targeting different geographical areas) for this work.

*The County reserves the right to reject any or all proposals.*

## **VI. PPEA PROPOSAL SELECTION PROCESS**

Selection Process:

A. Proposals will be evaluated as follows:

1. First step of the evaluation process will consist of scheduled submission of a **conceptual** proposal, or proposals, for evaluation.
2. Conceptual evaluation process will consist of evaluation of proposals by the County using the Criteria noted in Section V.
3. Those private entities whose conceptual proposals are selected for further consideration will to be notified to schedule an in-person presentation and discussion.
4. Selected entities will be notified to complete a(n) interim/preliminary agreement with the County prior to moving to the detailed design phase.

## **VII. TERMS AND CONDITIONS**

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### **A. ACCEPTANCE, INVOICING AND PAYMENT**

King George County will make payment to the Offeror, net 30 days or in accordance with discount terms, if offered, after receipt of an acceptable invoice for design work under a interim/preliminary or comprehensive agreement resulting from this RFP.

Nothing herein, or in the process, shall be construed as having obligated the County to pay for any expenses incurred by respondents to this RFP, or to the selected firm prior to the Board of Supervisors' approval of an interim/preliminary or comprehensive contract.

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## B. ATTORNEY'S FEES

In the event of any action brought by either party against the other to enforce any of the obligations hereunder or arising out of any dispute concerning the terms and conditions hereby created, each party shall pay their own attorney's fees, costs and expenses, except in a case of default by the Offeror, the Offeror shall be responsible for any resulting additional purchase and administrative costs including, but not limited to fees and charges of engineers, architects, attorneys, and other professionals and all court or other dispute resolution costs.

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## C. AVAILABILITY OF FUNDS

It is understood and agreed between the parties herein that the County shall be bound hereunder only to the extent of the funds available or which may hereafter become available for the purpose of this initiative.

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## D. CONTRACT AWARD

King George County has the right to award a contract to more than one Offeror, if it is in the County's best interest to provide adequate services in accordance with the criteria found in the Scope of Services. Should King George County determine in writing and in its sole discretion that only one Offeror is fully qualified, or that one Offeror is clearly more highly qualified and suitable than the others under consideration, a contract may be negotiated and awarded to that Offeror. King George County reserves the right to award the contract to the most qualified, responsible, and responsive Offeror(s), resulting in a negotiated agreement, which is most advantageous to and in the best interest of King George County. King George County shall be the sole judge of the Proposal and the resulting negotiated agreement that is in the public interest, and King George County's decision shall be final.

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## E. CONTRACT PERFORMANCE TERMS

Any contract resulting from this RFP shall have a term limit of three (3) years and may be renewable for three (3) additional one (1) year terms at the option of King George County. This contract may be extended during the term of the existing contract for services allowed to complete any work undertaken but not completed during the original term of the contract.

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## F. DEFINITIONS

1. COUNTY: Wherever the word "County" appears, it shall be understood to mean King George County Government.

2. OFFEROR: A person or firm who makes an offer in response to a Request for Proposals.
3. CONTRACTOR: A person or firm who enters into a contract with King George County to provide the services described herein.

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## G. TERMINATION

King George County shall have the right to terminate at King George County's convenience, with or without cause, any Contract resulting from this RFP by specifying the date of termination in a written notice. In this event, the Contractor shall be entitled to just and equitable compensation for any satisfactory work completed. All work produced, and data collected shall become the property of King George County.

## VIII. TRADE SECRETS/PROPRIETARY INFORMATION IDENTIFICATION

**IF NO PROTECTION IS NEEDED STATE "N/A" ON THE TABLE BELOW AND SIGN**

Trade secrets or proprietary information submitted by any Bidder/Offeror in connection with a procurement transaction shall not be subject to public disclosure under the Virginia Freedom of Information Act, however, the Bidder/Offeror must invoke the protection of §2.2-4342(F) of the Code of Virginia, in writing, prior to or upon submission of the data or other materials, and must clearly and specifically identify the data or other materials to be protected, and state the reasons why protection is necessary. **The proprietary or trade secret material submitted must be identified by the Bidder/Offeror on the table below. If the Bidder/Offeror fails to identify any protected information on the table below, the Bidder/Offeror by return of this form, hereby releases the County and all of its employees from any and all claims, damages, demands or liabilities associated with the County's release of such information, and agrees to indemnify it for all costs, expenses and attorney's fees incurred by the County as a result of any claims made by Bidder/Offeror regarding the release of such information. By submitting its bid or proposal, Bidder/Offeror understands and agrees that any language seeking protection from public disclosure, any specific documents or information, unless identified on the table below, are null and void and of no legal or binding effect on the County.** The classification of line item prices, and/or total bid prices as proprietary or trade secrets is not acceptable. If, after being given reasonable time, the Bidder/Offeror refuses to withdraw such a classification designation, the bid/proposal will be rejected.

SECTION / TITLE	PAGE NUMBER(S)	REASON(S) FOR WITHHOLDING FROM DISCLOSURE

**COMPANY NAME:** \_\_\_\_\_

**SIGNATURE** \_\_\_\_\_

## **A. APPENDIX A: KING GEORGE COUNTY BROADBAND REQUIREMENTS AND COMMITMENTS:**

The County is committed to expanding broadband access and capacity. The County understands the economics that are necessary to ensure broadband expansion is sustainable, efficient, and cost effective for all parties. The County knows that local challenges and opportunities exist and is prepared to address these as follows:

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### **KING GEORGE COUNTY BROADBAND GOALS IN PRIORITY ORDER**

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1. The County recognizes there is high demand for reliable access and capacity for business service. Expanding business access and capacity is the County’s top priority.

**Business**

- **42% find their current business internet service unacceptable - “connection [speed] too slow” cited as primary reason**
- **37% rely on inadequate connection types (cellular, satellite, and some DSL)**
- **18% of residential respondents report operating a home-based business.**
- **10% of business respondents have NO internet service – “Internet service not available” cited as primary reason**

2. The County recognizes there is high demand for reliable access and capacity for residential service. Expanding access and capacity to unserved and underserved residential areas is a top priority for the County.

