

# Application to DHCD Submitted through CAMS

Rockbridge County

Rockbridge County 2022 Universal Broadband Project

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**Application ID:** 86509072021164125  
**Application Status:** Pending  
**Program Name:** Virginia Telecommunications Initiative 2022  
**Organization Name:** Rockbridge County  
**Organization Address:** 150 S. Main Street  
Lexington, VA 24450  
**Profile Manager Name:** Brandy Flint  
**Profile Manager Phone:** (540) 464-9662  
**Profile Manager Email:** bflint@rockbridgecountyva.gov

**Project Name:** Rockbridge County 2022 Universal Broadband Project  
**Project Contact Name:** Spencer Suter  
**Project Contact Phone:** (540) 463-1460  
**Project Contact Email:** ssuter@rockbridgecountyva.gov  
**Project Location:** 150 South Main Street  
Lexington, VA 24450-2359  
**Project Service Area:** Rockbridge County

**Total Requested Amount:** \$10,850,750.00

**Required Annual Audit Status:** Accepted

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## Budget Information:

Cost/Activity Category	DHCD Request	Other Funding	Total
<b>Telecommunications</b>	<b>\$10,850,750.00</b>	<b>\$10,882,825.00</b>	<b>\$21,733,575.00</b>
Construction	\$10,600,253.00	\$8,545,705.00	\$19,145,958.00
Construction Related Soft Costs	\$110,000.00	\$1,000,000.00	\$1,110,000.00
Contingencies	\$0.00	\$882,670.00	\$882,670.00
Other: Equipment	\$90,497.00	\$454,450.00	\$544,947.00
Other: Grant Administration	\$50,000.00	\$0.00	\$50,000.00
<b>Total:</b>	<b>\$10,850,750.00</b>	<b>\$10,882,825.00</b>	<b>\$21,733,575.00</b>

## Budget Narrative:

A detailed breakdown of costs for this project is provided in Attachment 12-Derivation of Costs. Both BARC Electric and the Rockbridge Area Network Authority (RANA) are participating in the proposal to bring universal broadband coverage to Rockbridge County. Two Derivation of Costs spreadsheets are included, one for BARC (Project 1) and another for RANA (Project 2). The total cost for BARC's project area is \$17,368,575. BARC is providing \$8,918,575 (51%) in match. The total cost for the RANA project area is \$4,365,000. Rockbridge County is providing a match of \$1,964,250 (45%) for this part of the project. The VATI funding request is for the construction of fiber and service drops, soft costs such as inspectors and PE signatures, access equipment, and fees for the CSPDC to administer the grant.

## Questions and Responses:

### 1. Project Description and Need

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

### Answer:

Rockbridge County, Virginia (Rockbridge) received notice for the 2022 Virginia Telecommunications Initiative grants in the total available amount of \$750M to deploy broadband infrastructure to enhance sustainability and growth of rural communities in Virginia by connecting unserved residents and businesses. Rockbridge recognized the value and economies of scale possible in working with BARC Electric Cooperative (BARC), Dominion Energy and the Rockbridge Area Network Authority (RANA) to submit a multi-partner grant application to fully connect residents and businesses in the region.

Rockbridge proposes to build on 10 years of intense focus of rural broadband expansion, which began with the formation of RANA in 2010. Through a visionary partnership between Rockbridge, the cities of Lexington and Buena Vista and Washington & Lee University, RANA utilized a \$10M federal BTOP grant to propel construction of a middle mile, open access network throughout the area. In 2016, BARC formed BARC Connects, the cooperative's broadband subsidiary, and partnered with RANA to lease middle mile circuits extending fiber to the door in remote areas of the county. In 2020, the CSPDC on behalf of Rockbridge and BARC was awarded VATI funding for broadband expansion in Rockbridge serving 492 premises. BARC alone has invested approximately \$50M in fiber infrastructure in Rockbridge. In leveraging the original RANA investment and seeking opportunities for further expansion through collaboration and efficient implementation, Rockbridge has proven its ability to maximize the positive impact of grant dollars.

The application consists of two sub-projects providing high-speed Internet to over 2,300 premises located in remote areas with difficult topography. The project areas will further expand the county's fiber-to-the-premise (FTTP) network access in difficult to reach areas where county residents have contacted the applicant and co-applicants in desperation due to a lack of broadband access.

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1. Project seeking funding: Fiber-To-The-premise (FTTp) middle and last mile

2. Number of premises to be served

Project 1 (BARC): 2,178

Project 2 (RANA): 160

Total: 2,338

3. Maximum Deployment Speed/ package tier offerings:

1 Gbps/1 Gbps

4. Total Project cost:

Project 1 (BARC): \$17,368,575

Project 2 (RANA): \$ 4,365,000

Total: \$21,733,575

5. Non-VATI resources:

Project 1 – BARC: \$8,918,575

Project 2 – Rockbridge: \$1,964,250

Total - \$10,882,825

6. Project partners or subcontractors: BARC Electric Cooperative (BARC), Rockbridge Area Network Authority (RANA), Dominion Energy (DOM)

7. Projected completion date: June 2023

BARC, the main electric service provider in Rockbridge, was the first electric cooperative in Virginia to form a subsidiary broadband ISP. Dominion also provides electric service for the area and is capable of building middle-mile fiber to assist in reaching unserved premises outside of BARC's electric service territory. By leveraging middle-mile fiber deployment from Dominion, BARC will be able to provide last-mile fiber service to consumers in certain project areas that would otherwise be financially infeasible while continuing deployment of last-mile fiber within its own service area, extending fiber access across the County.

RANA is an open-access middle-mile fiber provider in Rockbridge, expanding its network to enable last-mile fiber providers, like BARC, to provide high-speed Internet in rural, unserved areas in the County.

The unified goal is to connect all remaining unserved residences and businesses in Rockbridge County as comprehensively as possible by using BARC's fiber network; middle-mile fiber from Dominion and middle-mile fiber from RANA. This project will complete BARC's goal of 100% ubiquitous broadband service available to all BARC consumers in Rockbridge County. The County has had difficulty obtaining comprehensive data from ISPs to determine the full extent of any remaining unserved areas beyond the scope of this application; however, believes this significantly closes the gap in available broadband coverage.

Rockbridge County is the applicant for this multi-partner proposal including private partners BARC, DOM and RANA. All applicants have worked together to identify areas unserved by 25/3 internet speeds for this proposed project area utilizing the most current Center for Innovative Technology (CIT) map and Federal Communications Commission (FCC) maps, attempting outreach to other ISPs, and speaking with residents in the proposed project areas.

Access to high-speed Internet is the foundation for sustainability, yet rural Virginia lacks broadband access, making opportunities for economic growth scarce. In 2021, Governor Ralph Northam announced a \$750M investment of state and federal funds to expand internet access across the Commonwealth. The Governor's initiative aligns with a multi-phase project BARC and its subsidiary, BARC Connects, began in 2017 to provide ubiquitous FTTp Internet service to all 13,000 of its electric members and thousands more outside its electric territory. As of July, 2021 BARC has built and maintains approximately 895 miles of fiber infrastructure providing access to high-speed Internet service to over 9,900 homes and businesses. By FY end 2021 BARC will have built an additional 326 miles of completed fiber infrastructure. Pursuant to an affiliate arrangement approved by the Virginia State Corporation Commission, BARC leases its fiber and related equipment to BARC Connects under a Fiber & Network Lease Agreement. Connects operates the leased

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network and provides last-mile Internet service to BARC Electric, as well as other customers.

Both sub-projects will maximize the impact of requested grant funding by matching a significant amount (45%-51%) in cooperative and locality funding to serve as many residents and businesses as possible. Attachment 1 Project Area Map identifies total project areas including boundaries with road locations.

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

**Answer:**

Rockbridge County conducted extensive research and has knowledge of the unserved areas, however, to have a “challenge-free” objective proposal, the County attempted outreach to known ISPs offering broadband service. The County was unable to obtain enough data from those outreach efforts to ensure a challenge-free proposal. Based on resident feedback and the data the County did obtain, the County asserts that these project areas are unserved unless/until an ISP can prove otherwise.

Prior to putting this grant application together, Rockbridge attempted outreach to service providers known to provide service in the County. Existing providers include BARC Connects, Virginia Technology Services (VTS), Comcast, Century Link, ShenTel, Lumos, and Ting. Rockbridge attempted to discern areas already served at a level at least 25/3. In doing so, Rockbridge removed the BARC Connects, RANA and VTS areas which are either built or are planned to be built via other funding sources. Rockbridge reached out to Comcast and Century Link, achieving some success in identifying and eliminating some areas served by Comcast. Due to the lack of additional information, Rockbridge does not have complete data on existing coverage levels or area of coverage as these are private companies that do not make this information public. The County then referenced maps that are publicly available from the CIT to further determine the types of coverage and areas, overlaid against the unserved areas identified by CIT.

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

**Answer:**

To accompany the existing provider map is Attachment 2 – Documentation of Federal Funding Area showing the CAF and RDOF funded areas in Rockbridge County. As shown, BARC was awarded both CAF and RDOF funding through the Rural Electric Cooperative Consortium and the Co-Op Connections Consortium, respectively. Some of the proposed project areas under this application overlap small portions of CAF and RDOF funded areas, as shown in Attachment 2, Documentation of Federal Funding Area and Attachment 3, RDOF Awarded Areas Form in VATI areas. However, these VATI projects will allow BARC to expand its fiber network to adjacent unserved areas beyond the CAF and RDOF census blocks, increasing service availability to some of the most remote and hard-to-reach regions in Rockbridge County that would not be possible to build without crossing CAF and RDOF funded areas. BARC does not seek VATI funds to serve CAF or RDOF census blocks; it sees VATI funds to serve the adjacent unserved areas around them in order to achieve the County’s goal of ubiquitous broadband service throughout the entire County.

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

**Answer:**

Project 1: As part of the Co-op Consortium areas identified in Attachment 3, BARC has been awarded Rural Digital Opportunity Fund (RDOF) funds. BARC has identified 221 passings in RDOF awarded areas within Project 1 of the VATI application area. Maps, including Census Block Group ID numbers for each block group in the project area are attached. Below is a chart that breaks out the total passings by area.

Project Area

RDOF Locations



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CBG ID #

Buffalo Creek

10

511639303001

Effinger-Big Hill

56

511639303003

Spring Valley

5

511639303002

Conrock North

0

N/A

Conrock South

0

N/A

Brownsburg

43

511639302001

Old Farm Road

2

511639303001

Rt. 11 South

60

511639303004

Steele's Tavern-Vesuvius

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	23
	511639301001
Stuartsburg Road	9
	511639301002
Still House Road	13
	511639303005
Possum Hollow	0
	N/A
Arnolds Valley	0
	N/A

This information also includes RDOF funding awarded to Century Link.

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

**Answer:**

As discussed above, Rockbridge County conducted extensive research and has knowledge of the unserved areas. The County attempted outreach to known ISPs offering broadband service. The County was unable to obtain complete county-wide data. Based on resident feedback and the data the County did obtain, the County asserts that these project areas are unserved unless/until an ISP can prove otherwise.

Prior to putting this grant application together, Rockbridge attempted outreach to service providers known to provide service in the County and discern areas already served at a level at least 25/3. In doing so, Rockbridge removed the BARC Connects, RANA and VTS areas which are either built or are planned to be built via other funding sources. Rockbridge reached out to Comcast and attempted to reach out to Century Link. Due to the lack of additional responses, Rockbridge does not have complete data on existing coverage levels or area of coverage as these are private companies that do not make this information public. The County then referenced maps that are publicly available from the FCC to further determine the types of coverage and areas, overlaid against the unserved areas identified by FCC. There potentially are areas within census blocks that are considered served, but are likely not and included in the application.

6.

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

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

**Answer:**

Project 1 (BARC) consists of 13 project areas that are unserved both inside and outside of BARC’s electric service territory. As part of this project, BARC and Dominion will partner in the non-BARC electric service areas to deploy FTTP. As identified in the four project areas below, Dominion will provide middle-mile fiber and BARC will deploy last-mile fiber. The remaining 9 project areas will be completed by BARC to deploy last-mile FTTP.

Below is a chart of Project Area 1 (BARC) identifying total mileage; unserved homes; unserved businesses; and total locations.

**Project 1 - BARC**

**Total Mileage**

**Unserved Homes**

**Unserved Businesses**

**Total Unserved Locations**

**Additional Locations Outside Unserved Areas**

**Total Locations**

**BARC Electric Area – Spring Valley**

12

89

6

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	95
	-
	95
<b>BARC Electric Area – Buffalo Creek</b>	
	9
	57
	1
	58
	-
	58
<b>BARC Electric Area – Conrock North</b>	
	19
	179
	10
	189
	-
	189
<b>BARC Electric Area – Conrock South</b>	
	5
	57
	-
	57
	-
	57
<b>BARC Electric Area – Effinger / Big Hill</b>	
	55
	375
	11

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	386
	-
	386
<b>Brownsburg (with Dominion)</b>	
	16.8
	114
	8
	122
	-
	122
<b>Stuartsburg (with Dominion)</b>	
	10.2
	77
	5
	81
	-
	82
<b>Rt. 11 South (with Dominion)</b>	
	93
	633
	64
	697
	-
	697
<b>Steeles Tavern to Vesuvius (with Dominion)</b>	
	11.95
	120

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	11
	131
	-+
	131
<b>Still House Road</b>	
	10.08
	47
	47
	-
	47
<b>Old Farm Road</b>	
	2
	14
	1
	15
	-
	15
<b>Collierstown Road (Possum Hollow / Thornhill Rd)</b>	
	5.37
	49
	2
	51
	-
	51
<b>Arnolds Valley</b>	

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248

248

247

**Total**

249.4

2,059

119

**2,178**

**2,178**

BARC used electric meter information for each premise it serves and worked with Rockbridge County to plot service address locations to determine the number of serviceable units in the unserved portion of Rockbridge County. BARC found 2,178 unserved consumers including both residential and commercial. There are 221 RDOF passings of residential consumers in the proposed project areas.

Rockbridge County mapped the proposed project routes against areas identified by CIT as unserved by 25/3 internet and in the Dominion service territory of Rockbridge. In addition, Rockbridge attempted outreach to any possible existing ISPs regarding access to high-speed Internet service in the mapped areas deemed unserved

Project 2 (RANA) consists of 1 unserved area. Below is a chart of Project Area 2 (RANA) identifying total mileage; unserved homes; unserved businesses; and total locations.

## Project 2 - RANA

**Total Mileage**

**Unserved Homes**

**Unserved Businesses**

**Total Unserved Locations**

**Additional Locations Outside Unserved Areas**

**Total Locations**

### Mechanicsville Area

18

156

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4

160

-

160

**Total**

**18**

**156**

**4**

**160**

**160**

RANA surveyed address and maps and found 156 unserved homes and 4 unserved businesses, which are primarily small or home-based businesses and includes a church, dog kennels, a farm, and a cemetery.

The applicants chose to use the most current CIT map and focus solely on areas designated as unserved. Additionally, the applicants are not aware of any existing providers identified in the proposed project areas offering services above 25/3 where VATI funding is sought, and therefore no overlap of services exists. Attachment 4 – Documentation of Unserved Area VATI Criteria is attached that outlines the proposed project routes where VATI funding would be used to deploy last-mile gigabit infrastructure for Project 1 and middle-mile fiber infrastructure for Project 2.

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

**Answer:**

No wireless infrastructure will be installed for this project.



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8. Speeds: Describe the internet service offerings, including download and upload speeds, to be provided after completion of the proposed project. Detail whether that speed is based on dedicated or shared bandwidth, and detail the technology that will be used. This description can be illustrated by a map or schematic diagram, as appropriate. List the private co-applicant's tiered price structure for all speed offerings in the proposed project area, including the lowest tiered speed offering at or above 25/3 mbps. (up to 10 points)

**Answer:**

The broadband service that will be provided for Project 1 will be Fiber-To-The-premise (FTTp). BARC Electric Cooperative, the co-applicant, has been selected as the service provider for broadband service in the proposed areas in Project 1 located in Rockbridge County. BARC has successfully implemented broadband service in Rockbridge County providing high-speed internet service and phone service to residents and businesses. The infrastructure from the Cabinet to the premise Optical Network Terminal (ONT) is dedicated bandwidth capable of speeds up to 1 Gbps without data caps. The proposed system will be deployed using a GPON architecture system. The speed tiers and costs are as follows:

Internet Service Speed Tiers and Pricing:

50 Mbps download / 10 Mbps upload; Cost: \$60 per month

100 Mbps download / 50 Mbps upload; Cost \$70 per month

250 Mbps download / 125 Mbps upload; Cost \$80 per month

500 Mbps download / 250 Mbps upload; Cost \$150 per month

Gigabit 1,000 Mbps download / 1,000 Mbps upload; Cost \$500 per month

All service packages include one free fiber modem; one free wireless router; and no data caps.

In addition to reliable internet service, BARC also offers phone packages to residential and business consumers who are interested in expanded broadband services.

The broadband service that will be provided for Project 2 will be Fiber-To-The-premise (FTTp). Co-applicant BARC Electric Cooperative, along with other ISPs that utilize RANA's open access middle-mile network, will provide broadband service to customers in the proposed Project 2 Rockbridge County area utilizing FTTp drops built by RANA.

RANA has been providing high speed fiber service in Rockbridge County since the network was built and launched in 2013. The infrastructure from the cabinet to the premise Optical Network Terminal (ONT) is fiber with bandwidth capable of speeds up to 1 Gbps. RANA's current fiber optic network is deployed using Active Ethernet. The proposed extension to the two new project areas will be deployed with an architecture that utilizes both GPON and Active Ethernet. The speed tiers are listed below. The specific speeds offered to the end customer and the end customer price is determined by the ISP:

Internet Service Speed Tiers and Pricing:

Tier 1 50 Mbps download / 10 Mbps upload; End customer pricing determined by ISP

Tier 1 100 Mbps download / 50 Mbps upload; End customer pricing determined by ISP

Tier 1 150 Mbps download/ 50 Mbps upload; End customer pricing determined by ISP

Tier 2 25 Mbps download/ 25 Mbps Upload; End customer pricing determined by ISP

Tier 2 50 Mbps download/50 Mbps Upload; End customer pricing determined by ISP

Tier 2 100 Mbps download/ 100 Mbps upload; End customer pricing determined by ISP

Tier 2 250 Mbps download/ 250 Mbps upload; End customer pricing determined by ISP

Tier 2 500 Mbps download /500 Mbps upload; End customer pricing determined by ISP

Tier 2 1Gbps download/1 Gbps upload; End customer pricing determined by ISP

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

**Answer:**

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For Project 1, BARC plans to construct and operate a fiber to the premises (FTTp) network to provide advanced broadband services, including high speed Internet, video and voice services. The network provides an all-fiber infrastructure utilizing existing BARC Electric substations and rights-of-way. The network is engineered to create diverse redundant paths for each substation network, all converging at the BARC NOC. BARC Network Element electronics are categorized as follows:

#### GPON Access Network:

BARC uses a Gigabit Passive Optical Network technology. GPON provides a robust and cost-effective solution while still meeting the high standards necessary for a carrier-class network. BARC's GPON solution uses GPON Optical Line Terminations (OLTs) connected to residential Optical Network Termination equipment (ONTs) through use of proper passive optical splitters. BARC uses Calix E7s and a combination of 844G, 801 & 716 ONTs for deployment at residential and business locations. All E7s are configured in a 10G redundant ring back to the BARC data center.

#### Core & Edge Routers:

BARC currently has two carrier-grade Juniper core routers in its data center (primary and backup) with redundant 10G circuit uplinks to BARC's edge peering point at the Equinix data center in Ashburn, VA. From there, BARC has Juniper routers with connections to two different Tier 1 transit providers as well as our video partner. BARC runs both IPv4 and IPv6 natively on its network. There is full redundancy to all devices off the core router within the data center. BARC has a VMWare environment which contains its public facing servers which host services such as DNS & DHCP as well as a set of private servers that run network monitoring software, Calix CMS, etc.

#### Description of CPE and Method of Acquisition:

BARC standardized its Customer Premise Equipment (CPE) for its broadband, IPTV and VOIP services with Calix. The proposed CPE will be located inside the home in close proximity to the entertainment center. The gateway device will terminate the fiber, convert light to electrical signal, and will provide the following ports: HDMI, 4 Ethernet ports, one POTS port, and will provide in-home secure Wi-Fi service. For IPTV, BARC will provide TV remotes and either wired or wireless set-top boxes with and without DVRs.

BARC personnel will offer assistance with setup and installation and BARC intends to offer in-home wiring service for an additional fee. The method of customer acquisition will be through various marketing channels, including digital, print, community meetings, and online portal access. Once an order is confirmed, the service delivery date will be established. On the service delivery date, the service will be provisioned while the installer performs the drop installation and performs in-home wiring. There will be sufficient inventory of CPE on technician vehicles as well as inventory at the warehouse.

For Project 2, RANA plans to extend its current network to support two additional unserved areas of Rockbridge County. RANA will deliver FTTp drops that its ISP's, including the Co-Applicant BARC, will utilize to provide advanced broadband services to their customers. These services include high speed Internet and may also include video and voice services. The network is provided utilizing an all-fiber infrastructure that utilizes fiber cabinets in the field that are tied into RANA's NOC located at the RANA data and colocation facility in Lexington, VA.

#### Network Access:

RANA primarily uses Active Ethernet and will also be utilizing Gigabit Passive Optical Network technology to provide carrier class services that meet the needs of our residential and business customers. RANA uses Calix equipment to support both Active Ethernet and GPON implementations to deliver carrier-class network services to customers. RANA's Active Ethernet service is uses Calix 716 GE Optical Network Termination (ONT's) at residential and business locations. RANA's GPON service will utilize Calix Optical Line Terminations (OLTs) connected to residential or business Calix Optical Network Termination equipment (ONTs) through use of passive optical splitters. RANA uses Calix E-7 2's with active ethernet and GPON cards along with 803G and 716 GE ONTs for deployment at residential and business locations. The new routes will be tied into RANA's 10G redundant ring back to RANA's data center in Lexington. RANA utilizes servers at the RANA data center to run Calix CMS software to monitor and manage our middle-mile network.

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

**Answer:**

Access to high-speed Internet is the foundation for sustainability, yet for most parts of rural Virginia broadband is lacking, negatively impacting economic growth, education, and quality of life. This project will create a brighter future for all rural residents in Rockbridge County. It has the potential to create economic growth opportunities; new housing starts, drive sales of existing homes, create telecommuting opportunities; and allow for economic health improvements in the creation of new small and home-based businesses. It will provide opportunities for new business attraction and expansion; it will retain a trained, competitive workforce; and it will compete with more densely populated regions that currently have broadband infrastructure in place to meet residential and business needs. With BARC's last-mile broadband expansion and RANA's middle-mile broadband expansion assisted by VATI, this region of Virginia is poised to experience long-term sustainable economic growth.

As Rockbridge has placed intense focus on access to high-speed Internet service the past 10 years, there are still low-density areas in the county that lack access. Due to high costs for construction, larger carriers will not invest the dollars needed to reach these areas. Rockbridge has partnered with both BARC and RANA to expand the availability of high-speed Internet service, but there are still areas in the County that remain unserved or underserved. Also, in partnering with Dominion to build middle-mile fiber, costs are reduced for BARC to continue last-mile fiber expansion to reach unserved and underserved areas. Funding of this grant will help Rockbridge to achieve its goal of providing access to affordable, reliable high-speed Internet service and greatly reduce the number of areas that are unserved or underserved. The unified goal of all applicants is to connect all remaining unserved residences and businesses in Rockbridge County as comprehensively as possible by using BARC's fiber network; middle-mile fiber from Dominion and middle-mile fiber from RANA.

Project 1 will leverage BARC's existing network operations center (NOC) to expand BARC's broadband service network and access to high-speed Internet service in rural Rockbridge County. BARC proposes to deploy 249.4 total miles of gigabit last mile fiber infrastructure providing Fiber-To-The-Premise (FTTp) service to unserved residents and businesses. This fiber project expansion will pass 2,058 residents and 119 businesses in Rockbridge. A total of 2,178 residences/businesses will be served through this project. The VATI-requested funding will be allocated solely to connecting homes and businesses in the unserved areas of Rockbridge as identified in the CIT map. The match provided by BARC will be used for fiber construction to build to the unserved areas, as well as inside the unserved areas, making FTTp service available to all customers along the routes. Though this will not connect every residence and business in the locality, it opens additional pathways to future network expansion to connect the remaining unserved and underserved areas, which are decreasing thanks to grant funded projects. Grant funding is required to help offset the high capital costs associated with bringing reliable broadband service to these unserved and low-density rural residences and businesses.

Project 2 will enable RANA to construct middle-mile fiber, expanding access for last-mile ISPs to provide FTTp in an unserved area of Rockbridge. Project 2 proposes to construct 18 miles of middle-mile fiber infrastructure plus customer drops allowing last-mile ISPs on RANA's network to provide FTTp to unserved residents in the Mechanicsville area of the county. The project will allow access of high-speed Internet service to be made available to 156 residents and 4 businesses. A total of 160 residences/businesses will be served through this project. The match provided by Rockbridge County will contribute 45% of the funding needed for RANA to build to this remote area, expanding service to these low-density residents.

11. **Project Readiness**

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

**Answer:**

BARC's engineering and construction departments work closely with its outside engineers to perform all aspects of fiber

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network engineering, make ready, design, and project management. As stated elsewhere in this application, BARC has completed construction on approximately 895 miles of fiber serving over 9,900 homes and businesses, and is underway with construction on an additional 336 miles by YE 2021. The proposed VATI project would become the next focus of BARC's internal and outside engineers to design and begin make-ready assessments in preparation for construction. BARC's experience with hundreds of miles of existing fiber construction enables it to recognize problems before, during and after the construction process and proactively address them before they become significant issues or lead to delays. Based on BARC's experience, it envisions the project timeline as follows (from contract execution with DHCD):

Months 1-3: Make-ready engineering (MRE)

- Gather GPS coordinates for all planned poles and customer locations.
- Perform a make-ready assessment for attachment to each pole.
- Generate work orders to replace necessary poles and make on-pole adjustments.
- Work with other pole attachers to clear any existing make-ready violations (clearance issues) prior to construction.

Months 1-7: Fiber design

- Use the MRE data to prepare fiber design plans and prints for fiber construction, including construction maps, splice diagrams and bills of material (BOMs).

Months 1-5: Material acquisition

- Prepare an initial bill of materials (BOM) needed for the start of fiber construction. Additional BOMs will be created during the fiber construction process to provide the necessary materials for construction.

Months 2-7: Pre-sale.

- Announce a fiber pre-sale encouraging customers to sign up for service in preparation for construction. Free service drops will be provided to customers who sign up during the pre-sale period.

Months 5-17: Fiber construction; testing.

- Bid/award fiber construction contract.
- Construct the fiber network, including laterals and drops to customer homes/businesses.
- Project manage and perform quality control checks during fiber construction.

Months 6-17: Customer installations.

- Pull fiber from exterior NID to the interior of the customer premise and launch the customer's services, including residential and commercial customers.

RANA's project team works closely with its engineering, construction, and network management partners to maintain the existing 77 miles of fiber used by multiple ISPs and institutions. RANA also works with these partners to expand the network to support the needs of their end users. The proposed VATI project will become the next focus for RANA in preparation for construction. Our prior experience constructing and managing a fiber network enables us to recognize potential issues during and after the construction process to prevent issues once the new build portion of the network come online. Based on our experience, we envision the project timeline as follows (from contract execution with DHCD):

Months 1-: Fiber design.

- Work with design and engineering partners to finalize fiber design plans and prints for fiber construction, including construction maps, splice diagrams and bills of material (BOMs).

Month 2-3

- Identify and address any easement issues

Months 3-10: Construction Contract Bid/Award, Material acquisition, Fiber construction; testing.

- Bid/award fiber construction contract.
- Construction contractor will acquire materials needed to start and complete the project construction.
- Construct the fiber network, including laterals and drops to customer homes/businesses.

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- Project manage and perform quality control checks during fiber construction.

Months 3-10: ISP Notification for Pre-sale.

- Notify RANA ISPs of new build area to drive ISP pre-sales activity preparation for drop construction.

Months 4-14

- Customer installations.

Rockbridge County, as the Applicant, has designated BARC and RANA as the co-applicants and will collaborate with partners to extend broadband internet to unserved populations throughout the County. An agreement has been drafted between Rockbridge County Board of Supervisors, the Rockbridge County Economic Development Authority (collectively "Rockbridge County") and BARC and RANA outlining the roles and responsibilities of each partner. Additionally, Rockbridge County will enter into an agreement with the Central Shenandoah Planning District Commission to assist the County and its EDA with grant administration and programmatic and financial record-keeping as well as providing coordination between the partners and DHCD. Attachment 8 – MOU/MOA between Applicant/Co-Applicant

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

**Answer:**

The CSPDC submitted a VATI application with co-applicant BARC Electric Cooperative in 2019 and was awarded a \$2.2 million grant. The project is bringing broadband access to 492 unserved homes and businesses in Rockbridge County resulting in approximately 111 miles of gigabit last mile fiber infrastructure and a total cost of \$4.4 million dollars. The CSPDC serves as the grant administrator and is working with Rockbridge County and BARC through the completion of the project. This project is currently in the construction phase and is expected to be completed by the end of 2021.

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

**Answer:**

Attachment 9 – Funding Sources Table (Project 1) documents the cash match and in-kind resources from the co-applicants (BARC and DOM). Attachment 10 Documentation of matching Funding (Project 1) outlines that BARC Electric Cooperative and its Board of Directors is committed to a cash match totaling \$8,918,575. These funds will be used for activities including equipment purchases, contractual services, outside plant materials, and fiber construction, among other items for the identified project area to unserved homes and businesses. These matching funds have been allocated in BARC's 2022 budget and any unspent funds will be carried forward into future fiscal years as necessary. A portion of these matching funds is anticipated to be provided by DOM through its middle mile construction but the exact extent is still yet to be determined. However, BARC is committed to matching the full amount should DOM not participate at all in the project, which is unlikely to occur. The BARC matching funds will be used towards the listed items above to provide service to both unserved homes and businesses and additional potential addresses passed during the construction of this project.

Attachment 9 – Funding Sources Table (Project 2) documents the cash match and in-kind resources from Rockbridge County (RANA project). Attachment 10 Documentation of matching Funding (Project 1) outlines that Rockbridge County Economic Development Authority is committed to a cash match totaling \$1,964,250. These funds will be used for activities including equipment purchases, contractual services, outside plant materials, and fiber construction, among other items for the identified project area to unserved homes and businesses. These matching funds have been allocated in the Rockbridge County Economic Development Authority's 2022 budget and any unspent funds will be carried forward into future fiscal years as necessary. These matching funds will be used towards the listed items above to provide service to both unserved homes and businesses and additional potential addresses passed during the construction of this project.

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

**Answer:**

This project is a joint effort by Rockbridge County, BARC, DOM, RANA and CSPDC to bring reliable, affordable high-speed internet service to the residents and businesses that are unserved in the defined project areas of Rockbridge County. All parties are committed to connecting the rural areas in Rockbridge identified in this proposed project area to reliable high-speed internet.

Rockbridge and the CSPDC have experience working with BARC and RANA and recognizes their proven track record in providing reliable broadband service in the community. Rockbridge County and the CSPDC have provided extensive in-kind support to the regional planning process and in identifying unserved areas included in the scope of the project areas within the application.

Both Rockbridge and the CSPDC will provide significant local assistance to assist with this project to ensure its success in the region. These activities will include organizing frequent and meaningful community meetings with leaders, residents and businesses in the County to discuss the project; mobilizing GIS resources to assist BARC and RANA with defining the project boundaries to clearly identify who will be eligible for service; and provide assistance to BARC and RANA staff to help respond to residents to answer any questions or concerns related to this project. Additionally, the county will assist with the distribution of information including marketing materials; pricing for available services; guidance to sign-up for selected services. If needed, Rockbridge agrees to assist in areas related to permits, rights of way, easements and any other issues that may hinder or delay the proposed project.

Project 1 includes 13 identified areas that are unserved in Rockbridge County. If funded, this project will leverage BARC's existing network operations center (NOC) to expand BARC's fiber network, making FTTp service available to low-density areas including almost 2,200 homes and businesses in Rockbridge County. To accomplish this, BARC plans to expand its fiber-optic internet network throughout Rockbridge, utilizing 49% VATI funding and 51% BARC matching funds for the fiber build.

BARC and Dominion have identified 3 areas in Project 1 leveraging a partnership between Dominion and BARC. This partnership will include Dominion building middle-mile fiber in 3 of the 13 project areas and BARC completing last-mile FTTp for unserved homes in these areas.

Project 2 will leverage RANA's existing network operations center (NOC) to expand access to fiber through RANA's last mile partnerships making FTTp service available to a low-density area passing 160 homes and businesses in Rockbridge County. To accomplish this, RANA will expand middle-mile fiber infrastructure utilizing 55% VATI funding and matching funds of 45% from Rockbridge County for their fiber build.

In leveraging partnerships with all applicants and the CSPDC, broadband service in the County will create potential economic growth opportunities; telecommuting opportunities and improve the rural quality of life; it will provide opportunities for new business attraction and expansion; it will retain a trained, competitive workforce; and it will compete with more densely populated regions that currently have broadband infrastructure in place to meet residential and business needs. This project will position Rockbridge to take advantage of recent trends of outmigration from urban environments for those seeking a better quality of life while still retaining access to modern, digital needs.

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15. Marketing: Describe the broadband adoption plan.

a. Explain how you plan to promote customer take rate, including marketing activities, outreach plan, and other actions to reach the identified serviceable units within the project area. Provide the anticipated take rate and describe the basis for the estimate. (up to 10 points)

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

**Answer:**

**Project 1:**

a. BARC's feasibility study forecasts a conservative 45% take rate on broadband services made available in this project. This is consistent with the take rate experienced to date in the first phase of BARC's fiber project (however, as project expansion continues, signups continue to occur at a rate of around 15 per week, so a final take rate has still not settled out). BARC believes this to be a conservative take rate for fiber service based on higher take rates reported by electric cooperatives throughout the country.

To achieve this estimated take rate, or hopefully greater, BARC commits to the following outreach and marketing plan:

- Developing and distributing marketing materials including postcards, flyers, email notices, and letters detailing the services available to the eligible addresses in the proposed project area. This information will include:
  - o Construction notification
  - o All broadband services available to units including fiber internet, TV and phone
  - o Price points for all services, including various internet speed tiers; various TV packages; home phone service
  - o Dedicated commercial sales staff to work with eligible businesses to answer questions
  - o Dedicated customer service staff to work with eligible residents to answer questions
- Develop and distribute digital advertising leveraging BARC's social media platforms to direct potential consumers to the BARC website to find service information and capability to sign-up for service utilizing the website.
- Plan and execute community meetings to meet face-to-face with residents and businesses to discuss the project; eligible service area; available services; pricing and additional questions.
- Marketing service availability in BARC's monthly magazine, Cooperative Living, on BARC's podcast, The BARC Connection, on BARC's website and on BARC's Facebook and Instagram pages utilizing digital content and platforms.

b. BARC is currently conducting a regional study regarding digital literacy needs and working with other Virginia cooperatives to develop a program. This program would be considered a "Broadband 101" program to address basic needs such as:

- What is the Internet?
- How to access the Internet
- Benefits / what one can do from the Internet

**Project 2:**

a. RANA anticipates its ISP customers delivering at least a 50% take rate on broadband services in the initial phase of the project and with additional add on take rate throughout the first year of full availability.

To achieve this estimated take rate and greater, RANA will encourage ISPs to develop a marketing outreach plan to target the unserved customers in the Mechanicsville project area. This outreach should include:

- Distribution of marketing materials area that may include:
  - o Construction notification with estimated availability timeframe
  - o Notification of available broadband services and associated pricing.
  - o Social media campaigns
  - o Canvassing target addresses for customer sign-ups with sales and customer service ready to engage with prospective customers.
- Ensure ISPs have explored and signed up for federal programs that provide funding for broadband service for low-income households.
- Explore digital literacy programs



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

**Answer:**

**Name**

**Title**

**Role**

Michael Keyser

CEO, BARC Electric Cooperative

Maintain schedules, perform make ready applications, coordinate engineering tasks, maintain network system post installation

Spencer Suter

Rockbridge County Administrator

Responsible for overseeing Rockbridge County VATI grant and matching contributions matching contributions for grant. Execute contracts, MOUs and agreement with EDA.

Steve Bolster

Director of Fiscal Services – Rockbridge County

Maintain fiscal records

Valeri Jacoutot

Executive Director, Rockbridge Area Network Authority

Maintain schedules, coordinate engineering tasks, maintain network system post installation, interface with ISPs RANA built drops.

Hunter Moore

CSPDC Regional Planner

Grant administration and coordination with localities, DHCD and ISP provider. Prepare progress reports and assist with mapping and GIS.

Rockbridge County is the applicant for this project and will implemented by BARC Electric Cooperative and RANA. Grant management will be provided through the Central Shenandoah Planning District Commission (CSPDC).

The Central Shenandoah Planning District Commission works with local governments and is the region's leading public planning organization. The CSPDC has the staff resources and capacity to carry out the proposed VATI project in an efficient manner. For 50 years, the CSPDC has been providing assistance to the 21 jurisdictions in the Central

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Shenandoah Valley and their citizens with issues including land use planning and regulations, transportation, solid waste management, water and wastewater utilities, housing, economic development, water resource management, disaster mitigation and education, and human services. Cooperative, cost-saving solutions to problems are addressed at the CSPDC through regional efforts and partnerships with its local jurisdictions and other stakeholders. The CSPDC has a proven record of successfully implementing local and regional projects and programs. The CSPDC provides grant management, project administration, and financial management for a number of federal, state, and locally funded programs.

BARC is the main electric service provider in Rockbridge and was the first electric cooperative in Virginia to form a subsidiary broadband Internet service provider. BARC employees have extensive experience in managing and operating fiber networks and have nearly 80 years' experience in maintaining outside plant facilities. The cooperative also works with outside partners to provide billing and technical support, server maintenance, IPTV services, VOiP services, and other services that are more cost effective to outsource. BARC currently is working with the CSPDC on a VATI project in Rockbridge County.

RANA is an open-access middle-mile fiber provider in Rockbridge, expanding its network to enable last-mile fiber providers, such as BARC, to provide high-speed Internet in rural, unserved areas in the County.

## 17. Project Budget and Cost Appropriateness

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

### Answer:

Project 1 (BARC) A detailed breakdown to answer the above questions are included in Attachments: Attachment 11 – Derivation of Costs; Attachment 12 – Documentation of Supporting Costs; Attachment 13 – Supporting Documentation of Cost Estimates

Project 2 (RANA) A detailed breakdown to answer the above questions are included in Attachments: Attachment 11 – Derivation of Costs; Attachment 12 – Documentation of Supporting Costs; Attachment 13 – Supporting Documentation of Cost Estimates

18. The cost benefit index is comprised of state cost per unit passed. Individual cost benefit scores are calculated and averaged together to create a point scale for a composite score. Provide the following:

- Total VATI funding request

- Number of serviceable units  
(up to 125 points)

### Answer:

#### Project 1 (BARC):

- Total VATI funding request: \$8,450,000

- Number of serviceable units: 2,178

#### Project 2 (RANA):

- Total VATI funding request: \$2,400,750

- Number of serviceable units: 160

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

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

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

### Answer:

In August 2021, Governor Northam allocated a historic \$750 million of American Rescue Plan Act (ARPA) funding for broadband infrastructure in unserved areas of Virginia. The funding will accelerate the Governor's 10-year goal for achieving statewide universal internet access from 2028 to 2024. This goal aligns with a multi-phase project that BARC Electric Cooperative and its subsidiary, BARC Connects LLC, have been working on in their electric service area since 2017.

This project is a partnership among Rockbridge County, BARC Connects, RANA, Dominion Energy, and CSPDC. Rockbridge County has worked with all three groups to develop a plan to bring fiber to the unserved areas of the County. Dominion Energy is a new broadband partnership for the County. Dominion, also an electric service provider for the area, has the capability to build middle-mile fiber to assist in reaching unserved residents and businesses. By leveraging middle-mile fiber deployment from Dominion, BARC will be able to provide last-mile fiber service to consumers outside certain parts of BARC's electric service area. Additionally, BARC will leverage its own last-mile fiber deployment within its service area to extend fiber to areas still not served by broadband. RANA, an open-access middle-mile fiber provider, will expand its network to enable last-mile fiber providers, such as BARC, to provide high-speed internet in rural, unserved areas of Rockbridge County. Together, these partners will bring essential broadband infrastructure to areas of the County that are unconnected because of their low density, problematic topography, or challenging location. Besides Dominion, another new partner to this project is the Rockbridge County EDA. The EDA has pledged its support for the application and will serve to distribute funds for the project to BARC Connects and RANA.

This multi-partner broadband project will benefit businesses and residents. The project aligns with Rockbridge County's comprehensive plan and strategy to deploy fiber for broadband services to attract new business; expand existing business; develop the potential for an entrepreneurial ecosystem and attract and retain a local workforce with new job creation. Rockbridge County as well as the cities of Lexington and Buena Vista are part of the Appalachian Regional Commission. The median household income for the Rockbridge County-Buena Vista-Lexington area is 65% of Virginia's median income (HUD Median Income FY2021). This broadband project will provide services to households currently without broadband services. This will open opportunities for telework, telehealth, and telelearning that have been critical, but unavailable, to many during the pandemic.

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## 20. Additional Information

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

Label Additional Attachments as:

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

### Answer:

Required attachments provided.