**Residential**

- **38% find their current residential internet service unacceptable – “connection [speed] too slow” cited as primary reason**
- **26% rely on inadequate connection types (cellular, satellite, and some DSL)**

- **43% use the Internet to complete school assignments or course work**
  - i. **13% of K-12 households do NOT have Internet at home**
- **46% report using home Internet for college courses or online training**
  - i. **20% more would, IF they had better connectivity**
- **46% report teleworking**
  - i. **20% more would telework IF they had better connectivity**
- **12% of residential respondents have NO internet service – “Internet service not available” cited as primary reason**

These areas in King George County have the most pressing broadband needs:

<b>Areas of Demand</b>	
Attopin Lookout Rd.	The Meadows at Dahlgren
Cozy Ct.	Hugger Tract
North and south of Sandy Beach Ln.	Part of Eagles Nest
Pebble Beach Ln.	Part of Chatterton - more specifically areas bounded by East of Eagles Nest Ln. and White Fox Ln.
Machodoc Creek Ln.	Area east of Fletchers Chapel Rd. to Stafford county line, north to railroad
Little Ferry Rd.	North of intersection of Farley Vale Dr. and Kings HWY, east of CSX Rail to Fletchers Chapel Rd.
Boland Dr.	Area east of Bloomsbury Rd., that includes part of Wray Williams Estate, part of Lagrange, part of White Hall
Granview Rd.	Area bounded by north of Salem Church Rd., east of Welcome Rd., south of Jersey Rd., east of James Madison Parkway
Stacy Ln.	Mattox Dr.
Panorama Dr.	East and west of Prim Rd. at the intersection of Big Timber Rd.
Harryberry Ln.	Deep Cove Landing
Island View Ln.	Green Hill Ln.

Serenity Ln.	Piney Green Dr.
Erin Ct.	Castle Ct.
Bluff Way	Landtall Ln.
Skyline Ln.	Stoney Point Rd.
Hopyard Farm subdivision	Spy Hill Rd.
Walnut Dr.	Areas north of Dahlgren Rd., along Monte Vista Dr., Wineberry Ln.
Laforce Ln.	North & south of Caledon Rd., east of Eagles Nest Ln.
Myrtle Ln.	Potomac landing subdivision
Dakota Dr.	Presidential Lakes subdivision, sec 14 and 1A
Linden Dr.	Cleydael subdivision
Redbud Ln.	Culpeper Commons subdivision
Dogwood Ln.	Peppermill Estates
Passapatanzy Dr.	Chatham Village subdivision
Sedgewick Ct.	Bayberry Estates
Belvedere Dr.	Ferry Dock Crossing subdivision
East & west of Windsor Dr., north of Machodoc Creek Ln.	KG on the Potomac subdivision
East of Pumpkin Neck Rd.	East & west of Millbank Rd. in the Woodland Way area
Areas east of Cleve, north & south of Berry Plans Landing	

3. The County recognizes that bandwidth available to the library system is insufficient. The national recommendation for libraries serving communities with a population of under 50,000 is 100 Mbps. Increasing capacity to the Lewis Egerton Smoot Memorial Library to meet national standards is a priority for the County.
4. The County recognizes that fire and rescue stations need additional broadband access and capacity. Improving broadband access and capacity at fire and rescue stations is a priority for the County.

5. The County recognizes that government facilities need additional broadband access and capacity. Improving broadband access and capacity at all government facilities is a priority for the County.

## COUNTY COMMITMENTS TO PUBLIC-PRIVATE PARTNERSHIP(S) TO EXPAND BROADBAND ACCESS AND CAPACITY

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**The County is willing to provide access to County-owned vertical assets and other incentives, as listed below, *on a funding contingent basis.***

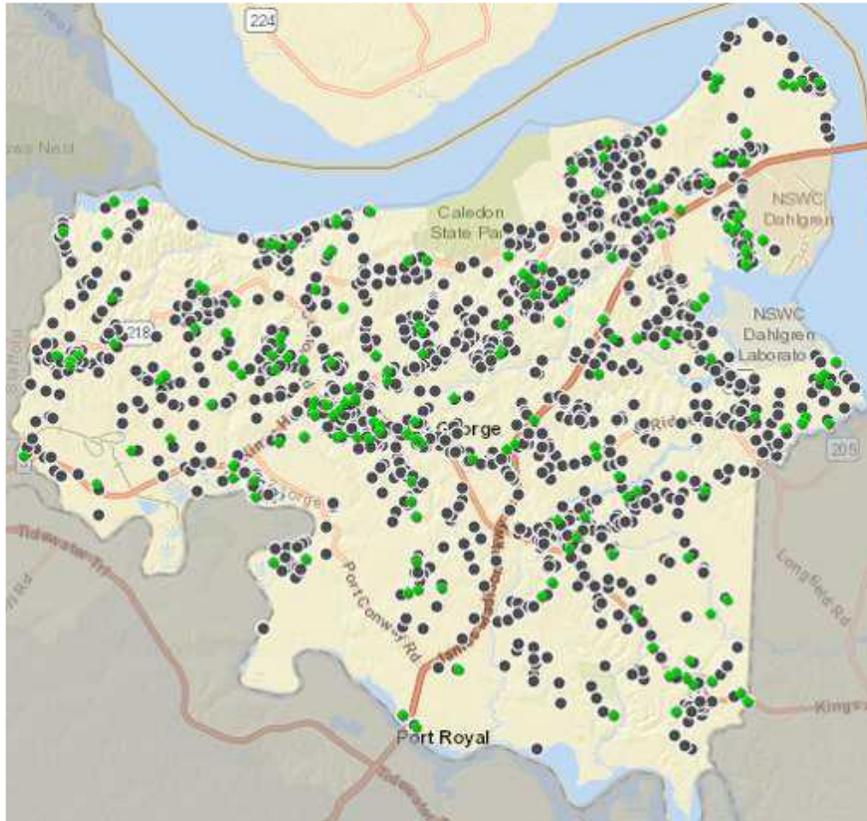
9. The County is aware that streamlining administrative processes can speed up deployment. The County is willing to:
  - a. **Provide a single-point-of-contact** for broadband infrastructure construction by the selected private partner(s).
    - i. County Administration Department is the single-point-of-contact (County Administrator, Dr. Neiman Young).
  - b. **Waive, reduce, or defer local fees for permitting and construction** of any broadband infrastructure by the private partner(s).
    - i. The County seeks to provide flexibility in providing reviews, in an effort to streamline any broadband infrastructure construction/deployment.
  - c. **Assist with public education and/or public relations** leveraging County media relationships, and/or social media.
10. The County understands the importance of lower deployment costs. The County is willing to:
  - a. Offer County owned assets and property, when applicable.
    - i. The County has identified five county owned communication towers, and five public water towers.
  - b. Leverage ongoing or pending capital projects to **take advantage of “Dig Once” opportunities** that can reduce broadband infrastructure deployment costs.
  - c. **Consider assisting with deployment costs, funding contingent.**
    - i. King George County can provide funding to help offset the cost of a detailed network design from the selected internet service provider partner, based on the condition that an initial draft of detailed network design is submitted no later than 08/16/2019 and a final draft of detailed network design is submitted no later than 08/23/2019.
  - d. **Partner to pursue any federal or state broadband funding opportunities** to help offset the costs of broadband access and capacity expansion projects.
11. Promote library computer classes for populations that may be slow to adopt technology, or need special equipment.
12. Consider a computer refurb/donation program for households with affordability challenges.
13. The County is prepared to leverage relationships with the owners of assets not owned, operated or controlled by the County to expedite/facilitate deployments.
14. With the exception of E911 shelters, the County will consider sharing space on or in (certain) County owned property for tower construction, location of points of presence, networking equipment etc.

15. The County **does not** want to participate in revenue sharing or deploying, maintaining and/or operating any private partner(s) network components.
16. The County is willing to consider using the following facilities as anchor institutions to any private partner(s), *dependent on current contractual status*. The service provided to County facilities **must** be equal or better than current pricing and provide the required bandwidth to support County functions.

Community Anchor Institutions		
Entity/Department	Address	Need
<u>Administration Building</u>	<u>10459 Courthouse Dr.</u>	<u>Needs more bandwidth</u>
<u>Service Authority</u>	<u>9207 Kings Hwy.</u>	<u>Needs more bandwidth</u>
<u>Parks and Recreation</u>	<u>8076 Kings Hwy.</u>	<u>Needs more bandwidth</u>
<u>Sheriff's Office</u>	<u>10445 Govt Ctr Blvd.</u>	<u>Needs more bandwidth</u>
<u>Animal Control</u>	<u>10445 Govt Ctr Blvd.</u>	<u>Needs more bandwidth</u>
FRES Company 1	8122 King Hwy.	<u>Needs more bandwidth</u>
FRES Company 2	16147 Dahlgren Rd.	<u>Needs more bandwidth</u>
FRES Company 3	6060 River View Dr.	<u>Needs more bandwidth</u>

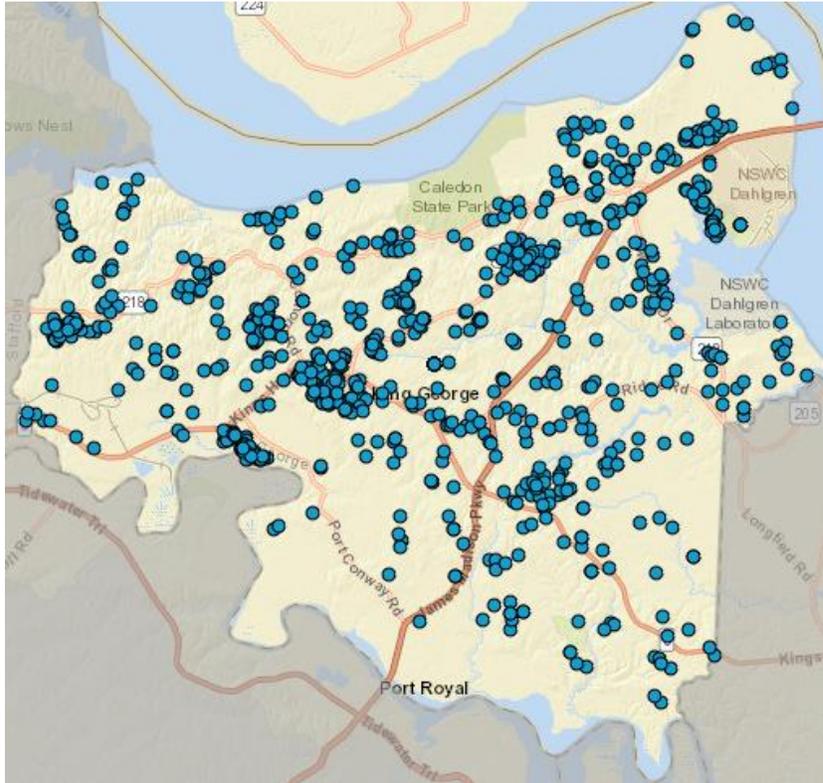
## BROADBAND DEMAND DATA

The King George County Broadband Needs Assessment Survey generated **2,058 total unique responses (residential 1,820; business 238)**, for a **24% response rate**. That provides a confidence interval of 99% +/- 2% based on occupied households (8,669). This confidence measure implies that there is **between 97% - 100% certainty that these results are representative across the county**.



*Blue = Residential; Green = Business*

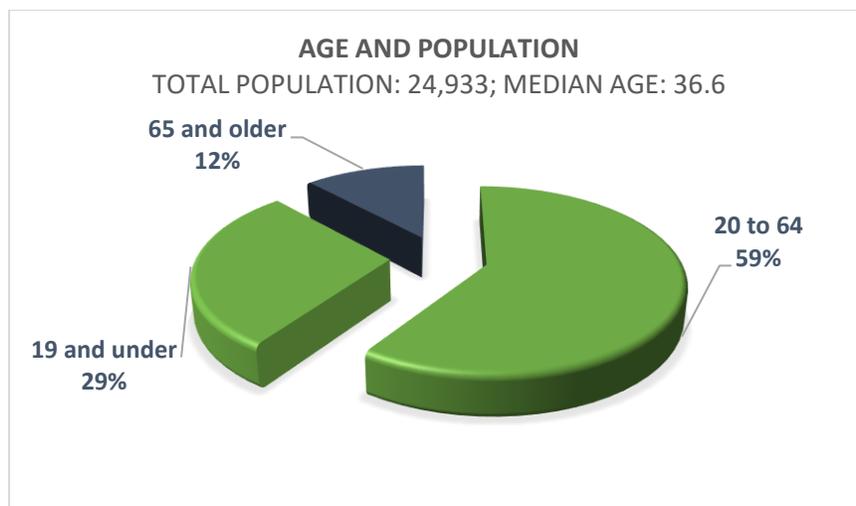
1. **K-12 Households** are dispersed throughout the County and need broadband access to complete assigned homework and projects. 43% of reported residential households have K-12 students.