### Attachments:

Map(s) of project area, including proposed infrastructure

Attachment1ProjectAreaMap9142021104609.pdf

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

Attachment2DocumentationofFederalFundingArea9142021104616.pdf

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

Attachment3RDOFAwardedAreasincludedinVATIApplication9142021104631.pdf

Documentation that proposed project area is unserved based on VATI criteria

Attachment4DocumentationUnservedAreaVATICriteria9142021104644.pdf

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Passings Form (Use template provided)

Attachment5PassingsForm9142021104656.pdf

Propagation Map if Wireless Project

Attachment6PropagationMapNA9142021104706.pdf

Timeline/Project Management Plan

Attachment7TimelineProjectManagementPlan9142021104717.pdf

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

Attachment8MOUMOAbetweenApplicantCoapplicant914202122102.pdf

Funding Sources Table (Use template provided)

Attachment9FundingSourcesTable9142021104733.pdf

Documentation of Match Funding

Attachment10DocumentationofMatchFunding914202122121.pdf

Letters of Support

Attachment11LettersofSupport9142021104756.pdf

Derivation of Cost/Project Budget (Use template provided)

Attachment12DerivationofCosts9142021104809.pdf

Documentation of Supporting Cost Estimates

Attachment13DocumentationofSupportingCostsEstimates914202112452.pdf

Two most recent Form 477 submitted to the FCC or equivalent

Attachment14TwomostrecentForm477submitted9142021104821.pdf

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

Attachment15PointandPolygonShapefiles914202113425.zip

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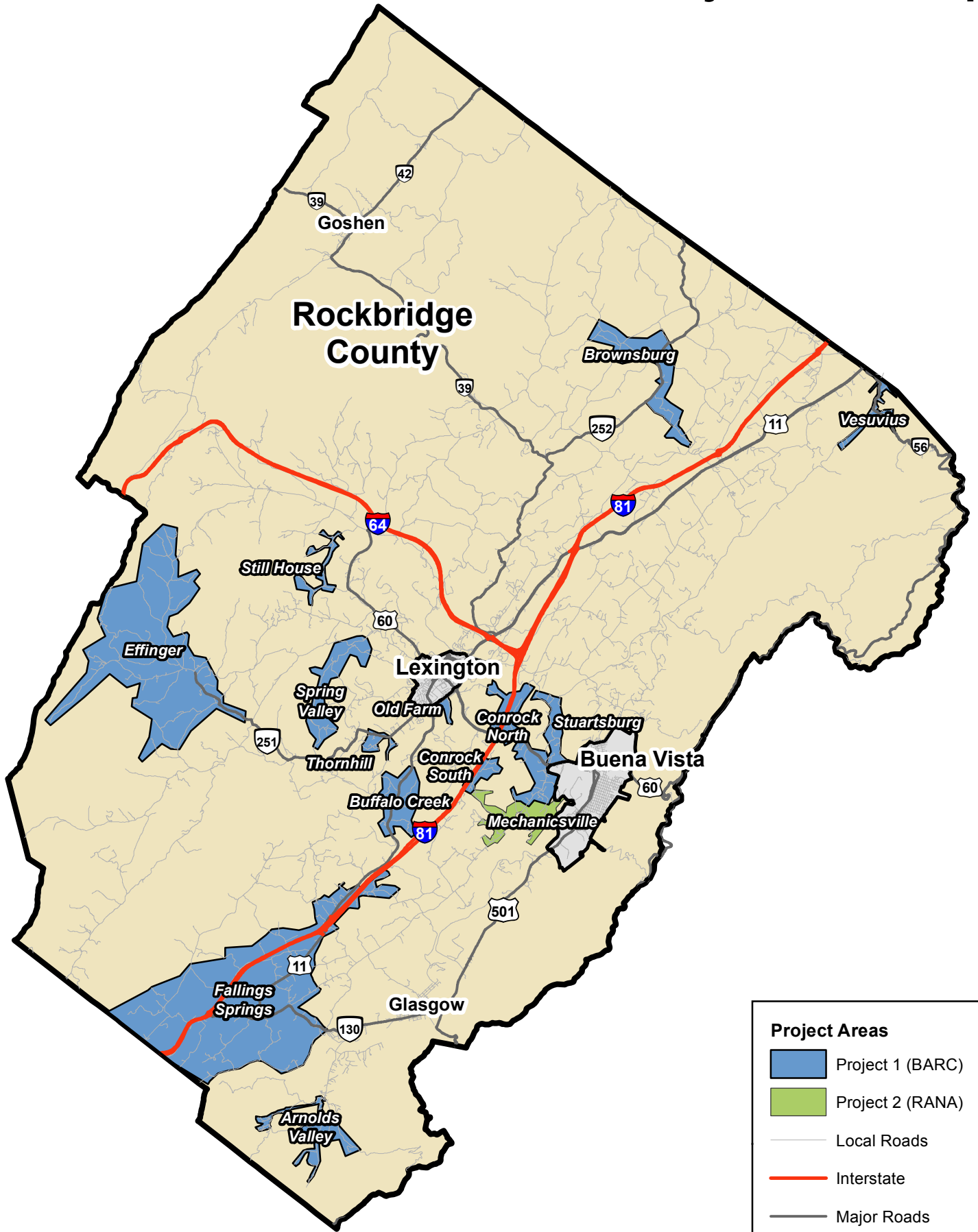
Rockbridge County 2022 Universal Broadband Project

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

Attachment16NANoWireless9142021110004.pdf

# Project Area Map



0 2 4 6 8 Miles

# Project Area Map - Arnold's Valley

Falling Springs  
Project Area

130

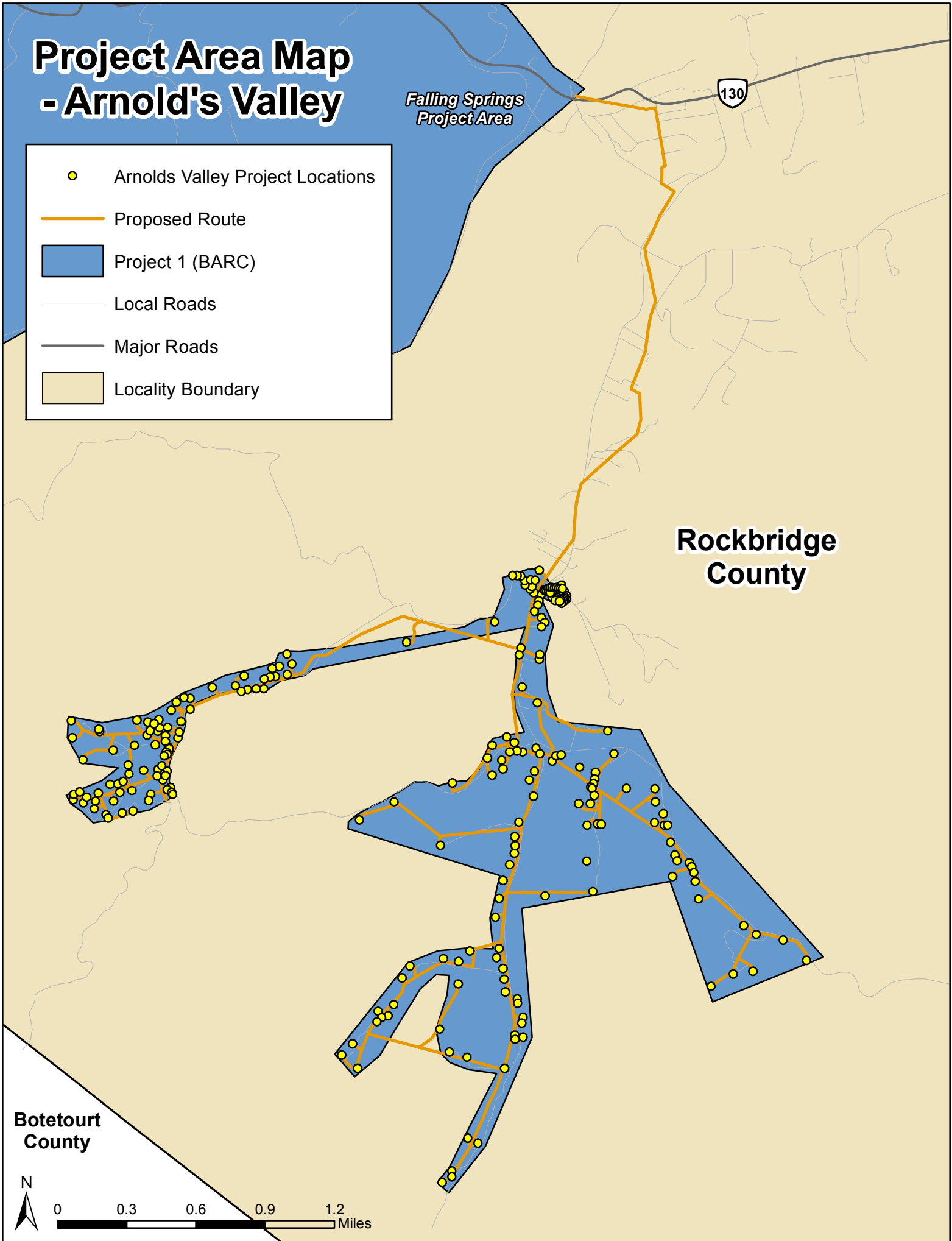
- Arnolds Valley Project Locations
- Proposed Route
- Project 1 (BARC)
- Local Roads
- Major Roads
- Locality Boundary

Rockbridge  
County

Botetourt  
County

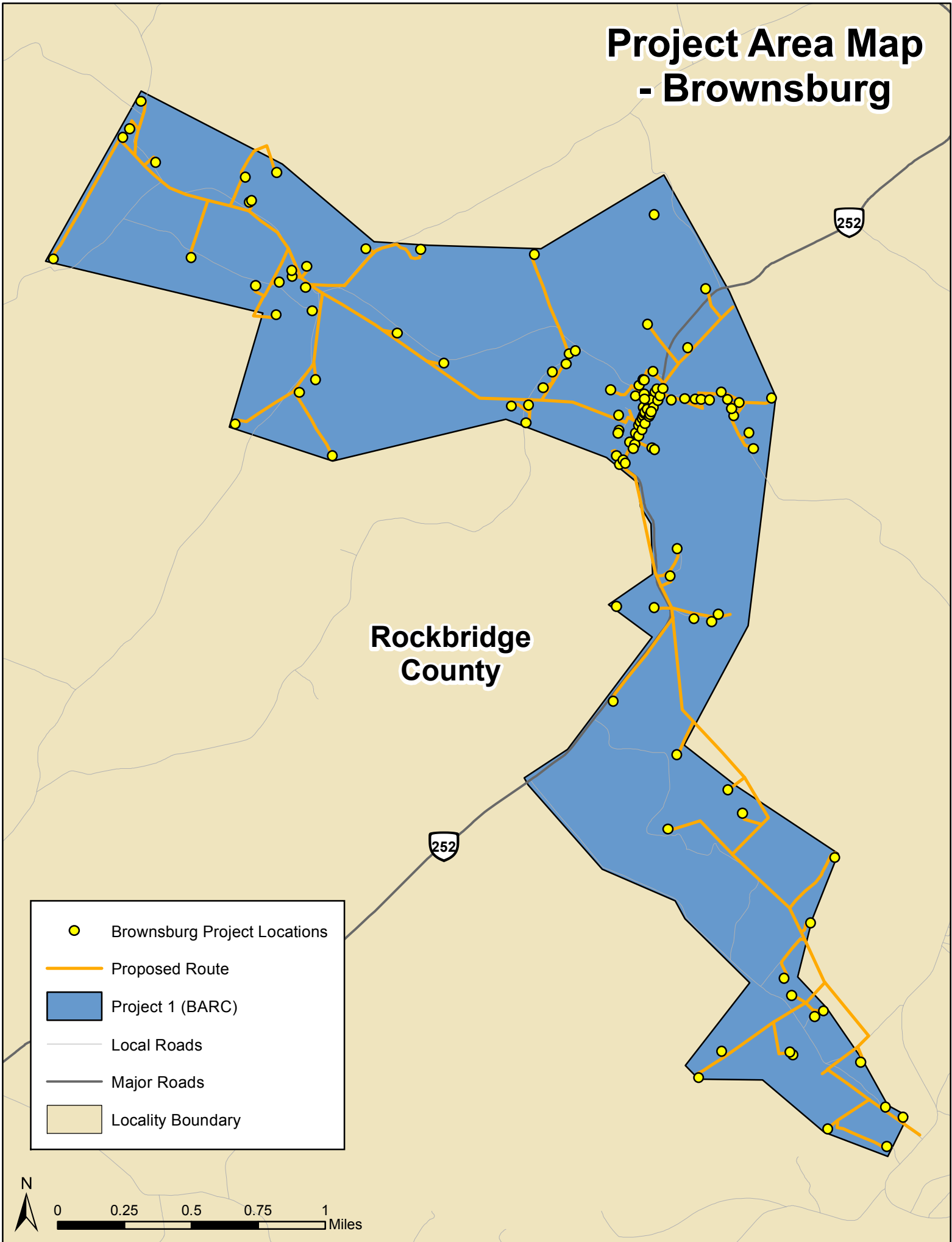


0 0.3 0.6 0.9 1.2 Miles

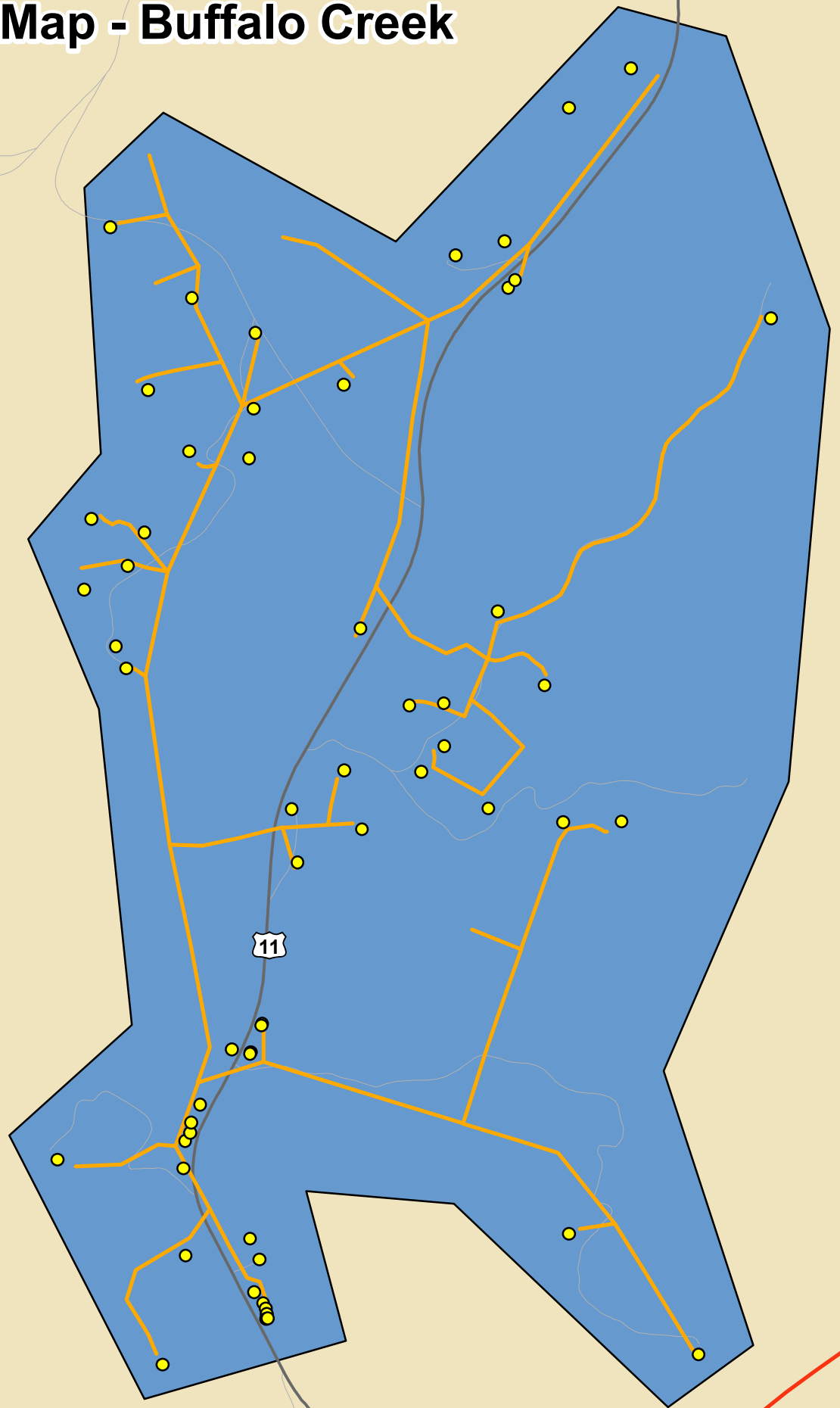
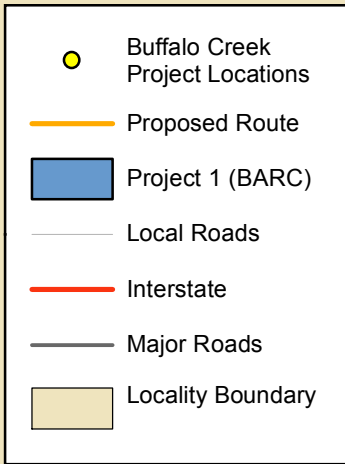




# Project Area Map - Brownsburg



# Project Area Map - Buffalo Creek



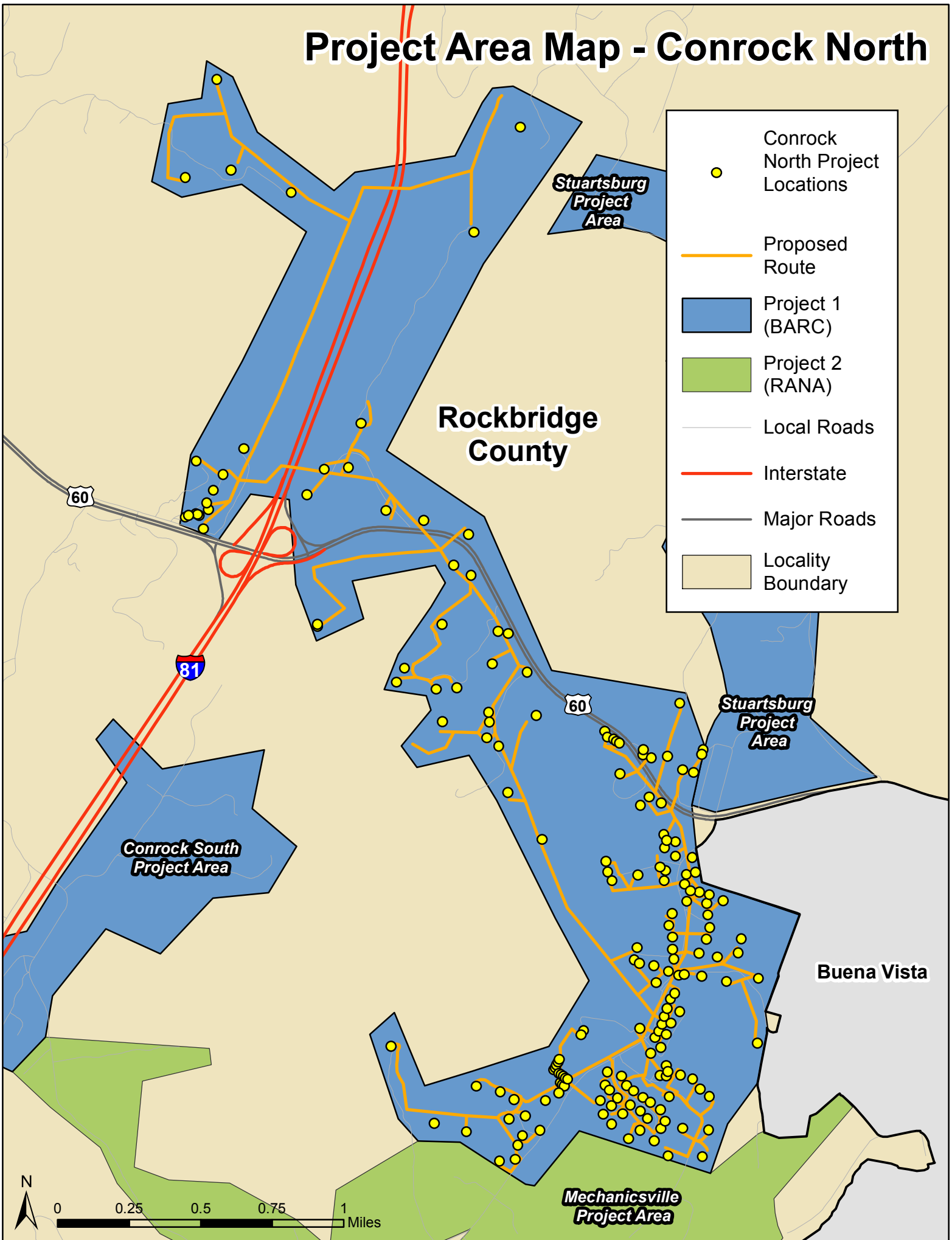
**Rockbridge  
County**



0 0.15 0.3 0.45 0.6 Miles



# Project Area Map - Conrock North

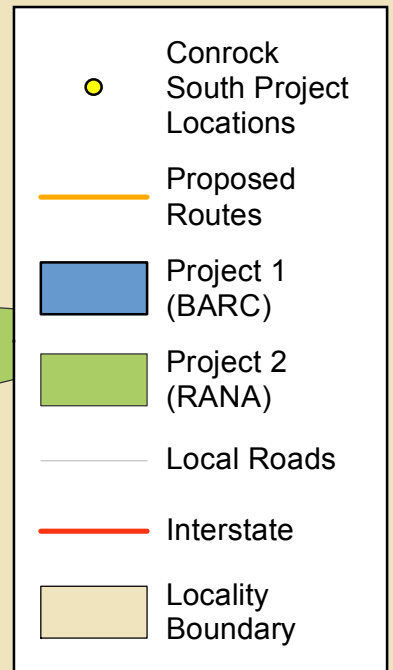


# Project Area Map - Conrock South

Rockbridge  
County

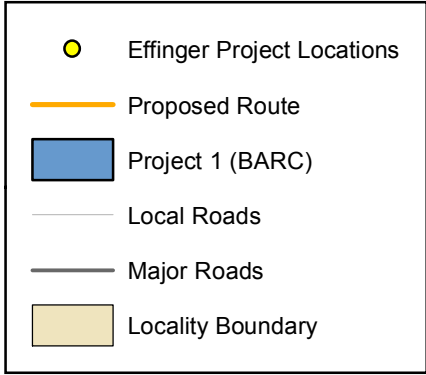
81

**Mechanicsville  
Project Area**



0 0.1 0.2 0.3 0.4 Miles

# Project Area Map - Effinger



**Alleghany  
County**

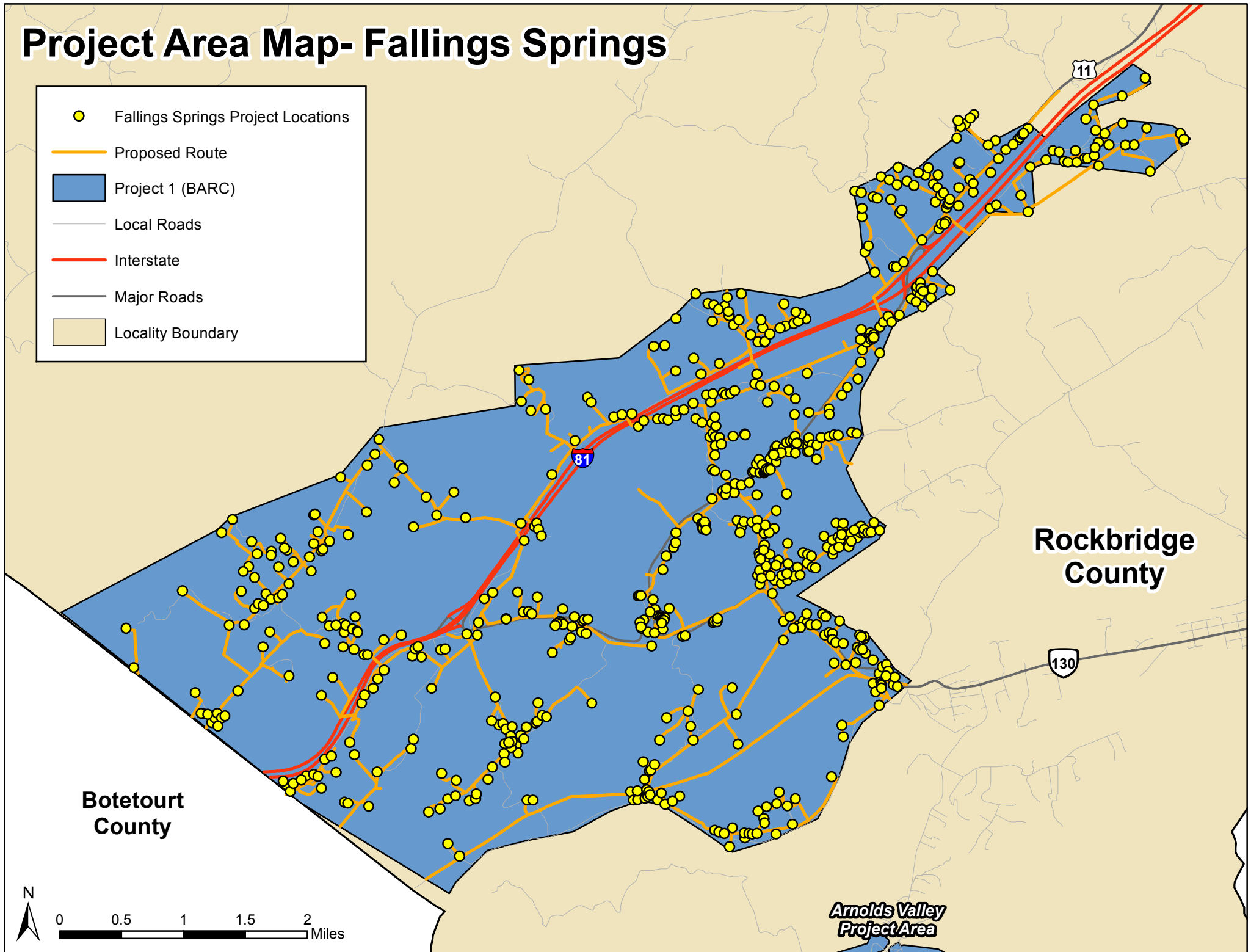
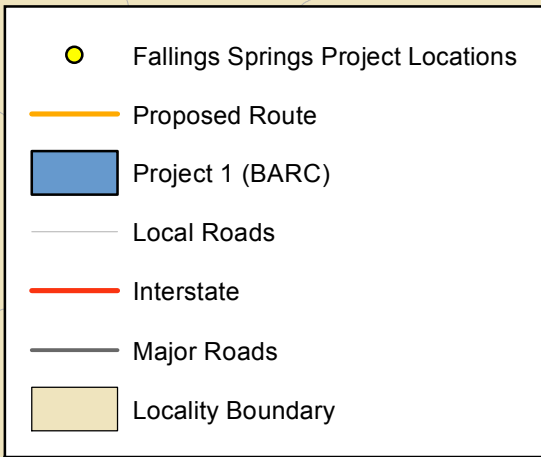
**Rockbridge  
County**

251



0 0.5 1 1.5 2 Miles

# Project Area Map- Fallings Springs



**Rockbridge  
County**

**Botetourt  
County**

**Arnolds Valley  
Project Area**









# Project Area Map - Old Farm

Lexington

60

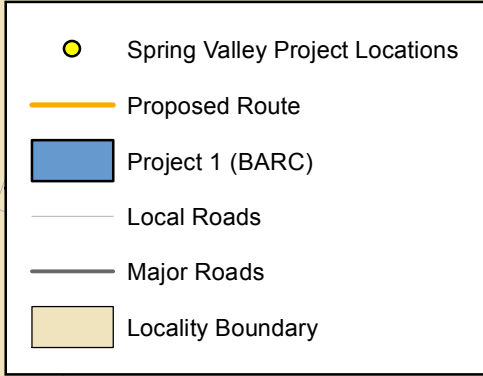
Rockbridge  
County

-  Old Farm Project Locations
-  Proposed Route
-  Project 1 (BARC)
-  Local Roads
-  Major Roads
-  Locality Boundary



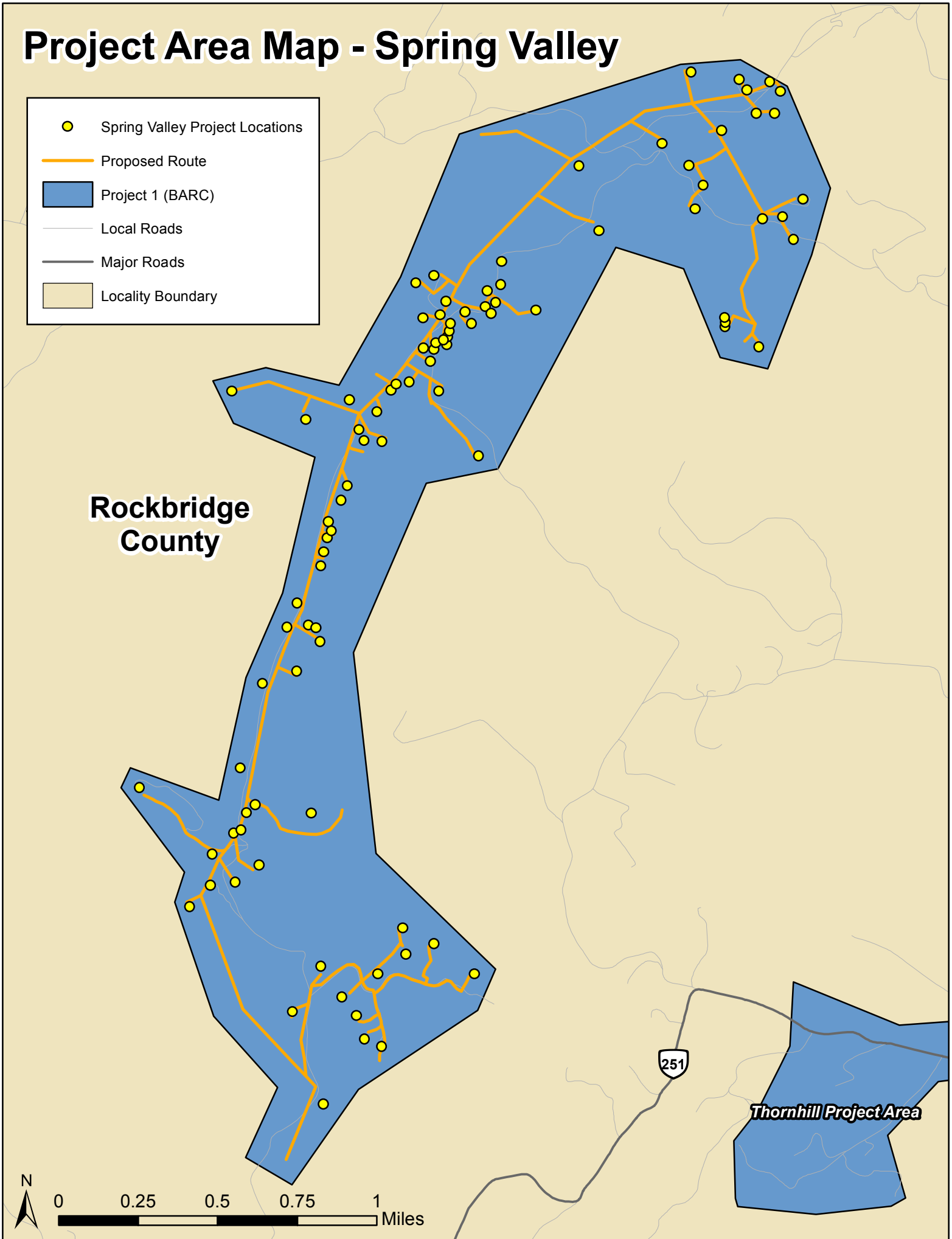
0 0.075 0.15 0.225 0.3 Miles

# Project Area Map - Spring Valley



**Rockbridge  
County**

**Thornhill Project Area**





# Project Area Map - Still House

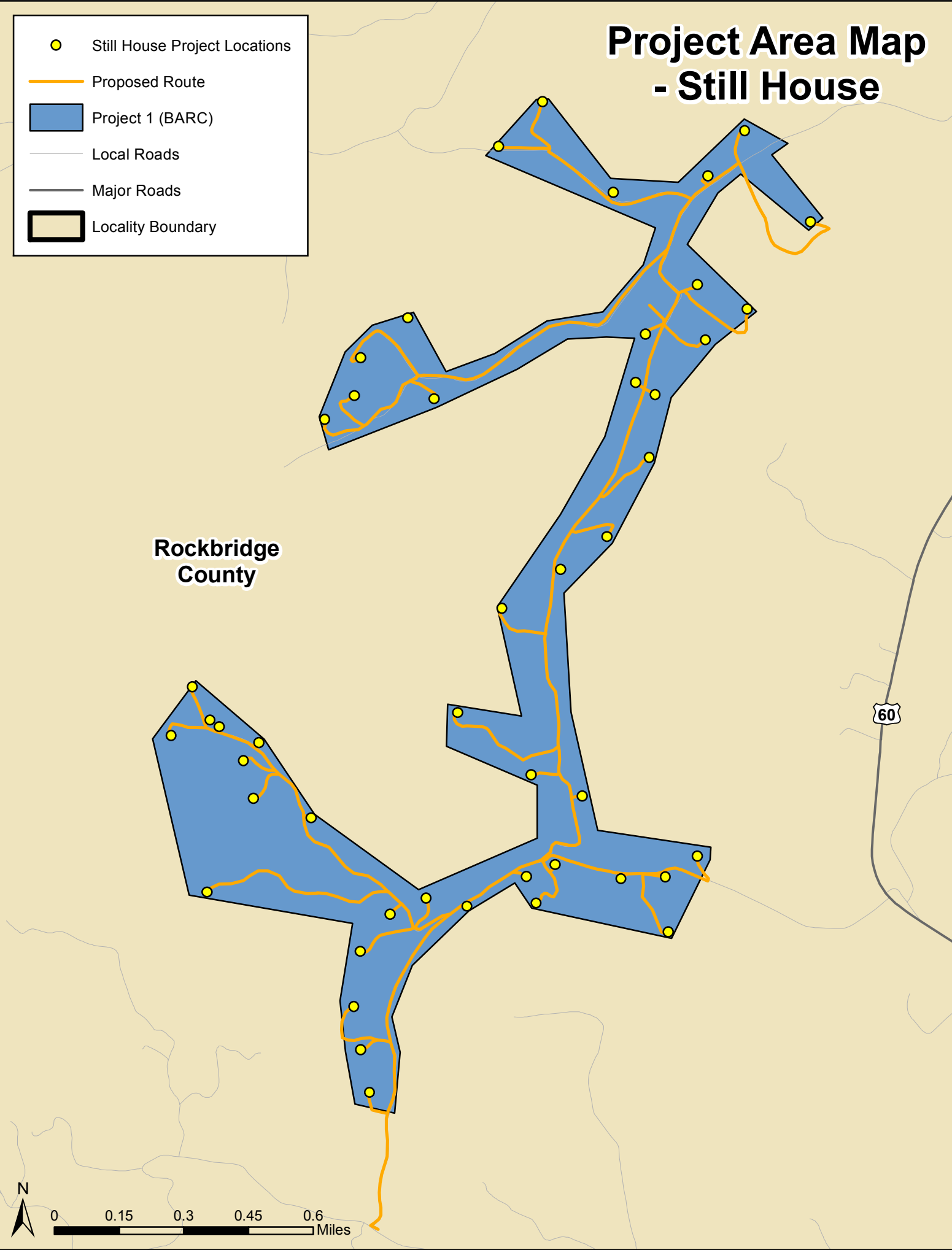
- Still House Project Locations
- Proposed Route
- Project 1 (BARC)
- Local Roads
- Major Roads
- ▭ Locality Boundary

Rockbridge  
County

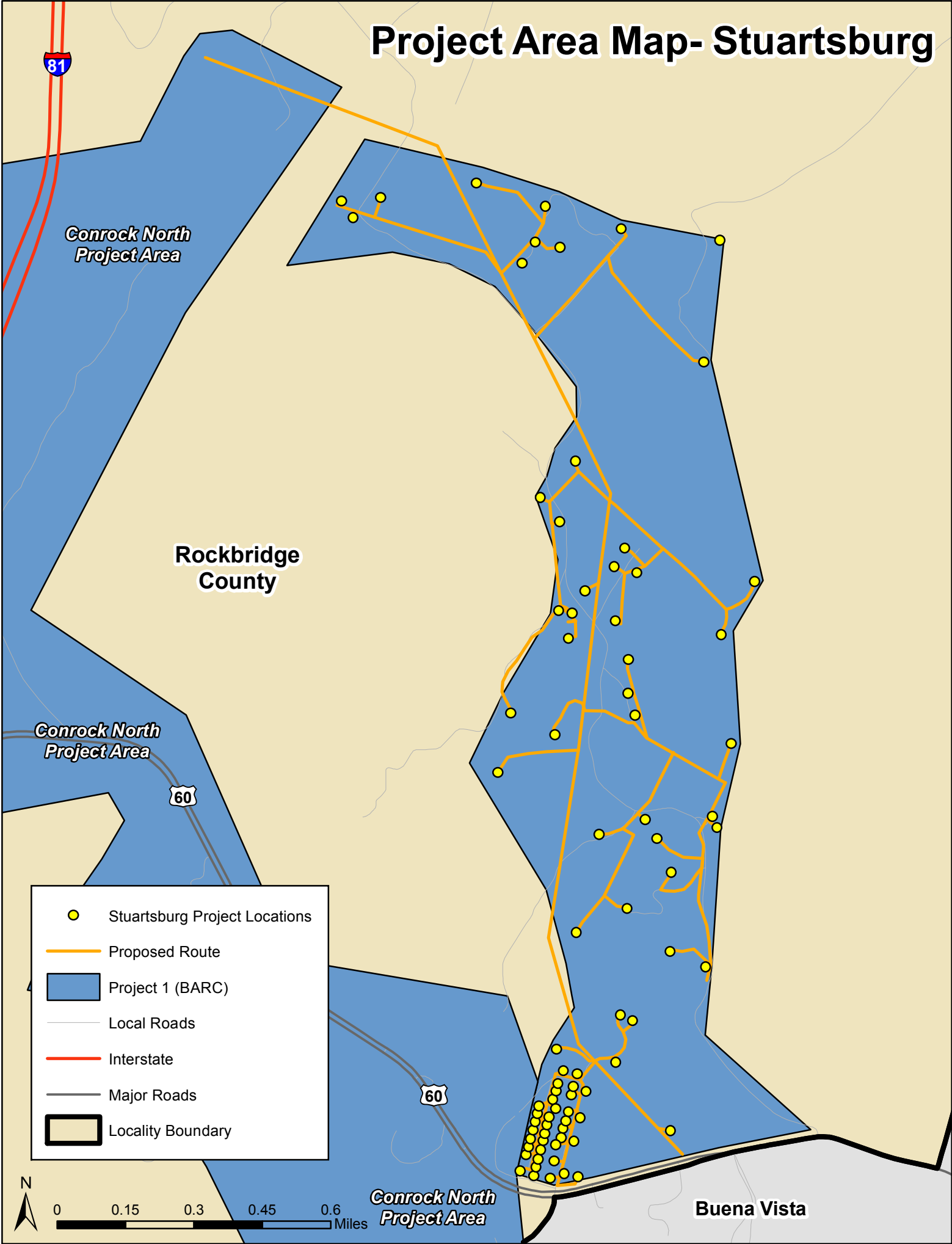
60



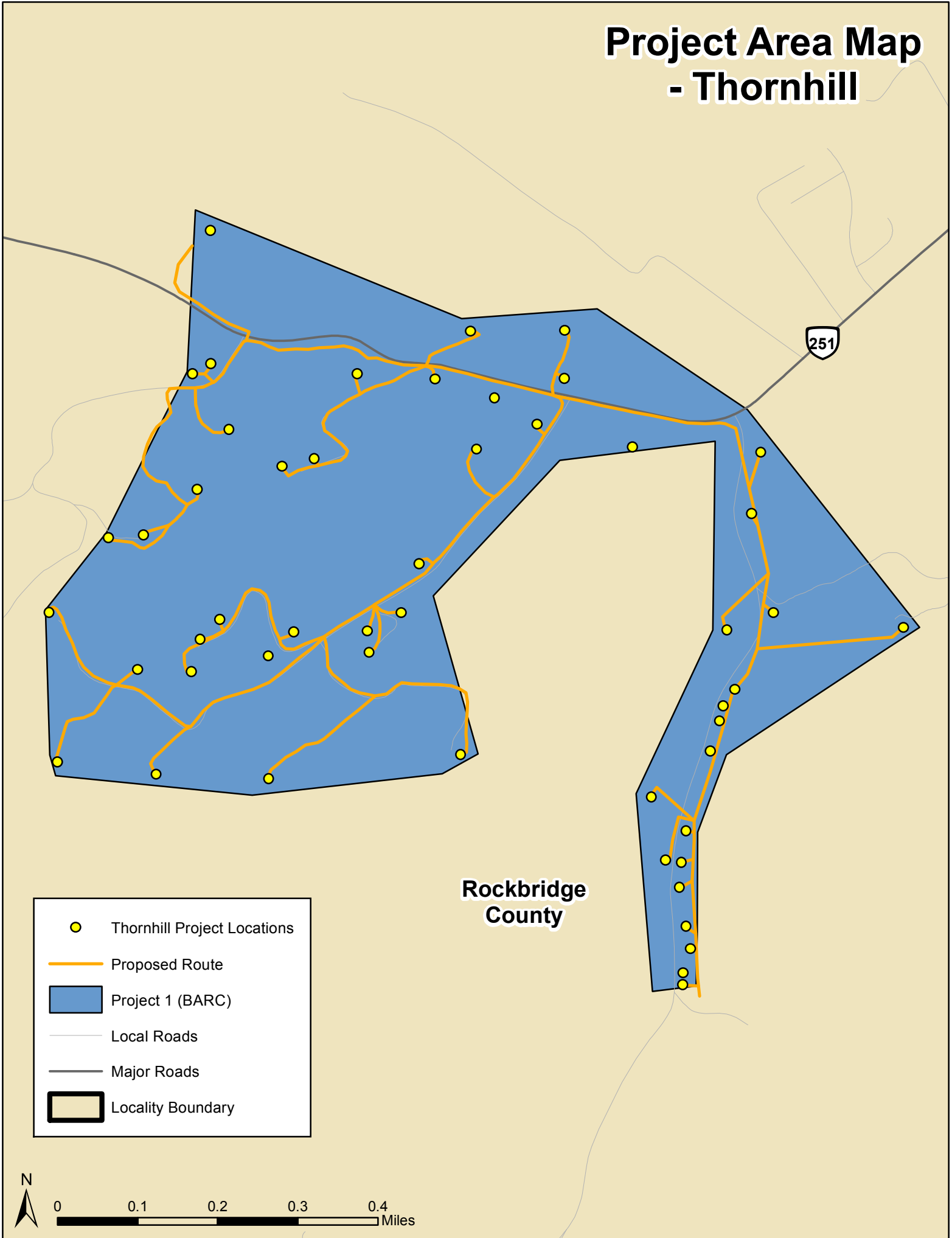
0 0.15 0.3 0.45 0.6 Miles



# Project Area Map- Stuartsburg



# Project Area Map - Thornhill



251

Rockbridge  
County

- Thornhill Project Locations
- Proposed Route
- Project 1 (BARC)
- Local Roads
- Major Roads
- ▭ Locality Boundary



0 0.1 0.2 0.3 0.4 Miles

# Project Area Map - Vesuvius

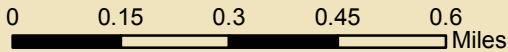
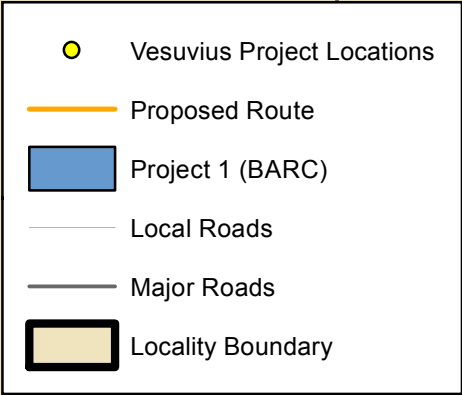
Augusta  
County

11

56

Rockbridge  
County

56



# Project Area Map- Mechanicsville

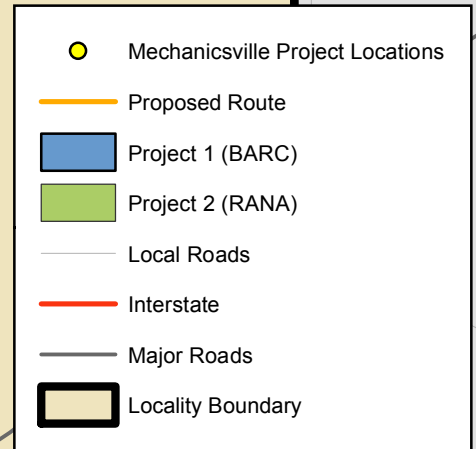
Conrock South  
Project Area

Conrock North  
Project Area

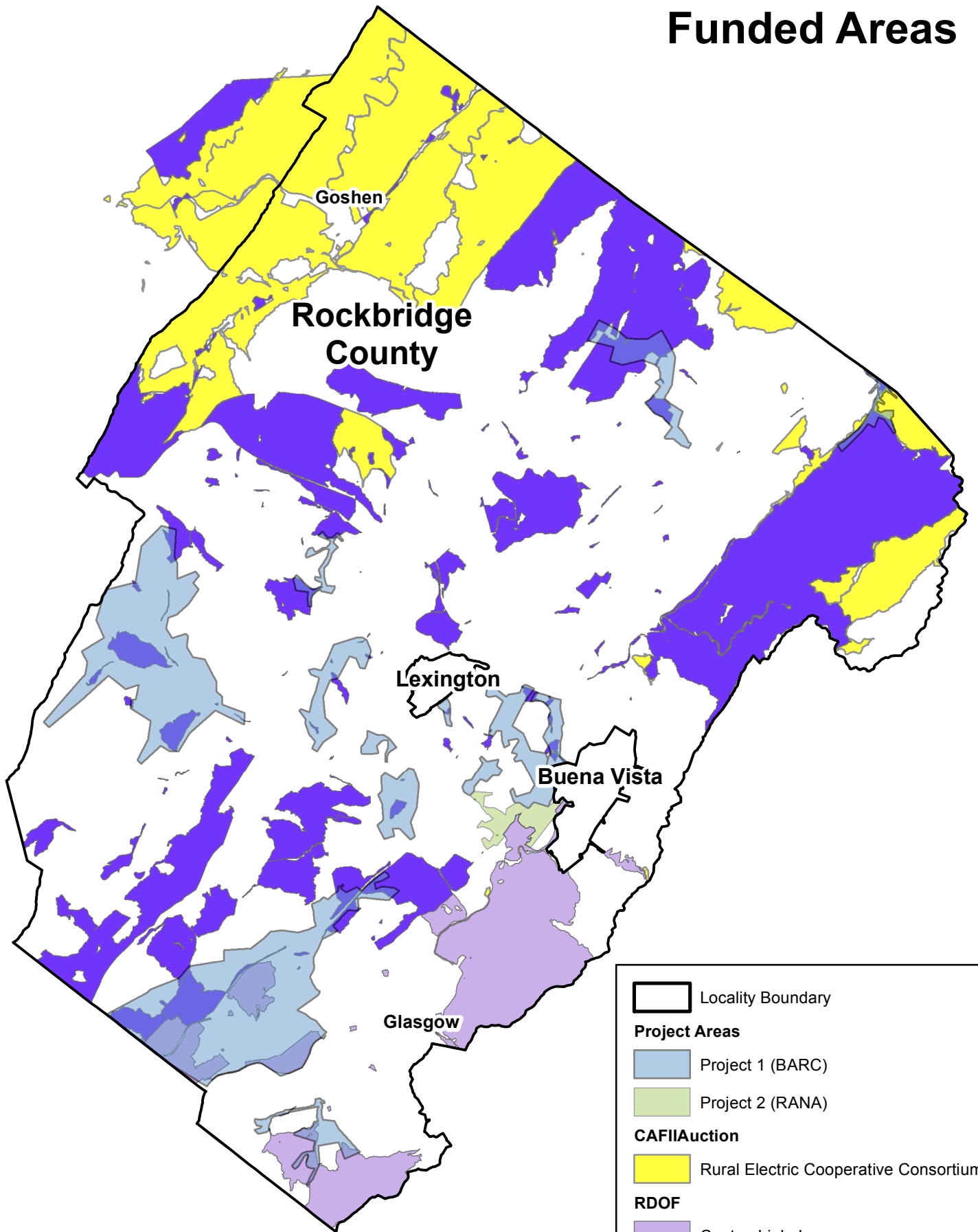
Buena Vista

Buena Vista

Rockbridge  
County



# RDOF and CAFII Funded Areas

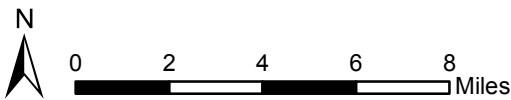


**Locality Boundary**  
[Black outline symbol]

**Project Areas**  
[Light blue symbol] Project 1 (BARC)  
[Light green symbol] Project 2 (RANA)

**CAFII Auction**  
[Yellow symbol] Rural Electric Cooperative Consortium

**RDOF**  
[Lavender symbol] CenturyLink, Inc.  
[Purple symbol] Co-op Connections Consortium



# 2022 Virginia Telecommunication Initiative (VATI) RDOF Passings Form

Type of Passings	Total Number of Passings in the Project Area that lie within Preliminarily Awarded RDOF Areas <sup>1</sup>
Residential	221
Businesses (non-home based)	0
Businesses (home-based)	0
Community Anchors	0
Non-residential	0
<b>Total Number of RDOF Passings</b>	<b>221</b>

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

## Definitions

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

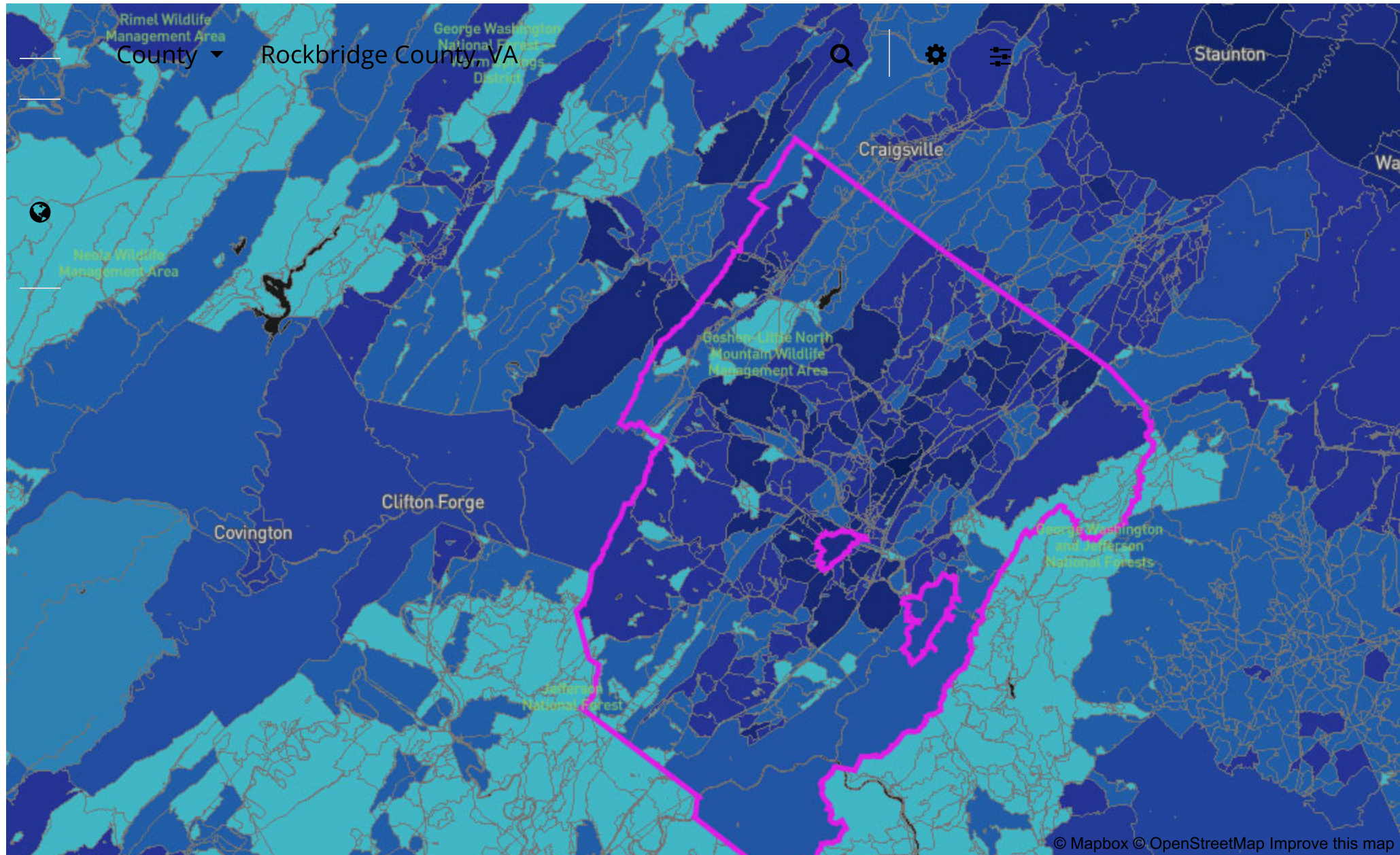
**Business** – An organization or entity that provides goods or services in order to generate profit. Businesses based in residential homes can count if they are a registered business (BPOL, LLC, etc.).

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

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



# Area Summary



## Rockbridge County, VA



### Number of Fixed Residential Broadband Providers





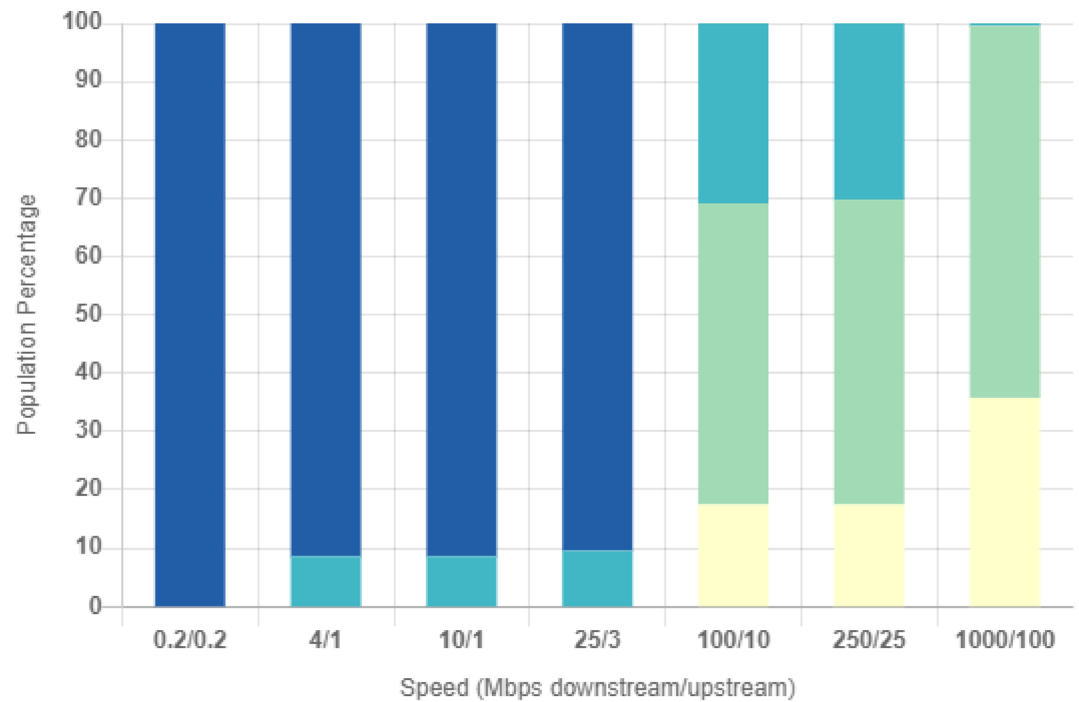


# Broadband

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

**Speed** ≥ 25/3 Mbps

**Date** June 2020 (latest public release)





# Virginia Broadband Availability Map and Integrated Broadband Planning and Analysis Toolbox



Home About Sponsors News

Rockbridge County

Show Results

Coverage Query Results

Provider	Technology	Consumer Download Speed	Consumer Upload Speed	Business Upload Speed	Business Download Speed
----------	------------	-------------------------	-----------------------	-----------------------	-------------------------

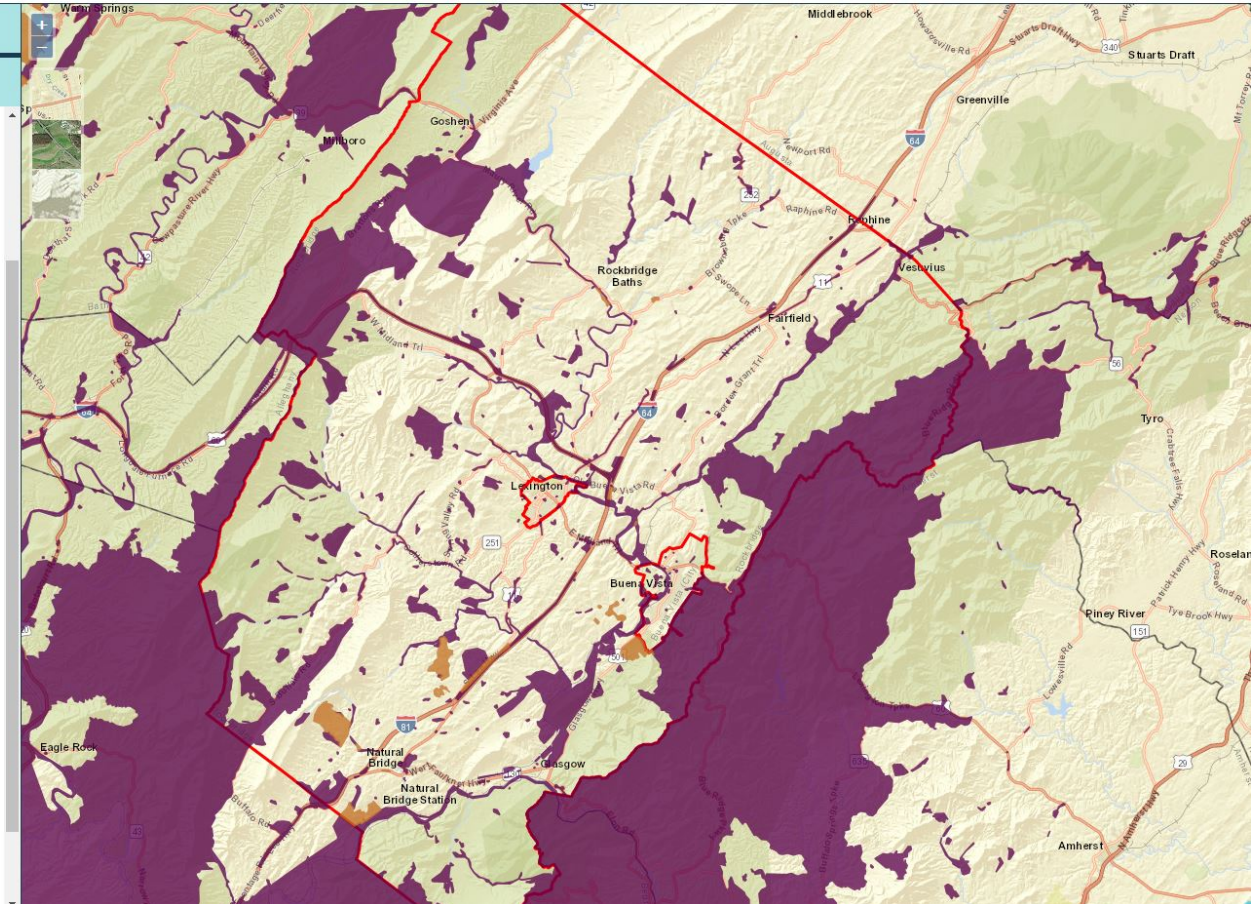
Va. Funding Query Results

County	Partner	Year	Award Amount	Units Contracted to Pass	Funding Program
--------	---------	------	--------------	--------------------------	-----------------

Broadband Layers

- Cable Wireline Coverage (June 2020)
- DSL/Copper Coverage (June 2020)
- Fiber Optic Coverage (June 2020)
- Fixed Wireless Coverage (June 2020)
- Mobile Wireless Coverage (Dec. 2018)
- 4G/LTE Wireless Coverage (Dec. 2018)
- Satellite Coverage (Dec. 2018)
- Virginia Telecommunication Initiative (VATI) Funding
- Tobacco Region Revitalization Commission (TRRC) Funding
- Underserved Areas (June 2020)  
Greater than 10 Mbps download and 1 Mbps upload and less than 25 Mbps download and 3 Mbps upload.
- Unserved Areas (June 2020)  
Below or equal to 10 Mbps download and 1 Mbps upload.
- No Residential Broadband Reported (June 2020)  
25 Mbps download and 3 Mbps upload.

- Other Layers
- Cities/Counties
  - Vertical Assets (updated daily)
  - 2010 Census Population
  - 0 - 71



## 2022 Virginia Telecommunication Initiative (VATI) Passing Form

Type of Passings	Total Number of Passings in the Project Area <sup>1</sup>	Passings in the Project Area, without Special Construction Costs Required <sup>2</sup>	Passings with Special Construction Costs budgeted in the Application <sup>3</sup>	Number of Passings with Speeds at 10/1 or below in Project Area <sup>4</sup>
Residential	1838	1838	0	0
Businesses (non-home based)	119	119	0	0
Businesses (home-based)	0	0	0	0
Community Anchors	0	0	0	0
Non-residential	0	0	0	0
<b>Total</b>	1957	1957		

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

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

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

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

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

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

## Definitions

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

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

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

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

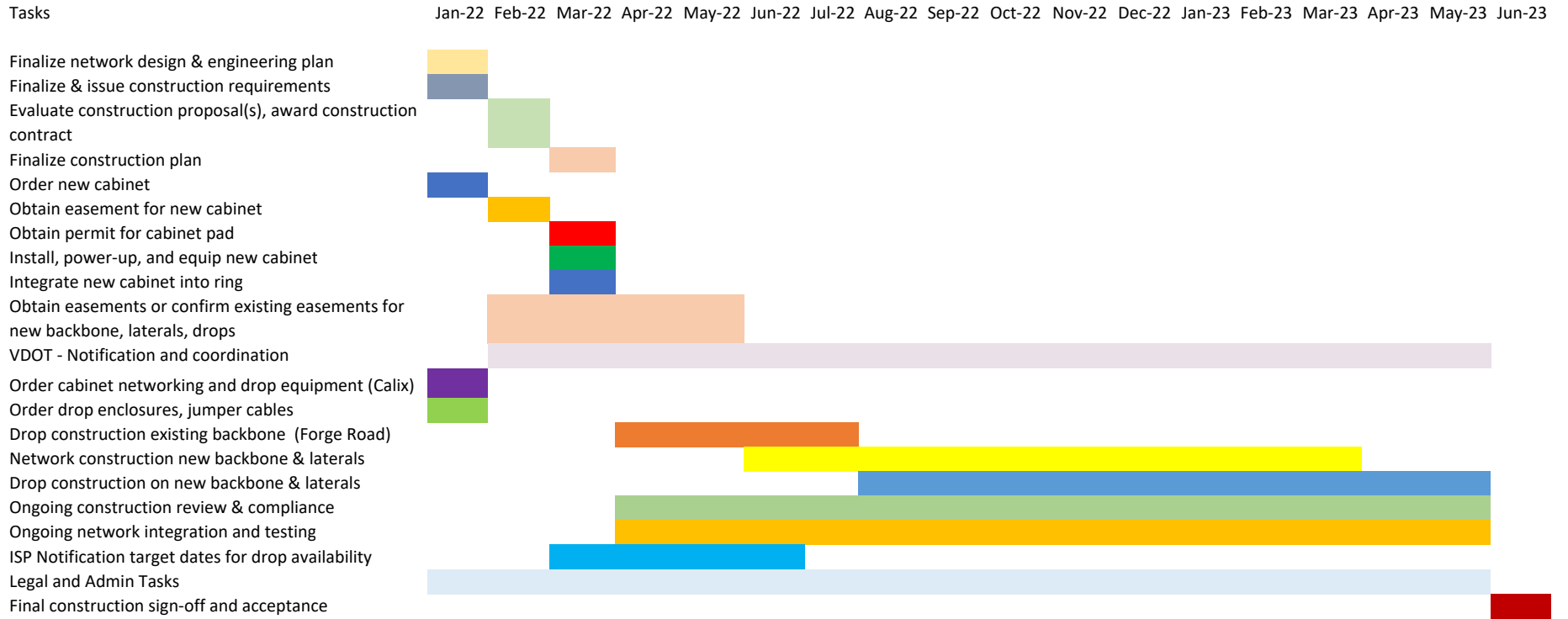
## **Attachment 6**

This project will not implement wireless infrastructure, so a propagation and heat map are not applicable.



# Project 2 (RANA)

## Project 2 Schedule



## VATI Applicant and Co-Applicant Agreement

This agreement is made on \_\_\_\_\_, \_\_\_\_\_ between **Rockbridge County Board of Supervisors, the Rockbridge County Economic Development Authority (collectively “Rockbridge County”)**, 150 South Main Street, Lexington, Virginia 24450 , **BARC Electric Cooperative / BARC Connects (BARC)**, 84 High Street, Millboro, Virginia 24460 (“BARC”) and the **Rockbridge AREA Network Authority (RANA)**, 150 South Main Street, Lexington, Virginia 24450.

### RECITALS:

- A. Whereas, the Department of Housing and Community Development (DHCD) will be implementing the 2022 Virginia Telecommunications Initiative (VATI) grant program; and
- B. Whereas, the primary objective of the VATI is to provide financial assistance to supplement construction costs by private sector broadband service providers, in partnership with local units of government to extend service to areas that presently are unserved by any broadband provider; and
- C. Whereas, applications must be submitted by a unit of government (Towns, Cities, Counties, EDA/IDA, Broadband/Wireless Authorities, Planning District Commissions, etc.) with a private sector provider(s) as a co-applicant; and
- D. Whereas, Rockbridge County, as the Applicant, has designated BARC and RANA as the co-applicants, and
- E. Whereas, Rockbridge County, BARC and RANA will partner for a grant application for the VATI grant program to serve areas in Rockbridge County.
- F. Whereas Rockbridge County, BARC and RANA will collaborate to leverage proposed middle-mile infrastructure to extend broadband internet to unserved populations throughout the County.

NOW, therefore, the parties agree that they will uphold the following

responsibilities:

Rockbridge County :

- 1. Rockbridge County, through an agreement with the Central Shenandoah Planning District Commission (CSPDC) will act as fiscal agent for the project and maintain accurate records of the financial expenditures of the VATI monies, including, but not limited to financial reports, monthly funding draws; approval of BARC and RANA expenditures and invoices, documentation of matching funds, distribution of funds, etc.; and
- 2. Through an agreement with Rockbridge County, the CSPDC will provide overall grant management of the VATI project and provide coordination and administration of the project by working as a liaison between the County, BARC, RANA and DHCD.
- 3. Through an agreement with Rockbridge County, the CSPDC will provide assistance with GIS mapping and project performance reporting.



BARC:

1. Will provide the required information for the management of the VATI grant, including, but not limited to progress reports and monthly invoices; and
2. Will provide the required documents to the County for zoning and permit applications; and
3. Will design, engineer, construct and implement broadband services as designated in the VATI application by the grant deadline, and
4. Will coordinate planning, engineering, and construction with RANA and Dominion Energy, and
5. Will guarantee that the standard bandwidth offerings for the project meet the minimum speed requirements set by DHCD's VATI program.

RANA:

1. Will provide the required information for the management of the VATI grant, including, but not limited to progress reports and monthly invoices; and
2. Will provide the required documents to the County for zoning and permit applications; and
3. Will design, engineer, construct and implement broadband services as designated in the VATI application by the grant deadline, and
4. Will coordinate planning, engineering, and construction with BARC.
6. Will guarantee along with BARC that the standard bandwidth offerings for the project meet the minimum speed requirements set by DHCD's VATI program.

This agreement will terminate when DHCD notifies the Rockbridge County that all grant requirements have been satisfied.

Witness the following authorized signatures on behalf of the parties:

\_\_\_\_\_  
Date

By: \_\_\_\_\_  
Spencer Suter  
Administrator, Rockbridge County

\_\_\_\_\_  
Date

By: \_\_\_\_\_  
Michael Keyser  
CEO, BARC

\_\_\_\_\_  
Date

By: \_\_\_\_\_  
Valeri Jacoutot  
Executive Director  
Rockbridge Area Network Authority

VATI FUNDING SOURCES TABLE - Project 1 (BARC)

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

Source	Amount	%	Status
REQUESTED VATI	\$ 8,450,000	49%	Pending
BARC MATCH (COMBINATION OF RUS AND CFC LOANS)*	\$ 8,918,575*	51%	PENDING
	\$		
	\$		
	\$		
	\$		
	\$		
<b>TOTAL</b>	<b>\$17,368,575</b>	<b>100%</b>	

\*A portion of the matching funds is expected to be provided by Dominion for middle-mile construction in some project areas.

VATI FUNDING SOURCES TABLE - Project 2 (RANA)

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

Source	Amount	%	Status
Requested VATI	\$2,400,750	55%	Pending
Rockbridge County	\$1,964,250	45%	Committed
<b>Total</b>	<b>\$4,365,000</b>	<b>100%</b>	

Attachment 9 – Funding Sources Table (Project 2) documents the cash match and in-kind resources from the co-applicant (Rockbridge Area Network Authority). Attachment 10 Documentation of matching Funding (Project 2) outlines that Rockbridge County is committed to a cash match for Rockbridge Area Network authority totaling \$1,964,250. These funds will be used for activities including equipment purchases, contractual services, outside plant materials, and fiber construction, among other items for the identified project area to unserved homes and businesses. These matching funds have been allocated from Rockbridge County’s ARS funds. Rockbridge County’s matching funds will be used towards the listed items above to provide service to both unserved homes and businesses and additional potential addresses passed during the construction of this project.



P.O. Box 264  
Millboro, VA 24460-0264  
1 (800) 846-BARC

September 8, 2021

Ms. Tamarah Holmes, Ph.D.  
Associate Director  
Project Management Office  
Virginia Department of Housing &  
Community Development  
600 East Main Street, Suite 300  
Richmond, Virginia 23219

RE: Match Certification

Dear Tamarah:

It is anticipated that some of the project areas will be built in partnership with Dominion Energy (DOM) (through their middle mile utility leverage program) and that ultimately the matching funds to the VATI funding will be provided through a combination of construction activities of both BARC and Dominion. That said, should Dominion not participate in fiber construction in the anticipated project areas, I am writing to confirm BARC's financial commitment of \$8,918,575 for all of the BARC Electric broadband project areas. These matching funds have been allocated in BARC's current budget and any unspent funds will be carried forward into future fiscal years as necessary. Our matching funds represent 51% of the total project cost.

Activities that will be paid for with these funds include equipment purchases, contractual services, outside plant materials, and fiber construction, among other things. Please feel free to contact me with any additional questions you may have about the BARC/DOM matching funds, or the project, in general.

Warm Regards,

Michael Keyser  
Chief Executive Officer



P.O. Box 264  
Millboro, VA 24460-0264  
1 (800) 846-BARC

September 13, 2021

Dr. Tamarah Holmes, Ph.D.  
Virginia Department of Housing  
& Community Development  
600 E. Main Street, Suite 300  
Richmond, VA 23210

Re: Letter of Support for Rockbridge County 2022 VATI Application

Dear Dr. Holmes:

BARC Electric Cooperative is pleased to support and partner on Rockbridge County's 2022 Virginia Telecommunication Initiative ("VATI") application as a co-applicant and Internet Service Provider for the project.

In line with the Governor's universal broadband initiative in the Commonwealth of Virginia, Rockbridge County proposes to partner with BARC Electric Cooperative, Dominion Energy and the Rockbridge Area Network Authority to develop and implement last mile fiber to approximately 2,200 homes and businesses in the unserved areas of the County. This project will provide critical broadband services that will enhance the quality of life and help stimulate the economy in this rural region.

Furthermore, let this letter confirm that if VATI funding requested in this application is awarded, BARC is committing to make investments (matching funds) up to \$8,918,575 depending on the match provided through the engineering, design and construction of the Dominion middle-mile construction portion of certain project areas.

Please be assured of BARC's complete support of this application and of our appreciation for your consideration.

Warm Regards,

Michael Keyser  
Chief Executive Officer



[www.co.rockbridge.va.us](http://www.co.rockbridge.va.us)

SPENCER H. SUTER  
County Administrator  
Office: (540) 463-1460  
Fax: (540) 463-4346  
[ssuter@rockbridgcountyva.gov](mailto:ssuter@rockbridgcountyva.gov)

# County of Rockbridge

Office of the County Administrator

150 South Main Street  
Lexington, Virginia 24450

County Board of Supervisors

LESLIE E. AYERS  
Buffalo  
Magisterial District

DANIEL E. LYONS  
Kerrs Creek  
Magisterial District

DAVID B. MCDANIEL  
Natural Bridge  
Magisterial District

R. W. DAY  
South River  
Magisterial District

A.J. "JAY" LEWIS, II  
Walkers Creek  
Magisterial District

September 13, 2021

Dr. Tamarah Holmes, Ph.D.  
Virginia Department of Housing  
& Community Development  
600 E. Main Street, Suite 300  
Richmond, VA 23210

Re: Letter of Commitment for Rockbridge County 2022 VATI Application

Dear Dr. Holmes:

On behalf of the Rockbridge County Board of Supervisors, I am happy to submit the 2022 Virginia Telecommunication Initiative ("VATI") application to achieve universal broadband coverage in Rockbridge County.

In line with the Governor's universal broadband initiative in the Commonwealth of Virginia, Rockbridge County proposes to partner with BARC Electric Cooperative / BARC Connects (BARC), Dominion Energy, and the Rockbridge Area Network Authority to develop and implement last mile fiber to approximately 2,400 homes and businesses in the unserved areas of the County. This project will provide critical broadband services that will enhance the quality of life and help stimulate the economy in this rural region.

Let this letter confirm that the Rockbridge County Board of Supervisors has approved \$1,964,250 in local American Rescue Program Funds to match the VATI funds in this application.

Furthermore, if VATI funding requested in this application is awarded, co-applicants BARC and Rockbridge Area Network Authority are collectively committing to make investments representing no less than 45% of the total cost of this project.

Please be assured of Rockbridge County's complete support of this application and our appreciation for your consideration of this request.

Sincerely,

Spencer Suter  
Rockbridge County Administrator

September 14, 2021

Dr. Tamarah Holmes, Ph.D.  
Virginia Department of Housing  
& Community Development  
600 E. Main Street, Suite 300  
Richmond, VA 23210

Re: Letter of Support for Rockbridge County 2022 VATI Application

Dear Dr. Holmes:

The Rockbridge Area Network Authority (RANA) is pleased to support and partner on Rockbridge County's 2022 Virginia Telecommunication Initiative ("VATI") application as a co-applicant and Internet Service Provider for the project.

In line with the Governor's universal broadband initiative in the Commonwealth of Virginia, Rockbridge County proposes to partner with BARC Electric Cooperative and the Rockbridge Area Network Authority to develop and implement last mile fiber to approximately 2,400 homes and businesses in the unserved areas of the County. This project will provide critical broadband services that will enhance the quality of life and help stimulate the economy in this rural region.

Furthermore, let this letter confirm that if VATI funding requested in this application is awarded, RANA is committed to maximizing Rockbridge County's investment of \$1,964,250 towards the project to further extend carrier class broadband to County businesses and residents.

Please be assured of RANA's complete support of this application and of our appreciation for your consideration.

Sincerely,



Valeri Jacoutot  
RANA Executive Director





September 9, 2021

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

RE: 2022 VATI Applications from BARC Connects

Dear Ms. Holmes:

Dominion Energy Virginia ("Dominion") is pleased to be a party to a Memoranda of Understanding with BARC Connects, BARC Electric Cooperative, and the County of Rockbridge (a "Participating County").

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

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

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

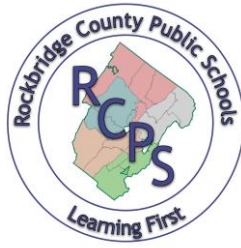
Sincerely,

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

David F. Walker  
Director, Rural Broadband



Phillip Thompson, Ed.D.  
Division Superintendent



Timothy J. Martino, M.Ed.  
Assistant Superintendent

August 31, 2021

Dr. Tamara Holmes, Ph.D.  
Office of Broadband  
VA Department of Housing and Community Development  
600 E. Main Street, Suite 300  
Richmond, VA 23210

RE: Rockbridge County 2022 VATI Application

Dear Dr. Holmes,

Without reservation, please accept this letter as endorsement of Rockbridge County's VATI application to increase internet availability to currently unserved homes throughout Rockbridge County.

Online access for students, teachers, and parents has never been more critical for Rockbridge County. As the pandemic introduces wider-scale distance learning for students and work-from-home for teachers, our rural, dispersed population in Rockbridge County continues to struggle with spotty and unreliable internet coverage, especially in far reaches of the county. The current opportunity outlined in this application to leverage the networks to be installed by BARC Connects and the Rockbridge Area Network Authority represents a significant step forward in addressing the digital divide that impedes educational access in Rockbridge County.

Please be assured of Rockbridge County Public School's complete support of this application, and, on behalf of the students, teachers, and parents, of our appreciation for your consideration.

Sincerely,

A handwritten signature in cursive script that reads 'Phillip Thompson'.

Phillip Thompson, Ed.D.  
Division Superintendent  
Rockbridge County Public Schools



August 30, 2021

Dr. Tamarah Holmes, Ph.D.  
Office of Broadband  
Virginia Department of Housing and Community Development  
600 E. Main Street, Suite 300  
Richmond, VA 23210

RE: Rockbridge County 2022 VATI Application

Dear Dr. Holmes,

On behalf of our Board of Directors, I am writing in support of Rockbridge County's 2022 VATI application to provide universal broadband to the many unserved homes and businesses throughout Rockbridge County.

Business growth in the region depends on reliable, universal internet access, which is not yet widely available throughout Rockbridge County. Many businesses in the County are home-based businesses, located in 'last-mile' zones that are targeted for coverage in this application. Broadband is essential to strengthening our small businesses, diversifying our economy, and creating and retaining jobs in Rockbridge, Lexington, and the Buena Vista region.

The Chamber of Commerce Serving Lexington, Buena Vista and Rockbridge County is happy to endorse this application in the hope that its implementation will bolster business growth and community and economic development in Rockbridge County.

Sincerely,

A handwritten signature in cursive script that reads 'Tracy E. Lyons'.

Tracy E. Lyons  
Executive Director

CDBG Derivation of Cost - Project 1 (BARC)

Item #	Product	Total	VATI	Non-VATI	Source of Estimate	Date
1	Access equipment (OLT cabinets, rectifiers, GPON shelves, GPON cards, optics)	\$ 75,690	\$ -	\$ 75,690	BARC actual costs for ODC-200 with Calix E7	8/27/2021
2	Customer premise equipment, and materials and labor for in-home installations (indoor ONTs, inside wiring, terminators, CAT-6 cabling, contractor labor)	\$ 378,760	\$ -	\$ 378,760	BARC actual costs	8/27/2021
3	Right-of-way clearing	\$ 1,000,000	\$ -	\$ 1,000,000	BARC estimate based on current ROW spending (\$10k per mile, 100 miles)	8/27/2021
4	Fiber engineering and construction (includes make-ready engineering, make-ready construction, fiber design, and contractor construction labor and materials)	\$ 13,189,125	\$ 8,400,000	\$ 4,789,125	BARC actual costs	8/27/2021
5	Service drop construction, commercial (includes fiber and mounting hardware to building exterior)	\$ 200,000	\$ -	\$ 200,000	BARC actual costs	8/27/2021
6	Service drop construction, residential (includes fiber and mounting hardware to building exterior)	\$ 1,800,000	\$ -	\$ 1,800,000	BARC actual costs	8/27/2021
8	Contingency for cost overruns, unknown/unforeseen costs, rock adders, etc.	\$ 675,000	\$ -	\$ 675,000	BARC estimate (5%)	8/27/2021
9	Grant Administration	\$ 50,000	\$ 50,000	\$ -	CSPDC quote	8/27/2021
	<b>Total</b>	<b>\$ 17,368,575</b>	<b>\$ 8,450,000</b>	<b>\$ 8,918,575</b>		

Derivation of Costs - Project 2 (RANA)

Item #	Product	Total	VATI	Non-VATI	Source of Estimate	Date
1	Access equipment	\$90,497	\$90,497	\$0	Calix, Wide Open Networks	
2	Customer premise equipment, and materials and labor for in-home installations					
3	Right-of-way clearing					
4	Fiber engineering and construction	\$2,852,908	\$1,096,328	\$1,756,580	Fiber construction vendor, Wide Open Networks	
5	Service drop construction, commercial (includes fiber and mounting hardware to building exterior)					
6	Service drop construction, residential (includes fiber and mounting hardware to building exterior)	\$1,103,925	\$1,103,925	\$0	Fiber construction vendor, Wide Open Networks	
7	Misc. additional project management fees (inspectors, PE signatures)	\$110,000	\$110,000	\$0	Wide Open Networks	
8	Contingency for cost overruns, unknown/unforeseen costs, rock adders, etc.	\$207,670	\$0	\$207,670	5 of % total project cost	
9	Grant Administration					
	<b>Total</b>	<b>\$4,365,000</b>	<b>\$2,400,750</b>	<b>\$1,964,250</b>		

## DERIVATION OF COSTS ITEM 1

ACCESS EQUIPMENT (OLT, CABINETS,  
RECTIFIERS, GPON SHELVES, OPTICS, CARDS)



# Purchase Request Form

Vendor Name:	Calix
Contact:	Kevin Fisher
Address 1:	1035N. McDowell Blvd
Address 2:	
City/State/Zip:	Petaluma, CA 94954
Telephone/Fax/E-Mail:	707-766-3164
Web/E-Mail:	om@calix.com

DESCRIPTION OF ITEM PURCHASED						
Quantity	Vendor Material #	BARC Material #	Basic Description	Unit Price	Total	
0	100-05148	6506	GPON SFP OIM 20Km	\$ 425.00	\$ -	
0	100-05170	6542	716GE-I ONT	\$ 175.00	\$ -	
0	100-05161	6553	716GE Outdoor ONT	\$ 215.00	\$ -	
0	000-00951	6556	803G GigaPoint ONT W/ Type A Power Adapter	\$ 85.00	\$ -	
1000	000-00844	6550	844G GigaCenter W/ Type A Power Adapter	\$ 192.93	\$ 192,930.00	
	100-00997	6554	UPS SFU Outdoor 12V 7.2AH 24W	\$ 87.00	\$ -	
	100-02042	6195	PS 700GE-I Indoor 12V Type A Power Cord	\$ 12.00	\$ -	
0	100-01830	6198	E7-2 Field Install Kit	\$ 33.00	\$ -	
0	100-01449	6512	E7-2 Shelf	\$ 237.00	\$ -	
0	100-03656	6508	E7-2 GPON-4 r2	\$ 7,197.00	\$ -	
0	100-01903	6502	SFP+ 20KM 1310nm LC	\$ 748.75	\$ -	
0	100-03590		E7-2 Fan Tray Assembly	\$ 327.00	\$ -	
			Extended Warranties	\$ -	\$ -	
			Shipping, Tax & Other Charges	\$ -	\$ -	

GRAND TOTAL - ALL CHARGES

\$ 192,930.00

*COPY*

CODING INFORMATION				BUDGET INFORMATION	
Dept.	G/L Account	W.O./Project /Verb.	ID Code	Budget Approval (GSC)	Remaining Budget
100	154.50				
100	154.50				
100	154.50				
100	154.50				
100	154.50				
100	154.50				
100	154.50				
100	154.50				
100	154.50				
100	154.50				

*APPROVALS*  
*Approval Date: 4/6/20*  
*Submitted by (Name): Gary Sickler*  
*Division Approval: \**  
*Management Approval \$10k+ (M.K.):*  
*\* Requires approval by applicable Division Manager based on where purchased will be expensed.*



BILL TO:  
 BARC ELECTRIC COOPERATIVE  
 PO BOX 264  
 MILBORO  
 VA 24460-0264  
 (800) 846-2272

SHIP TO:  
 BARC ELECTRIC COOPERATIVE  
 1972 BIG SPRING DR  
 LEXINGTON VA  
 24450

Page 1 of 1  
 PURCHASE ORDER NUMBER 33288

Number of times printed 2

VENDOR: 1458 - CALLIX INC  
 DEPARTMENT 892400  
 P O BOX 122400  
 DALLAS TX  
 75312-2400  
 Phone Nbr:  
 Fax Nbr:

Requested By mk  
 Buyer:

District 10  
 PO Type 0  
 Issue Date 07/13/20  
 Delivery Date 07/15/20  
 PO Amount 192,930.00

Line	Item ID	Account	Catalog/Manufacturer	Description	Quantity	Unit Cost	Amount
1	00006550	154.50	000-00844	CALLIX 844G MODEL ONT	1,000	192.930	192,930.00
Total							192,930.00

Name

Title



Bill To:  
 Attn: Accounts Payable  
**BARC CONNECTS**  
 PO BOX 264  
 Millboro, VA 24460

Ship To:  
**BARC CONNECTS**  
 BARC ELECTRIC COOPERATIVE  
 1972 BIG SPRING DR  
 LEXINGTON, VA 24450

Invoice	
Number	244348
Date	07-Dec-2020
Purchase Order Number	00000
Sales Order Number	2020-126136: 639548A-1
Customer Number	8667
Terms	30 NET
Ship Date	2020-12-07
Shipping Reference	Group
Customer Contact	USD
Due Date	06-Jan-2021
Ship Via	Pegasus Logistics
Currency	Group
Page	1 of 1

*Handwritten notes:*  
 259  
 Ver

Line Number	Item Number	Customer item Number	Item Description	Quantity Shipped	Unit Price	Extended Amount
1	000-00844		844G-1 GigaCenter, 2 POTS, 4 GE, Dual Wl-Fi, 1 USB -AM Type A Power Adapter w/ 8-pin connector	200	192.93	38,586.00
<b>Sub Total</b>					38,586.00	
<b>Tax</b>					2,045.06	
<b>Shipping &amp; Handling</b>					597.11	
<b>Total</b>						\$41,228.17

Make all checks payable to: Calix, Inc.