Source: King George County Broadband Needs Assessment Survey

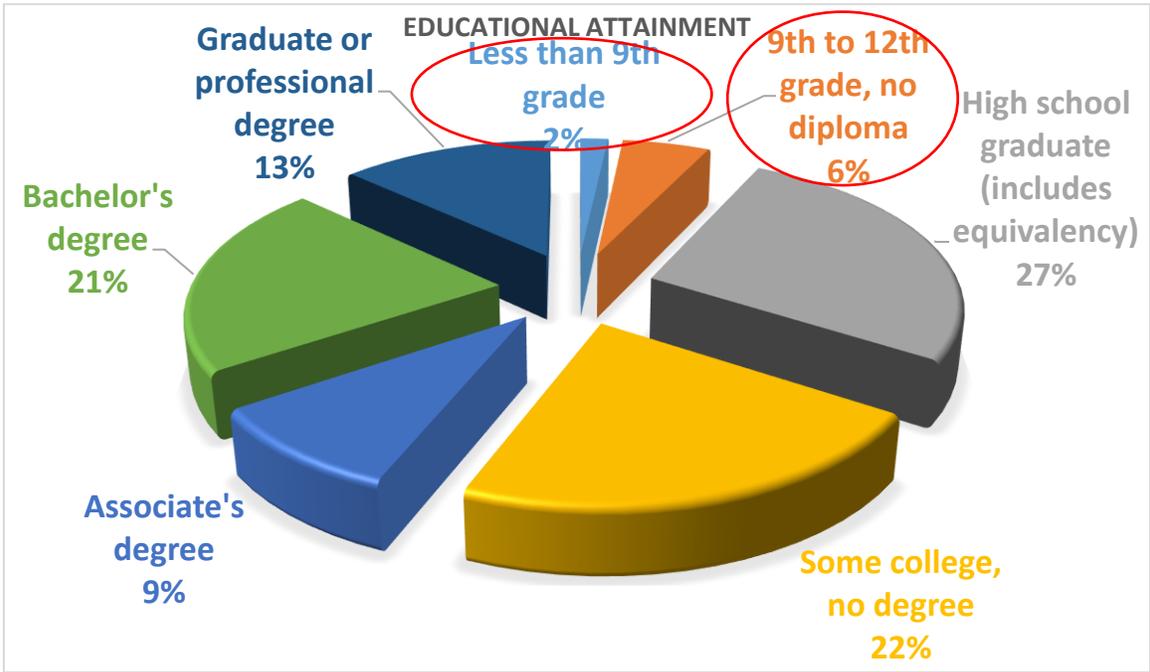
## COMMUNITY PROFILE INFORMATION

1. **Age and Population.** Approximately 88% of the county's population demographics are considered eager and willing to adopt technology.



Source: U.S. Census Bureau

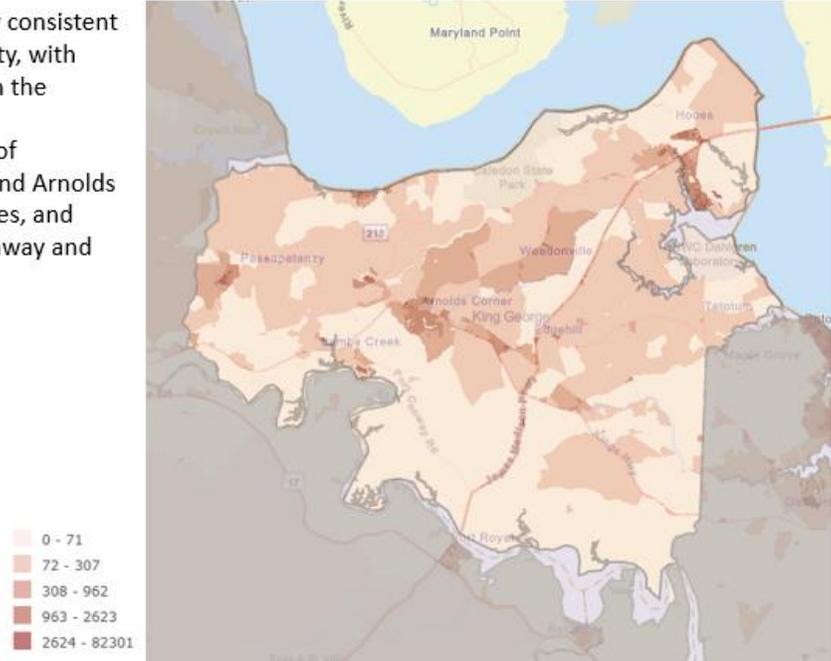
2. **Educational Attainment and Adoption.** Based on educational attainment, approximately 92% of the county's population are considered eager and willing to adopt technology.



Source: U.S. Census Bureau

**3. Population Density.**

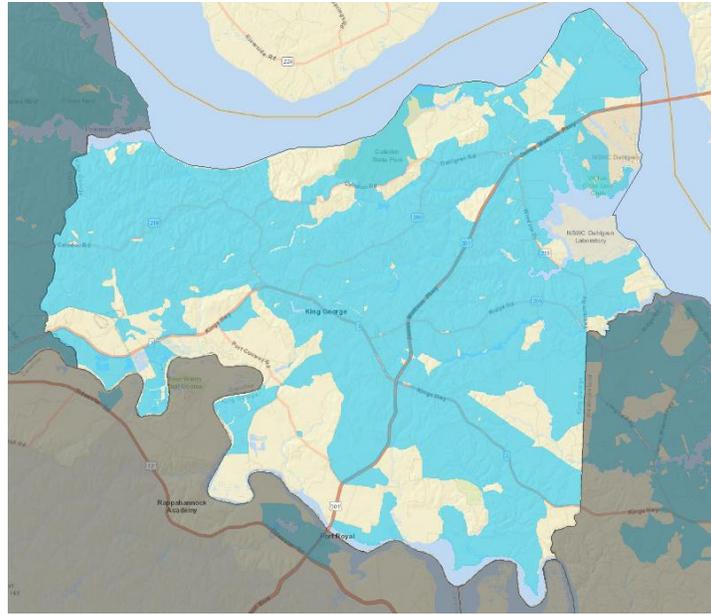
Population fairly consistent across the locality, with higher density in the northern areas. Concentrations of population around Arnolds Corner and Hoes, and along Kings Highway and Route 301.