**Lockbox Remittance Address:**

Attn: Calix Inc  
 Department 892400  
 P.O. Box 122400  
 Dallas, TX 75312-2400  
 United States

**For ACH/Wire Payments:**

Silicon Valley Bank  
 3003 Tasman Drive  
 Santa Clara, CA 95054  
 United States

Account Name: Calix, Inc  
 Account No.: 3300620555  
 ABA: 121140399  
 Swift No.: SVBKUS6S (International only)

For any questions or concerns regarding this invoice, please reach out to [accountsreceivable@calix.com](mailto:accountsreceivable@calix.com) and a member of the team will get back to you.

**Calix Inc**  
 2777 Orchard Parkway  
 San Jose, CA 95134  
 Phone: (408) 514-3000  
 United States





Bill To:  
 Attn: Accounts Payable  
**BARC CONNECTS**  
 PO BOX 264  
 Millboro, VA 24460

Ship To:  
**BARC CONNECTS**  
 1972 BIG SPRING DR  
 LEXINGTON, VA 24450

Invoice	
Number	244092
Date	04-Dec-2020
Purchase Order Number	33288
Sales Order Number	50024211
Customer Number	8667
Terms	30 NET
Ship Date	2020-12-04
Shipping Reference	
Customer Contact	
Due Date	03-Jan-2021
Ship Via	Pegasus Logistics Group
Currency	USD
Page	1 of 1

Line Number	Item Number	Customer Item Number	Item Description	Quantity Shipped	Unit Price	Extended Amount
1	000-00844		844G-1 GigaCenter, 2 POTS, 4 GE, Dual Wi-Fi, 1 USB -AM Type A Power Adapter w/ 8-pin connector	200	192.93	38,586.00
<b>Special Instructions</b>				<b>Sub Total</b>	<b>Tax</b>	<b>Shipping &amp; Handling</b>
				38,586.00	2,045.06	593.56
						<b>Total</b>
						\$41,224.62

Make all checks payable to: Calix, Inc.

Lockbox Remittance Address:

Attn: Calix Inc  
 Department 892400  
 P.O. Box 122400  
 Dallas, TX 75312-2400  
 United States

For ACH/Wire Payments:

Silicon Valley Bank  
 3003 Tasman Drive  
 Santa Clara, CA 95054  
 United States

Account Name: Calix, Inc  
 Account No.: 3300620555  
 ABA: 121140399  
 Swift No.: SVBKUS6S (International only)

For any questions or concerns regarding this invoice, please reach out to [accountsreceivable@calix.com](mailto:accountsreceivable@calix.com) and a member of the team will get back to you.

**Calix Inc**  
 2777 Orchard Parkway  
 San Jose, CA 95134  
 Phone: (408) 514-3000  
 United States

BARC ELECTRIC COOPERATIVE  
PRG. RECVRPT

RECEIVING  
REPORT

PAGE 1  
RUN DATE 01/19/21 09:37 AM

TICKET - A000003765

PO NBR 33288  
VENDOR 1458  
NAME CALIX INC

WH 2  
DATE REC 01/19/21  
REC BY ed

LINE	ITEMID CATALOG	JOB	PO QTY	INV QTY	DESCRIPTION DELIVER TO
1	6550 000-00844		200		CALIX 844G MODEL ONT

TOTAL: 200

BARC ELECTRIC COOPERATIVE  
PRG. RECVRPT

RECEIVING  
REPORT

PAGE 1  
RUN DATE 01/19/21 09:37 AM

TICKET - A000003766

PO NBR 33288  
VENDOR 1458  
NAME CALIX INC

WH 2  
DATE REC 01/19/21  
REC BY ed



LINE	ITEMID CATALOG	JOB	PO QTY	INV QTY	DESCRIPTION DELIVER TO
1	6550 000-00844	-----	200	-----	----- CALIX 844G MODEL ONT

TOTAL: 200

<b>TITLE</b>	2021-01-19 CALIX
<b>FILE NAME</b>	2021-01-19 CALIX.pdf
<b>DOCUMENT ID</b>	b56bf2014736367d41e5cec0fdf2997ae651a2b4
<b>AUDIT TRAIL DATE FORMAT</b>	MM / DD / YYYY
<b>STATUS</b>	● Completed

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## Document History

 SENT	<b>01 / 19 / 2021</b> 17:32:09 UTC	Sent for signature to jamie lowry (jlowry@barcelectric.com), Greg Cook (gcook@barcelectric.com) and mike keyser (mkeyser@barcelectric.com) from edeel@barcelectric.com IP: 216.55.240.152
 VIEWED	<b>01 / 19 / 2021</b> 17:32:10 UTC	Viewed by jamie lowry (jlowry@barcelectric.com) IP: 209.222.82.229
 VIEWED	<b>01 / 19 / 2021</b> 17:32:12 UTC	Viewed by Greg Cook (gcook@barcelectric.com) IP: 209.222.82.229
 VIEWED	<b>01 / 19 / 2021</b> 17:32:17 UTC	Viewed by mike keyser (mkeyser@barcelectric.com) IP: 209.222.82.228
 SIGNED	<b>01 / 19 / 2021</b> 17:45:21 UTC	Signed by mike keyser (mkeyser@barcelectric.com) IP: 192.230.208.87

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<b>TITLE</b>	2021-01-19 CALIX
<b>FILE NAME</b>	2021-01-19 CALIX.pdf
<b>DOCUMENT ID</b>	b56bf2014736367d41e5cec0fdf2997ae651a2b4
<b>AUDIT TRAIL DATE FORMAT</b>	MM / DD / YYYY
<b>STATUS</b>	● Completed

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## Document History

**01 / 19 / 2021**  
17:50:19 UTCSigned by Greg Cook (gcook@barcelectric.com)  
IP: 192.230.209.66**01 / 19 / 2021**  
18:56:21 UTCSigned by jamie lowry (jlowry@barcelectric.com)  
IP: 216.55.240.152**01 / 19 / 2021**  
18:56:21 UTC

The document has been completed.

BILL TO:  
 BARC ELECTRIC COOPERATIVE  
 PO BOX 264  
 MILLBORO  
 VA 24460-0264

SHIP TO:  
 BARC ELECTRIC COOPERATIVE  
 1972 BIG SPRING DR  
 LEXINGTON VA  
 24450

PURCHASE ORDER NUMBER 33586

(800) 846-2272

Number of times printed 2

VENDOR: 1458 - CALIX INC  
 DEPARTMENT 892400  
 P O BOX 122400  
 DALLAS TX  
 75312-2400  
 Phone Nbr:  
 Fax Nbr:

Requested By JT  
 Ordered By BC  
 Buyer:

District 10  
 PO Type 0  
 Issue Date 03/10/21  
 Delivery Date 05/20/21  
 PO Amount 158,160.00

Line	Item ID	Account	Catalog/Manufacturer	Description	Quantity	Unit Cost	Amount
1	00006198	154.50	100-01830	E7-2 INSTALL KIT	7	33.000	231.00
2	00006512	154.50	100-01449	CALIX E7-2 SHELF	5	237.000	1,185.00
3	00006510	154.50	100-03006	CALIX 8-PORT GPON LINE CARD	20	7,837.200	156,744.00
						Total	158,160.00

Name

Title





Bill To:  
 Attn: Accounts Payable  
**BARC CONNECTS**  
 PO BOX 264  
 Millboro, VA 24460

Ship To:  
**BARC CONNECTS**  
 BARC ELECTRIC COOPERATIVE  
 1972 BIG SPRING DR  
 LEXINGTON, VA 24450

Invoice	
<b>Number</b> 259708	
<b>Date</b> 14-May-2021	<b>Page</b> 1 of 1
<b>Purchase Order Number</b> BARC CONNECTS STOCK	
<b>Sales Order Number</b> 2021-143820: 653302A-1	
<b>Customer Number</b> 8667	
<b>Terms</b> 30 NET	<b>Due Date</b> 13-Jun-2021
<b>Ship Date</b> 2021-05-14	<b>Ship Via</b> UPS Ground
<b>Shipping Reference</b> 1z01e6480350591121	<b>Currency</b> USD
<b>Customer Contact</b>	

Line Number	Item Number	Customer item Number	Item Description	Quantity Shipped	Unit Price	Extended Amount
1	100-01830	6198	E7-2 Field Install Kit for CO & RT (19" and 23" mounting brackets, power and ground cables, etc)	7	33.00	231.00
2	100-01449	6512	E7-2 Shelf, 1RU, 2 Slots, with 1 Blank Card	5	237.00	1,185.00
3	100-03006	6510	E7-2 GPON-8 card (8xGPON OIM, 4xGE SFP, 2x10GE SFP+)	20	7,837.20	156,744.00
<b>Special Instructions</b>			<b>Sub Total</b>	<b>Tax</b>	<b>Shipping &amp; Handling</b>	<b>Total</b>
			158,160.00	8,382.48	293.49	\$166,835.97

**Check Remittance Address:**

Calix Inc.  
 P.O. Box 843163  
 Dallas, TX 75284-3163  
 United States

*WHL* *FL*

For any questions or concerns regarding this invoice, please reach out to [accountsreceivable@calix.com](mailto:accountsreceivable@calix.com) and a member of the team will get back to you.

View your order details at any time from the [My Calix Store Order Manager](#). Did you know Calix makes it incredibly easy to order from the [My Calix Store](#)?

BARC ELECTRIC COOPERATIVE  
PRG. RECVRPT

RECEIVING  
REPORT

PAGE 1  
RUN DATE 05/20/21 01:54 PM

TICKET - A000003935

PO NBR 33586  
VENDOR 1458  
NAME CALIX INC

WH 2  
DATE REC 05/20/21  
REC BY BC

LINE	ITEMID CATALOG	JOB	PO QTY	INV QTY	DESCRIPTION DELIVER TO
1	6198 100-01830		7		E7-2 INSTALL KIT
2	6512 100-01449		5		CALIX E7-2 SHELF
3	6510 100-03006		20		CALIX 8-PORT GPON LINE CARD
		TOTAL:	32		





# Calix Packing Slip

**Ship To:**

BARC CONNECTS  
 2092338  
 BARC ELECTRIC COOPERATIVE  
 1972 BIG SPRING DR LEXINGTON, VA 24450, United States

Calix, Inc.  
 2777 Orchard Pkwy  
 San Jose, California, US, 95134  
**Contact : PITTMAN, JERRY**  
**Tel : +17077663033**  
**Fax : +17072833100**

**Attn :** Brian Crews  
**Phone :** 15409603004

**Software Load :**  
**Packing Instructions :**

**Calix Customer Po Number :** BARC CONNECTS STOCK

**Calix Pack Slip Number :**



54255

**Calix Sales Order Number :** 2021-143820: 653302A-1

**IMPORTANT! See Installation Instructions available at <http://www.calix.com> before powering equipment.**  
**Any return of unused Products must be approved in advance by Calix and be received at Calix within 30 Days of original Delivery date. Product returns are subject to a 15% restocking fee.**








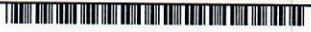








Line	Item Number	Item Description	Open Qty	Ship Qty
3	100-01449	E7-2 Shelf, 1RU, 2 Slots, with 1 Blank Card	5	5
2	100-01830	E7-2 Field Install Kit for CO & RT (19" and 23" mounting brackets, power and ground cables, etc)	7	7
1	100-03006	E7-2 GPON-8 card (8xGPON OIM, 4xGE SFP, 2x10GE SFP+)	20	20

**Number of Boxes :**  
**Total Weight :** 152 LBS  
**Shipping Date :** 14-May-21






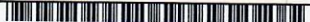



**Freight Carrier :** UPS Ground-LTL-UPS ground  
**Tracking Number :** 1z01e6480350591121



<b>SHIP TO :</b> 2092338 BARC ELECTRIC COOPERATIVE 1972 BIG SPRING DR  CONTACT NAME: Brian Crews CONTACT PHONE: 15409603004	<b>2021-143820:</b> <b>653302A-1</b>	<b>Serialized Items</b> <b>only</b>	
	<b>BARC CONNECTS</b>		
	<b>BARC CONNECTS STOCK</b>		Calix, Inc. 2777 Orchard Pkwy San Jose, California, US, 95134 <b>+18777663500</b> <a href="http://www.calix.com">www.calix.com</a>

ITEM NUMBER	PRODUCT DESCRIPTION	REV	SERIAL NUMBER	SERIAL NUMBER BAR CODE	CLEI
100-03006	E7-2 GPON-8 card (8xGPON OIM, 4xGE SFP, 2x10GE SFP+)	10	472102005567		
100-03006	E7-2 GPON-8 card (8xGPON OIM, 4xGE SFP, 2x10GE SFP+)	10	472102005572		
100-03006	E7-2 GPON-8 card (8xGPON OIM, 4xGE SFP, 2x10GE SFP+)	10	472102005575		
100-03006	E7-2 GPON-8 card (8xGPON OIM, 4xGE SFP, 2x10GE SFP+)	10	472102005582		
100-03006	E7-2 GPON-8 card (8xGPON OIM, 4xGE SFP, 2x10GE SFP+)	10	472102005590		
100-03006	E7-2 GPON-8 card (8xGPON OIM, 4xGE SFP, 2x10GE SFP+)	10	472102005591		
100-03006	E7-2 GPON-8 card (8xGPON OIM, 4xGE SFP, 2x10GE SFP+)	10	472102005599		
100-03006	E7-2 GPON-8 card (8xGPON OIM, 4xGE SFP, 2x10GE SFP+)	10	472102005627		
100-03006	E7-2 GPON-8 card (8xGPON OIM, 4xGE SFP, 2x10GE SFP+)	10	472102005633		
100-03006	E7-2 GPON-8 card (8xGPON OIM, 4xGE SFP, 2x10GE SFP+)	10	472102005635		
100-03006	E7-2 GPON-8 card (8xGPON OIM, 4xGE SFP, 2x10GE SFP+)	10	472102005660		
100-03006	E7-2 GPON-8 card (8xGPON OIM, 4xGE SFP, 2x10GE SFP+)	10	472102005661		
100-03006	E7-2 GPON-8 card (8xGPON OIM, 4xGE SFP, 2x10GE SFP+)	10	472102005695		
100-03006	E7-2 GPON-8 card (8xGPON OIM, 4xGE SFP, 2x10GE SFP+)	10	472102005696		
100-03006	E7-2 GPON-8 card (8xGPON OIM, 4xGE SFP, 2x10GE SFP+)	10	472102005700		
100-03006	E7-2 GPON-8 card (8xGPON OIM, 4xGE SFP, 2x10GE SFP+)	10	472102005703		



100-03006	E7-2 GPON-8 card (8xGPON OIM, 4xGE SFP, 2x10GE SFP+)	10	472102005712		
100-03006	E7-2 GPON-8 card (8xGPON OIM, 4xGE SFP, 2x10GE SFP+)	10	472102005719		
100-03006	E7-2 GPON-8 card (8xGPON OIM, 4xGE SFP, 2x10GE SFP+)	10	472102005731		
100-03006	E7-2 GPON-8 card (8xGPON OIM, 4xGE SFP, 2x10GE SFP+)	10	472102005756		
100-01449	E7-2 Shelf, 1RU, 2 Slots, with 1 Blank Card	13	472103010398		BVM8300CRD
100-01449	E7-2 Shelf, 1RU, 2 Slots, with 1 Blank Card	13	472103010423		BVM8300CRD
100-01449	E7-2 Shelf, 1RU, 2 Slots, with 1 Blank Card	13	472103010427		BVM8300CRD
100-01449	E7-2 Shelf, 1RU, 2 Slots, with 1 Blank Card	13	472103010429		BVM8300CRD
100-01449	E7-2 Shelf, 1RU, 2 Slots, with 1 Blank Card	13	472103010476		BVM8300CRD

<b>TITLE</b>	2021-5-20 CALIX ( BARC CONNECTS )
<b>FILE NAME</b>	2021-5-20 Calix (...cts Restock ).pdf
<b>DOCUMENT ID</b>	5b49c0e59615a62431b6630357d086bf2365828d
<b>AUDIT TRAIL DATE FORMAT</b>	MM / DD / YYYY
<b>STATUS</b>	● Completed

## Document History



SENT

**05 / 20 / 2021**

18:19:50 UTC

Sent for signature to greg cook (gcook@barcelectric.com) and mike keyser (mkeyser@barcelectric.com) from bcrews@barcelectric.com  
IP: 216.55.240.152



VIEWED

**05 / 20 / 2021**

18:19:52 UTC

Viewed by greg cook (gcook@barcelectric.com)  
IP: 209.222.82.140



VIEWED

**05 / 20 / 2021**

18:20:05 UTC

Viewed by mike keyser (mkeyser@barcelectric.com)  
IP: 209.222.82.230



SIGNED

**05 / 20 / 2021**

18:28:35 UTC

Signed by mike keyser (mkeyser@barcelectric.com)  
IP: 192.230.208.87



SIGNED

**05 / 20 / 2021**

18:31:26 UTC

Signed by greg cook (gcook@barcelectric.com)  
IP: 216.55.240.126



COMPLETED

**05 / 20 / 2021**

18:31:26 UTC

The document has been completed.

## DERIVATION OF COSTS ITEM 2

CUSTOMER PREMISE EQUIPMENT, MATERIALS  
AND LABOR FOR IN-HOME INSTALLATIONS



**BARC Electric Cooperative**

# Purchase Request Form

Vendor Name:	Communications Installation Solution
Contact:	Mark Humphreys
Address 1:	134 Wilson Blvd
Address 2:	
City/State/Zip:	Fishersville, VA 22939
Telephone/Fax/E-Mail:	<a href="tel:540-294-1414">540-294-1414</a>
Web/E-Mail:	<a href="mailto:cisworkmail1@gmail.com">cisworkmail1@gmail.com</a>

APPROVALS	
Approval Date:	
Submitted by (Name):	Mike Keyser
Division Approval:	*
Management Approval \$10k+ (M.K.):	<i>[Signature]</i>
<small>* Requires approval by applicable Division Manager based on where purchased will be expensed.</small>	

DESCRIPTION OF ITEM PURCHASED						CODING INFORMATION				BUDGET INFORMATION	
Quantity	Vendor Material #	BARC Material #	Basic Description	Unit Price	Total	Dept.	G/L Account	W.O. / Project / Veh.	ID Code	Budget Approval (GSC)	Remaining Budget
			Internet/Gateway Installs - Augusta County	\$ 275.00	\$ -	100	107.20	84049	CNTR 00		
2			Internet/Gateway Installs - Bath County	\$ 275.00	\$ 550.00	100	107.20	84048	CNTR 00		
11			Internet/Gateway Installs - Rockbridge County	\$ 275.00	\$ 3,025.00	100	107.20	84050	CNTR 00		
			Internet/Gateway Installs - Non-BARC	\$ 275.00	\$ -	100	107.20	169	CNTR 00		
5			Phone/TV Installs	\$ 100.00	\$ 500.00	100	107.22	169	CNTR 00		
			Invoice #								
			Shipping, Tax & Other Charges								
<b>GRAND TOTAL - ALL CHARGES</b>					<b>\$</b>	<b>4,075.00</b>					

**Communication Installation Solutions**

134 Wilson Blvd  
 Fishersville, VA 22939 US  
 (540) 294-1414  
 CISworkmail1@gmail.com

**Invoice**

<b>BILL TO</b>
Mike Keyser BARC Completed Jobs week ending 9-3-2021 1972 Big Springs Drive Lexington, Virginia 24450 USA

INVOICE #	DATE	TOTAL DUE	DUE DATE	TERMS	ENCLOSED
4991	09/09/2021	\$4,075.00	10/09/2021	Net 30	

DESCRIPTION	QTY	RATE	AMOUNT
<b>FTTH Install Double Play</b> 8/30/2021 Uldis Birzenieks / 540-460-5247 305 Buffalo Trace Lexington Va 24450 ONT, Phone 66326	1	375.00	375.00
<b>FTTH Install Single Play</b> 8/30/20210 Judith Robbins / 202-667-0783 362 Saville Ln Lexington Va 24450 ONT 66350	1	275.00	275.00
<b>FTTH Install Single Play</b> 8/30/2021 Jacob Rhodes / 540-460-4182 334 Moores Creed Rd Lexington Va 24450 ONT 66873	1	275.00	275.00
<b>FTTH Install Single Play</b> 8/31/2021 Davis Ngyen / 540-560-0689 301 Mill Creek Crossing Millboro Va 24460 ONT 66747	1	275.00	275.00
<b>FTTH Install Single Play</b> 8/31/2021 Stan Donze / 540-463-3576 3995 S Buffalo Bend Rd Lexington Va 24450 ONT 66390	1	275.00	275.00
<b>FTTH Install Single Play</b> 9/1/2021 Haley Redifer / 601-549-8193 770 Ridge Rd Raphine Va 24472 ONT 66868	1	275.00	275.00
<b>FTTH Install Double Play</b> 9/1/2021 Randoloh Blum / 540-939-4399 10975 Deerfield Rd Millboro Va 24460 ONT, Phone 65446	1	375.00	375.00
<b>FTTH Install Double Play</b> 9/1/2021 Richard Helmick / 540-458-1868 47 Night Hawk In Lexington Va 24450 ONT, Phone 66789	1	375.00	375.00
<b>FTTH Install Double Play</b> 9/2/2021 James Garber / 540-997-9407 1017 Brattons Run Rd Goshen va 24439 ONT, Phone 66914	1	375.00	375.00
<b>FTTH Install Double Play</b> 9/2/2021 Farris Hotchkiss / 540-464-6564 1150 Wide Gap Rd Lexington VA 24450 ONT, Phone 66867	1	375.00	375.00

DESCRIPTION	QTY	RATE	AMOUNT
<b>FTTH Install Single Play</b> 9/3/2021 Autumn Welch / 540-315-1281 1464 Blue Grass Trl Lexington Va 24450 ONT 66896	1	275.00	275.00
<b>FTTH Install Single Play</b> 9/3/2021 Joanne Groah / 540-460-4570 773 Decatur Rd Fairfield Va 24435 ONT 66904	1	275.00	275.00
<b>FTTH Install Single Play</b> 9/3/2021 Virginia Tysinger / 757-630-6360 607 McCurdy Ln Rockbridge Baths Va 24473 ONT 66656	1	275.00	275.00

BALANCE DUE

**\$4,075.00**



<b>TITLE</b>	2021-09-09 CIS AP Pack
<b>FILE NAME</b>	2021-09-09 CIS AP Pack.pdf
<b>DOCUMENT ID</b>	faea819cb31475589729c114865474e64d7fd763
<b>AUDIT TRAIL DATE FORMAT</b>	MM / DD / YYYY
<b>STATUS</b>	● Completed

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## Document History



SENT

**09 / 09 / 2021**

18:46:44 UTC

Sent for signature to Mike Keyser (mkeyser@barcelectric.com)  
 from mwinkler@barcelectric.com  
 IP: 216.55.240.152



VIEWED

**09 / 09 / 2021**

23:54:28 UTC

Viewed by Mike Keyser (mkeyser@barcelectric.com)  
 IP: 174.203.138.152



SIGNED

**09 / 10 / 2021**

00:03:53 UTC

Signed by Mike Keyser (mkeyser@barcelectric.com)  
 IP: 174.203.138.152



COMPLETED

**09 / 10 / 2021**

00:03:53 UTC

The document has been completed.

BILL TO:  
 BARC ELECTRIC COOPERATIVE  
 PO BOX 264  
 MILLBORO  
 VA 24460-0264  
 (800) 846-2272

SHIP TO:  
 BARC ELECTRIC COOPERATIVE  
 1972 BIG SPRING DR  
 LEXINGTON VA  
 24450

Page 1 of 1  
 PURCHASE ORDER NUMBER 33625

VENDOR: 1458 - CALIX INC  
 DEPARTMENT 892400  
 P O BOX 122400  
 DALLAS TX  
 75312-2400  
 Phone Nbr:  
 Fax Nbr:

Ordered By BC  
 Approved By MK  
 Buyer:

District 10  
 PO Type 0  
 Issue Date 04/06/21  
 Delivery Date 06/08/21  
 PO Amount 75,270.00

Line	Item ID	Account	Catalog/Manufacturer	Description	Quantity	Unit Cost	Amount
1	00006558	154.50	000-01178 GIGASPIRE	GIGASPIRE MESH BLAST	100	79.800	7,980.00
2	00006556	154.50	000-00951	803G ONT W/ POWER	300	85.000	25,500.00
3	00006547	154.50	000-01175	U6 GIGASPIRE	300	139.300	41,790.00
						Total	75,270.00

Name

Title



Bill To:  
 Attn: Accounts Payable  
**BARC CONNECTS**  
 PO BOX 264  
 Millboro, VA 24460

Ship To:  
**BARC CONNECTS**  
 BARC ELECTRIC COOPERATIVE  
 1972 BIG SPRING DR  
 LEXINGTON, VA 24450

Invoice	
<b>Number</b> 261157	
<b>Date</b> 01-Jun-2021	<b>Page</b> 1 of 1
<b>Purchase Order Number</b> BARC CONNECTS ONT ORDER	
<b>Sales Order Number</b> 2021-144376: 653656A-1	
<b>Customer Number</b> 8667	
<b>Terms</b> 30 NET	<b>Due Date</b> 01-Jul-2021
<b>Ship Date</b> 2021-06-01	<b>Ship Via</b> UPS Ground
<b>Shipping Reference</b> 1Z01E6480369636404	<b>Currency</b> USD
<b>Customer Contact</b>	

Line Number	Item Number	Customer item Number	Item Description	Quantity Shipped	Unit Price	Extended Amount
2	000-01178	6559	GM1028, GigaSpire Mesh BLAST, Dual band 2x2 Wi-Fi 6, GE WAN/LAN, AM Power Adapter	100	79.80	7,980.00
<b>Special Instructions</b>						
<b>Sub Total</b>						7,980.00
				<b>Tax</b>		422.94
				<b>Shipping &amp; Handling</b>		153.41
					<b>Total</b>	\$8,556.35

**Check Remittance Address:**

Calix Inc.  
 P.O. Box 843163  
 Dallas, TX 75284-3163  
 United States

For any questions or concerns regarding this invoice, please reach out to [accountsreceivable@calix.com](mailto:accountsreceivable@calix.com) and a member of the team will get back to you.

View your order details at any time from the [My Calix Store Order Manager](#). Did you know Calix makes it incredibly easy to order from the [My Calix Store](#)?

BARC ELECTRIC COOPERATIVE  
PRG. RECVRPT

RECEIVING  
REPORT

PAGE 1  
RUN DATE 06/23/21 03:55 PM

TICKET - A000003990

PO NBR 33625  
VENDOR 1458  
NAME CALIX INC

WH 1  
DATE REC 06/23/21  
REC BY BC

LINE	ITEMID CATALOG	JOB	PO QTY	INV QTY	DESCRIPTION DELIVER TO
1	6558 000-01178	GIGASPIRE	100		GIGASPIRE MESH BLAST

TOTAL: 100





Bill To:  
 Attn: Accounts Payable  
**BARC CONNECTS**  
 PO BOX 264  
 Millboro, VA 24460

Ship To:  
**BARC CONNECTS**  
 BARC ELECTRIC COOPERATIVE  
 1972 BIG SPRING DR  
 LEXINGTON, VA 24450

Invoice	
<b>Number</b> 261005	
<b>Date</b> 28-May-2021	<b>Page</b> 1 of 1
<b>Purchase Order Number</b> BARC CONNECTS ONT ORDER	
<b>Sales Order Number</b> 2021-144376: 653656A-1	
<b>Customer Number</b> 8667	
<b>Terms</b> 30 NET	<b>Due Date</b> 27-Jun-2021
<b>Ship Date</b> 2021-05-28	<b>Ship Via</b> Pegasus Logistics Group
<b>Shipping Reference</b> 22843645	<b>Currency</b> USD
<b>Customer Contact</b>	

Line Number	Item Number	Customer item Number	Item Description	Quantity Shipped	Unit Price	Extended Amount
1	000-00951	6556	803G GigaPoint, 1 GE, 1 POTS -AM Type A Power Adapter	• 300	• 85.00	25,500.00
2	000-01175	6547	GS4220E, GE WAN, 4 GE LAN, dual band Wi-Fi 6, 2 POTS, 1 USB, AM power adapter package	• 300	• 139.30	41,790.00
<b>Special Instructions</b>			<b>Sub Total</b>	<b>Tax</b>	<b>Shipping &amp; Handling</b>	<b>Total</b>
			67,290.00	3,566.37	963.90	\$71,820.27

**Check Remittance Address:**

Calix Inc.  
 P.O. Box 843163  
 Dallas, TX 75284-3163  
 United States

For any questions or concerns regarding this invoice, please reach out to [accountsreceivable@calix.com](mailto:accountsreceivable@calix.com) and a member of the team will get back to you.  
 View your order details at any time from the [My Calix Store Order Manager](#). Did you know Calix makes it incredibly easy to order from the [My Calix Store](#)?

*Handwritten signatures*

BARC ELECTRIC COOPERATIVE  
PRG. RECVRPT

RECEIVING  
REPORT

PAGE 1  
RUN DATE 06/23/21 03:56 PM

TICKET - A000003991

PO NBR 33625  
VENDOR 1458  
NAME CALIX INC

WH 1  
DATE REC 06/23/21  
REC BY BC

LINE	ITEMID CATALOG	JOB	PO QTY	INV QTY	DESCRIPTION DELIVER TO
2	6556 000-00951		300		803G ONT W/ POWER
3	6547 000-01175		300		U6 GIGASPIRE
		TOTAL:	600		





# Calix Packing Slip

**Ship To:**  
 BARC CONNECTS  
 2167185  
 BARC ELECTRIC COOPERATIVE  
 1972 BIG SPRING DR LEXINGTON, VA 24450, United States

Calix, Inc.  
 2777 Orchard Pkwy  
 San Jose, California, US, 95134  
**Contact :** PITTMAN, JERRY  
**Tel :** +17077663033  
**Fax :** +17072833100

**Attn :** Brian Crews  
**Phone :** 15409603004

**Software Load**  
**Packing Instructions** :

**Calix Customer Po Number** : BARC CONNECTS ONT ORDER

**Calix Sales Order Number** : 2021-144376: 653656A-1

**Calix Pack Slip Number :**



55566

**IMPORTANT! See Installation Instructions available at <http://www.calix.com> before powering equipment.**  
**Any return of unused Products must be approved in advance by Calix and be received at Calix within 30 Days of original Delivery date. Product returns are subject to a 15% restocking fee.**

Line	Item Number	Item Description	Open Qty	Ship Qty
2	000-01175	GS4220E, GE WAN, 4 GE LAN, dual band Wi-Fi 6, 2 POTS, 1 USB, AM power adapter package	300	300
2.1	100-05413	GS4220E GigaSpire BLAST u6.1, 1GE WAN, 4 GE LAN, Dual 11ax Wi-Fi, 2 POTS, 1 USB, AM Power Adapter	300	256
2.1	100-05413	GS4220E GigaSpire BLAST u6.1, 1GE WAN, 4 GE LAN, Dual 11ax Wi-Fi, 2 POTS, 1 USB, AM Power Adapter	44	44
3	000-00951	803G GigaPoint, 1 GE, 1 POTS -AM Type A Power Adapter	300	300
3.1	100-04323	Power Adapter CPA3 12V 1.5Amp - AM Type A	300	300
3.2	100-04255	803G GigaPoint, 1 GE, 1 POTS	300	300

**Number of Boxes** :  
**Total Weight** : 1377 LBS  
**Shipping Date** : 28-May-21

**Freight Carrier** : Pegasus Logistics Group-LTL-Ground  
**Tracking Number** : 22843645





# Calix Packing Slip

**Ship To:**

BARC CONNECTS  
 2188187  
 BARC ELECTRIC COOPERATIVE  
 1972 BIG SPRING DR LEXINGTON, VA 24450, United States

Calix, Inc.

2777 Orchard Pkwy  
 San Jose, California, US, 95134

**Contact : PITTMAN, JERRY****Tel : +17077663033****Fax : +17072833100****Attn : Brian Crews****Phone : 15409603004****Software Load****Packing Instructions**:  
:**Calix Customer Po Number**

: BARC CONNECTS ONT ORDER

**Calix Sales Order Number**

: 2021-144376: 653656A-1

**Calix Pack Slip Number :**

55619

**IMPORTANT! See Installation Instructions available at <http://www.calix.com> before powering equipment.**  
**Any return of unused Products must be approved in advance by Calix and be received at Calix within 30 Days of original Delivery date. Product returns are subject to a 15% restocking fee.**







Line	Item Number	Item Description	Open Qty	Ship Qty
1	000-01178	GM1028, GigaSpire Mesh BLAST, Dual band 2x2 Wi-Fi 6, GE WAN/LAN, AM Power Adapter	100	100
1.1	100-05494	GM1028, GigaSpire Mesh BLAST u4m, Dual band 2x2 Wi-Fi 6, GE WAN/LAN, AM Power Adapter	100	100

**Number of Boxes :****Total Weight :** 124 LBS**Shipping Date :** 1-Jun-21**Freight Carrier :** UPS Ground-LTL-UPS ground**Tracking Number :** 1Z01E6480369636404



<b>TITLE</b>	2021-6-8 CALIX ( ONT's )
<b>FILE NAME</b>	2021-6-8 CALIX ( ...NECTS ONT's ).pdf
<b>DOCUMENT ID</b>	b9f5d3aa9c4c963df7ae733f4bf7e2f5cb04db94
<b>AUDIT TRAIL DATE FORMAT</b>	MM / DD / YYYY
<b>STATUS</b>	● Completed

## Document History

 SENT	<b>06 / 08 / 2021</b> 20:07:29 UTC	Sent for signature to mike keyser (mkeyser@barcelectric.com) and greg cook (gcook@barcelectric.com) from bcrews@barcelectric.com IP: 216.55.240.152
 VIEWED	<b>06 / 08 / 2021</b> 20:07:57 UTC	Viewed by greg cook (gcook@barcelectric.com) IP: 209.222.82.235
 VIEWED	<b>06 / 08 / 2021</b> 20:07:58 UTC	Viewed by mike keyser (mkeyser@barcelectric.com) IP: 209.222.82.232
 SIGNED	<b>06 / 08 / 2021</b> 20:17:34 UTC	Signed by greg cook (gcook@barcelectric.com) IP: 192.230.209.66
 SIGNED	<b>06 / 08 / 2021</b> 20:59:03 UTC	Signed by mike keyser (mkeyser@barcelectric.com) IP: 216.55.240.152
 COMPLETED	<b>06 / 08 / 2021</b> 20:59:03 UTC	The document has been completed.

DERIVATION OF COSTS ITEM 3

RIGHT-OF-WAY CLEARING



# Purchase Request Form

Vendor Name:	Asplundh
Contact:	
Address 1:	Post Office Box 532729
Address 2:	
City/State/Zip:	Atlanta, GA 30353-2729
Telephone/Fax/E-Mail:	
Web/E-Mail:	

APPROVALS	
Approval Date:	7/22/2021
Submitted by (Name):	Chris Botulinski
Division Approval:	*
Management Approval \$20k+ (M.K.):	
* Requires approval by applicable Division Manager based on where purchased will be expensed.	

DESCRIPTION OF ITEM PURCHASED					
Quantity	Vendor Material #	BARC Material #	Basic Description	Unit Price	Total
1			67K55321 Work Order 84015		<b>\$ 6,275.70</b>
1			67K55421 Work Order 84015		<b>\$ 11,064.00</b>
1			66K55521 Work Order 84015		<b>\$ 1,713.00</b>
			Shipping, Tax & Other Charges		
				<b>GRAND TOTAL - ALL CHARGES</b>	<b>\$ 19,052.70</b>

CODING INFORMATION			BUDGET INFORMATION	
Dept.	G/L Account	ID Code	Budget Approval (G C)	Remaining Budget
100	107.20	CONT 00		
100	107.20	CONT 00		
100	107.20	CONT 00		

# ASPLUNDH

**Invoice**

Week Ending      Invoice Date      Invoice Number  
**07/10/2021**      **07/16/2021**      **67K55321**

Customer #      Contract #      P.O. #  
**048160**      **Z028534**

Crew #: **029342**      LAWSON, JASON L  
Ref #: **11550649**

**ASPLUNDH TREE EXPERT, LLC**  
**708 BLAIR MILL ROAD**  
**WILLOW GROVE, PA 19090**

**REMIT TO: P.O. BOX 532729**  
**Atlanta, GA 30353-2729**

BC: **31**      DIV: **TREE TRIMMING DIVISION**  
Component #: **Z028535**      Project #: **20215**

**BILL TO: BARC ELECTRIC COOPERATIVE**  
**MICHAEL KEYSER**  
**84 HIGH ST**  
**MILLSBORO, VA 24460-0000**

Req #:  
Tracking: **29BEC01**      LEGACY - **Z028534**  
Location: **MILBORO SPRINGS**      Control: **68287945**

Description	Quantity	Unit	Unit Price	Total
FOREPERSON A	30.000	HRS	\$35.00	\$1,050.00
FOREPERSON A	30.000	HRS	\$35.00	\$1,050.00
CLIMBER A	30.000	HRS	\$30.51	\$915.30
<b>TOTAL LABOR</b>	<b>90.000</b>	<b>HRS</b>		<b>\$3,015.30</b>
SKID STEER W/CUTTER	30.000	HRS	\$45.27	\$1,358.10
CHIPPER	30.000	HRS	\$6.67	\$200.10
4X4 PICKUP	30.000	HRS	\$12.90	\$387.00
4X4 BUCKET	30.000	HR	\$23.34	\$700.20
STANDARD LIFT TRUCK	30.000	HR	\$20.50	\$615.00
<b>TOTAL EQUIPMENT</b>	<b>150.000</b>	<b>HRS</b>		<b>\$3,260.40</b>
<b>SUBTOTAL</b>				<b>\$6,275.70</b>

Please call Kathy Janson at 888-462-0667 with any billing questions.  
EOE-AA: M/F/V/D  
Process Date: 7/12/2021 12:30:02PM

**Invoice Total      \$6,275.70**

Company:	Asplundh Tree Expert, LLC	Customer:	BARC ELECTRIC COOPERATIVE	Cust Crew #:		Foreperson:	LAWSON,JASON L	State:	VA	WEEKLY TIMESHEET REPORT Form F2000			
Co. Crew #:	029342	Customer #:	048160	Type of Crew:	Tree	GF:	NULTY,MICHAEL	County:	BATH				
Contract #:	29BEC01 T	Cust. Contact:	MICHAEL KEYSER	Type of Work:	ATE - TREE TRIMMING	Supervisor:	THOMPSEN,ROIS	City:		Timesheet #	68287945		
Type of Billing:	Standard	84 HIGH ST		P.O. #:		Manager:	MESSICK,JODY	District:		Week Ending:	07/10/2021		
Project #:	20215	MILLSBORO	VA	24460	Requisition #:		Work Location:	milboro springs			Status:	Final	

**Labor**

Last 4	Empl Name	Code	Pay Rate	ST	OT	DT	Sun	Mon	Tue	Wed	Thur	Fri	Sat	Total
8715	LAWRENCE, CLINTON	FA		30.00					10.00	10.00	10.00			30.00
4120	LAWSON, JASON	FA		30.00					10.00	10.00	10.00			30.00
4983	SMITH JR, JASON	CA		30.00					10.00	10.00	10.00			30.00
<b>Total</b>				<b>90.00</b>					<b>30.00</b>	<b>30.00</b>	<b>30.00</b>			<b>90.00</b>

**Equipment**

Equip #	Equipment Description	Code	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Total
0384832	RAYCO C100				10.00	10.00	10.00			30.00
1154550	INTERSTATE 20DT				10.00	10.00	10.00			30.00
1304546	RAYCO C100R	130			10.00	10.00	10.00			30.00
4650711	VERMEER BC1000XL	465			10.00	10.00	10.00			30.00
7239710	CHEVROLET SILVERADO2500	723			10.00	10.00	10.00			30.00
8648307	GMC C6C042	864			10.00	10.00	10.00			30.00
8969603	FORD F750	896			10.00	10.00	10.00			30.00
<b>Total</b>						<b>70.00</b>	<b>70.00</b>	<b>70.00</b>		<b>210.00</b>

**Chemicals / Materials**  
Expenses  
Units  
Activity  
Locations

Loc ID	Date	Start Time	Stop Time	Address	Comments	Remarks
1	07/06/2021	7:00 AM	5:30 PM	bath co.		
2	07/07/2021	7:00 AM	5:30 PM	bath co.		
3	07/08/2021	7:00 AM	5:30 PM	bath co.		

# ASPLUNDH

## Invoice

Week Ending 07/10/2021 Invoice Date 07/16/2021 Invoice Number 67K55421  
Customer #: 048160 Contract # Z028534 P.O. #  
Crew #: 029339 CLIFTON, TREVOR J  
Ref #: 11550730

ASPLUNDH TREE EXPERT, LLC  
708 BLAIR MILL ROAD  
WILLOW GROVE, PA 19090

REMIT TO: P.O. BOX 532729  
Atlanta, GA 30353-2729

BC: 31 DIV: TREE TRIMMING DIVISION  
Component #: Z028535 Project # 20215

BILL TO: BARC ELECTRIC COOPERATIVE  
MICHAEL KEYSER  
84 HIGH ST  
MILLSBORO, VA 24460-0000

Req #:  
Tracking: 29BEC01 LEGACY - Z028534  
Location: MILBORO SPRINGS Control: 68287944

Description	Quantity	Unit	Unit Price	Total
CLIMBER A	20.000	HRS	\$30.51	\$610.20
FOREPERSON B	30.000	HRS	\$32.16	\$964.80
EQUIP OPERATOR	30.000	HRS	\$32.16	\$964.80
FOREPERSON A	30.000	HRS	\$35.00	\$1,050.00
FOREPERSON B	30.000	HRS	\$32.16	\$964.80
<b>TOTAL LABOR</b>	<b>140.000</b>	<b>HRS</b>		<b>\$4,554.60</b>
SKID STEER W/CUTTER	30.000	HRS	\$45.27	\$1,358.10
CHIPPER	30.000	HRS	\$6.67	\$200.10
4X4 PICKUP	30.000	HRS	\$12.90	\$387.00
4X4 PICKUP	30.000	HRS	\$12.90	\$387.00
JARRAFF	30.000	HRS	\$60.15	\$1,804.50
SPLIT DUMP	30.000	HRS	\$11.89	\$356.70
PUDDLE JUMPER	30.000	HR	\$33.60	\$1,008.00
PUDDLE JUMPER	30.000	HRS	\$33.60	\$1,008.00
<b>TOTAL EQUIPMENT</b>	<b>240.000</b>	<b>HRS</b>		<b>\$6,509.40</b>
<b>SUBTOTAL</b>				<b>\$11,064.00</b>

Please call Kathy Janson at 888-462-0667 with any billing questions.  
EOE-AA: M/F/V/D  
Process Date: 7/12/2021 12:30:02PM

**Invoice Total \$11,064.00**

Company:	Asplundh Tree Expert, LLC	Customer:	BARC ELECTRIC COOPERATIVE	Cust Crew #:		Foreperson:	CLIFTON,TREVOR J	State:	VA	WEEKLY TIMESHEET REPORT Form F2000			
Co. Crew #:	029339	Customer #:	048160	Type of Crew:	Tree	GF:	NULTY,MICHAEL	County:	BATH				
Contract #:	29BEC01 T	Cust. Contact:	MICHAEL KEYSER	Type of Work:	ATE - TREE TRIMMING	Supervisor:	THOMPSEN,ROIS	City:		Timesheet #	68287944		
Type of Billing:	Standard	84 HIGH ST		P.O. #:		Manager:	MESSICK,JODY	District:		Week Ending:	07/10/2021		
Project #:	20215	MILLSBORO	VA	24460	Requisition #:		Work Location:	milboro springs			Status:	Final	

Labor														
Last 4	Empl Name	Code	Pay Rate	ST	OT	DT	Sun	Mon	Tue	Wed	Thur	Fri	Sat	Total
8950	BOTKIN JR, DENNIS	CA		20.00					10.00	10.00				20.00
9063	BOYD, THOMAS	FB		30.00					10.00	10.00	10.00			30.00
2872	MOWBRAY, GROVER	EO		30.00					10.00	10.00	10.00			30.00
4817	NULTY, CHRISTOPHER	FA		30.00					10.00	10.00	10.00			30.00
4358	SHIFFLETT, TIMOTHY	FB		30.00					10.00	10.00	10.00			30.00
<b>Total</b>				<b>140.00</b>					<b>50.00</b>	<b>50.00</b>	<b>40.00</b>			<b>140.00</b>

Equipment													
Equip #	Equipment Description	Code	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Total			
0389594	RAYCO FM120				10.00	10.00	10.00			30.00			
1150542	INTERSTATE 20DT				10.00	10.00	10.00			30.00			
1309516	RAYCO C120R	130			10.00	10.00	10.00			30.00			
4659509	VERMEER BC1000XL	465			10.00	10.00	10.00			30.00			
7230524	FORD F250	723			10.00	10.00	10.00			30.00			
7237780	FORD F150	723			10.00	10.00	10.00			30.00			
7498636	JARRAFF 4WHEELDRIVE BRUSH CUTTER	749			10.00	10.00	10.00			30.00			
7524532	FORD F550	752			10.00	10.00	10.00			30.00			
8359501	FREIGHTLINER M2	835			10.00	10.00	10.00			30.00			
8379504	FREIGHTLINER M2	837			10.00	10.00	10.00			30.00			
<b>Total</b>						<b>100.00</b>	<b>100.00</b>	<b>100.00</b>		<b>300.00</b>			

Chemicals / Materials						Remarks
Expenses						
Units						
Activity						
Locations						
Loc ID	Date	Start Time	Stop Time	Address	Comments	
1	07/06/2021	7:00 AM	5:30 PM	bath co.		
2	07/07/2021	7:00 AM	5:30 PM	bath co.		
3	07/08/2021	7:00 AM	5:30 PM	bath co.		

# ASPLUNDH

**Invoice**

Week Ending      Invoice Date      Invoice Number  
**07/10/2021**      **07/16/2021**      **67K55521**

Customer #      Contract #      P.O. #  
**048160**      **Z028534**

Crew #: **029396**      NULTY, MICHAEL E  
Ref #: **11550731**

**ASPLUNDH TREE EXPERT, LLC**  
**708 BLAIR MILL ROAD**  
**WILLOW GROVE, PA 19090**

**REMIT TO: P.O. BOX 532729**  
**Atlanta, GA 30353-2729**

BC: **31**      DIV: **TREE TRIMMING DIVISION**  
Component #: **Z028535**      Project #: **20215**

**BILL TO: BARC ELECTRIC COOPERATIVE**  
**MICHAEL KEYSER**  
**84 HIGH ST**  
**MILLSBORO, VA 24460-0000**

Req #:  
Tracking: **29BEC01**      LEGACY - **Z028534**  
Location:      Control: **68287946**

Description	Quantity	Unit	Unit Price	Total
GEN FOREPERSON	30.000	HRS	\$44.20	\$1,326.00
<b>TOTAL LABOR</b>	<b>30.000</b>	<b>HRS</b>		<b>\$1,326.00</b>
4X4 PICKUP	30.000	HRS	\$12.90	\$387.00
<b>TOTAL EQUIPMENT</b>	<b>30.000</b>	<b>HRS</b>		<b>\$387.00</b>
<b>SUBTOTAL</b>				<b>\$1,713.00</b>

Please call Kathy Janson at 888-462-0667 with any billing questions.  
EOE-AA: M/F/V/D  
Process Date: 7/12/2021 12:30:02PM

**Invoice Total      \$1,713.00**



Company:	Asplundh Tree Expert, LLC	Customer:	BARC ELECTRIC COOPERATIVE	Cust Crew #:		Foreperson:	NULTY,MICHAEL E	State:	VA	WEEKLY TIMESHEET REPORT Form F2000			
Co. Crew #:	029396	Customer #:	048160	Type of Crew:	Tree	GF:	NULTY,MICHAEL	County:	BATH				
Contract #:	29BEC01 T	Cust. Contact:	MICHAEL KEYSER	Type of Work:	ATE - TREE TRIMMING	Supervisor:	THOMPSEN,ROIS	City:		Timesheet #	68287946		
Type of Billing:	Standard	84 HIGH ST		P.O. #:		Manager:	MESSICK,JODY	District:		Week Ending:	07/10/2021		
Project #:	20215	MILLSBORO	VA	24460	Requisition #:		Work Location:		Status:	Final			

Labor														
Last 4	Empl Name	Code	Pay Rate	ST	OT	DT	Sun	Mon	Tue	Wed	Thur	Fri	Sat	Total
3511	NULTY, MICHAEL	GF		30.00					10.00	10.00	10.00			30.00
<b>Total</b>				<b>30.00</b>					<b>10.00</b>	<b>10.00</b>	<b>10.00</b>			<b>30.00</b>

Equipment													
Equip #	Equipment Description	Code	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Total			
6144934	FORD F150	614			10.00	10.00	10.00			30.00			
<b>Total</b>					<b>10.00</b>	<b>10.00</b>	<b>10.00</b>			<b>30.00</b>			

Chemicals / Materials													
Expenses													
Units													
Activity													

Locations						Remarks
Loc ID	Date	Start Time	Stop Time	Address	Comments	
1	07/06/2021	7:00 AM	5:30 PM	bath co.		
2	07/07/2021	7:00 AM	5:30 PM	bath co.		
3	07/08/2021	7:00 AM	5:30 PM	bath co.		

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<b>TITLE</b>	ASPLUNDH Invoices 07-16-2021
<b>FILE NAME</b>	ASPLUNDH Invoices 07-16-2021.pdf
<b>DOCUMENT ID</b>	720de7969bb7e62ceba915729813e4abaed5306f
<b>AUDIT TRAIL DATE FORMAT</b>	MM / DD / YYYY
<b>STATUS</b>	● Completed

---

## Document History



SENT

**07 / 22 / 2021**

21:30:01 UTC

Sent for signature to Greg Cook (gcook@barcelectric.com)  
from cbotulinski@barcelectric.com  
IP: 216.55.240.152



VIEWED

**07 / 23 / 2021**

00:28:06 UTC

Viewed by Greg Cook (gcook@barcelectric.com)  
IP: 192.230.209.66



SIGNED

**07 / 23 / 2021**

00:28:26 UTC

Signed by Greg Cook (gcook@barcelectric.com)  
IP: 192.230.209.66



COMPLETED

**07 / 23 / 2021**

00:28:26 UTC

The document has been completed.



# Purchase Request Form

Vendor Name:	Asplundh
Contact:	
Address 1:	Post Office Box 532729
Address 2:	
City/State/Zip:	Atlanta, GA 30353-2729
Telephone/Fax/E-Mail:	
Web/E-Mail:	

APPROVALS	
Approval Date:	<input type="text" value="07/22/2021"/>
Submitted by (Name): Chris Botulinski	
Division Approval: *	
Management Approval \$20k+ (M.K.): <i>ufl</i>	
<small>* Requires approval by applicable Division Manager based on where purchased will be expensed.</small>	

DESCRIPTION OF ITEM PURCHASED						CODING INFORMATION			BUDGET INFORMATION	
Quantity	Vendor Material #	BARC Material #	Basic Description	Unit Price	Total	Dept.	G/L Account	ID Code	Budget Approval (G C)	Remaining Budget
1			66W11821 Work Order 84015		\$ 2,284.00	100	107.20	CONT 00		
1			66X21821 Work Order 84015		\$ 6,778.90	100	107.20	CONT 00	<i>ufl</i>	
1			66X21721 Work Order 84015		\$ 15,086.70	100	107.20	CONT 00		
			Shipping, Tax & Other Charges							
<b>GRAND TOTAL - ALL CHARGES</b>						<b>\$ 24,149.60</b>				

# ASPLUNDH

**Invoice**

Week Ending 07/03/2021 Invoice Date 07/09/2021 Invoice Number 66W11821

Customer #: 048160 Contract #: Z028534 P.O. #

**ASPLUNDH TREE EXPERT, LLC**  
708 BLAIR MILL ROAD  
WILLOW GROVE, PA 19090

Crew #: 029396 NULTY, MICHAEL E  
Ref #: 11537803

**REMIT TO:** P.O. BOX 532729  
Atlanta, GA 30353-2729

BC: 31 DIV: TREE TRIMMING DIVISION  
Component #: Z028535 Project #: 20215

**BILL TO:** BARC ELECTRIC COOPERATIVE  
MICHAEL KEYSER  
84 HIGH ST  
MILLSBORO, VA 24460-0000

Req #:  
Tracking: 29BEC01 LEGACY - Z028534  
Location: WARM SPRINGS AND MILBOI Control: 68287943

Description	Quantity	Unit	Unit Price	Total
GEN FOREPERSON	40.000	HRS	\$44.20	\$1,768.00
<b>TOTAL LABOR</b>	<b>40.000</b>	<b>HRS</b>		<b>\$1,768.00</b>
4X4 PICKUP	40.000	HRS	\$12.90	\$516.00
<b>TOTAL EQUIPMENT</b>	<b>40.000</b>	<b>HRS</b>		<b>\$516.00</b>
<b>SUBTOTAL</b>				<b>\$2,284.00</b>

Please call Kathy Janson at 888-462-0667 with any billing questions.  
EOE-AA: M/F/V/D  
Process Date: 7/6/2021 12:29:59PM

**Invoice Total \$2,284.00**

Company:	Asplundh Tree Expert, LLC	Customer:	BARC ELECTRIC COOPERATIVE	Cust Crew #:		Foreperson:	NULTY,MICHAEL E	State:	VA	WEEKLY TIMESHEET REPORT Form F2000			
Co. Crew #:	029396	Customer #:	048160	Type of Crew:	Tree	GF:	NULTY,MICHAEL	County:	BATH				
Contract #:	29BEC01 T	Cust. Contact:	MICHAEL KEYSER	Type of Work:	ATE - TREE TRIMMING	Supervisor:	THOMPSEN,ROIS	City:		Timesheet #	68287943		
Type of Billing:	Standard	84 HIGH ST		P.O. #:		Manager:	MESSICK,JODY	District:		Week Ending:	07/03/2021		
Project #:	20215	MILLSBORO	VA	24460	Requisition #:		Work Location:	warm springs and milboro springs			Status:	Final	

**Labor**

Last 4	Empl Name	Code	Pay Rate	ST	OT	DT	Sun	Mon	Tue	Wed	Thur	Fri	Sat	Total
3511	NULTY, MICHAEL	GF		40.00				10.00	10.00	10.00	10.00			40.00
<b>Total</b>				<b>40.00</b>				<b>10.00</b>	<b>10.00</b>	<b>10.00</b>	<b>10.00</b>			<b>40.00</b>

**Equipment**

Equip #	Equipment Description	Code	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Total
6144934	FORD F150	614		10.00	10.00	10.00	10.00			40.00
<b>Total</b>				<b>10.00</b>	<b>10.00</b>	<b>10.00</b>	<b>10.00</b>			<b>40.00</b>

**Chemicals / Materials  
Expenses  
Units  
Activity**

**Locations**

Loc ID	Date	Start Time	Stop Time	Address	Comments
1	06/28/2021	7:00 AM	5:30 PM	bath co.	
2	06/29/2021	7:00 AM	5:30 PM	bath co.	
3	06/30/2021	7:00 AM	5:30 PM	bath co.	
4	07/01/2021	7:00 AM	5:30 PM	bath co.	

**Remarks**

# ASPLUNDH

## Invoice

Week Ending 07/03/2021 Invoice Date 07/09/2021 Invoice Number 66X21621  
Customer #: 048160 Contract # Z028534 P.O. #  
Crew #: 029342 LAWSON, JASON L  
Ref #: 11537802

ASPLUNDH TREE EXPERT, LLC  
708 BLAIR MILL ROAD  
WILLOW GROVE, PA 19090

REMIT TO: P.O. BOX 532729  
Atlanta, GA 30353-2729

BC: 31 DIV: TREE TRIMMING DIVISION  
Component #: Z028535 Project # 20215

BILL TO: BARC ELECTRIC COOPERATIVE  
MICHAEL KEYSER  
84 HIGH ST  
MILLSBORO, VA 24460-0000

Req #:  
Tracking: 29BEC01 LEGACY - Z028534  
Location: MILBORO SPRINGS Control: 68287942

Description	Quantity	Unit	Unit Price	Total
FOREPERSON A	30.000	HRS	\$35.00	\$1,050.00
FOREPERSON A	40.000	HRS	\$35.00	\$1,400.00
CLIMBER A	30.000	HRS	\$30.51	\$915.30
<b>TOTAL LABOR</b>	<b>100.000</b>	<b>HRS</b>		<b>\$3,365.30</b>
SKID STEER W/CUTTER	40.000	HRS	\$45.27	\$1,810.80
CHIPPER	40.000	HRS	\$6.67	\$266.80
4X4 PICKUP	40.000	HRS	\$12.90	\$516.00
STANDARD LIFT TRUCK	40.000	HR	\$20.50	\$820.00
<b>TOTAL EQUIPMENT</b>	<b>160.000</b>	<b>HRS</b>		<b>\$3,413.60</b>
<b>SUBTOTAL</b>				<b>\$6,778.90</b>

Please call Kathy Janson at 888-462-0667 with any billing questions.  
EOE-AA: M/F/V/D  
Process Date: 7/6/2021 6:01:12PM

**Invoice Total \$6,778.90**

Company:	Asplundh Tree Expert, LLC	Customer:	BARC ELECTRIC COOPERATIVE	Cust Crew #:		Foreperson:	LAWSON,JASON L	State:	VA	WEEKLY TIMESHEET REPORT Form F2000			
Co. Crew #:	029342	Customer #:	048160	Type of Crew:	Tree	GF:	NULTY,MICHAEL	County:	BATH				
Contract #:	29BEC01 T	Cust. Contact:	MICHAEL KEYSER	Type of Work:	ATE - TREE TRIMMING	Supervisor:	THOMPSEN,ROIS	City:		Timesheet #	68287942		
Type of Billing:	Standard	84 HIGH ST		P.O. #:		Manager:	MESSICK,JODY	District:		Week Ending:	07/03/2021		
Project #:	20215	MILLSBORO	VA	24460	Requisition #:		Work Location:	milboro springs			Status:	Final	

**Labor**

Last 4	Empl Name	Code	Pay Rate	ST	OT	DT	Sun	Mon	Tue	Wed	Thur	Fri	Sat	Total
8715	LAWRENCE, CLINTON	FA		30.00				10.00	10.00	10.00				30.00
4120	LAWSON, JASON	FA		40.00				10.00	10.00	10.00	10.00			40.00
4983	SMITH JR, JASON	CA		30.00				10.00	10.00	10.00				30.00
<b>Total</b>				<b>100.00</b>				<b>30.00</b>	<b>30.00</b>	<b>30.00</b>	<b>10.00</b>			<b>100.00</b>

**Equipment**

Equip #	Equipment Description	Code	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Total
0384832	RAYCO C100			10.00	10.00	10.00	10.00			40.00
1154550	INTERSTATE 20DT			10.00	10.00	10.00	10.00			40.00
1304546	RAYCO C100R	130		10.00	10.00	10.00	10.00			40.00
4650711	VERMEER BC1000XL	465		10.00	10.00	10.00	10.00			40.00
7239710	CHEVROLET SILVERADO2500	723		10.00	10.00	10.00	10.00			40.00
8969603	FORD F750	896		10.00	10.00	10.00	10.00			40.00
<b>Total</b>					<b>60.00</b>	<b>60.00</b>	<b>60.00</b>	<b>60.00</b>		<b>240.00</b>

**Chemicals / Materials**

- Expenses
- Units
- Activity
- Locations

Loc ID	Date	Start Time	Stop Time	Address	Comments	Remarks
1	06/28/2021	7:00 AM	5:30 PM	milboro springs		
2	06/29/2021	7:00 AM	5:30 PM	milboro springs		
3	06/30/2021	7:00 AM	5:30 PM	milboro springs		
4	07/01/2021	7:00 AM	5:30 PM	milboro springs		

# ASPLUNDH

**Invoice**

Week Ending      Invoice Date      Invoice Number  
**07/03/2021**      **07/09/2021**      **66X21721**

Customer #      Contract #      P.O. #  
**048160**      **Z028534**      **23487**

Crew #: **029339**      CLIFTON,TREVOR J  
Ref #: **11537884**

**ASPLUNDH TREE EXPERT, LLC**  
**708 BLAIR MILL ROAD**  
**WILLOW GROVE, PA 19090**

**REMIT TO:** P.O. BOX 532729  
Atlanta, GA 30353-2729

BC: **31**      DIV: **TREE TRIMMING DIVISION**  
Component #: **Z028535**      Project # **20215**

**BILL TO: BARC ELECTRIC COOPERATIVE**  
**MICHAEL KEYSER**  
**84 HIGH ST**  
**MILLSBORO, VA 24460-0000**

Req #:  
Tracking: **29BEC01**      LEGACY - **Z028534**  
Location: **WARM SPRINGS**      Control: **68287941**

Description	Quantity	Unit	Unit Price	Total
CLIMBER A	30.000	HRS	\$30.51	\$915.30
FOREPERSON B	30.000	HRS	\$32.16	\$964.80
HEAVY EQUIP OPERATOR	40.000	HRS	\$37.02	\$1,480.80
EQUIP OPERATOR	40.000	HRS	\$32.16	\$1,286.40
FOREPERSON A	40.000	HRS	\$35.00	\$1,400.00
FOREPERSON B	30.000	HRS	\$32.16	\$964.80
<b>TOTAL LABOR</b>	<b>210.000</b>	<b>HRS</b>		<b>\$7,012.10</b>
SKID STEER W/CUTTER	40.000	HRS	\$45.27	\$1,810.80
CHIPPER	40.000	HRS	\$6.67	\$266.80
4X4 PICKUP	30.000	HRS	\$12.90	\$387.00
4X4 PICKUP	40.000	HRS	\$12.90	\$516.00
JARRAFF	40.000	HRS	\$60.15	\$2,406.00
PUDDLE JUMPER	40.000	HR	\$33.60	\$1,344.00
PUDDLE JUMPER	40.000	HRS	\$33.60	\$1,344.00
<b>TOTAL EQUIPMENT</b>	<b>270.000</b>	<b>HRS</b>		<b>\$8,074.60</b>
<b>SUBTOTAL</b>				<b>\$15,086.70</b>

Please call Kathy Janson at 888-462-0667 with any billing questions.  
EOE-AA: M/F/V/D  
Process Date: 7/6/2021 6:01:12PM

**Invoice Total      \$15,086.70**



Company:	Asplundh Tree Expert, LLC	Customer:	BARC ELECTRIC COOPERATIVE	Cust Crew #:		Foreperson:	CLIFTON,TREVOR J	State:	VA	WEEKLY TIMESHEET REPORT Form F2000			
Co. Crew #:	029339	Customer #:	048160	Type of Crew:	Tree	GF:	NULTY,MICHAEL	County:	BATH				
Contract #:	29BEC01 T	Cust. Contact:	MICHAEL KEYSER	Type of Work:	ATE - TREE TRIMMING	Supervisor:	THOMPSEN,ROIS	City:		Timesheet #	68287941		
Type of Billing:	Standard	84 HIGH ST		P.O. #:	23487	Manager:	MESSICK,JODY	District:		Week Ending:	07/03/2021		
Project #:	20215	MILLSBORO	VA	24460	Requisition #:		Work Location:	warm springs	Status:	Final			

Labor														
Last 4	Empl Name	Code	Pay Rate	ST	OT	DT	Sun	Mon	Tue	Wed	Thur	Fri	Sat	Total
8950	BOTKIN JR, DENNIS	CA		30.00					10.00	10.00	10.00			30.00
9063	BOYD, THOMAS	FB		30.00				10.00	10.00	10.00				30.00
9813	CLIFTON, TREVOR	HEO		40.00				10.00	10.00	10.00	10.00			40.00
2872	MOWBRAY, GROVER	EO		40.00				10.00	10.00	10.00	10.00			40.00
4817	NULTY, CHRISTOPHER	FA		40.00				10.00	10.00	10.00	10.00			40.00
4358	SHIFFLETT, TIMOTHY	FB		30.00				10.00	10.00	10.00				30.00
<b>Total</b>				<b>210.00</b>				<b>50.00</b>	<b>60.00</b>	<b>60.00</b>	<b>40.00</b>			<b>210.00</b>

Equipment													
Equip #	Equipment Description	Code	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Total			
0389594	RAYCO FM120			10.00	10.00	10.00	10.00			40.00			
1150542	INTERSTATE 20DT			10.00	10.00	10.00	10.00			40.00			
1309516	RAYCO C120R	130		10.00	10.00	10.00	10.00			40.00			
4659509	VERMEER BC1000XL	465		10.00	10.00	10.00	10.00			40.00			
7230524	FORD F250	723		10.00	10.00	10.00				30.00			
7237780	FORD F150	723		10.00	10.00	10.00	10.00			40.00			
7498636	JARRAFF 4WHEELDRIVE BRUSH CUTTER	749		10.00	10.00	10.00	10.00			40.00			
8359501	FREIGHTLINER M2	835		10.00	10.00	10.00	10.00			40.00			
8379504	FREIGHTLINER M2	837		10.00	10.00	10.00	10.00			40.00			
<b>Total</b>				<b>90.00</b>	<b>90.00</b>	<b>90.00</b>	<b>80.00</b>			<b>350.00</b>			

Chemicals / Materials						Remarks
Expenses						
Units						
Activity						
Locations						
Loc ID	Date	Start Time	Stop Time	Address	Comments	
1	06/28/2021	7:00 AM	5:30 PM	warm springs		
2	06/29/2021	7:00 AM	5:30 PM	warm springs		
3	06/30/2021	7:00 AM	5:30 PM	warm springs		
4	07/01/2021	7:00 AM	5:30 PM	milboro springs		

<b>TITLE</b>	ASPLUNDH Invoices 07-09-2021
<b>FILE NAME</b>	ASPLUNDH Invoices 07-09-2021.pdf
<b>DOCUMENT ID</b>	05980e496e79cbae6dbb30f4c1726fb642ee778f
<b>AUDIT TRAIL DATE FORMAT</b>	MM / DD / YYYY
<b>STATUS</b>	● Completed

## Document History



SENT

**07 / 22 / 2021**  
 21:29:05 UTC

Sent for signature to Greg Cook (gcook@barcelectric.com) and Mike Keyser (mkeyser@barcelectric.com) from cbotulinski@barcelectric.com  
 IP: 216.55.240.152



VIEWED

**07 / 22 / 2021**  
 22:55:56 UTC

Viewed by Mike Keyser (mkeyser@barcelectric.com)  
 IP: 192.230.208.87



SIGNED

**07 / 22 / 2021**  
 22:56:45 UTC

Signed by Mike Keyser (mkeyser@barcelectric.com)  
 IP: 192.230.208.87



VIEWED

**07 / 23 / 2021**  
 00:28:36 UTC

Viewed by Greg Cook (gcook@barcelectric.com)  
 IP: 192.230.209.66



SIGNED

**07 / 23 / 2021**  
 00:29:08 UTC

Signed by Greg Cook (gcook@barcelectric.com)  
 IP: 192.230.209.66



COMPLETED

**07 / 23 / 2021**  
 00:29:08 UTC

The document has been completed.



**BARC Electric Cooperative**

# Purchase Request Form

Vendor Name:	Asplundh
Contact:	
Address 1:	Post Office Box 532729
Address 2:	
City/State/Zip:	Atlanta, GA 30353-2729
Telephone/Fax/E-Mail:	
Web/E-Mail:	

APPROVALS	
Approval Date: 7/29/2021	
Submitted by (Name): Chris Botulinski	
Division Approval: *	
Management Approval \$20k+ (M.K.): <i>will</i>	
<small>* Requires approval by applicable Division Manager based on where purchased will be expensed.</small>	

DESCRIPTION OF ITEM PURCHASED					
Quantity	Vendor Material #	BARC Material #	Basic Description	Unit Price	Total
1			67Y30021 Work Order 84015		<b>\$ 6,625.70</b>
1			67Y30121 Work Order 84015		<b>\$ 1,256.20</b>
1			67Y30221 Work Order 84015		<b>\$ 16,639.60</b>
			Shipping, Tax & Other Charges		
<b>GRAND TOTAL - ALL CHARGES</b>					<b>\$ 24,521.50</b>

CODING INFORMATION			BUDGET INFORMATION	
Dept.	G/L Account	ID Code	Budget Approval (G C)	Remaining Budget
100	107.20	CONT 00		
100	107.20	CONT 00	<i>[Signature]</i>	
100	107.20	CONT 00		

# ASPLUNDH

## Invoice

Week Ending 07/17/2021 Invoice Date 07/23/2021 Invoice Number 67Y30021  
Customer #: 048160 Contract # Z028534 P.O. #  
Crew #: 029342 LAWSON, JASON L  
Ref #: 11564465

ASPLUNDH TREE EXPERT, LLC  
708 BLAIR MILL ROAD  
WILLOW GROVE, PA 19090

REMIT TO: P.O. BOX 532729  
Atlanta, GA 30353-2729

BC: 31 DIV: TREE TRIMMING DIVISION  
Component #: Z028535 Project # 20215

BILL TO: BARC ELECTRIC COOPERATIVE  
MICHAEL KEYSER  
84 HIGH ST  
MILLSBORO, VA 24460-0000

Req #:  
Tracking: 29BEC01 LEGACY - Z028534  
Location: MILLBORO SPRINGS Control: 68287948

Description	Quantity	Unit	Unit Price	Total
FOREPERSON A	30.000	HRS	\$35.00	\$1,050.00
FOREPERSON A	40.000	HRS	\$35.00	\$1,400.00
CLIMBER A	30.000	HRS	\$30.51	\$915.30
<b>TOTAL LABOR</b>	<b>100.000</b>	<b>HRS</b>		<b>\$3,365.30</b>
SKID STEER W/CUTTER	30.000	HRS	\$45.27	\$1,358.10
CHIPPER	30.000	HRS	\$6.67	\$200.10
4X4 PICKUP	30.000	HRS	\$12.90	\$387.00
4X4 BUCKET	30.000	HR	\$23.34	\$700.20
STANDARD LIFT TRUCK	30.000	HR	\$20.50	\$615.00
<b>TOTAL EQUIPMENT</b>	<b>150.000</b>	<b>HRS</b>		<b>\$3,260.40</b>
<b>SUBTOTAL</b>				<b>\$6,625.70</b>

**APPROVED**

By Chris Botulinski at 11:34 am, Jul 29, 2021

Company:	Asplundh Tree Expert, LLC	Customer:	BARC ELECTRIC COOPERATIVE	Cust Crew #:		Foreperson:	LAWSON,JASON L	State:	VA	WEEKLY TIMESHEET REPORT Form F2000			
Co. Crew #:	029342	Customer #:	048160	Type of Crew:	Tree	GF:	NULTY,MICHAEL	County:	BATH				
Contract #:	29BEC01 T	Cust. Contact:	MICHAEL KEYSER	Type of Work:	ATE - TREE TRIMMING	Supervisor:	THOMPSEN,ROIS	City:		Timesheet #	68287948		
Type of Billing:	Standard	84 HIGH ST		P.O. #:		Manager:	MESSICK,JODY	District:		Week Ending:	07/17/2021		
Project #:	20215	MILLSBORO	VA	24460	Requisition #:		Work Location:	millboro springs	Status:	Final			

**Labor**

Last 4	Empl Name	Code	Pay Rate	ST	OT	DT	Sun	Mon	Tue	Wed	Thur	Fri	Sat	Total
8715	LAWRENCE, CLINTON	FA		30.00				10.00	10.00	10.00				30.00
4120	LAWSON, JASON	FA		40.00				10.00	10.00	10.00	10.00			40.00
4983	SMITH JR, JASON	CA		30.00					10.00	10.00	10.00			30.00
<b>Total</b>				<b>100.00</b>				<b>20.00</b>	<b>30.00</b>	<b>30.00</b>	<b>20.00</b>			<b>100.00</b>

**Equipment**

Equip #	Equipment Description	Code	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Total
0384832	RAYCO C100				10.00	10.00	10.00			30.00
1154550	INTERSTATE 20DT				10.00	10.00	10.00			30.00
1304546	RAYCO C100R	130			10.00	10.00	10.00			30.00
4650711	VERMEER BC1000XL	465			10.00	10.00	10.00			30.00
7239710	CHEVROLET SILVERADO2500	723			10.00	10.00	10.00			30.00
8648307	GMC C6C042	864			10.00	10.00	10.00			30.00
8969603	FORD F750	896			10.00	10.00	10.00			30.00
<b>Total</b>					<b>70.00</b>	<b>70.00</b>	<b>70.00</b>			<b>210.00</b>

**Chemicals / Materials**  
Expenses  
Units  
Activity  
Locations

Loc ID	Date	Start Time	Stop Time	Address	Comments
1	07/12/2021	7:00 AM	5:30 PM	bath co.	
2	07/13/2021	7:00 AM	5:30 PM	bath co.	
3	07/14/2021	7:00 AM	5:30 PM	bath co.	
4	07/15/2021	7:00 AM	5:30 PM	bath co.	

**Remarks**

# ASPLUNDH

**Invoice**

Week Ending 07/17/2021 Invoice Date 07/23/2021 Invoice Number 67Y30121  
Customer #: 048160 Contract # Z028534 P.O. #  
Crew #: 029396 NULTY, MICHAEL E  
Ref #: 11564584

ASPLUNDH TREE EXPERT, LLC  
708 BLAIR MILL ROAD  
WILLOW GROVE, PA 19090

REMIT TO: P.O. BOX 532729  
Atlanta, GA 30353-2729

BC: 31 DIV: TREE TRIMMING DIVISION  
Component #: Z028535 Project # 20215

BILL TO: BARC ELECTRIC COOPERATIVE  
MICHAEL KEYSER  
84 HIGH ST  
MILLSBORO, VA 24460-0000

Req #:  
Tracking: 29BEC01 LEGACY - Z028534  
Location: MILLBORO SPRINGS Control: 68287949

Description	Quantity	Unit	Unit Price	Total
GEN FOREPERSON	22.000	HRS	\$44.20	\$972.40
<b>TOTAL LABOR</b>	<b>22.000</b>	<b>HRS</b>		<b>\$972.40</b>
4X4 PICKUP	22.000	HRS	\$12.90	\$283.80
<b>TOTAL EQUIPMENT</b>	<b>22.000</b>	<b>HRS</b>		<b>\$283.80</b>
<b>SUBTOTAL</b>				<b>\$1,256.20</b>

**APPROVED**  
By Chris Botulinski at 11:35 am, Jul 29, 2021

Company:	Asplundh Tree Expert, LLC	Customer:	BARC ELECTRIC COOPERATIVE	Cust Crew #:		Foreperson:	NULTY,MICHAEL E	State:	VA	WEEKLY TIMESHEET REPORT Form F2000			
Co. Crew #:	029396	Customer #:	048160	Type of Crew:	Tree	GF:	NULTY,MICHAEL	County:	BATH				
Contract #:	29BEC01 T	Cust. Contact:	MICHAEL KEYSER	Type of Work:	ATE - TREE TRIMMING	Supervisor:	THOMPSEN,ROIS	City:		Timesheet #	68287949		
Type of Billing:	Standard	84 HIGH ST		P.O. #:		Manager:	MESSICK,JODY	District:		Week Ending:	07/17/2021		
Project #:	20215	MILLSBORO	VA	24460	Requisition #:		Work Location:	millboro springs			Status:	Final	

**Labor**

Last 4	Empl Name	Code	Pay Rate	ST	OT	DT	Sun	Mon	Tue	Wed	Thur	Fri	Sat	Total
3511	NULTY, MICHAEL	GF		22.00				10.00	4.00	4.00	4.00			22.00
<b>Total</b>				<b>22.00</b>				<b>10.00</b>	<b>4.00</b>	<b>4.00</b>	<b>4.00</b>			<b>22.00</b>

**Equipment**

Equip #	Equipment Description	Code	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Total
6144934	FORD F150	614		10.00	4.00	4.00	4.00			22.00
<b>Total</b>				<b>10.00</b>	<b>4.00</b>	<b>4.00</b>	<b>4.00</b>			<b>22.00</b>

**Chemicals / Materials  
Expenses  
Units  
Activity**

**Locations**

Loc ID	Date	Start Time	Stop Time	Address	Comments	Remarks
1	07/12/2021	7:00 AM	5:30 PM	bath co		
2	07/13/2021	7:00 AM	5:30 PM	bath co		
3	07/14/2021	7:00 AM	5:30 PM	bath co		
4	07/15/2021	7:00 AM	5:30 PM	bath co		



# ASPLUNDH

## Invoice

Week Ending 07/17/2021 Invoice Date 07/23/2021 Invoice Number 67Y30221  
 Customer #: 048160 Contract # Z028534 P.O. #  
 Crew #: 029339 CLIFTON, TREVOR J  
 Ref #: 11564836

ASPLUNDH TREE EXPERT, LLC  
 708 BLAIR MILL ROAD  
 WILLOW GROVE, PA 19090

REMIT TO: P.O. BOX 532729  
 Atlanta, GA 30353-2729

BC: 31 DIV: TREE TRIMMING DIVISION  
 Component #: Z028535 Project # 20215

BILL TO: BARC ELECTRIC COOPERATIVE  
 MICHAEL KEYSER  
 84 HIGH ST  
 MILLSBORO, VA 24460-0000

Req #:  
 Tracking: 29BEC01 LEGACY - Z028534  
 Location: MILLBORO SPRINGS Control: 68287947

Description	Quantity	Unit	Unit Price	Total
CLIMBER A	40.000	HRS	\$30.51	\$1,220.40
FOREPERSON B	40.000	HRS	\$32.16	\$1,286.40
HEAVY EQUIP OPERATOR	40.000	HRS	\$37.02	\$1,480.80
EQUIP OPERATOR	40.000	HRS	\$32.16	\$1,286.40
FOREPERSON A	40.000	HRS	\$35.00	\$1,400.00
FOREPERSON B	40.000	HRS	\$32.16	\$1,286.40
<b>TOTAL LABOR</b>	<b>240.000</b>	<b>HRS</b>		<b>\$7,960.40</b>
SKID STEER W/CUTTER	40.000	HRS	\$45.27	\$1,810.80
CHIPPER	40.000	HRS	\$6.67	\$266.80
4X4 PICKUP	40.000	HRS	\$12.90	\$516.00
4X4 PICKUP	40.000	HRS	\$12.90	\$516.00
JARRAFF	40.000	HRS	\$60.15	\$2,406.00
SPLIT DUMP	40.000	HRS	\$11.89	\$475.60
PUDDLE JUMPER	40.000	HR	\$33.60	\$1,344.00
PUDDLE JUMPER	40.000	HRS	\$33.60	\$1,344.00
<b>TOTAL EQUIPMENT</b>	<b>320.000</b>	<b>HRS</b>		<b>\$8,679.20</b>
<b>SUBTOTAL</b>				<b>\$16,639.60</b>

**APPROVED**

By Chris Botulinski at 11:35 am, Jul 29, 2021

Company:	Asplundh Tree Expert, LLC	Customer:	BARC ELECTRIC COOPERATIVE	Cust Crew #:		Foreperson:	CLIFTON,TREVOR J	State:	VA	WEEKLY TIMESHEET REPORT Form F2000			
Co. Crew #:	029339	Customer #:	048160	Type of Crew:	Tree	GF:	NULTY,MICHAEL	County:	BATH				
Contract #:	29BEC01 T	Cust. Contact:	MICHAEL KEYSER	Type of Work:	ATE - TREE TRIMMING	Supervisor:	THOMPSEN,ROIS	City:		Timesheet #	68287947		
Type of Billing:	Standard	84 HIGH ST		P.O. #:		Manager:	MESSICK,JODY	District:		Week Ending:	07/17/2021		
Project #:	20215	MILLSBORO	VA	24460	Requisition #:		Work Location:	millboro springs			Status:	Final	

Labor														
Last 4	Empl Name	Code	Pay Rate	ST	OT	DT	Sun	Mon	Tue	Wed	Thur	Fri	Sat	Total
8950	BOTKIN JR, DENNIS	CA		40.00				10.00	10.00	10.00	10.00			40.00
9063	BOYD, THOMAS	FB		40.00				10.00	10.00	10.00	10.00			40.00
9813	CLIFTON, TREVOR	HEO		40.00				10.00	10.00	10.00	10.00			40.00
2872	MOWBRAY, GROVER	EO		40.00				10.00	10.00	10.00	10.00			40.00
4817	NULTY, CHRISTOPHER	FA		40.00				10.00	10.00	10.00	10.00			40.00
4358	SHIFFLETT, TIMOTHY	FB		40.00				10.00	10.00	10.00	10.00			40.00
<b>Total</b>				<b>240.00</b>				<b>60.00</b>	<b>60.00</b>	<b>60.00</b>	<b>60.00</b>			<b>240.00</b>

Equipment													
Equip #	Equipment Description	Code	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Total			
0389594	RAYCO FM120			10.00	10.00	10.00	10.00			40.00			
1150542	INTERSTATE 20DT			10.00	10.00	10.00	10.00			40.00			
1309516	RAYCO C120R	130		10.00	10.00	10.00	10.00			40.00			
4659509	VERMEER BC1000XL	465		10.00	10.00	10.00	10.00			40.00			
7230524	FORD F250	723		10.00	10.00	10.00	10.00			40.00			
7237780	FORD F150	723		10.00	10.00	10.00	10.00			40.00			
7498636	JARRAFF 4WHEELDRIVE BRUSH CUTTER	749		10.00	10.00	10.00	10.00			40.00			
7524532	FORD F550	752		10.00	10.00	10.00	10.00			40.00			
8359501	FREIGHTLINER M2	835		10.00	10.00	10.00	10.00			40.00			
8379504	FREIGHTLINER M2	837		10.00	10.00	10.00	10.00			40.00			
<b>Total</b>				<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>			<b>400.00</b>			

Chemicals / Materials						Remarks
Expenses						
Units						
Activity						
Locations						
Loc ID	Date	Start Time	Stop Time	Address	Comments	

1	07/12/2021	7:00 AM	5:30 PM	bath co.	
2	07/13/2021	7:00 AM	5:30 PM	bath co.	
3	07/14/2021	7:00 AM	5:30 PM	bath co.	
4	07/15/2021	7:00 AM	5:30 PM	bath co.	

<b>TITLE</b>	ASPLUNDH Invoices 07-29-2021
<b>FILE NAME</b>	ASPLUNDH Invoices 07-29-2021.pdf
<b>DOCUMENT ID</b>	b1bf891c2d219b726cde3be47eb15b1dc0519e06
<b>AUDIT TRAIL DATE FORMAT</b>	MM / DD / YYYY
<b>STATUS</b>	● Completed

## Document History



SENT

**07 / 29 / 2021**  
 15:38:05 UTC

Sent for signature to Greg Cook (gcook@barcelectric.com) and Mike Keyser (mkeyser@barcelectric.com) from cbotulinski@barcelectric.com  
 IP: 216.55.240.152



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**07 / 29 / 2021**  
 15:47:20 UTC

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 IP: 192.230.209.66



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 20:44:41 UTC

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 IP: 174.206.102.113



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 IP: 174.206.102.113




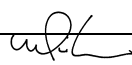
COMPLETED

**07 / 29 / 2021**  
 20:44:59 UTC

The document has been completed.