Source: U.S. Census Bureau



### 3. Cable Coverage



### 4. Fiber Service (Not Fiber Routes)



## 5. FirstNet

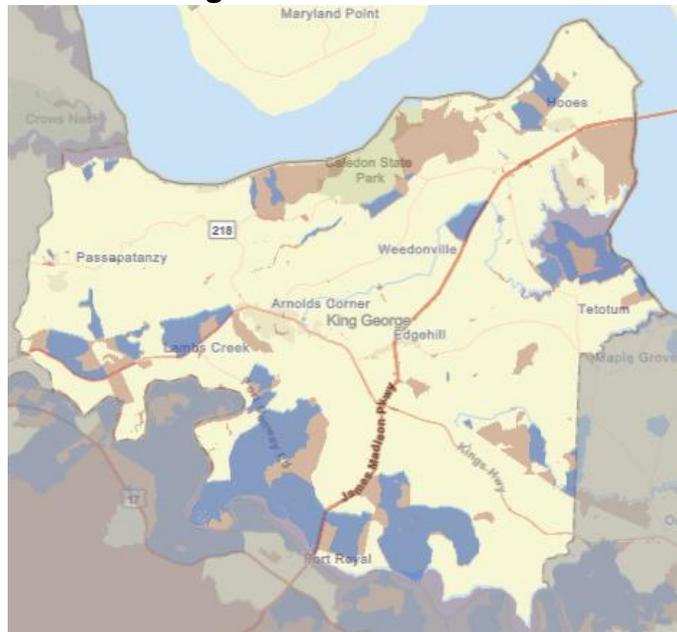
FirstNet\* 1x1 mile grids.

- Proposed terrestrial coverage
- Proposed non-terrestrial coverage

\*VDEM coordinating FirstNet activities



## 6. Unserved and CAFII Auction Eligible Areas



King George Unserved and CAFII

Unserved areas

CAFII Eligible areas

## **B. APPENDIX B: GENERAL TERMS AND CONDITIONS FOR PUBLIC SECTOR CONTRACTING**

The terms and conditions that follow are those that are required in most every public sector contract for goods and services. Offerors may take exception to these terms but must provide clear, alternate language for them, in any exceptions taken, for County consideration.

- (1) **RIGHT TO WORK:** This contract and all other contracts and subcontracts are subject to the provisions of Articles 3 and 5, Chapter 4, Title 40.1, Code of Virginia, relating to the labor unions and the "right to work." The Contractor and its Subcontractors, whether residents or nonresidents of the Commonwealth, who perform any work related to the project shall comply with all of the said provisions.
- (2) **IMMIGRATION REFORM AND CONTROL ACT OF 1986:** By signing this Contract, the Contractor certifies that it does not, and will not during the performance of this contract, violate the provisions of the Federal Immigration Reform and Control Act of 1986, which prohibits employment of illegal aliens.
- (3) **NONDISCRIMINATION:** The following requirements of Section 2.2-4311 of the Code of Virginia shall be applicable:
  - (a) During the Performance of this Contract, the Contractor agrees as follows:
    - (i) The Contractor will not discriminate against any employee or applicant for employment because of race, religion, color, handicap, sex or national origin, except where religion, sex or national origin is a bonafide occupational qualification reasonably necessary to the normal operation of the Contractor. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
    - (ii) The Contractor, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, will state that such Contractor is an equal opportunity employer.
    - (iii) Notices, advertisements and solicitations placed in accordance with federal law, rule or regulation shall be deemed sufficient for the purpose of meeting the requirements of this Section.
  - (b).The Contractor will include the provisions of (I), (ii) and (iii) in every subcontract or purchase order over \$10,000, so that the provisions will be binding upon each subcontractor or vendor.
- (4) **PROHIBITION OF ALCOHOL AND OTHER DRUGS AT JOB SITE:**
  - (a) §2.2-4312 of the Code of Virginia shall be applicable. It provides as follows:

"During the performance of this contract, the Contractor agrees to (i) provide a drug-free workplace for the Contractor's employees; (ii) post in conspicuous places, available to employees and applicants for employment, a statement notifying employees that the unlawful manufacture, sale, distribution, dispensation, possession, or use of a controlled substance or marijuana is prohibited in the Contractor's workplace and specifying the actions that will be taken against employees for violations of such prohibition; (iii) state in all solicitations or advertisements for employees placed by or on behalf of the Contractor that the Contractor maintains a drug-free workplace; and (iv) include the provisions of the foregoing clauses in every subcontract or purchase order of over \$10,000, so that the provisions will be binding upon each subcontractor or vendor. For the purposes of this section, "drug-free workplace" means a site for the performance of work done in connection with a specific contract awarded to a Contractor in accordance with this chapter, the employees of whom are prohibited from engaging in the unlawful manufacture, sale, distribution, dispensation,

possession or use of any controlled substance or marijuana during the performance of the contract.”

(b) The Contractor shall also establish, maintain and enforce policies which prohibit the following acts by all Contractor, Subcontractor and Supplier personnel at the Site:

- (1) the manufacture, distribution, dispensation, possession, or use of alcohol, marijuana or other drugs, except possession and medically prescribed use of prescription drugs; and
- (2) the impairment of judgment or physical abilities due to the use of alcohol, marijuana or other drugs, including impairment from prescription drugs.

(5) **SEX OFFENDER REGISTRY NOTIFICATION:** The Contractor shall not employ on school property any employee who is a registered sex offender and shall enforce the same restriction upon all sub-contractors and agents of Contractor. Prior to starting work and quarterly during performance of the work, the Contractor shall check the Virginia State Police Sex Offender Registry to verify sex offender status of all employees and agents of Contractor and Sub-Contractors who are employed on school property by the Contractor or Sub-Contractor.

The Contractor shall furnish the Owner with evidence verifying compliance with the services.

Prior to starting work on-site, the Contractor shall submit a completed King George County/King George County Public Schools “CERTIFICATION OF NO CRIMES AGAINST CHILDREN” form, a copy of which will be provided prior to award.

(6) **VIRGINIA STATE CORPORATION COMMISSION:** If required by law, the Contractor shall maintain a valid certificate of authority or registration to transact business in Virginia with the Virginia State Corporation Commission as required by Section 13.1 or Title 50 of the Code of Virginia, during the term of the Contract or any Contract renewal. The Contractor shall not allow its existence to lapse or its certificate of authority or registration to transact business in the Commonwealth to be revoked or cancelled at any time during the terms of the contract. If the Contractor fails to remain in compliance with the provisions of this section, the contract may become void.