## DERIVATION OF COSTS ITEM 4

FIBER ENGINEERING, MAKE-READY AND  
CONSTRUCTION (INCLUDES LABOR AND  
MATERIALS)

<b>APPROVALS</b>		Vendor Name:	Vantage Point Solutions
Approval Date:		Contact:	Stephanie Nemeč
Submitted by Courtney Perdue 07/21/21		Address 1:	2211 N. Minnesota St.
Division Approval: 		City/State/Zip:	Mitchell, SD 57301
CEO Approval (+\$20k): 		Telephone/Fax/E-Mail:	(605) 995-1791
		E-Mail:	<a href="mailto:billingteam@vantagepnt.com">billingteam@vantagepnt.com</a>



**DESCRIPTION OF ITEM PURCHASED**

**CODING INFORMATION**

Quantity	Vendor Material #	BARC Material #	Basic Description	Unit Price	Total	Dept.	G/L Account	Work Order/ Proj #	ID Code
			RDOF Post-Auction Services			100	107.22	169	CNTR 00
			Monthly Regulatory Filing Fee		\$ 195.00	100	107.22	169	CNTR 00
			CALEA Monthly Recurring Fee		\$ 275.00	100	107.22	169	CNTR 00
			HUBB Reporting			100	107.22	169	CNTR 00
			As-built Mapping		\$ 17,027.50	100	121.99		CNTR 00
			Effinger-Glasgow VATI funded		\$ 27,577.87	100	107.20	84000	CNTR 00
			South Buffalo VATI funded		\$ 16,866.57	100	107.20	84003	CNTR 00
			Big Hill VATI funded		\$ 2,085.64	100	107.20	84001	CNTR 00
			S River/Vesuvius VATI funded		\$ 11,552.92	100	107.20	84002	
			OSP Inspections		\$ 1,167.50	100	121.99		CNTR 00
			Engineering & Design - Warm Springs		\$ 10,380.00	100	107.20	84336	CNTR 00
			Engineering & Design - Hot Springs		\$ 6,402.50	100	107.20	84337	CNTR 00
			Engineering & Design - Falling Springs		\$ 7,693.92	100	107.20	84339	CNTR 00
			CARES Act			100	107.22	230	CNTR 00
			Make Ready		\$ 8,809.78	100	121.99		CNTR 00
			Make Ready - Botetourt		\$ 1,775.00	100	107.20	70006	CNTR 00
			Make Ready - Millboro Springs West			100	107.20	84014	CNTR 00
			Inspection Services-Downtown Lexington		\$ 6,375.64	100	107.20	70001	CNTR 00
			Goshen ARC		\$ 16,477.18	100	107.20	70002	CNTR 00
			Staking/Mapping		\$ 74,355.00	100	121.99		CNTR 00
			GIS Collection			100	121.99		CNTR 00
			Administrative Costs and General Consulting		\$ 14,342.02	100	121.99		CNTR 00
			<b>Shipping, Tax &amp; Other Charges</b>						

**GRAND TOTAL - ALL CHARGES**      \$ 223,359.04

INVOICE NO.	DESCRIPTION	AMOUNT	Dept.	G/L Account	Work Order/ Proj #	ID Code
147626	CALEA Monthly Recurring Fee	275.00	100	107.22	169	CNTR 00
147866	Monthly Regulatory Filing Fee	195.00	100	107.22	169	CNTR 00
147950	Staking/Mapping	4,371.00	100	121.99		CNTR 00
147952	Staking/Mapping	69,984.00	100	121.99		CNTR 00
149097	OSP Inspections	390.00	100	121.99		CNTR 00
149098	As-built Mapping	4,615.00	100	121.99		CNTR 00
149099	Big Hill VATI funded	2,025.64	100	107.20	84001	CNTR 00
149100	Big Hill VATI funded	60.00	100	107.20	84001	CNTR 00
149101	OSP Inspections	777.50	100	121.99		CNTR 00
149102	As-built Mapping	1,657.50	100	121.99		CNTR 00
149103	Effinger-Glasgow VATI funded	17,392.87	100	107.20	84000	CNTR 00
149104	Effinger-Glasgow VATI funded	10,185.00	100	107.20	84000	CNTR 00
149105	Goshen ARC	455.00	100	107.20	70002	CNTR 00
149106	Goshen ARC	14,454.68	100	107.20	70002	CNTR 00
149107	Goshen ARC	1,070.00	100	107.20	70002	CNTR 00
149108	Goshen ARC	497.50	100	107.20	70002	CNTR 00
149109	S River/Vesuvius VATI funded	10,587.92	100	107.20	84002	CNTR 01
149110	S River/Vesuvius VATI funded	65.00	100	107.20	84002	CNTR 01
149111	S River/Vesuvius VATI funded	900.00	100	107.20	84002	CNTR 01
149112	South Buffalo VATI funded	14,851.57	100	107.20	84003	CNTR 00
149113	South Buffalo VATI funded	2,015.00	100	107.20	84003	CNTR 00
149114	Engineering & Design - Falling Springs	7,693.92	100	107.20	84339	CNTR 00
149115	Inspection Services-Downtown Lexington	6,375.64	100	107.20	70001	CNTR 00
149116	As-built Mapping	10,755.00	100	121.99		CNTR 00
149117	Administrative Costs and General Consulting	480.00	100	121.99		CNTR 00
149118	Administrative Costs and General Consulting	6,324.52	100	121.99		CNTR 00
149119	Make Ready - Botetourt	1,775.00	100	107.20	70006	CNTR 00
149120	Engineering & Design - Warm Springs	10,380.00	100	107.20	84336	CNTR 00
149120	Engineering & Design - Hot Springs	6,402.50	100	107.20	84337	CNTR 00
149120	Make Ready	8,809.78	100	121.99		CNTR 00
149121	Administrative Costs and General Consulting	7,322.50	100	121.99		CNTR 00
149122	Administrative Costs and General Consulting	215.00	100	121.99		CNTR 00

**223,359.04**

Statement Balance 07/09/2021  
Diff

223,291.54  
(67.50)



# Statement

Date

7/9/2021

**To:**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

Amount Due	Amount Enclosed
\$223,291.54	

Date	Transaction	Amount	Balance
06/11/2021	Balance forward		565,812.22
	VA-BARCEL-NA:[OSP] 19 OSP Engineering:P14.0 - OSP Inspection Services-		
06/18/2021	PMT #161329. Payment - Thank you!	-975.00	564,837.22
06/29/2021	PMT #161451. Payment - Thank you!	-3,021.42	561,815.80
06/30/2021	INV #149097.	390.00	562,205.80
	VA-BARCEL-NA:[OSP] 19 OSP Engineering:P22.0 - As-Built Records/Mapping-		
06/18/2021	PMT #161329. Payment - Thank you!	-17,632.50	544,573.30
06/29/2021	PMT #161451. Payment - Thank you!	-2,225.00	542,348.30
06/30/2021	INV #149098.	4,615.00	546,963.30
	VA-BARCEL-NA:[OSP] 19 OSP Engineering:P5.1 - Staking & Mapping Services-		
06/18/2021	PMT #161329. Payment - Thank you!	-10,359.00	536,604.30
06/30/2021	INV #147950.	4,371.00	540,975.30
	VA-BARCEL-NA:[OSP] 20-21 Remaining Projects:P1.0 - Project Management-		
06/18/2021	PMT #161329. Payment - Thank you!	-740.00	540,235.30
06/29/2021	PMT #161451. Payment - Thank you!	-8,368.46	531,866.84
06/30/2021	INV #149114.	7,693.92	539,560.76
	VA-BARCEL-NA:[OSP] 20-21 Remaining Projects:P14.0 - OSP Inspection Services-		
06/18/2021	PMT #161329. Payment - Thank you!	-38,939.35	500,621.41
06/29/2021	PMT #161451. Payment - Thank you!	-6,605.20	494,016.21
06/30/2021	INV #149115.	6,375.64	500,391.85
	VA-BARCEL-NA:[OSP] 20-21 Remaining Projects:P22.0 - As-Built Records/Mapping-		
06/18/2021	PMT #161329. Payment - Thank you!	-11,170.00	489,221.85
06/29/2021	PMT #161451. Payment - Thank you!	-11,932.50	477,289.35

<b>Amount Due</b>
-------------------

We appreciate your business.

Please direct any billing questions to Stephanie Nemecek at (605) 995-1791 or send e-mail to [BillingTeam@vantagepnt.com](mailto:BillingTeam@vantagepnt.com).

\$223,291.54





# Statement

Date

7/9/2021

**To:**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

Amount Due	Amount Enclosed
\$223,291.54	

Date	Transaction	Amount	Balance
06/30/2021	INV #149116.	10,755.00	488,044.35
	VA-BARCEL-NA:[OSP] 20-21 Remaining Projects:P3.0 - ROW Permitting / City Coordination-		
06/18/2021	PMT #161329. Payment - Thank you!	-390.00	487,654.35
06/29/2021	PMT #161451. Payment - Thank you!	-690.00	486,964.35
06/30/2021	INV #149117.	480.00	487,444.35
	VA-BARCEL-NA:[OSP] 20-21 Remaining Projects:P5.1 - Staking & Mapping Services-		
06/18/2021	PMT #161329. Payment - Thank you!	-1,906.00	485,538.35
06/30/2021	INV #147952.	69,984.00	555,522.35
	VA-BARCEL-NA:[OSP] 20 Big Hill VATI Area:P14.0 - OSP Inspection Services-		
06/18/2021	PMT #161329. Payment - Thank you!	-7,004.60	548,517.75
06/29/2021	PMT #161451. Payment - Thank you!	-390.00	548,127.75
06/30/2021	INV #149099.	2,025.64	550,153.39
	VA-BARCEL-NA:[OSP] 20 Big Hill VATI Area:P22.0 - As-Built Records/Mapping-		
06/29/2021	PMT #161451. Payment - Thank you!	-480.00	549,673.39
06/30/2021	INV #149100.	60.00	549,733.39
	VA-BARCEL-NA:[OSP] 20 Big Hill VATI Area:P3.0 - ROW Permitting / City Coordination-		
06/18/2021	PMT #161329. Payment - Thank you!	-2,280.00	547,453.39
06/29/2021	PMT #161451. Payment - Thank you!	-1,950.00	545,503.39
	VA-BARCEL-NA:[OSP] 20 Cares Act:P14.0 - OSP Inspection Services-		
06/18/2021	PMT #161329. Payment - Thank you!	-436.90	545,066.49
06/29/2021	PMT #161451. Payment - Thank you!	-337.50	544,728.99
06/30/2021	INV #149101.	777.50	545,506.49

We appreciate your business.

Please direct any billing questions to Stephanie Nemeč at (605) 995-1791 or send e-mail to [BillingTeam@vantagepnt.com](mailto:BillingTeam@vantagepnt.com).

<b>Amount Due</b>
-------------------

\$223,291.54



# Statement

Date

7/9/2021

**To:**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

Amount Due	Amount Enclosed
\$223,291.54	

Date	Transaction	Amount	Balance
	VA-BARCEL-NA:[OSP] 20 Cares Act:P22.0 - As-Built Records/Mapping-		
06/18/2021	PMT #161329. Payment - Thank you!	-4,617.50	540,888.99
06/29/2021	PMT #161451. Payment - Thank you!	-2,380.00	538,508.99
06/30/2021	INV #149102.	1,657.50	540,166.49
	VA-BARCEL-NA:[OSP] 20 Effinger-Glasgow VATI Area:P14.0 - OSP Inspection Services-		
06/18/2021	PMT #161329. Payment - Thank you!	-32,382.33	507,784.16
06/29/2021	PMT #161451. Payment - Thank you!	-32,485.67	475,298.49
06/30/2021	INV #149103.	17,392.87	492,691.36
	VA-BARCEL-NA:[OSP] 20 Effinger-Glasgow VATI Area:P22.0 - As-Built Records/Mapping-		
06/18/2021	PMT #161329. Payment - Thank you!	-2,627.50	490,063.86
06/29/2021	PMT #161451. Payment - Thank you!	-6,645.00	483,418.86
06/30/2021	INV #149104.	10,185.00	493,603.86
	VA-BARCEL-NA:[OSP] 20 Goshen OSP Engineering:P1.0 - Project Management-		
06/18/2021	PMT #161329. Payment - Thank you!	-752.50	492,851.36
06/29/2021	PMT #161451. Payment - Thank you!	-477.50	492,373.86
06/30/2021	INV #149105.	455.00	492,828.86
	VA-BARCEL-NA:[OSP] 20 Goshen OSP Engineering:P14.0 - OSP Inspection Services-		
06/18/2021	PMT #161329. Payment - Thank you!	-8,091.42	484,737.44
06/29/2021	PMT #161451. Payment - Thank you!	-19,404.42	465,333.02
06/30/2021	INV #149106.	14,454.68	479,787.70
	VA-BARCEL-NA:[OSP] 20 Goshen OSP Engineering:P15.1 - Pre-Construction Conference-		
06/18/2021	PMT #161329. Payment - Thank you!	-3,500.00	476,287.70

<b>Amount Due</b>
-------------------

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 send e-mail to [BillingTeam@vantagepnt.com](mailto:BillingTeam@vantagepnt.com).

\$223,291.54



# Statement

Date

7/9/2021

**To:**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

Amount Due	Amount Enclosed
\$223,291.54	

Date	Transaction	Amount	Balance
	VA-BARCEL-NA:[OSP] 20 Goshen OSP Engineering:P22.0 - As-Built Records/Mapping-		
06/29/2021	PMT #161451. Payment - Thank you!	-1,315.00	474,972.70
06/30/2021	INV #149107.	1,070.00	476,042.70
	VA-BARCEL-NA:[OSP] 20 Goshen OSP Engineering:P3.0 - ROW Permitting / City Coordination-		
06/29/2021	PMT #161451. Payment - Thank you!	-360.00	475,682.70
06/30/2021	INV #149108.	497.50	476,180.20
	VA-BARCEL-NA:[OSP] 20 S River-Vesuvius VATI Area:P1.0 - Project Management-		
06/18/2021	PMT #161329. Payment - Thank you!	-1,803.30	474,376.90
	VA-BARCEL-NA:[OSP] 20 S River-Vesuvius VATI Area:P14.0 - OSP Inspection Services-		
06/29/2021	PMT #161451. Payment - Thank you!	-1,842.76	472,534.14
06/30/2021	INV #149109.	10,587.92	483,122.06
	VA-BARCEL-NA:[OSP] 20 S River-Vesuvius VATI Area:P22.0 - As-Built Records/Mapping-		
06/30/2021	INV #149110.	65.00	483,187.06
	VA-BARCEL-NA:[OSP] 20 S River-Vesuvius VATI Area:P3.0 - ROW Permitting / City Coordination-		
06/18/2021	PMT #161329. Payment - Thank you!	-690.00	482,497.06
06/29/2021	PMT #161451. Payment - Thank you!	-180.00	482,317.06
06/30/2021	INV #149111.	900.00	483,217.06
	VA-BARCEL-NA:[OSP] 20 South Buffalo VATI Area:P14.0 - OSP Inspection Services-		
06/18/2021	PMT #161329. Payment - Thank you!	-2,543.64	480,673.42
06/29/2021	PMT #161451. Payment - Thank you!	-14,034.99	466,638.43
06/30/2021	INV #149112.	14,851.57	481,490.00

We appreciate your business.

<b>Amount Due</b>
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\$223,291.54



# Statement

Date  
7/9/2021

**To:**

BARC Electric Cooperative  
84 High Street  
PO Box 264  
Millboro, VA 24460

Amount Due	Amount Enclosed
\$223,291.54	

Date	Transaction	Amount	Balance
06/30/2021	VA-BARCEL-NA:[OSP] 20 South Buffalo VATI Area:P22.0 - As-Built Records/Mapping- INV #149113.	2,015.00	483,505.00
06/18/2021	VA-BARCEL-NA:[OSP] 22 OSP Projects:P1.0 - Project Management- PMT #161329. Payment - Thank you!	-900.00	482,605.00
06/29/2021	PMT #161451. Payment - Thank you!	-2,497.50	480,107.50
06/30/2021	INV #149118.	6,324.52	486,432.02
06/18/2021	VA-BARCEL-NA:[OSP] 22 OSP Projects:P3.0 - ROW Permitting / City Coordination- PMT #161329. Payment - Thank you!	-30.00	486,402.02
06/29/2021	PMT #161451. Payment - Thank you!	-60.00	486,342.02
06/29/2021	VA-BARCEL-NA:[Sp Proj] 20 RDOF Bidding Services:A3.0 - Post-Auction Services- PMT #161451. Payment - Thank you!	-215.00	486,127.02
06/18/2021	VA-BARCEL-NA:[Sp Proj] 20/21 Data Collection:A2.1 - Data Collection Services- PMT #161329. Payment - Thank you!	-101,055.00	385,072.02
06/18/2021	VA-BARCEL-NA:[Sp Proj] 20/21 Data Collection:A3.0 - MRE / Paperwork- PMT #161329. Payment - Thank you!	-14,695.81	370,376.21
06/29/2021	PMT #161451. Payment - Thank you!	-4,049.59	366,326.62
06/30/2021	INV #149119.	1,775.00	368,101.62
06/29/2021	VA-BARCEL-NA:[Sp Proj] 22 Data Collection:A2.1 - Data Collection Services- PMT #161451. Payment - Thank you!	-81,239.00	286,862.62
	VA-BARCEL-NA:[Sp Proj] 22 Data Collection:A3.0 - MRE / Paperwork-		

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<b>Amount Due</b>
-------------------

\$223,291.54



# Statement

Date

7/9/2021

**To:**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

Amount Due	Amount Enclosed
\$223,291.54	

Date	Transaction	Amount	Balance
06/18/2021	PMT #161329. Payment - Thank you!	-15,042.50	271,820.12
06/29/2021	PMT #161451. Payment - Thank you!	-20,377.50	251,442.62
06/30/2021	INV #149120.	25,592.28	277,034.90
	VA-BARCEL-NA:[Sp Proj] Regulatory Filing Package:A1.1 - Project Design-		
06/18/2021	PMT #161329. Payment - Thank you!	-195.00	276,839.90
06/29/2021	PMT #161451. Payment - Thank you!	-195.00	276,644.90
06/30/2021	INV #147866.	195.00	276,839.90
	VA-BARCEL-NA:A1.1 - [Sp Proj] 20 CALEA Broadband TTP-		
06/18/2021	PMT #161329. Payment - Thank you!	-275.00	276,564.90
06/29/2021	PMT #161451. Payment - Thank you!	-275.00	276,289.90
06/30/2021	INV #147626.	275.00	276,564.90
	VA-BARCEL:A1.0 - [GC] General Consulting-		
06/18/2021	PMT #161329. Payment - Thank you!	-40,014.62	236,550.28
06/29/2021	PMT #161451. Payment - Thank you!	-19,856.24	216,694.04
06/30/2021	INV #149121.	7,322.50	224,016.54
	VA-BARCEL:S1.0 - [REV] Revenue Consulting-		
06/18/2021	PMT #161329. Payment - Thank you!	-855.00	223,161.54
06/29/2021	PMT #161451. Payment - Thank you!	-85.00	223,076.54
06/30/2021	INV #149122.	215.00	223,291.54

We appreciate your business.

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<b>Amount Due</b>
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\$223,291.54



# Invoice

<b>Date</b>	<b>Invoice #</b>
6/30/2021	149097

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A**Project:** [OSP] 19 OSP Engineering**Work Code:** P14.0 - OSP Inspection Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
5/28/2021	Ann Carpenter	Invoicing-Contract 2B	1	65.00	65.00
6/14/2021	Ann Carpenter	Invoicing (Contract 2B)	0.5	65.00	32.50
6/15/2021	Ann Carpenter	Invoicing (Contract 2B)	4.5	65.00	292.50

**Terms: Net 30***Our team at Vantage Point appreciates your business!**Please direct any billing questions to Stephanie Nemec at (605) 995-1791 or send e-mail to [BillingTeam@vantagepnt.com](mailto:BillingTeam@vantagepnt.com).*

<b>Subtotal</b>	\$390.00
<b>Sales Tax (0.0%)</b>	\$0.00
<b>Balance Due</b>	\$390.00



# Invoice

**Date**                      **Invoice #**  
 6/30/2021                      149098

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 19 OSP Engineering

**Work Code:** P22.0 - As-Built Records/Mapping

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
5/24/2021	Kyle Moe (CAD)	As-Built Mapping Millboro	8	65.00	520.00
5/25/2021	Kyle Moe (CAD)	As-Built Mapping Millboro	9	65.00	585.00
5/26/2021	Kyle Moe (CAD)	As-Built Mapping	6	65.00	390.00
5/27/2021	Kyle Moe (CAD)	As-Built Mapping	7	65.00	455.00
5/28/2021	Kyle Moe (CAD)	As-Built Mapping	5	65.00	325.00
5/28/2021	Kyle Moe (CAD)	As-Built Mapping	2	65.00	130.00
6/1/2021	Kyle Moe (CAD)	As-Built Mapping	9	65.00	585.00
6/2/2021	Kyle Moe (CAD)	As-Built Mapping	9	65.00	585.00
6/3/2021	Kyle Moe (CAD)	As-Built Mapping	8	65.00	520.00
6/4/2021	Kyle Moe (CAD)	As-Built Mapping	8	65.00	520.00

**Terms: Net 30**

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**Subtotal**                                      \$4,615.00  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$4,615.00





# Invoice

**Date**                      **Invoice #**  
 6/30/2021                      147950

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A  
**Project:** [OSP] 19 OSP Engineering  
**Work Code:** P5.1 - Staking & Mapping Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/30/2021	OSP Contract	Staking/Mapping Billing	1	4,371.00	4,371.00
		Billed @ 100% = \$ 514,326			
		Previous Billing = \$ 509,954			
		Net = \$ 4,371			
		Rural = 3.6 mi @ \$0.23/ft			

**Terms: Net 30**

*Our team at Vantage Point appreciates your business!*

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**Subtotal**                                      \$4,371.00  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$4,371.00



# Invoice

**Date**                      **Invoice #**  
 6/30/2021                      149114

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20-21 Remaining Projects

**Work Code:** P1.0 - Project Management

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
5/24/2021	Jason Bays (OSP)	Millboro-Falling Spring Route Review	13	65.00	845.00
5/25/2021	Jason Bays (OSP)	Millboro-Falling Spring Route Review	12	65.00	780.00
5/26/2021	Jason Bays (OSP)	Millboro-Falling Spring Route Review	12	65.00	780.00
5/27/2021	Jason Bays (OSP)	Millboro-Falling Spring Route Review	3	65.00	195.00
5/27/2021	Jason Bays (OSP)	Millboro-Falling Spring Route Review	9	65.00	585.00
5/28/2021	Jason Bays (OSP)	Millboro-Falling Spring Route Review	13	65.00	845.00
6/1/2021	Jason Bays (OSP)	Millboro-Falling Spring Route Review	14	65.00	910.00
6/2/2021	Kris Scheetz	Project Planning / Coordination	1	75.00	75.00
6/2/2021	Jason Bays (OSP)	Millboro-Falling Spring Route Review	14	65.00	910.00
6/2/2021	Brenda Green	Updating BARC layouts and maps for access points and with field info	3	95.00	285.00
6/3/2021	Charleen Long	Reporting / Task Management	0.5	60.00	30.00
6/16/2021	Charleen Long	Reporting / Task Management	0.5	60.00	30.00
	Reimb. Expenses				
5/29/2021		Dining (Jason Bays (OSP))		160.00	160.00
5/29/2021		Motel 05/24/2021 - 05/27/2021 (Jason Bays)		276.72	276.72
5/29/2021		Mileage (Jason Bays (OSP))		565.60	565.60
6/5/2021		Dining (Jason Bays (OSP))		64.00	64.00
6/5/2021		Motel 06/01/2021 - 06/02/2021 (Jason Bays)		138.36	138.36
6/5/2021		Mileage (Jason Bays (OSP))		219.24	219.24
		Total Reimbursable Expenses			1,423.92

**Terms: Net 30**

*Our team at Vantage Point appreciates your business!*

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**Subtotal**                                      \$7,693.92  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$7,693.92



# Invoice

Date: 6/30/2021  
 Invoice #: 149115

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20-21 Remaining Projects

**Work Code:** P14.0 - OSP Inspection Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
5/23/2021	Richard Field	Jacktown final drive out inspection	3.5	60.00	210.00
5/24/2021	John Howe	Downtown lex,70001	1	60.00	60.00
5/25/2021	John Howe	Downtown lex,70001	3	60.00	180.00
6/1/2021	John Howe	Downtown lex,70001	0.5	60.00	30.00
6/3/2021	John Howe	Downtown lex,70001	0.5	60.00	30.00
6/4/2021	John Howe	Downtown lex,70001	2	60.00	120.00
6/5/2021	John Howe	Downtown lex,70001	2	60.00	120.00
6/7/2021	John Howe	Downtown lex,70001	7	60.00	420.00
6/10/2021	John Howe	Downtown lex,70001	6	60.00	360.00
6/11/2021	John Howe	Downtown lex,70001	8	60.00	480.00
6/12/2021	John Howe	Downtown lex,70001	11	60.00	660.00
6/14/2021	John Howe	Downtown lex,70001	6.5	60.00	390.00
6/15/2021	John Howe	Downtown lex,70001	6	60.00	360.00
6/16/2021	John Howe	Downtown lex,70001	9	60.00	540.00
6/17/2021	John Howe	Downtown lex,70001	7.5	60.00	450.00
6/18/2021	John Howe	Downtown lex,70001	11	60.00	660.00
6/19/2021	John Howe	Downtown lex,70001	11	60.00	660.00
	Reimb. Expenses				
5/29/2021		Dining (John Howe)		6.00	6.00
5/29/2021		Dining (Richard Field)		6.00	6.00
5/29/2021		Mileage (John Howe)		47.60	47.60
6/5/2021		Dining (John Howe)		17.00	17.00
6/5/2021		Mileage (John Howe)		22.40	22.40
6/12/2021		Dining (John Howe)		92.00	92.00
6/12/2021		Mileage (John Howe)		105.84	105.84
6/19/2021		Dining (John Howe)		150.00	150.00
6/19/2021		Mileage (John Howe)		198.80	198.80
		Total Reimbursable Expenses			645.64

**Terms: Net 30**

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**Subtotal** \$6,375.64  
**Sales Tax (0.0%)** \$0.00  
**Balance Due** \$6,375.64



# Invoice

Date: 6/30/2021  
 Invoice #: 149116

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20-21 Remaining Projects

**Work Code:** P22.0 - As-Built Records/Mapping

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
5/24/2021	Jay Emery	As-Built Records Estaline(Augusta)	2	65.00	130.00
5/24/2021	Jay Emery	As-Built Records Estaline(Rockbridge)	2	65.00	130.00
5/24/2021	Chad Bartscher	Estaline (82481) - As Built Records	4	65.00	260.00
5/24/2021	Chad Bartscher	Estaline (82482) - As Built Records	4	65.00	260.00
5/25/2021	Jay Emery	As-Built Records Estaline(Augusta)	3	65.00	195.00
5/25/2021	Jay Emery	As-Built Records Estaline(Rockbridge)	3	65.00	195.00
5/25/2021	Chad Bartscher	Estaline (82481) - As Built Records	4	65.00	260.00
5/25/2021	Chad Bartscher	Estaline (82482) - As Built Records	4	65.00	260.00
5/26/2021	Chad Bartscher	Mill Creek (82538) - As Built Records	8	65.00	520.00
5/27/2021	Chad Bartscher	Estaline (82481) - As Built Records	2	65.00	130.00
5/27/2021	Chad Bartscher	Estaline (82482) - As Built Records	2	65.00	130.00
5/27/2021	Chad Bartscher	Mill Creek (82538) - As Built Records	4	65.00	260.00
5/28/2021	Chad Bartscher	Estaline (82481) - As Built Records	2	65.00	130.00
5/28/2021	Chad Bartscher	Estaline (82482) - As Built Records	2	65.00	130.00
5/28/2021	Chad Bartscher	Mill Creek (82538) - As Built Records	4	65.00	260.00
6/1/2021	Jay Emery	As-Built Records Estaline(Augusta)	2	65.00	130.00
6/1/2021	Jay Emery	As-Built Records Estaline(Rockbridge)	2	65.00	130.00
6/1/2021	Chad Bartscher	Estaline (Augusta/82482) - As Built Records	2	65.00	130.00
6/1/2021	Chad Bartscher	Estaline (RockRidge/82481) - As Built Records	2	65.00	130.00
6/1/2021	Chad Bartscher	Mill Creek (82538) - As Built Records	4	65.00	260.00
6/2/2021	Chad Bartscher	Estaline (Augusta/82482) - As Built Records	2	65.00	130.00
6/2/2021	Chad Bartscher	Estaline (RockRidge/82481) - As Built Records	2	65.00	130.00
6/2/2021	Chad Bartscher	Mill Creek (82538) - As Built Records	8	65.00	520.00
6/3/2021	Chad Bartscher	Mill Creek (82538) - As Built Records	4	65.00	260.00
6/7/2021	Jay Emery	As-Built Records Jacktown	1	65.00	65.00
6/7/2021	Jay Emery	As-Built Records Mill Creek	1	65.00	65.00
6/7/2021	Chad Bartscher	Estaline (82481) As Built Records	4	65.00	260.00
6/7/2021	Chad Bartscher	Estaline (82482) As Built Records	4	65.00	260.00
6/8/2021	Jay Emery	As-Built Records Estaline(Augusta)	3	65.00	195.00
6/8/2021	Jay Emery	As-Built Records Estaline(Rockbridge)	3	65.00	195.00
6/8/2021	Jay Emery	As-Built Records Mill Creek	2	65.00	130.00

**Terms:** Net 30

**Subtotal**

**Sales Tax (0.0%)**

**Balance Due**



# Invoice

Date 6/30/2021 Invoice # 149116

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20-21 Remaining Projects

**Work Code:** P22.0 - As-Built Records/Mapping

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/9/2021	Chad Bartscher	Cornwall Riverside (82479)	2	65.00	130.00
6/9/2021	Chad Bartscher	Jacktown (82507) - As Built Records	1	65.00	65.00
6/9/2021	Chad Bartscher	Mill Creek (82538) - As Built Records	3	65.00	195.00
6/9/2021	Chad Bartscher	Union Run (82478) As Built Records	2	65.00	130.00
6/9/2021	Ben Hail	As-Built Records Jacktown	0.5	60.00	30.00
6/10/2021	Chad Bartscher	Hyde Road (82501) As Built Records	2.5	65.00	162.50
6/10/2021	Chad Bartscher	Turkey Hill (82500) As Built Records	2.5	65.00	162.50
6/10/2021	Chad Bartscher	Walker's Creek (82475) As Built Records	2	65.00	130.00
6/10/2021	Chad Bartscher	Walker's Creek (82476) As Built Records	1	65.00	65.00
6/11/2021	Chad Bartscher	Plank Road (82480) - As Built Records	2	65.00	130.00
6/11/2021	Chad Bartscher	Moore's Quarry (82483) As Built Records	3	65.00	195.00
6/14/2021	Jay Emery	As-Built Records Estaline(Augusta)	1	65.00	65.00
6/14/2021	Jay Emery	As-Built Records Estaline(Rockbridge)	1	65.00	65.00
6/15/2021	Kyle Moe (CAD)	As-Built Mapping - Estaline	4	65.00	260.00
6/16/2021	Kyle Moe (CAD)	As-Built Mapping - Estaline	8	65.00	520.00
6/16/2021	Chad Bartscher	Jacktown (82507) As Built Records	8	65.00	520.00
6/16/2021	Jay Emery	As-Built Records Estaline(Augusta)	1	65.00	65.00
6/16/2021	Jay Emery	As-Built Records Estaline(Rockbridge)	1	65.00	65.00
6/17/2021	Kyle Moe (CAD)	As-Built Mapping - Estaline	8	65.00	520.00
6/17/2021	Chad Bartscher	Jacktown (82507) As Built Records	2	65.00	130.00
6/17/2021	Chad Bartscher	Estaline (82481) - As Built Records	3	65.00	195.00
6/17/2021	Chad Bartscher	Estaline (82482) - As Built Records	3	65.00	195.00
6/18/2021	Chad Bartscher	Estaline (82481) - As Built Records	4	65.00	260.00
6/18/2021	Chad Bartscher	Estaline (82482) - As Built Records	4	65.00	260.00

**Terms: Net 30**

*Our team at Vantage Point appreciates your business!*

*Please direct any billing questions to Stephanie Nemec at (605) 995-1791 or send e-mail to BillingTeam@vantagepnt.com.*

**Subtotal** \$10,755.00  
**Sales Tax (0.0%)** \$0.00  
**Balance Due** \$10,755.00



# Invoice

**Date**                      **Invoice #**  
 6/30/2021                      149117

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A  
**Project:** [OSP] 20-21 Remaining Projects  
**Work Code:** P3.0 - ROW Permitting / City Coordination

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
5/26/2021	Amy Moore	Botetourt: Prepare/Submit ROW Applications for Client Signature	5.5	60.00	330.00
6/9/2021	Amy Moore	Cornwall Riverside Exchange: Deliver Fully Executed ROW Permits to Client and Field Teams (COI)	0.5	60.00	30.00
6/16/2021	Josh Muntefering	ROW Permit Coordination / Blue Ridge State Forest permit meeting	1	60.00	60.00
6/18/2021	Josh Muntefering	ROW Permit Coordination / Blue Ridge State Forest permit meeting	1	60.00	60.00

**Terms: Net 30**

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**Subtotal**                                      \$480.00  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$480.00



# Invoice

**Date**                      **Invoice #**  
 6/30/2021                      147952

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20-21 Remaining Projects

**Work Code:** P5.1 - Staking & Mapping Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/30/2021	OSP Contract	Staking/Mapping Billing	1	69,984.00	69,984.00
		Billed @ 100% = \$ 377,840			
		Previous Billing = \$ 307,856			
		Net = \$ 69,984			
		Rural = 1,642,781.73 ft @ \$0.23/ft			

**Terms: Net 30**

*Our team at Vantage Point appreciates your business!*

*Please direct any billing questions to Stephanie Nemec at (605) 995-1791 or send e-mail to [BillingTeam@vantagepnt.com](mailto:BillingTeam@vantagepnt.com).*

**Subtotal**                                      \$69,984.00  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$69,984.00





# Invoice

**Date**                      **Invoice #**  
 6/30/2021                      149099

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 Big Hill VATI Area

**Work Code:** P14.0 - OSP Inspection Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
5/28/2021	Ann Carpenter	Invoicing-Vati (Thayer)	3	65.00	195.00
6/6/2021	Earl Osborne	Big Hill 84001	12	65.00	780.00
6/8/2021	Earl Osborne	Big Hill 84001	12	65.00	780.00
	Reimb. Expenses				
6/12/2021		Mileage (Earl Osborne)		206.64	206.64
6/12/2021		Dining (Earl Osborne)		64.00	64.00
		Total Reimbursable Expenses			270.64

**Terms: Net 30**

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**Subtotal**                                      \$2,025.64  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$2,025.64



# Invoice

<b>Date</b>	<b>Invoice #</b>
6/30/2021	149100

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A  
**Project:** [OSP] 20 Big Hill VATI Area  
**Work Code:** P22.0 - As-Built Records/Mapping

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/7/2021	Ben Hail	As-Built Records Big Hill	1	60.00	60.00

**Terms: Net 30**

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<b>Subtotal</b>	\$60.00
<b>Sales Tax (0.0%)</b>	\$0.00
<b>Balance Due</b>	\$60.00



# Invoice

<b>Date</b>	<b>Invoice #</b>
6/30/2021	149101

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A**Project:** [OSP] 20 Cares Act**Work Code:** P14.0 - OSP Inspection Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/7/2021	Debbie Asmus	Tab and Invoice Reconciliation	2.5	75.00	187.50
6/10/2021	Debbie Asmus	Tab and Invoice Reconciliation	1.5	75.00	112.50
6/15/2021	Ann Carpenter	Invoicing (CARES Act)	1	65.00	65.00
6/17/2021	Debbie Asmus	Tab and Invoice Reconciliation	3	75.00	225.00
6/18/2021	Debbie Asmus	Tab and Invoice Reconciliation	2	75.00	150.00
6/19/2021	Debbie Asmus	Tab and Invoice Reconciliation	0.5	75.00	37.50

**Terms: Net 30***Our team at Vantage Point appreciates your business!**Please direct any billing questions to Stephanie Nemec at (605) 995-1791 or send e-mail to [BillingTeam@vantagepnt.com](mailto:BillingTeam@vantagepnt.com).*

<b>Subtotal</b>	\$777.50
<b>Sales Tax (0.0%)</b>	\$0.00
<b>Balance Due</b>	\$777.50



# Invoice

**Date**                      **Invoice #**  
 6/30/2021                      149102

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 Cares Act

**Work Code:** P22.0 - As-Built Records/Mapping

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
5/24/2021	Ben Hail	As Built Records Spring Farm Road	1	60.00	60.00
5/24/2021	Ben Hail	As-Built Records Bordon Grant	2	60.00	120.00
5/24/2021	Ben Hail	As-Built Records Boundary Lane	1	60.00	60.00
5/24/2021	Ben Hail	As-Built Records Brownsburg Turnpike	5	60.00	300.00
5/25/2021	Jay Emery	As-Built Records Walker's Creek	1	65.00	65.00
5/25/2021	Ben Hail	As Built Records Li Hi Acres	1	60.00	60.00
5/25/2021	Ben Hail	As Built Records Route 42	4	60.00	240.00
5/25/2021	Ben Hail	As Built Records Spring Farm Road	1	60.00	60.00
5/25/2021	Ben Hail	As Built Records Steeles Fort	2	60.00	120.00
5/26/2021	Jay Emery	As Built Records Boundary Lane	1	65.00	65.00
5/26/2021	Jay Emery	As-Built Records Brownsburg Turnpike	0.5	65.00	32.50
5/26/2021	Jay Emery	As-Built Records Rt 42	1	65.00	65.00
5/26/2021	Jay Emery	As-Built Records Spring Farm Rd	1	65.00	65.00
5/26/2021	Jay Emery	As-Built Records Steeles Fort	1	65.00	65.00
5/26/2021	Ben Hail	As Built Records Walkers Creek	2	60.00	120.00
6/7/2021	Ben Hail	As-Built Records Brownsburg Turnpike	0.5	60.00	30.00
6/16/2021	Jay Emery	As-Built Records Brownsburg Turnpike	2	65.00	130.00

**Terms: Net 30**

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**Subtotal**                                      \$1,657.50  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$1,657.50



# Invoice

Date: 6/30/2021  
 Invoice #: 149103

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A  
**Project:** [OSP] 20 Effinger-Glasgow VATI Area  
**Work Code:** P14.0 - OSP Inspection Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
5/23/2021	Earl Osborne	Glasgow 84000	11	65.00	715.00
5/23/2021	Richard Field	Glasgow (WO84000) Bore and drop inspections and redlines	8	60.00	480.00
5/23/2021	Erik Pannkuk	Inspection Glasgow 84000	5	55.00	275.00
5/24/2021	Earl Osborne	Glasgow 84000	12	65.00	780.00
5/24/2021	Richard Field	Glasgow (WO84000) Bore and drop inspections and redlines	12	60.00	720.00
5/25/2021	Earl Osborne	Glasgow 84000	12	65.00	780.00
5/25/2021	Richard Field	Glasgow (WO84000) Bore and drop inspections and redlines	12	60.00	720.00
5/26/2021	Richard Field	Glasgow (WO84000) Bore and drop inspections and redlines	4.5	60.00	270.00
5/26/2021	Richard Field	Glasgow (WO84000) Bore and drop inspections and redlines	7.5	60.00	450.00
5/26/2021	Erik Pannkuk	Inspection Glasgow 84000	4	55.00	220.00
5/27/2021	Richard Field	Glasgow (WO84000) Bore and drop inspections and redlines	10	60.00	600.00
6/1/2021	Richard Field	Glasgow (WO84000) Bore and drop inspections and redlines	12	60.00	720.00
6/2/2021	Earl Osborne	Glasgow 84000	12	65.00	780.00
6/2/2021	Richard Field	Glasgow (WO84000) Bore and drop inspections and redlines	11.5	60.00	690.00
6/4/2021	Richard Field	Glasgow (WO84000) Bore and drop inspections and redlines	4.5	60.00	270.00
6/4/2021	Richard Field	Glasgow (WO84000) Bore and drop inspections and redlines	7.5	60.00	450.00
6/5/2021	Richard Field	Glasgow (WO84000) Bore and drop inspections and redlines	12	60.00	720.00
6/6/2021	Richard Field	Glasgow (WO84000) Bore and drop inspections and redlines	11.5	60.00	690.00
6/7/2021	Earl Osborne	Glasgow 84000	6	65.00	390.00

**Terms: Net 30**

**Subtotal**

**Sales Tax (0.0%)**

**Balance Due**



# Invoice

Date: 6/30/2021  
 Invoice #: 149103

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 Effinger-Glasgow VATI Area

**Work Code:** P14.0 - OSP Inspection Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/7/2021	Richard Field	Glasgow (WO84000) Bore and drop inspections and redlines	6	60.00	360.00
6/7/2021	Erik Pannkuk	Inspection Glasgow 84000	11	55.00	605.00
6/10/2021	Richard Field	Glasgow (WO84000) Bore and drop inspections and redlines	8	60.00	480.00
6/12/2021	Erik Pannkuk	Inspection Glasgow 84000	9	55.00	495.00
6/14/2021	Ann Carpenter	Invoicing Glasgow	0.5	65.00	32.50
6/15/2021	Richard Field	Glasgow(WO84000) Bore and drop inspections and redlines	6	60.00	360.00
6/17/2021	Richard Field	Glasgow(WO84000) Bore and drop inspections and redlines	5	60.00	300.00
6/17/2021	Richard Field	Glasgow(WO84000) Bore and drop inspections and redlines	7	60.00	420.00
6/17/2021	Ann Carpenter	Invoicing Glasgow	1	65.00	65.00
	Reimb. Expenses				
5/29/2021		Mileage (Earl Osborne)		148.40	148.40
5/29/2021		Dining (Earl Osborne)		104.50	104.50
5/29/2021		Dining (Richard Field)		154.00	154.00
5/29/2021		Motel 05/22/2021 - 05/28/2021 (Richard Field)		484.26	484.26
5/29/2021		Dining (Erik Pannkuk)		32.00	32.00
5/29/2021		Mileage (Richard Field)		353.92	353.92
5/29/2021		Mileage (Erik Pannkuk)		94.64	94.64
6/5/2021		Mileage (Earl Osborne)		42.00	42.00
6/5/2021		Dining (Earl Osborne)		32.00	32.00
6/5/2021		Dining (Richard Field)		128.00	128.00
6/5/2021		Motel 05/29/2021 - 06/04/2021 (Richard Field)		484.26	484.26
6/5/2021		Mileage (Richard Field)		367.36	367.36
6/12/2021		Dining (Earl Osborne)		17.00	17.00
6/12/2021		Dining (Richard Field)		62.00	62.00
6/12/2021		Motel 06/05/2021 - 06/11/2021 (Richard Field)		484.26	484.26
6/12/2021		Dining (Erik Pannkuk)		58.00	58.00

**Terms: Net 30**

**Subtotal**

**Sales Tax (0.0%)**

**Balance Due**



# Invoice

**Date**                      **Invoice #**  
 6/30/2021                      149103

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A  
**Project:** [OSP] 20 Effinger-Glasgow VATI Area  
**Work Code:** P14.0 - OSP Inspection Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/12/2021		Mileage (Richard Field)		140.56	140.56
6/12/2021		Mileage (Erik Pannkuk)		56.56	56.56
6/19/2021		Dining (Richard Field)		43.00	43.00
6/19/2021		Motel 06/15/2021, 06/17/2021 (Richard Field)		138.36	138.36
6/19/2021		Mileage (Richard Field)		130.29	130.29
		Total Reimbursable Expenses			3,555.37

**Terms: Net 30**

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**Subtotal**                                      \$17,392.87  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$17,392.87





# Invoice

Date: 6/30/2021  
 Invoice #: 149104

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 Effinger-Glasgow VATI Area

**Work Code:** P22.0 - As-Built Records/Mapping

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
5/24/2021	Jay Emery	As-Built Records Glasgow	1	65.00	65.00
5/26/2021	Ben Hail	As-Built Records Glasgow	8	60.00	480.00
5/27/2021	Jay Emery	As-Built Records Glasgow	2	65.00	130.00
5/27/2021	Ben Hail	As-Built Records Glasgow	10	60.00	600.00
5/28/2021	Jay Emery	As-Built Records Glasgow	2	65.00	130.00
5/28/2021	Ben Hail	As-Built Records Glasgow	3	60.00	180.00
5/28/2021	Ben Hail	As-Built Records Glasgow	6	60.00	360.00
5/29/2021	Ben Hail	As-Built Records Glasgow	4	60.00	240.00
6/1/2021	Jay Emery	As-Built Records Glasgow	2	65.00	130.00
6/1/2021	Ben Hail	As-Built Records Glasgow	8.5	60.00	510.00
6/2/2021	Jay Emery	As-Built Records Glasgow	2	65.00	130.00
6/2/2021	Ben Hail	As-Built Records Glasgow	8.5	60.00	510.00
6/3/2021	Ben Hail	As-Built Records Glasgow	8.5	60.00	510.00
6/4/2021	Ben Hail	As-Built Records Glasgow	8.5	60.00	510.00
6/7/2021	Jay Emery	As-Built Records Glasgow	1	65.00	65.00
6/7/2021	Ben Hail	As-Built Records Glasgow	7.5	60.00	450.00
6/8/2021	Ben Hail	As-Built Records Glasgow	8	60.00	480.00
6/9/2021	Jay Emery	As-Built Records Glasgow	1	65.00	65.00
6/9/2021	Ben Hail	As-Built Records Glasgow	7.5	60.00	450.00
6/10/2021	Ben Hail	As-Built Records Glasgow	10.5	60.00	630.00
6/11/2021	Jay Emery	As-Built Records Glasgow	3	65.00	195.00
6/11/2021	Ben Hail	As-Built Records Glasgow	4.5	60.00	270.00
6/11/2021	Ben Hail	As-Built Records Glasgow	4.5	60.00	270.00
6/14/2021	Ben Hail	As-Built Records Glasgow	8	60.00	480.00
6/15/2021	Ben Hail	As-Built Records Glasgow	8	60.00	480.00
6/16/2021	Ben Hail	As-Built Records Glasgow	10	60.00	600.00
6/17/2021	Ben Hail	As-Built Records Glasgow	10	60.00	600.00
6/17/2021	Jay Emery	As-Built Records Glasgow	1	65.00	65.00
6/18/2021	Ben Hail	As-Built Records Glasgow	4	60.00	240.00
6/18/2021	Ben Hail	As-Built Records Glasgow	6	60.00	360.00

**Terms: Net 30**

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**Subtotal** \$10,185.00  
**Sales Tax (0.0%)** \$0.00  
**Balance Due** \$10,185.00



# Invoice

<b>Date</b>	<b>Invoice #</b>
6/30/2021	149105

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A**Project:** [OSP] 20 Goshen OSP Engineering**Work Code:** P1.0 - Project Management

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
5/24/2021	Todd Sapp	Project Coordination / Management	2	120.00	240.00
5/26/2021	Quentin Flippin	Weekly Meeting	0.5	155.00	77.50
5/31/2021	Charleen Long	Bi-Weekly Construction Reporting	0.5	60.00	30.00
6/9/2021	Quentin Flippin	Goshen Construction Call	0.5	155.00	77.50
6/14/2021	Charleen Long	Bi-Weekly Construction Reporting	0.5	60.00	30.00

**Terms: Net 30***Our team at Vantage Point appreciates your business!**Please direct any billing questions to Stephanie Nemec at (605) 995-1791 or send e-mail to [BillingTeam@vantagepnt.com](mailto:BillingTeam@vantagepnt.com).*

<b>Subtotal</b>	\$455.00
<b>Sales Tax (0.0%)</b>	\$0.00
<b>Balance Due</b>	\$455.00



# Invoice

Date: 6/30/2021  
 Invoice #: 149106

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 Goshen OSP Engineering

**Work Code:** P14.0 - OSP Inspection Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
5/23/2021	John Howe	70002,inspect boring crew	3	60.00	180.00
5/24/2021	John Howe	70002,inspect boring crew	10	60.00	600.00
5/24/2021	Ann Carpenter	Invoicing-Goshen	0.5	65.00	32.50
5/25/2021	Jason Wagner	Project Management	1	80.00	80.00
5/25/2021	John Howe	Goshen 70002 inspect	9	60.00	540.00
5/26/2021	Jason Wagner	Project Management	2	80.00	160.00
5/26/2021	John Howe	70002,inspect boring crew	12	60.00	720.00
5/27/2021	John Howe	70002,inspect boring crew	1	60.00	60.00
5/27/2021	John Howe	70002,inspect boring crew	11	60.00	660.00
5/28/2021	John Howe	70002,inspect boring crew	11	60.00	660.00
5/28/2021	Ann Carpenter	Invoicing-Goshen	1	65.00	65.00
5/31/2021	John Howe	70002,inspect boring crew	5	60.00	300.00
6/1/2021	John Howe	70002,inspect boring crew	12	60.00	720.00
6/2/2021	Jason Wagner	Project Management	1	80.00	80.00
6/2/2021	John Howe	70002,inspect boring crew	12	60.00	720.00
6/3/2021	John Howe	70002,inspect boring crew	10	60.00	600.00
6/3/2021	John Howe	70002,inspect boring crew	1.5	60.00	90.00
6/3/2021	Brandi Ford	Goshen Project Management	0.5	60.00	30.00
6/4/2021	John Howe	70002,inspect boring crew	10	60.00	600.00
6/5/2021	John Howe	70002,inspect boring crew	6	60.00	360.00
6/7/2021	John Howe	70002,inspect boring crew	7	60.00	420.00
6/8/2021	Jason Wagner	Project Management	1	80.00	80.00
6/8/2021	John Howe	70002,inspect boring crew	11.5	60.00	690.00
6/9/2021	Jason Wagner	Project Management	1	80.00	80.00
6/9/2021	John Howe	70002,inspect boring crew	12	60.00	720.00
6/10/2021	John Howe	70002,inspect boring crew	0.5	60.00	30.00
6/10/2021	John Howe	70002,inspect boring crew	5.5	60.00	330.00
6/11/2021	John Howe	70002,inspect boring crew	2	60.00	120.00
6/13/2021	John Howe	70002,inspect boring crew	3	60.00	180.00
6/14/2021	Jason Wagner	Project Management	1	80.00	80.00
6/14/2021	John Howe	70002,inspect boring crew	6.5	60.00	390.00

**Terms: Net 30**

**Subtotal**

**Sales Tax (0.0%)**

**Balance Due**



# Invoice

**Date**                      **Invoice #**  
 6/30/2021                      149106

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 Goshen OSP Engineering

**Work Code:** P14.0 - OSP Inspection Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/15/2021	John Howe	70002,inspect boring crew	6	60.00	360.00
6/16/2021	Jason Wagner	Project Management	1	80.00	80.00
6/16/2021	John Howe	70002,inspect boring crew	3	60.00	180.00
6/17/2021	John Howe	70002,inspect boring crew	3	60.00	180.00
	Reimb. Expenses				
5/29/2021		Dining (John Howe)		186.00	186.00
5/29/2021		Motel 05/22/2021 - 05/27/2021 (John Howe)		415.08	415.08
5/29/2021		Mileage (John Howe)		357.28	357.28
6/5/2021		Dining (John Howe)		160.00	160.00
6/5/2021		Motel 05/31/2021 - 06/04/2021 (John Howe)		345.90	345.90
6/5/2021		Mileage (John Howe)		384.72	384.72
6/12/2021		Dining (John Howe)		132.00	132.00
6/12/2021		Mileage (John Howe)		148.96	148.96
6/14/2021		Motel 06/05/2021 - 06/11/2021 (John Howe)		484.26	484.26
6/19/2021		Dining (John Howe)		74.00	74.00
6/19/2021		Motel 06/12/2021 - 06/18/2021 (John Howe)		484.26	484.26
6/19/2021		Mileage (John Howe)		104.72	104.72
		Total Reimbursable Expenses			3,277.18

**Terms: Net 30**

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*Please direct any billing questions to Stephanie Nemec at (605) 995-1791 or send e-mail to BillingTeam@vantagepnt.com.*

**Subtotal**                                      \$14,454.68  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$14,454.68



# Invoice

**Date**                      **Invoice #**  
 6/30/2021                      149107

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 Goshen OSP Engineering

**Work Code:** P22.0 - As-Built Records/Mapping

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
5/28/2021	Jay Emery	As-Built Records Goshen	1	65.00	65.00
6/1/2021	Jay Emery	As-Built Records Goshen	2	65.00	130.00
6/2/2021	Jay Emery	As-Built Records Goshen	2	65.00	130.00
6/2/2021	Chris Dvorak	Goshen As-Built Records	5.5	60.00	330.00
6/4/2021	Jay Emery	As-Built Records Goshen	2	65.00	130.00
6/4/2021	Chris Dvorak	Goshen As-Built Records	1.5	60.00	90.00
6/7/2021	Jay Emery	As-Built Records Goshen	1	65.00	65.00
6/14/2021	Jay Emery	As-Built Records Goshen	1	65.00	65.00
6/16/2021	Jay Emery	As-Built Records Goshen	1	65.00	65.00

**Terms: Net 30**

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**Subtotal**                                      \$1,070.00  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$1,070.00



# Invoice

**Date**                      **Invoice #**  
 6/30/2021                      149108

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 Goshen OSP Engineering

**Work Code:** P3.0 - ROW Permitting / City Coordination

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
5/25/2021	Amy Moore	Goshen: Prepare/Submit ROW Applications for Client Signature	1	60.00	60.00
6/11/2021	Amy Moore	Goshen: Prepare/Submit ROW Applications to Permitting Jurisdictions	1	60.00	60.00
6/14/2021	Amy Moore	Goshen: Prepare/Submit ROW Applications for Client Signature	2	60.00	120.00
6/15/2021	Amy Moore	Goshen: Prepare/Submit ROW Applications for Client Signature	0.5	60.00	30.00
6/17/2021	Neil Putnam	Responding to Quentin, consulting with staff, soliciting a report	1.5	65.00	97.50
6/18/2021	Neil Putnam	Responding to Quentin, consulting with staff, soliciting a report	2	65.00	130.00

**Terms: Net 30**

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**Subtotal**                                      \$497.50  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$497.50



# Invoice

Date: 6/30/2021  
 Invoice #: 149109

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 S River-Vesuvius VATI Area

**Work Code:** P14.0 - OSP Inspection Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
5/24/2021	Erik Pannkuk	Inspection Cornwall East 84002	8	55.00	440.00
5/25/2021	Erik Pannkuk	Inspection Cornwall East 84002	8	55.00	440.00
5/26/2021	Erik Pannkuk	Inspection Cornwall East 84002	4	55.00	220.00
5/26/2021	Erik Pannkuk	Inspection Cornwall East 84002	4	55.00	220.00
5/27/2021	Erik Pannkuk	Inspection Cornwall East 84002	7	55.00	385.00
5/31/2021	Earl Osborne	Cornwall East 84002	5	65.00	325.00
6/1/2021	Earl Osborne	Cornwall East 84002	12	65.00	780.00
6/4/2021	Earl Osborne	Cornwall East 84002	12	65.00	780.00
6/9/2021	Earl Osborne	Cornwall East 84002	4	65.00	260.00
6/9/2021	Earl Osborne	Cornwall East 84002	11.5	65.00	747.50
6/11/2021	Erik Pannkuk	Inspection Cornwall East 84002	12	55.00	660.00
6/14/2021	Erik Pannkuk	Inspection Cornwall East 84002	13	55.00	715.00
6/15/2021	Earl Osborne	Cornwall East 84002	12	65.00	780.00
6/16/2021	Earl Osborne	Cornwall East 84002	11	65.00	715.00
6/16/2021	Earl Osborne	Cornwall East 84002	1	65.00	65.00
6/17/2021	Erik Pannkuk	Inspection Cornwall East 84002	10	55.00	550.00
	Reimb. Expenses				
5/29/2021		Dining (Erik Pannkuk)		62.00	62.00
5/29/2021		Motel 05/22/2021 - 05/26/2021 (Erik Pannkuk)		345.90	345.90
5/29/2021		Mileage (Erik Pannkuk)		166.32	166.32
6/1/2021		Monthly Rental Expenses (Earl Osborne)		1,224.94	1,224.94
6/5/2021		Mileage (Earl Osborne)		89.04	89.04
6/5/2021		Dining (Earl Osborne)		77.00	77.00
6/12/2021		Mileage (Earl Osborne)		24.08	24.08
6/12/2021		Dining (Earl Osborne)		32.00	32.00
6/12/2021		Dining (Erik Pannkuk)		32.00	32.00
6/12/2021		Mileage (Erik Pannkuk)		62.72	62.72
6/19/2021		Mileage (Earl Osborne)		140.00	140.00
6/19/2021		Dining (Earl Osborne)		72.50	72.50
6/19/2021		Dining (Erik Pannkuk)		47.00	47.00
6/19/2021		Mileage (Erik Pannkuk)		129.92	129.92

**Terms: Net 30**

**Subtotal**

**Sales Tax (0.0%)**

**Balance Due**



# Invoice

<b>Date</b>	<b>Invoice #</b>
6/30/2021	149109

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A  
**Project:** [OSP] 20 S River-Vesuvius VATI Area  
**Work Code:** P14.0 - OSP Inspection Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
		Total Reimbursable Expenses			2,505.42

**Terms: Net 30**

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<b>Subtotal</b>	\$10,587.92
<b>Sales Tax (0.0%)</b>	\$0.00
<b>Balance Due</b>	\$10,587.92





# Invoice

<b>Date</b>	<b>Invoice #</b>
6/30/2021	149110

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A**Project:** [OSP] 20 S River-Vesuvius VATI Area**Work Code:** P22.0 - As-Built Records/Mapping

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/16/2021	Jay Emery	As-Built Records Cornwall East	1	65.00	65.00

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<b>Subtotal</b>	\$65.00
<b>Sales Tax (0.0%)</b>	\$0.00
<b>Balance Due</b>	\$65.00



# Invoice

**Date**                      **Invoice #**  
 6/30/2021                      149111

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 S River-Vesuvius VATI Area

**Work Code:** P3.0 - ROW Permitting / City Coordination

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
5/24/2021	Amy Moore	Cornwall East: Prepare/Submit ROW Applications for Client Signature	1	60.00	60.00
5/25/2021	Amy Moore	Cornwall East: Prepare/Submit ROW Applications for Client Signature	1	60.00	60.00
5/25/2021	Amy Moore	Red Hill Road: Prepare/Submit ROW Applications for Client Signature	1	60.00	60.00
5/25/2021	Amy Moore	Vesuvius: Prepare/Submit ROW Applications for Client Signature	1.5	60.00	90.00
5/26/2021	Amy Moore	Cornwall East: Prepare/Submit ROW Applications for Client Signature	0.5	60.00	30.00
5/26/2021	Amy Moore	Vesuvius: Prepare/Submit ROW Applications for Client Signature	0.5	60.00	30.00
6/15/2021	Amy Moore	Cornwall East/S.River/Nature Camp/Red Hill Rd: Prepare/Submit ROW Applications for Client Signature	2	60.00	120.00
6/16/2021	Amy Moore	Cornwall East/S.River/Nature Camp/Red Hill Rd: Prepare/Submit ROW Applications for Client Signature	2.5	60.00	150.00
6/17/2021	Amy Moore	Cornwall East/S.River/Nature Camp/Red Hill Rd: Prepare/Submit ROW Applications for Client Signature	5	60.00	300.00

**Terms: Net 30**

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**Subtotal**                                      \$900.00  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$900.00



# Invoice

Date: 6/30/2021  
 Invoice #: 149112

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 South Buffalo VATI Area

**Work Code:** P14.0 - OSP Inspection Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
5/23/2021	Erik Pannkuk	Inspection South Buffalo 84003	6	55.00	330.00
5/24/2021	Erik Pannkuk	Inspection South Buffalo 84003	5	55.00	275.00
5/25/2021	Erik Pannkuk	Inspection South Buffalo 84003	4	55.00	220.00
5/26/2021	Earl Osborne	South Buffalo 84003	5	65.00	325.00
5/26/2021	Earl Osborne	South Buffalo 84003	7	65.00	455.00
5/27/2021	Earl Osborne	South Buffalo 84003	11	65.00	715.00
6/3/2021	Earl Osborne	South Buffalo 84003	11	65.00	715.00
6/3/2021	Earl Osborne	South Buffalo 84003	1	65.00	65.00
6/3/2021	Richard Field	South Buffalo (84003) Bore/drop inspections and redlines	12	60.00	720.00
6/5/2021	Earl Osborne	South Buffalo 84003	12	65.00	780.00
6/7/2021	Richard Field	South Buffalo (84003) Bore/drop inspections and redlines	6	60.00	360.00
6/8/2021	Richard Field	South Buffalo (84003) Bore/drop inspections and redlines	12	60.00	720.00
6/8/2021	Erik Pannkuk	Inspection South Buffalo 84003	12	55.00	660.00
6/9/2021	Richard Field	South Buffalo (84003) Bore/drop inspections and redlines	4.5	60.00	270.00
6/9/2021	Richard Field	South Buffalo (84003) Bore/drop inspections and redlines	7.5	60.00	450.00
6/9/2021	Erik Pannkuk	Inspection South Buffalo 84003	13	55.00	715.00
6/10/2021	Erik Pannkuk	Inspection South Buffalo 84003	4	55.00	220.00
6/10/2021	Erik Pannkuk	Inspection South Buffalo 84003	9	55.00	495.00
6/10/2021	Richard Field	South Buffalo (84003) Bore/drop inspections and redlines	3.5	60.00	210.00
6/13/2021	Erik Pannkuk	Inspection South Buffalo 84003	10	55.00	550.00
6/14/2021	Richard Field	South Buffalo (84003) Bore/drop inspections and redlines	11.5	60.00	690.00
6/15/2021	Erik Pannkuk	Inspection South Buffalo 84003	13	55.00	715.00
6/16/2021	Richard Field	South Buffalo (84003) Bore/drop inspections and redlines	11.5	60.00	690.00

**Terms: Net 30**

**Subtotal**

**Sales Tax (0.0%)**

**Balance Due**



# Invoice

Date: 6/30/2021  
 Invoice #: 149112

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 South Buffalo VATI Area

**Work Code:** P14.0 - OSP Inspection Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/16/2021	Erik Pannkuk	Inspection South Buffalo 84003	4	55.00	220.00
6/16/2021	Erik Pannkuk	Inspection South Buffalo 84003	9	55.00	495.00
	Reimb. Expenses				
5/29/2021		Mileage (Earl Osborne)		119.28	119.28
5/29/2021		Dining (Earl Osborne)		55.50	55.50
5/29/2021		Dining (Erik Pannkuk)		49.00	49.00
5/29/2021		Mileage (Erik Pannkuk)		81.20	81.20
6/5/2021		Mileage (Earl Osborne)		73.36	73.36
6/5/2021		Dining (Earl Osborne)		77.00	77.00
6/5/2021		Dining (Richard Field)		32.00	32.00
6/5/2021		Mileage (Richard Field)		60.48	60.48
6/12/2021		Dining (Richard Field)		98.00	98.00
6/12/2021		Dining (Erik Pannkuk)		102.00	102.00
6/12/2021		Mileage (Richard Field)		193.76	193.76
6/12/2021		Mileage (Erik Pannkuk)		258.16	258.16
6/14/2021		Motel 06/07/2021 - 06/11/2021 (Erik Pannkuk)		345.90	345.90
6/19/2021		Dining (Richard Field)		54.00	54.00
6/19/2021		Dining (Erik Pannkuk)		96.00	96.00
6/19/2021		Motel 06/12/2021 - 06/18/2021 (Erik Pannkuk)		484.26	484.26
6/19/2021		Motel 06/13/2021 - 06/14/2021, 06/16/2021 (Richard Field)		207.54	207.54
6/19/2021		Mileage (Richard Field)		154.93	154.93
6/19/2021		Mileage (Erik Pannkuk)		249.20	249.20
		Total Reimbursable Expenses			2,791.57

**Terms: Net 30**

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**Subtotal** \$14,851.57  
**Sales Tax (0.0%)** \$0.00  
**Balance Due** \$14,851.57



# Invoice

**Date**                      **Invoice #**  
 6/30/2021                      149113

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 South Buffalo VATI Area

**Work Code:** P22.0 - As-Built Records/Mapping

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/3/2021	Chad Bartscher	South Buffalo (84003) - As Built Records	4	65.00	260.00
6/4/2021	Chad Bartscher	South Buffalo (84003) - As Built Records	4	65.00	260.00
6/7/2021	Jay Emery	As-Built Records South Buffalo	1	65.00	65.00
6/11/2021	Chad Bartscher	South Buffalo (84003) As Built Records	3	65.00	195.00
6/14/2021	Chad Bartscher	South Buffalo (84003) - As Built Records	8	65.00	520.00
6/14/2021	Jay Emery	As-Built Records South Buffalo	1	65.00	65.00
6/15/2021	Chad Bartscher	South Buffalo (84003) - As Built Records	8	65.00	520.00
6/16/2021	Jay Emery	As-Built Records South Buffalo	1	65.00	65.00
6/18/2021	Jay Emery	As-Built Records South Buffalo	1	65.00	65.00

**Terms: Net 30**

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**Subtotal**                                      \$2,015.00  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$2,015.00



# Invoice

Date: 6/30/2021  
 Invoice #: 149118

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A  
**Project:** [OSP] 22 OSP Projects  
**Work Code:** P1.0 - Project Management

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
5/25/2021	Brandi Ford	Reporting/Task Management/Meeting	0.5	60.00	30.00
5/26/2021	Charleen Long	Reporting / Task Management	0.5	60.00	30.00
5/31/2021	Brandi Ford	Reporting/Task Management/Meeting	0.5	60.00	30.00
6/9/2021	Brandi Ford	Reporting/Task Management/Meeting	0.5	60.00	30.00
6/9/2021	Charleen Long	Reporting / Task Management	0.5	60.00	30.00
6/11/2021	Brandi Ford	Reporting/Task Management/Meeting	0.5	60.00	30.00
6/13/2021	Earl Osborne	Route Review in Hot Springs and Warm Springs	5	65.00	325.00
6/14/2021	Earl Osborne	Route Review in Hot Springs and Warm Springs	12	65.00	780.00
6/14/2021	Brandi Ford	Reporting/Task Management/Meeting	0.5	60.00	30.00
6/15/2021	Richard Field	Hot springs Route Review	6	60.00	360.00
6/15/2021	Brandi Ford	Reporting/Task Management/Meeting	0.5	60.00	30.00
6/17/2021	Earl Osborne	Route Review in Hot Springs and Warm Springs	12	65.00	780.00
6/17/2021	Charleen Long	Reporting / Task Management	0.5	60.00	30.00
6/18/2021	Earl Osborne	Route Review in Hot Springs and Warm Springs	12	65.00	780.00
6/18/2021	Richard Field	Hot springs Route Review	12	60.00	720.00
6/19/2021	Earl Osborne	Route Review in Hot Springs and Warm Springs	12	65.00	780.00
6/19/2021	Richard Field	Hot springs Route Review	11.5	60.00	690.00
6/19/2021	Reimb. Expenses				
6/19/2021		Mileage (Earl Osborne)		333.76	333.76
6/19/2021		Dining (Earl Osborne)		136.50	136.50
6/19/2021		Dining (Richard Field)		95.00	95.00
6/19/2021		Motel 06/18/2021 - 06/19/2021 (Richard Field)		138.36	138.36
6/19/2021		Mileage (Richard Field)		135.90	135.90
		Total Reimbursable Expenses			839.52

**Terms: Net 30**

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**Subtotal** \$6,324.52  
**Sales Tax (0.0%)** \$0.00  
**Balance Due** \$6,324.52



# Invoice

**Date**                      **Invoice #**  
 6/30/2021                      149119

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [Sp Proj] 20/21 Data Collection

**Work Code:** A3.0 - MRE / Paperwork

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
5/24/2021	Steven Larson	Make Ready Coordination - Dominion - Botetourt County Applications	1	95.00	95.00
5/25/2021	Eric Rajchel	Dominion Pole Application Coordination	0.5	130.00	65.00
5/25/2021	Steven Larson	Make Ready Coordination - Dominion - Botetourt County Applications	3	95.00	285.00
5/26/2021	Steven Larson	Make Ready Coordination - Dominion - Botetourt County Applications	4	95.00	380.00
5/27/2021	Steven Larson	Make Ready Coordination - Dominion - Botetourt County Applications	3	95.00	285.00
5/28/2021	Steven Larson	Make Ready Coordination - Dominion - Botetourt County Applications	3	95.00	285.00
5/29/2021	Steven Larson	Make Ready Coordination - Dominion - Botetourt County Applications	4	95.00	380.00

**Terms: Net 30**

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**Subtotal**                                      \$1,775.00  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$1,775.00



# Invoice

Date: 6/30/2021 Invoice #: 149120

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A  
**Project:** [Sp Proj] 22 Data Collection  
**Work Code:** A3.0 - MRE / Paperwork

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
5/23/2021	Sabrina Seagraves	Make Ready Engineering - Hot Springs	1	65.00	65.00
5/23/2021	Sabrina Seagraves	Make Ready Engineering - Warm Springs	1	65.00	65.00
5/24/2021	Sabrina Seagraves	Make Ready Engineering - Hot Springs	8	65.00	520.00
5/24/2021	Todd Schaefer	Make Ready Engineering - Hot Springs	10	65.00	650.00
5/24/2021	Evan Eidem	BARC Electric Dominion Pole Make Ready Mapping	4.5	100.00	450.00
5/25/2021	Sabrina Seagraves	Make Ready Engineering - Hot Springs	9	65.00	585.00
5/25/2021	Todd Schaefer	Make Ready Engineering - Hot Springs	10	65.00	650.00
5/25/2021	Steven Larson	Make Ready Coordination - Warm Springs	2	95.00	190.00
5/26/2021	Sabrina Seagraves	Make Ready Engineering - Hot Springs	9.5	65.00	617.50
5/26/2021	Todd Schaefer	Make Ready Engineering - Hot Springs	10	65.00	650.00
5/26/2021	Steven Larson	Make Ready Coordination - Warm Springs	2	95.00	190.00
5/27/2021	Sabrina Seagraves	Make Ready Engineering - Hot Springs	4.5	65.00	292.50
5/27/2021	Sabrina Seagraves	Make Ready Engineering - Warm Springs	0.5	65.00	32.50
5/27/2021	Todd Schaefer	Make Ready Engineering - Hot Springs	9	65.00	585.00
5/27/2021	David Harnisch	Make Ready Engineering - Overall	1.5	65.00	97.50
5/27/2021	Steven Larson	Make Ready Coordination - Warm Springs	2	95.00	190.00
5/28/2021	Sabrina Seagraves	Make Ready Engineering - Hot Springs	5.5	65.00	357.50
5/28/2021	Sabrina Seagraves	Make Ready Engineering - Hot Springs	0.5	65.00	32.50
5/28/2021	Sabrina Seagraves	Make Ready Engineering - Warm Springs	1	65.00	65.00
5/28/2021	Todd Schaefer	Make Ready Engineering - Hot Springs	5	65.00	325.00
5/28/2021	David Harnisch	Make Ready Engineering - Overall	1	65.00	65.00
5/28/2021	David Harnisch	Make Ready Engineering - Overall	6.5	65.00	422.50
5/28/2021	Steven Larson	Make Ready Coordination - Warm Springs	2	95.00	190.00
5/29/2021	Sabrina Seagraves	Make Ready Engineering - Hot Springs	3.5	65.00	227.50
5/29/2021	Sabrina Seagraves	Make Ready Engineering - Warm Springs	5	65.00	325.00
5/30/2021	Sabrina Seagraves	Make Ready Engineering - Warm Springs	10	65.00	650.00
6/1/2021	Sabrina Seagraves	Make Ready Engineering - Warm Springs	6	65.00	390.00
6/1/2021	Todd Schaefer	Make Ready Engineering - Warm Springs	6.5	65.00	422.50
6/1/2021	Steven Larson	Make Ready Coordination - Overall	2	95.00	190.00
6/1/2021	Evan Eidem	BARC Electric Pole Make Ready Mapping	1	100.00	100.00
6/2/2021	Sabrina Seagraves	Make Ready Engineering - Warm Springs	3.5	65.00	227.50

**Terms: Net 30**

**Subtotal**

**Sales Tax (0.0%)**

**Balance Due**





# Invoice

Date: 6/30/2021  
 Invoice #: 149120

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A  
**Project:** [Sp Proj] 22 Data Collection  
**Work Code:** A3.0 - MRE / Paperwork

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/2/2021	Todd Schaefer	Make Ready Engineering - Warm Springs	10	65.00	650.00
6/2/2021	Steven Larson	Make Ready Coordination - Overall	3	95.00	285.00
6/2/2021	Evan Eidem	BARC Electric Pole Make Ready Mapping	2.5	100.00	250.00
6/3/2021	Sabrina Seagraves	Make Ready Engineering - Warm Springs	10	65.00	650.00
6/3/2021	Todd Schaefer	Make Ready Engineering - Hot Springs	10	65.00	650.00
6/4/2021	Todd Schaefer	Make Ready Engineering - Hot Springs	3	65.00	195.00
6/4/2021	Steven Larson	Make Ready Coordination - Overall	1	95.00	95.00
6/4/2021	David Harnisch	Make Ready Engineering - Overall	1	65.00	65.00
6/7/2021	Sabrina Seagraves	Make Ready Engineering - Warm Springs	12	65.00	780.00
6/7/2021	Steven Larson	Make Ready Coordination - Overall	2	95.00	190.00
6/7/2021	Chris Lamos	Pole Make Ready Mapping	4	75.00	300.00
6/7/2021	Evan Eidem	BARC Electric Pole Make Ready Mapping	2.5	100.00	250.00
6/8/2021	Sabrina Seagraves	Make Ready Engineering - Warm Springs	12	65.00	780.00
6/8/2021	Steven Larson	Make Ready Coordination - Overall	2	95.00	190.00
6/8/2021	Chris Lamos	Pole Make Ready Mapping	6	75.00	450.00
6/8/2021	Evan Eidem	BARC Electric Pole Make Ready Mapping	1	100.00	100.00
6/9/2021	Sabrina Seagraves	Make Ready Engineering - Warm Springs	7.5	65.00	487.50
6/9/2021	Steven Larson	Make Ready Coordination - Overall	3	95.00	285.00
6/9/2021	Chris Lamos	Pole Make Ready Mapping	6	75.00	450.00
6/10/2021	Steven Larson	Make Ready Coordination - Overall	2	95.00	190.00
6/10/2021	Chris Lamos	Pole Make Ready Mapping	5	75.00	375.00
6/11/2021	Sabrina Seagraves	Make Ready Engineering - Warm Springs	8.5	65.00	552.50
6/11/2021	Sabrina Seagraves	Make Ready Engineering - Warm Springs	1.5	65.00	97.50
6/11/2021	Steven Larson	Make Ready Coordination - Overall	1	95.00	95.00
6/11/2021	Chris Lamos	Pole Make Ready Mapping	8	75.00	600.00
6/12/2021	Sabrina Seagraves	Make Ready Engineering - Warm Springs	8.5	65.00	552.50
6/13/2021	Sabrina Seagraves	Make Ready Engineering - Warm Springs	8	65.00	520.00
6/14/2021	Evan Eidem	BARC Electric Pole Make Ready Mapping	0.5	100.00	50.00
6/14/2021	Steven Larson	Make Ready Coordination - Overall	1	95.00	95.00
6/14/2021	Chris Lamos	Pole Make Ready Mapping	3	75.00	225.00
6/14/2021	Sabrina Seagraves	Make Ready Engineering - Warm Springs	9.5	65.00	617.50

**Terms: Net 30**

**Subtotal**

**Sales Tax (0.0%)**

**Balance Due**



# Invoice

Date: 6/30/2021  
 Invoice #: 149120

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A  
**Project:** [Sp Proj] 22 Data Collection  
**Work Code:** A3.0 - MRE / Paperwork

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/15/2021	Steven Larson	Make Ready Coordination - Overall	1	95.00	95.00
6/15/2021	Sabrina Seagraves	Make Ready Engineering - Warm Springs	11	65.00	715.00
6/16/2021	Chris Lamos	Pole Make Ready Mapping	1	75.00	75.00
6/16/2021	Sabrina Seagraves	Make Ready Engineering - Warm Springs	5	65.00	325.00
6/16/2021	David Harnisch	Make Ready Engineering - Overall	6.5	65.00	422.50
6/17/2021	Evan Eidem	BARC Electric Pole Make Ready Mapping	2	100.00	200.00
6/17/2021	Steven Larson	Make Ready Coordination - Overall	1	95.00	95.00
6/17/2021	Chris Lamos	Pole Make Ready Mapping	9	75.00	675.00
6/17/2021	Sabrina Seagraves	Make Ready Engineering - Warm Springs	6.5	65.00	422.50
6/17/2021	Sabrina Seagraves	Make Ready Engineering - Warm Springs	3	65.00	195.00
6/17/2021	David Harnisch	Make Ready Engineering - Overall	1.5	65.00	97.50
6/18/2021	Evan Eidem	BARC Electric Pole Make Ready Mapping	2	100.00	200.00
6/18/2021	Steven Larson	Make Ready Coordination - Overall	1	95.00	95.00
6/18/2021	Chris Lamos	Pole Make Ready Mapping	5.5	75.00	412.50
6/18/2021	Sabrina Seagraves	Make Ready Engineering - Warm Springs	1.5	65.00	97.50
6/18/2021	David Harnisch	Make Ready Engineering - Overall	1	65.00	65.00
	Reimb. Expenses				
6/19/2021		Shipping Costs (David Harnisch)		226.78	226.78
6/19/2021		STD Copies (David Harnisch)		285.50	285.50
		Total Reimbursable Expenses			512.28

**Terms: Net 30**

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*Please direct any billing questions to Stephanie Nemec at (605) 995-1791 or send e-mail to BillingTeam@vantagepnt.com.*

**Subtotal** \$25,592.28  
**Sales Tax (0.0%)** \$0.00  
**Balance Due** \$25,592.28



# Invoice

<b>Date</b>	<b>Invoice #</b>
6/30/2021	147866

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A  
**Project:** [Sp Proj] Regulatory Filing Package  
**Work Code:** A1.1 - Project Design

Staff Member	Work Description	Qty	Rate	Amount
Rev. Contract	Monthly Regulatory Filing Fee	1	195.00	195.00

**Terms** Net 30

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<b>Subtotal</b>	\$195.00
<b>Sales Tax (0.0%)</b>	\$0.00
<b>Total</b>	\$195.00



# Invoice

<b>Date</b>	<b>Invoice #</b>
6/30/2021	147626

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A**Project:** A1.1 - [Sp Proj] 20 CALEA Broadband TTP**Work Code:** A1.1 - [Sp Proj] 20 CALEA Broadband TTP

Staff Member	Work Description	Qty	Rate	Amount
CALEA TTP	CALEA Monthly Recurring TTP Service Fee	1	275.00	275.00

**Terms** Net 30*Our team at Vantage Point appreciates your business!*

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 send e-mail to [BillingTeam@vantagepnt.com](mailto:BillingTeam@vantagepnt.com).

<b>Subtotal</b>	\$275.00
<b>Sales Tax (0.0%)</b>	\$0.00
<b>Total</b>	\$275.00



# Invoice

Date: 6/30/2021  
 Invoice #: 149121

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-Contract

**Project:**

**Work Code:** A1.0 - [GC] General Consulting

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
5/24/2021	Quentin Flippin	Project Management, Weekly Call, and Coordination	2	155.00	310.00
5/24/2021	Cole Donahue	158 Ridge Road Design	1	120.00	120.00
5/25/2021	Quentin Flippin	Project Management, Weekly Call, and Coordination	2	155.00	310.00
5/25/2021	Cole Donahue	BOM Additions of D Cases	2	120.00	240.00
5/26/2021	Quentin Flippin	Project Management, Weekly Call, and Coordination	3.5	155.00	542.50
5/26/2021	Cole Donahue	BOM Additions of D Cases	0.5	120.00	60.00
5/26/2021	Cole Donahue	Cornwall East Design Changes	1	120.00	120.00
5/26/2021	Cole Donahue	Discussion on pole collection data	2	120.00	240.00
5/26/2021	Cole Donahue	Phase 2 Update Meeting and Prep	2.5	120.00	300.00
5/26/2021	Chris Lamos	2022 Project Mileage Tabulations	5	75.00	375.00
5/27/2021	Quentin Flippin	Project Management, Weekly Call, and Coordination	1	155.00	155.00
5/27/2021	Quentin Flippin	Weekly Meeting	1	155.00	155.00
5/27/2021	Cole Donahue	BOM Additions of D Cases	0.5	120.00	60.00
5/27/2021	Cole Donahue	Cornwall East Design Changes	0.5	120.00	60.00
5/27/2021	Cole Donahue	Design Uploads	1	120.00	120.00
5/27/2021	Cole Donahue	Discussion on pole collection data	1	120.00	120.00
5/28/2021	Quentin Flippin	Project Management, Weekly Call, and Coordination	0.5	155.00	77.50
6/1/2021	Cole Donahue	158 Ridge Road Design	1	120.00	120.00
6/1/2021	Cole Donahue	Cornwall East Design Changes	0.5	120.00	60.00
6/2/2021	Cole Donahue	Botetourt County Update	0.5	120.00	60.00
6/2/2021	Cole Donahue	Invoicing Review	1.5	120.00	180.00
6/2/2021	Cole Donahue	Phase 2 Update Meeting and Prep	2	120.00	240.00
6/4/2021	Cole Donahue	Project Planning/Timeline Review	1	120.00	120.00
6/4/2021	Quentin Flippin	Project Management - Schedule Shifting	0.5	155.00	77.50
6/8/2021	Cole Donahue	Design Uploads	1	120.00	120.00
6/8/2021	Cole Donahue	Discussion on pole collection data	1	120.00	120.00
6/9/2021	Quentin Flippin	Project Management, Meetings, and Coordination	3.5	155.00	542.50
6/9/2021	Cole Donahue	Phase 2 Update Meeting and Prep	2	120.00	240.00
6/9/2021	Cole Donahue	Project Planning/Timeline Review	2	120.00	240.00
6/10/2021	Cole Donahue	Project Planning/Timeline Review	1	120.00	120.00
6/14/2021	Quentin Flippin	Project Management, Meetings, and Coordination	2	155.00	310.00

**Terms: Net 30**

**Subtotal**

**Sales Tax (0.0%)**

**Balance Due**



# Invoice

**Date**                      **Invoice #**  
 6/30/2021                      149121

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-Contract

**Project:**

**Work Code:**                      A1.0 - [GC] General Consulting

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/14/2021	Cole Donahue	Project Planning/Timeline Review	1	120.00	120.00
6/15/2021	Quentin Flippin	Project Management, Meetings, and Coordination	1.5	155.00	232.50
6/15/2021	Cole Donahue	Project Planning/Timeline Review	1.5	120.00	180.00
6/16/2021	Cole Donahue	Phase 2 Update Meeting and Prep	1.5	120.00	180.00
6/16/2021	Cole Donahue	Project Planning/Timeline Review	0.5	120.00	60.00
6/17/2021	Cole Donahue	158 Ridge Road Design	1	120.00	120.00
6/17/2021	Cole Donahue	Cornwall East RR Permitting Discussion	1	120.00	120.00
6/17/2021	Cole Donahue	Design Uploads	0.5	120.00	60.00
6/17/2021	Cole Donahue	Project Planning/Timeline Review	1.5	120.00	180.00
6/18/2021	Quentin Flippin	Project Management, Meetings, and Coordination	1	155.00	155.00

**Terms: Net 30**

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**Subtotal**                                      \$7,322.50  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$7,322.50



# Invoice

<b>Date</b>	<b>Invoice #</b>
6/30/2021	149122

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-Contract

**Project:**

**Work Code:** S1.0 - [REV] Revenue Consulting

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/8/2021	Tammie Herrlein	ETC	0.5	150.00	75.00
6/9/2021	Shelby Pardy	ETC Submission	0.5	140.00	70.00
6/10/2021	Shelby Pardy	ETC Submission	0.5	140.00	70.00

**Terms: Net 30**

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<b>Subtotal</b>	\$215.00
<b>Sales Tax (0.0%)</b>	\$0.00
<b>Balance Due</b>	\$215.00

<b>TITLE</b>	2021-07-21 Purchase Request Form - VPS 2021-07-09
<b>FILE NAME</b>	2021-07-21 Purcha...PS 2021-07-09.pdf
<b>DOCUMENT ID</b>	4e2a04bfa2595c6f6ce5fcc95f3ec4fe219bbd1b
<b>AUDIT TRAIL DATE FORMAT</b>	MM / DD / YYYY
<b>STATUS</b>	● Completed

## Document History



SENT

**07 / 21 / 2021**  
 13:53:57 UTC

Sent for signature to Greg Cook (gcook@barcelectric.com) and Mike Keyser (mkeyser@barcelectric.com) from cperdue@barcelectric.com  
 IP: 216.55.240.126



VIEWED

**07 / 21 / 2021**  
 14:17:23 UTC

Viewed by Mike Keyser (mkeyser@barcelectric.com)  
 IP: 192.230.208.87



SIGNED

**07 / 21 / 2021**  
 14:17:42 UTC

Signed by Mike Keyser (mkeyser@barcelectric.com)  
 IP: 192.230.208.87



VIEWED

**07 / 21 / 2021**  
 15:10:15 UTC

Viewed by Greg Cook (gcook@barcelectric.com)  
 IP: 216.55.240.126



SIGNED

**07 / 21 / 2021**  
 15:10:36 UTC

Signed by Greg Cook (gcook@barcelectric.com)  
 IP: 216.55.240.126



COMPLETED

**07 / 21 / 2021**  
 15:10:36 UTC

The document has been completed.