(7) **ETHICS IN PUBLIC CONTRACTING:** The provisions contained in Sections 2.2-4367 through 2.2-4377 of the Virginia Public Procurement Act as set forth in the 1950 Code of Virginia, as amended, shall be applicable to all contracts solicited or entered into by the Owner. By submitting their proposals, all Offerors certify that their proposals are made without collusion or fraud and that they have not offered or received any kickbacks or inducements from any other Offeror, supplier, manufacturer or subcontractor in connection with their proposal, and that they have not conferred on any public employee having official responsibility for this procurement transaction any payment, loan, subscription, advance, deposit of money, services or anything of more than nominal value, present or promised, unless consideration of substantially equal or greater value was exchanged.

(8) **NO CONTACT POLICY:** No Offeror shall initiate or otherwise have contact related to the solicitation with any Owner representative or employee, other than the Procurement Division, after the date and time established for receipt of proposals. Any contact initiated by a Offeror with any Owner representative, other than the Procurement Division, concerning this solicitation is prohibited and may cause the disqualification of the Offeror from this procurement process.

(9) **APPLICABLE LAW AND COURTS:** Any contract resulting from this solicitation shall be governed in any respects by the laws of Virginia, and any litigation with respect thereto shall be brought in the Circuit Court of King George County, Virginia. The Contractor shall comply with applicable federal, state and local laws and regulations.

(10) INDEMNIFICATION: Contractor shall indemnify, keep and save harmless the Owner, its agents, officials, employees and volunteers against claims of injuries, death, damage to property, patent claims, suits, liabilities, judgments, cost and expenses which may otherwise accrue against the Owner in consequence of the granting of a contract or which may otherwise result therefrom, if it shall be determined that the act was caused through negligence or error, or omission of the Contractor or his or her employees, or that of the subcontractor or his or her employees, if any; and the Contractor shall, at his or her own expense, appear, defend and pay all charges of attorneys and all costs and other expenses arising therefrom or incurred in connection therewith; and if any judgment shall be rendered against the Owner in any such action, the Contractor shall, at his or her own expenses, satisfy and discharge the same. Contractor expressly understands and agrees that any performance bond or insurance protection required by this contract, or otherwise provided by the Contractor, shall in no way limit the responsibility to indemnify, keep and save harmless and defend the Owner as herein provided.

(11) AUDIT: The Contractor hereby agrees to retain all books, records and other documents relative to this contract for five years after final payment, or until audited by the Owner, whichever is sooner. The agency, its authorized agents, and/or Owner auditors shall have full access to and right to examine any of said materials during said period.

(12) USE OF PREMISES AND REMOVAL OF DEBRIS:

a. The Contractor shall:

- (1) Perform his contract in such a manner as not to interrupt or interfere with the operation of any existing activity on the premises or with the work of any contractor;
- (2) Store his apparatus, materials, supplies, and equipment in such orderly fashion at the site of the work as will not unduly interfere with the progress of his work or the work of any other contractor; and
- (3) Place upon the work or any part thereof only such loads as are consistent with the safety of that portion of the work.

b. The contractor expressly undertakes, either directly or through his subcontractor(s), to effect all cutting, filling, or patching of his work required to make the same conform to the drawings and specifications, and, except with the consent of the owner, not to cut or otherwise alter the work of any other contractor. The contractor shall not damage or endanger any portion of the work or premises, including existing improvements, unless called for by the contract.

c. The contractor expressly undertakes, either directly or through his subcontractor(s), to clean up frequently all refuse, rubbish, scrap materials, and debris caused by his operations, to the end that at all times the site of the work shall present a neat, orderly, and workmanlike appearance. No such refuse, rubbish, scrap material, and debris shall be left within the completed work nor buried on the building site, but shall be removed from the site and properly disposed of in a licensed landfill or otherwise as required by law.

d. The contractor expressly undertakes, either directly or through his subcontractor(s), before final payment, to remove all surplus material, false work, temporary structures, including foundations thereof, plants of any description and debris of every nature resulting from his operations and to put the site in a neat, orderly condition; to thoroughly clean and leave reasonably dust free all finished surfaces including all equipment, piping, etc., on the interior of all buildings included in the contract; and to thoroughly clean all glass installed under the contract including the removal of all paint and mortar splatters and other defacements. If a contractor fails to clean up at the completion of the work, the owner may do so and charge for costs thereof to the contractor.

e. During and at completion of the work, the contractor shall prevent site soil erosion, the runoff of silt and/or debris carrying water from the site, and the blowing of debris off the site in accordance

with the applicable requirements and standards of the Virginia Erosion and Sediment Control Handbook, latest edition, and of the contract documents.

- f. The contractor shall not operate or disturb the setting of any valves, switches or electrical equipment on the service lines to the building except by proper previous arrangement with the owner. The contractor shall give ample advance notice of the need for cut-offs which will be scheduled at the convenience of the owner.

(13) **PROTECTION OF PERSON AND PROPERTY:** The Contractor expressly undertakes, both directly and through its subcontractor(s), to take every precaution at all times for the protection of persons and property which may come on the building site or be affected by the contractor's operation in connection with the work.

- a. The Contractor shall be solely responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the work.
- b. The provisions of all rules and regulations governing safety as adopted by the Safety Codes Commission of the Commonwealth of Virginia, issued by the Department of Labor and Industry under Title 40.1 of the Code of Virginia shall apply to all work under this contract.
- c. The Contractor shall continuously maintain adequate protection of all his work from damage and shall protect the owner's property from injury or loss arising in connection with this contract. He shall make good any such damage, injury, or loss, except such as may be directly due to errors in the contract documents or caused by agents or employees of the owner. He shall adequately protect adjacent property to prevent any damage to it or loss of use and enjoyment by its owners. He shall provide and maintain all passageways, guard fences, lights and other facilities for the protection required by public authority, local conditions, any of the contract documents or erected for the fulfillment of his obligations for the protection of person and property.
- d. In an emergency affecting the safety or life of persons or of the work, or of the adjoining property, the contractor, without special instruction or authorization from the Owner, shall act, at his discretion, to prevent such threatened loss or injury. Also, should he, to prevent threatened loss or injury, be instructed or authorized to act by the Owner, he shall so act immediately, without appeal. Any additional compensation or extension of time claimed by the Contractor on account of any emergency work shall be determined as provided in the Comprehensive Agreement.

(14) **WORK SITE DAMAGES:** Any damage, including damage to finished surfaces, resulting from the performance of this contract shall be repaired to Owner satisfaction at the Contractor's expense.

**C. APPENDIX C: REQUIRED DOCUMENTS - OFFEROR'S CERTIFICATION**

After first being placed under oath, I hereby certify that I have authority to submit this proposal on behalf of the Offeror whose name appears above, that I am a principal of the Offeror, that the Offeror hereby acknowledges the provisions, terms and conditions of this RFP - including all attachments and addenda - and agrees to be bound by those provisions, terms and conditions. The Offeror furthermore agrees to be bound by all of the terms and conditions in the King George County PPEA Policy, as amended. I acknowledge that the Offeror is authorized to transact business in Virginia, and neither the Offeror nor any member of its team or their principals is currently suspended or debarred from public contracting by any federal, state, or local government entity. I have taken reasonable steps to ascertain the accuracy of all the information contained in this proposal and this certification, and that the information in this proposal and certification is accurate to the best of my knowledge or information and belief.

Name and Address of Offeror:

\_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_\_ By: \_\_\_\_\_  
(Signature in Ink by Officer of the Corporation)

\_\_\_\_\_ Name: \_\_\_\_\_  
(Please Print)

\_\_\_\_\_ Zip Code: \_\_\_\_\_ Title: \_\_\_\_\_

Phone: (\_\_\_\_) \_\_\_\_\_ Fax: (\_\_\_\_) \_\_\_\_\_

E-mail: \_\_\_\_\_ State of Incorporation: \_\_\_\_\_

State Corporation Commission # \_\_\_\_\_

\_\_\_\_\_  
Offeror's or Offeror's Contractor's Virginia Class A General Contractor's License Number

\_\_\_\_\_  
Offeror's or Offeror's Architects and Engineers Virginia Registration Numbers:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed/Typed Name

Title (Principal of Offeror)

Commonwealth of Virginia :

: to wit

County/City of \_\_\_\_\_ :

On \_\_\_\_\_, (same name as above) appeared before me, and after satisfying me of his/her identity and after being placed under oath, swore to the truthfulness of the above statement.

\_\_\_\_\_

Notary Public

My commission expires: \_\_\_\_\_

(If applicable) the Offeror acknowledges receipt of the following addenda:

Addendum No.: \_\_\_\_\_ Dated: \_\_\_\_\_

**(Return this Form)**

## Stafford County – KGI Communications VATI Grant story

- I. With a 2018 population of 149,110, Stafford is now the 3rd fastest growing county in the Commonwealth of Virginia, with populations over 25,000. Stafford is located between the major commuting centers of Washington, D.C. and Richmond, Virginia. Stafford's population growth is projected to grow by 58,000 by 2040. There are 42,964 jobs located within the County. The largest employers include Geico (over 4,000 employees), Department of Defense (over 2,000 employees), and the FBI (over 1,500 employees). Marine Corps Base Quantico lies in part of Stafford County. Stafford's median age is 35 with lots of families with school age children living throughout the County.

Stafford consists of 277 square miles. The County's boundaries consist of the Potomac River, which makes up the eastern border, the Rappahannock River, which makes up the western border, and Prince William County to the north and King George County to the south. The County has two stops on the Virginia Railway Express system and is bisected by I-95 and the Express Lanes and U.S. Route 1.

And yet, there are rural sections of Stafford County – in areas of Hartwood, Widewater (which contains Widewater State Park) and Marlborough Point/Brooke that are unserved with broadband. This inequity impacts Stafford's businesses, tourism and real estate sales adversely. The lack of internet limits Stafford's schoolchildren in a myriad ways. Online learning, enrichment and scholarship opportunities are just a few of the things for which Stafford's schoolchildren use the internet. Expansion of high-speed internet access would greatly help the unserved portion of the more than 37,723 people who commute out of Stafford County every day. Many of these commuters are federal employees and government contractors who could telework at home. In fact, the stretch of Interstate 95 in Stafford County was named the worst traffic hotspot in America by a study produced by INRIX Roadway Analytics in 2017.

Stafford has gathered multiple letters of support from various constituent (residents, elected officials, the state park and its administration, the schools, the Stafford County Economic Development Authority) groups in this area. Their words can better convey the impact of the lack of broadband on their daily existence. As well, more than ? people have signed petitions from each of the potential areas to be served by KGI.

Stafford's Economic Development Authority (EDA) feels so strongly that broadband is needed in these areas that the group voted to provide \$50,000 towards the match in this grant proposal. The EDA recognizes the critical need for access to high-speed internet by the more than 45 home-based and marine businesses in these areas. The Potomac River is a big draw for all kinds of recreational purposes both on the river and at Widewater State Park. Tourists want internet access at vacation destinations. Lack of it can limit the number of visitors and reduce learning opportunities for visitors.

The Widewater and Marlborough Point areas are a mix of well-established neighborhoods and new neighborhoods. Unfortunately, both are affected by lack of broadband. Drew Fristoe, of the Fredericksburg Area Association of Realtors (FAAR), stated that broadband is viewed as an essential utility by prospective homebuyers in our society today. FAAR's realtors report that many properties without high speed internet command a lower price than similar properties in the area and many prospective owners simply move on from properties without broadband access. As for the many residents there who have lived on family land for generations, their properties have lower values because of the lack of internet access.

Dr. Scott Kizner, Superintendent of Stafford County Public School (SCPS), wrote that this type of grant would support the more than 29,000 students enrolled in SCPS, particularly the children living in Widewater and Marlborough Point. SCPS requires many items to be turned in via the internet. Children use the internet for research and enrichment. College applications are all online as well as information about resources to help pay for college. Without that access, children without broadband are at a distinct disadvantage. He also wrote that many of the system's teachers are working to expand their science curriculums to include outdoor hands-on learning, to take advantage of a partnership with the Friends of Widewater State Park to establish an outdoor, hands-on living laboratory and education hub to serve as a Science, Technology, Engineering and Math programming focal point. Not only would this benefit Stafford's schoolchildren, but the many children who visit the park year-round from other areas of Virginia and beyond. The park is 1,100 acres of a complex and intact ecosystem situated between Aquia Creek and the Potomac River.

Craig Seaver, the Commonwealth of Virginia State Parks Director, wrote a letter of support saying they would be happy to partner in this initiative by providing internet access locations available to the public visiting the park. Environmental and interpretive programming will take advantage of better technologies allowing guests to achieve a desirable level of connectivity thereby increasing attendance and maintenance programs and business operations will improve greatly. Additionally, it would benefit the park staff with the delivery of training and professional education and public safety would be improved.

Additionally, Widewater State Park has plans to make the park a smart park, which complements an initiative the County has to build a new Smart Community to be named "Downtown Stafford." The County recently received a grant from the Commonwealth of Virginia through the Center for Innovative Technology to conduct a study to create a Vision, Strategy, Plan, and Specifications for this project. In the spring of 2020, the County plans to issue a request for proposal for the construction of a Downtown Stafford and Smart Technologies will be integral part it. Widewater State Park could become Virginia's first "smart park." A study from IDC Research shows that 79 percent of 18-44 year olds have smartphones with them 22 hours a day. A smart park could benefit both the park user and the parks operations team. Customers can easily plan a trip from their mobile device. With

more sophisticated online systems, parks could use data analytics and visitor tracking data to gain insight into visitation numbers, patron demographics and areas of improvement.

In the area of public safety, the lack of broadband can make the difference between life and death. Stafford Fire Chief Joseph Cardello writes that an increase in broadband is important to the citizens of Stafford County because it would enable them to access public safety resources via the internet connection. He notes that many 911 calls are currently received via cell phones. When rural citizens use cell phones to call 911, it can result in dropped calls or improper routing, causing delays of life and property saving emergency services. Broadband would give citizens more options than their cell phones to reach 911. Indeed, this is even more important as providers are not expanding copper telephone service in these areas.

Lastly, for the average citizen, the lack of broadband effectively limits their options for interacting with the broader world and conducting personal business. Most every transaction that citizens need to complete is available online. Unserved residents must drive everywhere from these remote areas to complete business in person, adding to the congestion of an already overtaxed road system. The health care industry is just at the beginning of expanding online diagnostics which unserved citizens cannot access. All the simple things that most people take for granted who have broadband – checking hours of operation, shopping online, streaming movies, planning vacations, finding out government information – are things that unserved residents cannot do.

The access to broadband is diving the world into haves and have nots. Stafford County wants to work to eliminate this digital divide among its residents. With KGI and the new fixed wireless, it can make a giant stride towards solving that problem.

**Up to 150 Mbps  
download**

*upload: 50 Mbps*

**\$199.99 per month contract**  
\$209.99 per month non-contract

**DIAMOND\***

Exorbitant Use:

The fastest speed available for residential customers. This plan is great for the one who wants a lot of upload and download speed.

**Up to 100 Mbps  
download**

*upload: 20 Mbps*

**\$149.99 per month contract**  
\$159.99 per month non-contract

**PLATINUM PREMIUM\***

Extreme Use:

Very fast speed available for residential customers. This plan is good for the one who wants a lot of speed.

**Up to 50 Mbps  
download**

*upload: 10 Mbps*

**\$119.99 per month contract**  
\$129.99 per month non-contract

**PLATINUM\***

Enormous Use:

With this speed, customers can do the functions of the Gold Premium profile as well as very heavy streaming, gaming, programs, music, tutorials, videos, and HD movies for a large amount of devices.

**Up to 30 Mbps  
download**

*upload: 7 Mbps*

**\$89.99 per month contract**  
\$99.99 per month non-contract

**GOLD PREMIUM\***

In addition to the uses of the Gold Plus profile, these speeds allow for heavier usage for multiple devices.



**Up to 25 Mbps  
download**

*upload: 3 Mbps*

**\$79.99 per month contract**  
\$89.99 per month non-contract

**GOLD PLUS\***

Download large data and files, music and video in HD, complex games online, and video conference

**KGI**  
COMMUNICATIONS

**RESIDENTIAL  
FIXED WIRELESS  
PACKAGES**

**UNLIMITED USAGE  
NO THROTTLING**

\*Plan descriptions are estimated examples.



Business Fixed Wireless Pricing

Dedicated Speed	Price
200/200 mbps*	\$399.99/mo
150/150 mbps*	299.99/mo
100/100 mbps *	249.99/ mo
50/50 mbps*	199.99/mo
30/30 mbps*	149.99/mo
25/25 mbps*	124.99/mo

\*All upload / download speeds are "up to" \*

**Set Up, Installation Charges & Taxes (One-time Charge)**

Contracts	Prices with taxes
5-Year	\$49.99
4-Year	\$99.99
3-Year	\$149.99
2-Year	\$249.99
1-Year	\$349.99

Site visit may be required.

<b>Control Fee</b>	<b>\$20.00/mo</b>
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Static IP Available Upon Request

Prices & Taxes are subject to change without notice.



FTTH FIBER PRICING\*  
2-year Contract

540-709-7070

**RESIDENTIAL PLANS\*\***

**FIBER 100**

\$190 PER MONTH

Up to 100 download  
Up to 100 upload

**FIBER 300**

\$230 PER MONTH

Up to 300 download  
Up to 300 upload

**FIBER 500**

\$250 PER MONTH

Up to 500 download  
Up to 500 upload

**BUSINESS PLANS\*\***

INCLUDES 1 STATIC IP

**BUS-FIBER 100**

\$240 PER MONTH

Up to 100 download  
Up to 100 upload

**BUS-FIBER 300**

\$270 PER MONTH

Up to 300 download  
Up to 300 upload

**BUS-FIBER 500**

\$290 PER MONTH

Up to 500 download  
Up to 500 upload

\*Fiber pricing is only for areas where KGI Fiber To The Home (FTTH) is available

\*\*All fiber plans are unlimited usage and no throttling



Location	Residential Service Units	Total Project Cost	Non-County In Kind Contributions	Stafford County In-kind Contributions/matches	% Match	VATI Request	Total Cost Per Residential Service Unit
Widewater/Aquia Landing	346	\$554,204	\$99,706		18%	\$454,498	\$1,314
Marlborough Point and King George	262	\$309,479	\$139,154		45%	\$170,325	\$650
Aquia Creek	119	\$308,877	\$59,222		19%	\$249,655	\$2,098
Additional Costs		\$57,096		\$57,096			
Stafford County Economic Development Authority Match				\$50,000			
<b>Total</b>	<b>727</b>	<b>\$1,229,656</b>	<b>\$298,082</b>	<b>\$107,096</b>	<b>33%</b>	<b>\$874,478</b>	<b>\$1,203</b>

In Kind Contributions are based on standard installations and do not assume any complex installations. Complex installations add additional equipment and are assumed in-kind as calculating the engineering needed is impossible. Therefore, KGI will assume such risk.

The contingency added is not required but is still calculated as a best practice in the estimate.