<b>APPROVALS</b>		Vendor Name:	Vantage Point Solutions
Approval Date: 08 / 23 / 2021		Contact:	Stephanie Nemece
Submitted by Courtney Perdue 08/23/21		Address 1:	2211 N. Minnesota St.
Division Approval:		City/State/Zip:	Mitchell, SD 57301
CEO Approval (+\$20k): <i>uq</i>		Telephone/Fax/E-Mail:	(605) 995-1791
		E-Mail:	<a href="mailto:billingteam@vantagepnt.com">billingteam@vantagepnt.com</a>



**DESCRIPTION OF ITEM PURCHASED**

**CODING INFORMATION**

Quantity	Vendor Material #	BARC Material #	Basic Description	Unit Price	Total	Dept.	G/L Account	Work Order/ Proj #	ID Code
			RDOF Post-Auction Services		\$ -	100	107.22	169	CNTR 00
			Monthly Regulatory Filing Fee		\$ 195.00	100	107.22	169	CNTR 00
			CALEA Monthly Recurring Fee		\$ 275.00	100	107.22	169	CNTR 00
			HUBB Reporting		\$ -	100	107.22	169	CNTR 00
			As-built Mapping		\$ 16,482.50	100	121.99		CNTR 00
			Effinger-Glasgow VATI funded		\$ 18,283.02	100	107.20	84000	CNTR 00
			South Buffalo VATI funded		\$ 19,724.38	100	107.20	84003	CNTR 00
			Big Hill VATI funded		\$ 1,873.10	100	107.20	84001	CNTR 00
			S River/Vesuvius VATI funded		\$ 26,963.83	100	107.20	84002	
			OSP Inspections		\$ 36,475.52	100	121.99		CNTR 00
			Engineering & Design - Warm Springs		\$ -	100	107.20	84336	CNTR 00
			Engineering & Design - Hot Springs		\$ -	100	107.20	84337	CNTR 00
			Engineering & Design - Falling Springs		\$ -	100	107.20	84339	CNTR 00
			CARES Act		\$ -	100	107.22	230	CNTR 00
			Make Ready		\$ 37,375.86	100	121.99		CNTR 00
			Make Ready - Botetourt		\$ -	100	107.20	70006	CNTR 00
			Make Ready - Millboro Springs West		\$ -	100	107.20	84014	CNTR 00
			Inspection Services-Downtown Lexington		\$ -	100	107.20	70001	CNTR 00
			Goshen ARC		\$ 22,681.79	100	107.20	70002	CNTR 00
			Staking/Mapping		\$ 21,067.00	100	121.99		CNTR 00
			GIS Collection		\$ -	100	121.99		CNTR 00
			Administrative Costs and General Consulting		\$ 18,454.15	100	121.99		CNTR 00
			<b>Shipping, Tax &amp; Other Charges</b>						

**GRAND TOTAL - ALL CHARGES**      \$ 219,851.15

INVOICE NO.	DESCRIPTION	AMOUNT	Dept.	G/L Account	Work Order/ Proj #	ID Code
150060	OSP Inspections	32.50	100	121.99		CNTR 00
150077	Administrative Costs and General Consulting	750.00	100	121.99		CNTR 00
150078	OSP Inspections	36,443.02	100	121.99		CNTR 00
150079	As-built Mapping	15,345.00	100	121.99		CNTR 00
150080	Administrative Costs and General Consulting	840.00	100	121.99		CNTR 00
150061	Big Hill VATI funded	1,183.10	100	107.20	84001	CNTR 00
150062	Big Hill VATI funded	690.00	100	107.20	84001	CNTR 00
150063	As-built Mapping	1,137.50	100	121.99		CNTR 00
150064	Effinger-Glasgow VATI funded	4,583.02	100	107.20	84000	CNTR 00
150065	Effinger-Glasgow VATI funded	13,700.00	100	107.20	84000	CNTR 00
150066	Goshen ARC	1,112.50	100	107.20	70002	CNTR 00
150067	Goshen ARC	17,410.39	100	107.20	70002	CNTR 00
150068	Goshen ARC	895.00	100	107.20	70002	CNTR 00
150069	Goshen ARC	3,263.90	100	107.20	70002	CNTR 00
150070	S River/Vesuvius VATI funded	420.00	100	107.20	84002	CNTR 00
150071	S River/Vesuvius VATI funded	15,083.83	100	107.20	84002	CNTR 00
150072	S River/Vesuvius VATI funded	3,960.00	100	107.20	84002	CNTR 00
150073	S River/Vesuvius VATI funded	7,500.00	100	107.20	84002	CNTR 00
150074	South Buffalo VATI funded	12,714.38	100	107.20	84003	CNTR 00
150075	South Buffalo VATI funded	5,330.00	100	107.20	84003	CNTR 00
150076	South Buffalo VATI funded	1,680.00	100	107.20	84003	CNTR 00
150081	Administrative Costs and General Consulting	5,761.65	100	121.99		CNTR 00
149665	Staking/Mapping	21,067.00	100	121.99		CNTR 00
150082	Synergy Bronze Plan (Connect Pre-Pay)	-	100	107.22	169	CNTR 00
150083	Make Ready	11,455.00	100	121.99		CNTR 00
150084	Make Ready	25,920.86	100	121.99		CNTR 00
149413	Monthly Regulatory Filing Fee	195.00	100	107.22	169	CNTR 00
149222	CALEA Monthly Recurring Fee	275.00	100	107.22	169	CNTR 00
150085	Administrative Costs and General Consulting	10,942.50	100	121.99		CNTR 00
150086	Administrative Costs and General Consulting	160.00	100	121.99		CNTR 00
		<b>219,851.15</b>				

Statement Balance 08/17/2021  
Diff

219,783.65  
(67.50)



# Statement

Date

8/17/2021

**To:**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

Amount Due	Amount Enclosed
\$219,783.65	

Date	Transaction	Amount	Balance
07/09/2021	Balance forward		223,291.54
	VA-BARCEL-NA:[OSP] 19 OSP Engineering:P14.0 - OSP Inspection Services-		
07/31/2021	INV #150060.	32.50	223,324.04
08/03/2021	PMT #161621. Payment - Thank you!	-390.00	222,934.04
	VA-BARCEL-NA:[OSP] 19 OSP Engineering:P22.0 - As-Built Records/Mapping-		
08/03/2021	PMT #161621. Payment - Thank you!	-4,615.00	218,319.04
	VA-BARCEL-NA:[OSP] 19 OSP Engineering:P5.1 - Staking & Mapping Services-		
08/03/2021	PMT #161621. Payment - Thank you!	-4,371.00	213,948.04
	VA-BARCEL-NA:[OSP] 20-21 Remaining Projects:P1.0 - Project Management-		
07/31/2021	INV #150077.	750.00	214,698.04
08/03/2021	PMT #161621. Payment - Thank you!	-7,693.92	207,004.12
	VA-BARCEL-NA:[OSP] 20-21 Remaining Projects:P14.0 - OSP Inspection Services-		
07/31/2021	INV #150078.	36,443.02	243,447.14
08/03/2021	PMT #161621. Payment - Thank you!	-6,375.64	237,071.50
	VA-BARCEL-NA:[OSP] 20-21 Remaining Projects:P22.0 - As-Built Records/Mapping-		
07/31/2021	INV #150079.	15,345.00	252,416.50
08/03/2021	PMT #161621. Payment - Thank you!	-10,755.00	241,661.50
	VA-BARCEL-NA:[OSP] 20-21 Remaining Projects:P3.0 - ROW Permitting / City Coordination-		
07/31/2021	INV #150080.	840.00	242,501.50
08/03/2021	PMT #161621. Payment - Thank you!	-480.00	242,021.50

We appreciate your business.

Please direct any billing questions to Stephanie Nemeč at (605) 995-1791 or send e-mail to [BillingTeam@vantagepnt.com](mailto:BillingTeam@vantagepnt.com).

<b>Amount Due</b>
-------------------

\$219,783.65



# Statement

Date

8/17/2021

**To:**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

Amount Due	Amount Enclosed
\$219,783.65	

Date	Transaction	Amount	Balance
08/03/2021	VA-BARCEL-NA:[OSP] 20-21 Remaining Projects:P5.1 - Staking & Mapping Services- PMT #161621. Payment - Thank you!	-69,984.00	172,037.50
07/31/2021	VA-BARCEL-NA:[OSP] 20 Big Hill VATI Area:P14.0 - OSP Inspection Services- INV #150061.	1,183.10	173,220.60
08/03/2021	PMT #161621. Payment - Thank you!	-2,025.64	171,194.96
07/31/2021	VA-BARCEL-NA:[OSP] 20 Big Hill VATI Area:P22.0 - As-Built Records/Mapping- INV #150062.	690.00	171,884.96
08/03/2021	PMT #161621. Payment - Thank you!	-60.00	171,824.96
08/03/2021	VA-BARCEL-NA:[OSP] 20 Cares Act:P14.0 - OSP Inspection Services- PMT #161621. Payment - Thank you!	-777.50	171,047.46
07/31/2021	VA-BARCEL-NA:[OSP] 20 Cares Act:P22.0 - As-Built Records/Mapping- INV #150063.	1,137.50	172,184.96
08/03/2021	PMT #161621. Payment - Thank you!	-1,657.50	170,527.46
07/31/2021	VA-BARCEL-NA:[OSP] 20 Effinger-Glasgow VATI Area:P14.0 - OSP Inspection Services- INV #150064.	4,583.02	175,110.48
08/03/2021	PMT #161621. Payment - Thank you!	-17,392.87	157,717.61
07/31/2021	VA-BARCEL-NA:[OSP] 20 Effinger-Glasgow VATI Area:P22.0 - As-Built Records/Mapping- INV #150065.	13,700.00	171,417.61
08/03/2021	PMT #161621. Payment - Thank you!	-10,185.00	161,232.61
	VA-BARCEL-NA:[OSP] 20 Goshen OSP Engineering:P1.0 - Project Management-		

We appreciate your business.

<b>Amount Due</b>
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\$219,783.65



# Statement

Date

8/17/2021

**To:**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

Amount Due	Amount Enclosed
\$219,783.65	

Date	Transaction	Amount	Balance
07/31/2021	INV #150066.	1,112.50	162,345.11
08/03/2021	PMT #161621. Payment - Thank you!	-455.00	161,890.11
	VA-BARCEL-NA:[OSP] 20 Goshen OSP Engineering:P14.0 - OSP Inspection Services-		
07/31/2021	INV #150067.	17,410.39	179,300.50
08/03/2021	PMT #161621. Payment - Thank you!	-14,454.68	164,845.82
	VA-BARCEL-NA:[OSP] 20 Goshen OSP Engineering:P22.0 - As-Built Records/Mapping-		
07/31/2021	INV #150068.	895.00	165,740.82
08/03/2021	PMT #161621. Payment - Thank you!	-1,070.00	164,670.82
	VA-BARCEL-NA:[OSP] 20 Goshen OSP Engineering:P3.0 - ROW Permitting / City Coordination-		
07/31/2021	INV #150069.	3,263.90	167,934.72
08/03/2021	PMT #161621. Payment - Thank you!	-497.50	167,437.22
	VA-BARCEL-NA:[OSP] 20 S River-Vesuvius VATI Area:P1.0 - Project Management-		
07/31/2021	INV #150070.	420.00	167,857.22
	VA-BARCEL-NA:[OSP] 20 S River-Vesuvius VATI Area:P14.0 - OSP Inspection Services-		
07/31/2021	INV #150071.	15,083.83	182,941.05
08/03/2021	PMT #161621. Payment - Thank you!	-10,587.92	172,353.13
	VA-BARCEL-NA:[OSP] 20 S River-Vesuvius VATI Area:P22.0 - As-Built Records/Mapping-		
07/31/2021	INV #150072.	3,960.00	176,313.13
08/03/2021	PMT #161621. Payment - Thank you!	-65.00	176,248.13
	VA-BARCEL-NA:[OSP] 20 S River-Vesuvius VATI Area:P3.0 - ROW Permitting / City Coordination-		
07/31/2021	INV #150073.	7,500.00	183,748.13

<b>Amount Due</b>
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\$219,783.65



# Statement

Date

8/17/2021

**To:**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

Amount Due	Amount Enclosed
\$219,783.65	

Date	Transaction	Amount	Balance
08/03/2021	PMT #161621. Payment - Thank you!	-900.00	182,848.13
	VA-BARCEL-NA:[OSP] 20 South Buffalo VATI Area:P14.0 - OSP Inspection Services-		
07/31/2021	INV #150074.	12,714.38	195,562.51
08/03/2021	PMT #161621. Payment - Thank you!	-14,851.57	180,710.94
	VA-BARCEL-NA:[OSP] 20 South Buffalo VATI Area:P22.0 - As-Built Records/Mapping-		
07/31/2021	INV #150075.	5,330.00	186,040.94
08/03/2021	PMT #161621. Payment - Thank you!	-2,015.00	184,025.94
	VA-BARCEL-NA:[OSP] 20 South Buffalo VATI Area:P3.0 - ROW Permitting / City Coordination-		
07/31/2021	INV #150076.	1,680.00	185,705.94
	VA-BARCEL-NA:[OSP] 22 OSP Projects:P1.0 - Project Management-		
07/31/2021	INV #150081.	5,761.65	191,467.59
08/03/2021	PMT #161621. Payment - Thank you!	-6,324.52	185,143.07
	VA-BARCEL-NA:[OSP] 22 OSP Projects:P5.1 - Staking & Mapping Services-		
07/31/2021	INV #149665.	21,067.00	206,210.07
	VA-BARCEL-NA:[Sp Proj] 20 Synergy Service:A1.0 - Project Design-		
07/31/2021	INV #150082.	0.00	206,210.07
	VA-BARCEL-NA:[Sp Proj] 20/21 Data Collection:A3.0 - MRE / Paperwork-		
07/31/2021	INV #150083.	11,455.00	217,665.07
08/03/2021	PMT #161621. Payment - Thank you!	-1,775.00	215,890.07
	VA-BARCEL-NA:[Sp Proj] 22 Data Collection:A3.0 - MRE / Paperwork-		

<b>Amount Due</b>
-------------------

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\$219,783.65



# Statement

Date

8/17/2021

**To:**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

Amount Due	Amount Enclosed
\$219,783.65	

Date	Transaction	Amount	Balance
07/31/2021	INV #150084.	25,920.86	241,810.93
08/03/2021	PMT #161621. Payment - Thank you!	-25,592.28	216,218.65
	VA-BARCEL-NA:[Sp Proj] Regulatory Filing Package:A1.1 - Project Design-		
07/31/2021	INV #149413.	195.00	216,413.65
08/03/2021	PMT #161621. Payment - Thank you!	-195.00	216,218.65
	VA-BARCEL-NA:A1.1 - [Sp Proj] 20 CALEA Broadband TTP-		
07/31/2021	INV #149222.	275.00	216,493.65
08/03/2021	PMT #161621. Payment - Thank you!	-275.00	216,218.65
	VA-BARCEL:A1.0 - [GC] General Consulting-		
07/31/2021	INV #150085.	10,942.50	227,161.15
08/03/2021	PMT #161621. Payment - Thank you!	-7,322.50	219,838.65
	VA-BARCEL:S1.0 - [REV] Revenue Consulting-		
07/31/2021	INV #150086.	160.00	219,998.65
08/03/2021	PMT #161621. Payment - Thank you!	-215.00	219,783.65

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<b>Amount Due</b>
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\$219,783.65



# Invoice

<b>Date</b>	<b>Invoice #</b>
7/31/2021	150060

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A**Project:** [OSP] 19 OSP Engineering**Work Code:** P14.0 - OSP Inspection Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
7/22/2021	Ann Carpenter	Invoicing (Contract 2B)	0.5	65.00	32.50

**Terms: Net 30***Our team at Vantage Point appreciates your business!**Please direct any billing questions to Stephanie Nemec at (605) 995-1791 or send e-mail to [BillingTeam@vantagepnt.com](mailto:BillingTeam@vantagepnt.com).*

<b>Subtotal</b>	\$32.50
<b>Sales Tax (0.0%)</b>	\$0.00
<b>Balance Due</b>	\$32.50

[billingteam@vantagepnt.com](mailto:billingteam@vantagepnt.com) 605-995-1777  
**VANTAGEPNT.com** 2211 N Minnesota Street Mitchell SD 57301





# Invoice

**Date**                      **Invoice #**  
 7/31/2021                      150077

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20-21 Remaining Projects

**Work Code:** P1.0 - Project Management

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/22/2021	Kyle Graves (CAD)	Conrock North and South Layouts / Design	2	75.00	150.00
6/28/2021	Kyle Graves (CAD)	Conrock North and South Layout / Design	2	75.00	150.00
6/28/2021	Charleen Long	Reporting / Task Management	0.5	60.00	30.00
6/29/2021	Kyle Graves (CAD)	Conrock North and South Layout / Design	1	75.00	75.00
7/6/2021	Kyle Graves (CAD)	Millboro Springs to Falling Springs Backbone Design	1	75.00	75.00
7/7/2021	Brandi Ford	Reporting/Task Management	0.5	60.00	30.00
7/12/2021	Todd Sapp	Project Management	1	120.00	120.00
7/13/2021	Todd Sapp	Project Management	1	120.00	120.00

**Terms: Net 30**

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**Subtotal**                                      \$750.00  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$750.00



# Invoice

Date: 7/31/2021  
 Invoice #: 150078

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20-21 Remaining Projects

**Work Code:** P14.0 - OSP Inspection Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/21/2021	John Howe	Downtown lex,70001	6.5	60.00	390.00
6/22/2021	Earl Osborne	North Buffalo 84004	12	65.00	780.00
6/22/2021	John Howe	Downtown lex,70001	7	60.00	420.00
6/22/2021	Richard Field	Moore's Quarry final drive out	12.5	60.00	750.00
6/22/2021	Erik Pannkuk	Final Inspection Moore's Quarry	12	55.00	660.00
6/23/2021	John Howe	Downtown lex,70001	6.5	60.00	390.00
6/23/2021	John Howe	Downtown lex,70001	1.5	60.00	90.00
6/23/2021	Erik Pannkuk	North Buffalo 84004	5	55.00	275.00
6/23/2021	Erik Pannkuk	North Buffalo 84004	8	55.00	440.00
6/24/2021	Earl Osborne	Downtown 70001	4	65.00	260.00
6/24/2021	John Howe	Downtown lex,70001	4	60.00	240.00
6/25/2021	Earl Osborne	Downtown 70001	14	65.00	910.00
6/26/2021	Earl Osborne	Downtown 70001	12	65.00	780.00
6/27/2021	Earl Osborne	North Buffalo 84004	12	65.00	780.00
6/28/2021	Earl Osborne	North Buffalo 84004	12	65.00	780.00
6/29/2021	John Howe	Downtown lex,70001	3	60.00	180.00
6/29/2021	Erik Pannkuk	North Buffalo 84004	13	55.00	715.00
6/30/2021	Erik Pannkuk	North Buffalo 84004	6	55.00	330.00
6/30/2021	Erik Pannkuk	North Buffalo 84004	7	55.00	385.00
7/7/2021	Earl Osborne	Downtown 70001	12	65.00	780.00
7/8/2021	Erik Pannkuk	North Buffalo 84004	13	55.00	715.00
7/9/2021	John Howe	Downtown lex,70001	7	60.00	420.00
7/10/2021	John Howe	Downtown lex,70001	12	60.00	720.00
7/10/2021	Richard Field	Cornwall Riverside final drive out (WO 82479)	10.5	60.00	630.00
7/10/2021	Erik Pannkuk	Final Inspection Cornwall Riverside 82479	10	55.00	550.00
7/11/2021	John Howe	Downtown Lex,70001	12	60.00	720.00
7/11/2021	Richard Field	Cornwall Riverside final drive out (WO 82479)	11.5	60.00	690.00
7/11/2021	Erik Pannkuk	Final Inspection Cornwall Riverside 82479	10	55.00	550.00
7/12/2021	Earl Osborne	Downtown 70001	4	65.00	260.00
7/12/2021	Earl Osborne	Estaline 82481 (Splicing)	8	65.00	520.00
7/12/2021	John Howe	Downtown Lex,70001	1	60.00	60.00

**Terms:** Net 30

**Subtotal**

**Sales Tax (0.0%)**

**Balance Due**



# Invoice

Date 7/31/2021 Invoice # 150078

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20-21 Remaining Projects

**Work Code:** P14.0 - OSP Inspection Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
7/12/2021	Erik Pannkuk	Inspection North Buffalo 84004	13	55.00	715.00
7/13/2021	Earl Osborne	Downtown 70001	8	65.00	520.00
7/13/2021	John Howe	Downtown Lex,70001	11	60.00	660.00
7/13/2021	Erik Pannkuk	Inspection North Buffalo 84004	12	55.00	660.00
7/14/2021	John Howe	Downtown Lex,70001	5	60.00	300.00
7/14/2021	John Howe	Downtown Lex,70001	1	60.00	60.00
7/15/2021	Earl Osborne	Downtown 70001	9.5	65.00	617.50
7/15/2021	John Howe	Downtown Lex,70001	8	60.00	480.00
7/15/2021	Erik Pannkuk	Inspection North Buffalo 84004	5	55.00	275.00
7/15/2021	Erik Pannkuk	Inspection North Buffalo 84004	4	55.00	220.00
7/16/2021	John Howe	Downtown Lex,70001	8	60.00	480.00
7/18/2021	John Howe	Downtown Lex, 70001	6.5	60.00	390.00
7/18/2021	Richard Field	N. Buffalo (84004) bore and drop inspections	2	60.00	120.00
7/20/2021	Richard Field	N. Buffalo (84004) bore and drop inspections	12	60.00	720.00
7/20/2021	Erik Pannkuk	Inspection North Buffalo 84004	13	55.00	715.00
7/20/2021	Earl Osborne	North Buffalo 84004	1.5	65.00	97.50
7/21/2021	Earl Osborne	North Buffalo 84004	12	65.00	780.00
7/21/2021	Erik Pannkuk	Inspection North Buffalo 84004	12	55.00	660.00
7/23/2021	Richard Field	Estaline Augusta county (82482) final drive out inspection	12	60.00	720.00
7/23/2021	Erik Pannkuk	Final Inspection Estaline 82482	12	55.00	660.00
7/24/2021	Richard Field	Estaline Augusta county (82482) final drive out inspection	11	60.00	660.00
7/24/2021	Erik Pannkuk	Final Inspection Estaline 82482	11	55.00	605.00
	Reimb. Expenses				
6/26/2021		Dining (Earl Osborne)		15.00	15.00
6/26/2021		Dining (John Howe)		84.00	84.00
6/26/2021		Dining (Richard Field)		32.00	32.00
6/26/2021		Dining (Erik Pannkuk)		85.00	85.00
6/26/2021		Dining (Erik Pannkuk)		42.00	42.00
6/26/2021		Motel 06/22/2021 (Richard Field)		69.18	69.18

**Terms: Net 30**

**Subtotal**

**Sales Tax (0.0%)**

**Balance Due**



# Invoice

Date: 7/31/2021  
 Invoice #: 150078

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20-21 Remaining Projects

**Work Code:** P14.0 - OSP Inspection Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/26/2021		Mileage (John Howe)		203.28	203.28
6/26/2021		Mileage (Erik Pannkuk)		199.36	199.36
7/3/2021		Mileage (Earl Osborne)		97.06	97.06
7/3/2021		Dining (Earl Osborne)		64.00	64.00
7/3/2021		Dining (Erik Pannkuk)		64.00	64.00
7/3/2021		Motel 06/22/2021 - 06/23/2021 (Erik Pannkuk)		138.36	138.36
7/3/2021		Mileage (John Howe)		20.16	20.16
7/3/2021		Mileage (Erik Pannkuk)		256.20	256.20
7/6/2021		Motel 06/29/2021 - 06/30/2021 (Erik Pannkuk)		138.36	138.36
7/10/2021		Field Supplies (Earl Osborne)		151.62	151.62
7/10/2021		Mileage (Earl Osborne)		173.60	173.60
7/10/2021		Dining (Earl Osborne)		136.50	136.50
7/10/2021		Dining (John Howe)		49.00	49.00
7/10/2021		Dining (Richard Field)		35.00	35.00
7/10/2021		Dining (Erik Pannkuk)		115.00	115.00
7/10/2021		Motel 07/08/2021 (Erik Pannkuk)		69.18	69.18
7/10/2021		Mileage (John Howe)		29.68	29.68
7/10/2021		Mileage (Erik Pannkuk)		82.60	82.60
7/17/2021		Mileage (Earl Osborne)		129.92	129.92
7/17/2021		Dining (Earl Osborne)		106.50	106.50
7/17/2021		Dining (John Howe)		180.00	180.00
7/17/2021		Motel 07/10/2021 - 07/16/2021 (John Howe)		484.26	484.26
7/17/2021		Dining (Richard Field)		41.00	41.00
7/17/2021		Dining (Erik Pannkuk)		74.50	74.50
7/17/2021		Motel 07/10/2021 - 07/13/2021, 07/15/2021 - 07/16/2021 (Erik Pannkuk)		415.08	415.08
7/17/2021		Motel 07/10/2021 - 07/11/2021 (Richard Field)		138.36	138.36
7/17/2021		Mileage (Earl Osborne)		52.26	52.26
7/17/2021		Mileage (John Howe)		115.36	115.36
7/17/2021		Mileage (Erik Pannkuk)		215.60	215.60
7/20/2021		Monthly Rental Expense (Earl Osborne)		3,139.28	3,139.28

**Terms: Net 30**

**Subtotal**

**Sales Tax (0.0%)**

**Balance Due**



# Invoice

**Date**                      **Invoice #**  
 7/31/2021                      150078

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20-21 Remaining Projects

**Work Code:** P14.0 - OSP Inspection Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
7/24/2021		Mileage (Earl Osborne)		134.40	134.40
7/24/2021		Dining (Earl Osborne)		64.00	64.00
7/24/2021		Dining (John Howe)		40.50	40.50
7/24/2021		Dining (Richard Field)		96.00	96.00
7/24/2021		Dining (Erik Pannkuk)		186.00	186.00
7/24/2021		Motel 07/20/2021 - 07/21/2021, 07/23/2021 - 07/24/2021 (Erik Pannkuk)		276.72	276.72
7/24/2021		Motel 07/20/2021, 07/23/2021 - 07/24/2021 (Richard Field)		207.54	207.54
7/24/2021		Mileage (John Howe)		17.36	17.36
7/24/2021		Mileage (Richard Field)		213.32	213.32
7/24/2021		Mileage (Erik Pannkuk)		479.92	479.92
		Total Reimbursable Expenses			9,158.02

**Terms: Net 30**

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**Subtotal**                                      \$36,443.02  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$36,443.02



# Invoice

Date: 7/31/2021  
 Invoice #: 150079

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20-21 Remaining Projects

**Work Code:** P22.0 - As-Built Records/Mapping

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/21/2021	Chad Bartscher	Estaline (82481) - As Built Records	4	65.00	260.00
6/21/2021	Chad Bartscher	Estaline (82482) - As Built Records	4	65.00	260.00
6/22/2021	Chad Bartscher	Estaline (82481) - As Built Records	4	65.00	260.00
6/22/2021	Chad Bartscher	Estaline (82482) - As Built Records	4	65.00	260.00
6/22/2021	Jay Emery	As-Built Records Cornwall Riverside	2	65.00	130.00
6/23/2021	Chad Bartscher	Jacktown (82507) As Built Records	8	65.00	520.00
6/24/2021	Chad Bartscher	Moore's Quarry (82483) - As Built Records	8	65.00	520.00
6/25/2021	Chad Bartscher	Moore's Quarry (82483) - As Built Records	5	65.00	325.00
6/28/2021	Kyle Moe (CAD)	As-Built Mapping - Estaline	10	65.00	650.00
6/29/2021	Kyle Moe (CAD)	As-Built Mapping - Estaline	7	65.00	455.00
6/29/2021	Jay Emery	As-Built Records Estaline(Augusta)	2	65.00	130.00
6/29/2021	Jay Emery	As-Built Records Estaline(Rockbridge)	2	65.00	130.00
7/1/2021	Kyle Moe (CAD)	As-Built Mapping - Estaline	4	65.00	260.00
7/1/2021	Jay Emery	As Built Records North Buffalo	1.5	65.00	97.50
7/2/2021	Kyle Moe (CAD)	As-Built Mapping - Estaline	2.5	65.00	162.50
7/2/2021	Kyle Moe (CAD)	As-Built Mapping - Estaline	5.5	65.00	357.50
7/6/2021	Kyle Moe (CAD)	As-Built Mapping - Estaline	7	65.00	455.00
7/7/2021	Jay Emery	As-Built Records Jacktown	1	65.00	65.00
7/7/2021	Jay Emery	As Built Records North Buffalo	1	65.00	65.00
7/7/2021	Jay Emery	As-Built Records Estaline(Rockbridge)	1	65.00	65.00
7/7/2021	Kyle Moe (CAD)	As-Built Mapping - Mill Creek	9	65.00	585.00
7/8/2021	Kyle Moe (CAD)	As-Built Mapping - Mill Creek	9	65.00	585.00
7/9/2021	Kyle Moe (CAD)	As-Built Mapping - Mill Creek	4	65.00	260.00
7/9/2021	Chad Bartscher	Moore's Quarry (82483) - As Built Records	3	65.00	195.00
7/12/2021	Jay Emery	As-Built Records Cornwall Riverside	1	65.00	65.00
7/12/2021	Jay Emery	As Built Records North Buffalo	1	65.00	65.00
7/12/2021	Kyle Moe (CAD)	As-Built Mapping - Plank Road	7	65.00	455.00
7/12/2021	Kyle Moe (CAD)	As-Built Mapping - Union Run	2.5	65.00	162.50
7/12/2021	Chad Bartscher	Moore's Quarry (82483) - As Built Records	8	65.00	520.00
7/13/2021	Kyle Moe (CAD)	As-Built Mapping - Plank Road	6	65.00	390.00
7/13/2021	Kyle Moe (CAD)	As-Built Mapping - Union Run	3	65.00	195.00

**Terms:** Net 30

**Subtotal**

**Sales Tax (0.0%)**

**Balance Due**



# Invoice

Date: 7/31/2021  
 Invoice #: 150079

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20-21 Remaining Projects

**Work Code:** P22.0 - As-Built Records/Mapping

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
7/13/2021	Chad Bartscher	Mill Creek (82538) - As Built Records	8	65.00	520.00
7/14/2021	Kyle Moe (CAD)	As-Built Mapping - Jacktown	3	65.00	195.00
7/14/2021	Kyle Moe (CAD)	As-Built Mapping - Union Run	6	65.00	390.00
7/14/2021	Chad Bartscher	Mill Creek (82538) - As Built Records	8	65.00	520.00
7/15/2021	Kyle Moe (CAD)	As-Built Mapping - Jacktown	4	65.00	260.00
7/15/2021	Chad Bartscher	Jacktown (82507) - As Built Records	4	65.00	260.00
7/15/2021	Chad Bartscher	Estaline (82481) - As Built Records	1	65.00	65.00
7/15/2021	Chad Bartscher	Estaline (82482) - As Built Records	1	65.00	65.00
7/16/2021	Chad Bartscher	Moore's Quarry (82483) - As Built Records	2	65.00	130.00
7/16/2021	Chad Bartscher	Estaline (82481) - As Built Records	1	65.00	65.00
7/16/2021	Chad Bartscher	Estaline (82482) - As Built Records	1	65.00	65.00
7/19/2021	Jay Emery	As-Built Records Jacktown	1	65.00	65.00
7/19/2021	Chad Bartscher	North Buffalo (84005) - As Built Records	8	65.00	520.00
7/20/2021	Chad Bartscher	North Buffalo (84005) - As Built Records	8	65.00	520.00
7/21/2021	Jay Emery	As-Built Records Estaline(Rockbridge)	2	65.00	130.00
7/21/2021	Chad Bartscher	Cornwall Riverside (82479) As Built Records	8	65.00	520.00
7/22/2021	Jay Emery	As Built Records Depot Hill	1	65.00	65.00
7/22/2021	Jay Emery	As Built Records North Raphine and Augusta	1	65.00	65.00
7/22/2021	Chad Bartscher	Cornwall Riverside (82479) As Built Records	8	65.00	520.00
7/23/2021	Jay Emery	As Built Records Depot Hill	1	65.00	65.00
7/23/2021	Jay Emery	As Built Records North Raphine and Augusta	2	65.00	130.00
7/23/2021	Jay Emery	As-Built Records North Buffalo	1	65.00	65.00
7/23/2021	Chad Bartscher	Cornwall Riverside (82479) As Built Records	8	65.00	520.00
7/23/2021	Ben Hail	As-Built Records Estaline	2	60.00	120.00
7/23/2021	Ben Hail	As-Built Records Depot Hill RD	2.5	60.00	150.00
7/23/2021	Ben Hail	As-Built Records Depot Hill RD	4.5	60.00	270.00
7/24/2021	Ben Hail	As-Built Records Estaline	3	60.00	180.00

**Terms: Net 30**

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*Please direct any billing questions to Stephanie Nemec at (605) 995-1791 or send e-mail to BillingTeam@vantagepnt.com.*

**Subtotal** \$15,345.00  
**Sales Tax (0.0%)** \$0.00  
**Balance Due** \$15,345.00



# Invoice

<b>Date</b>	<b>Invoice #</b>
7/31/2021	150080

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A**Project:** [OSP] 20-21 Remaining Projects**Work Code:** P3.0 - ROW Permitting / City Coordination

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/22/2021	Amy Moore	Goshen/Cornwall East/Botetourt/Vesuvius/etc: ROW Status Monitoring and Reporting	7	60.00	420.00
6/23/2021	Amy Moore	Goshen/Cornwall East/Botetourt/Vesuvius/etc: ROW Status Monitoring and Reporting	4	60.00	240.00
7/12/2021	Josh Muntefering	ROW Permit Coordination / Blue Ridge State Forest permit meeting	3	60.00	180.00

**Terms: Net 30***Our team at Vantage Point appreciates your business!**Please direct any billing questions to Stephanie Nemec at (605) 995-1791 or send e-mail to [BillingTeam@vantagepnt.com](mailto:BillingTeam@vantagepnt.com).*

<b>Subtotal</b>	\$840.00
<b>Sales Tax (0.0%)</b>	\$0.00
<b>Balance Due</b>	\$840.00





# Invoice

**Date**                      **Invoice #**  
 7/31/2021                      150061

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A  
**Project:** [OSP] 20 Big Hill VATI Area  
**Work Code:** P14.0 - OSP Inspection Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/22/2021	Ann Carpenter	Invoicing (Vati)	3.5	65.00	227.50
6/29/2021	Ann Carpenter	Invoicing (Vati)	1.5	65.00	97.50
7/9/2021	Richard Field	Big Hill final drive out (WO 84001)	6	60.00	360.00
7/9/2021	Erik Pannkuk	Final Inspection Big Hill 84001	6	55.00	330.00
	Reimb. Expenses				
7/10/2021		Dining (Richard Field)		26.00	26.00
7/10/2021		Dining (Erik Pannkuk)		20.00	20.00
7/10/2021		Motel 07/09/2021 (Erik Pannkuk)		69.18	69.18
7/10/2021		Mileage (Erik Pannkuk)		52.92	52.92
		Total Reimbursable Expenses			168.10

**Terms: Net 30**

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**Subtotal**                                      \$1,183.10  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$1,183.10



# Invoice

**Date**                      **Invoice #**  
 7/31/2021                      150062

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 Big Hill VATI Area

**Work Code:** P22.0 - As-Built Records/Mapping

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
7/13/2021	Ben Hail	As-Built Records Big Hill	2.5	60.00	150.00
7/15/2021	Ben Hail	As-Built Records Big Hill	1	60.00	60.00
7/16/2021	Ben Hail	As-Built Records Big Hill	3	60.00	180.00
7/20/2021	Ben Hail	As-Built Records Big Hill	2	60.00	120.00
7/21/2021	Ben Hail	As-Built Records Big Hill	1	60.00	60.00
7/22/2021	Ben Hail	As-Built Records Big Hill	2	60.00	120.00

**Terms: Net 30**

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**Subtotal**                                      \$690.00  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$690.00



# Invoice

**Date**                      **Invoice #**  
 7/31/2021                      150063

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 Cares Act

**Work Code:** P22.0 - As-Built Records/Mapping

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
7/8/2021	Jay Emery	As Built Records Rural Valley Rd	1	65.00	65.00
7/8/2021	Jay Emery	As Built Records Bordon Grant Trail	1	65.00	65.00
7/8/2021	Jay Emery	As Built Records Boundary Lane	1	65.00	65.00
7/8/2021	Jay Emery	As Built Records Li Hi Acres	1	65.00	65.00
7/8/2021	Jay Emery	As-Built Records Brownsburg Turnpike	1	65.00	65.00
7/8/2021	Jay Emery	As-Built Records Rt 42	1	65.00	65.00
7/8/2021	Jay Emery	As-Built Records Steeles Fort	1	65.00	65.00
7/8/2021	Jay Emery	As-Built Records Walker's Creek	1	65.00	65.00
7/15/2021	Kyle Moe (CAD)	As-Built Mapping - CARES Act	5.5	65.00	357.50
7/16/2021	Kyle Moe (CAD)	As-Built Mapping - CARES Act	4	65.00	260.00

**Terms: Net 30**

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**Subtotal**                                      \$1,137.50  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$1,137.50



# Invoice

Date: 7/31/2021  
 Invoice #: 150064

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A  
**Project:** [OSP] 20 Effinger-Glasgow VATI Area  
**Work Code:** P14.0 - OSP Inspection Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/25/2021	Richard Field	Glasgow(WO84000) Bore and drop inspections and redlines	7	60.00	420.00
7/6/2021	Richard Field	Glasgow(WO84000) Bore and drop inspections and redlines	10	60.00	600.00
7/8/2021	Richard Field	Glasgow(WO84000) Bore and drop inspections and redlines	12	60.00	720.00
7/9/2021	Richard Field	Glasgow(WO84000) Bore and drop inspections and redlines	3	60.00	180.00
7/9/2021	Richard Field	Glasgow(WO84000) Bore and drop inspections and redlines	2.5	60.00	150.00
7/12/2021	Richard Field	Glasgow (WO84000) Bore and drop inspections and redlines	12	60.00	720.00
7/15/2021	Richard Field	Glasgow (WO84000) Bore and drop inspections and redlines	10	60.00	600.00
7/18/2021	Richard Field	Glasgow(WO84000) Bore and drop inspections and redlines	5	60.00	300.00
	Reimb. Expenses				
6/26/2021		Dining (Richard Field)		6.00	6.00
6/26/2021		Mileage (Richard Field)		18.48	18.48
7/10/2021		Dining (Richard Field)		67.00	67.00
7/10/2021		Motel 07/08/2021 - 07/09/2021 (Richard Field)		138.36	138.36
7/10/2021		Mileage (Richard Field)		190.40	190.40
7/17/2021		Dining (Richard Field)		46.00	46.00
7/17/2021		Motel 07/12/2021, 07/15/2021 - 07/16/2021 (Richard Field)		207.54	207.54
7/17/2021		Mileage (Richard Field)		147.84	147.84
7/24/2021		Dining (Richard Field)		17.00	17.00
7/24/2021		Dining (Richard Field)		9.00	9.00
7/24/2021		Mileage (Richard Field)		45.40	45.40
		Total Reimbursable Expenses			893.02

**Terms: Net 30**

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Please direct any billing questions to Stephanie Nemec at (605) 995-1791 or send e-mail to [BillingTeam@vantagepnt.com](mailto:BillingTeam@vantagepnt.com).

**Subtotal** \$4,583.02  
**Sales Tax (0.0%)** \$0.00  
**Balance Due** \$4,583.02



# Invoice

Date: 7/31/2021  
 Invoice #: 150065

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 Effinger-Glasgow VATI Area

**Work Code:** P22.0 - As-Built Records/Mapping

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/21/2021	Jay Emery	As-Built Records Glasgow	1	65.00	65.00
6/21/2021	Ben Hail	As-Built Records Glasgow	8	60.00	480.00
6/22/2021	Ben Hail	As-Built Records Glasgow	8	60.00	480.00
6/23/2021	Jay Emery	As-Built Records Glasgow	1	65.00	65.00
6/23/2021	Ben Hail	As-Built Records Glasgow	10	60.00	600.00
6/24/2021	Jay Emery	As-Built Records Glasgow	1	65.00	65.00
6/24/2021	Ben Hail	As-Built Records Glasgow	10	60.00	600.00
6/25/2021	Jay Emery	As-Built Records Glasgow	1	65.00	65.00
6/25/2021	Ben Hail	As-Built Records Glasgow	4	60.00	240.00
6/25/2021	Ben Hail	As-Built Records Glasgow	5	60.00	300.00
6/26/2021	Ben Hail	As-Built Records Glasgow	5	60.00	300.00
6/28/2021	Ben Hail	As-Built Records Glasgow	9	60.00	540.00
6/29/2021	Ben Hail	As-Built Records Glasgow	8	60.00	480.00
6/30/2021	Ben Hail	As-Built Records Glasgow	9	60.00	540.00
7/1/2021	Ben Hail	As-Built Records Glasgow	9	60.00	540.00
7/2/2021	Ben Hail	As-Built Records Glasgow	5	60.00	300.00
7/2/2021	Ben Hail	As-Built Records Glasgow	4	60.00	240.00
7/6/2021	Kyle Moe (CAD)	As-Built Mapping - Glasgow	3	65.00	195.00
7/6/2021	Ben Hail	As-Built Records Glasgow	8	60.00	480.00
7/7/2021	Ben Hail	As-Built Records Glasgow	8	60.00	480.00
7/8/2021	Ben Hail	As-Built Records Glasgow	8	60.00	480.00
7/9/2021	Ben Hail	As-Built Records Glasgow	8.5	60.00	510.00
7/12/2021	Jay Emery	As-Built Records Glasgow	2	65.00	130.00
7/13/2021	Jay Emery	As-Built Records Glasgow	7	65.00	455.00
7/14/2021	Jay Emery	As-Built Records Glasgow	5	65.00	325.00
7/14/2021	Ben Hail	As-Built Records Glasgow	8	60.00	480.00
7/15/2021	Jay Emery	As-Built Records Glasgow	7	65.00	455.00
7/15/2021	Ben Hail	As-Built Records Glasgow	8.5	60.00	510.00
7/16/2021	Jay Emery	As-Built Records Glasgow	1	65.00	65.00
7/16/2021	Ben Hail	As-Built Records Glasgow	3	60.00	180.00
7/19/2021	Jay Emery	As-Built Records Glasgow	2	65.00	130.00

**Terms:** Net 30

**Subtotal**

**Sales Tax (0.0%)**

**Balance Due**



# Invoice

**Date**                      **Invoice #**  
 7/31/2021                      150065

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 Effinger-Glasgow VATI Area

**Work Code:** P22.0 - As-Built Records/Mapping

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
7/19/2021	Ben Hail	As-Built Records Glasgow	6	60.00	360.00
7/20/2021	Jay Emery	As-Built Records Glasgow	6	65.00	390.00
7/20/2021	Ben Hail	As-Built Records Glasgow	2.5	60.00	150.00
7/21/2021	Jay Emery	As-Built Records Glasgow	4	65.00	260.00
7/21/2021	Ben Hail	As-Built Records Glasgow	6.5	60.00	390.00
7/22/2021	Jay Emery	As-Built Records Glasgow	1	65.00	65.00
7/22/2021	Kyle Moe (CAD)	As-Built Mapping - Glasgow	9	65.00	585.00
7/22/2021	Ben Hail	As-Built Records Glasgow	4.5	60.00	270.00
7/23/2021	Kyle Moe (CAD)	As-Built Mapping - Glasgow	3	65.00	195.00
7/23/2021	Kyle Moe (CAD)	As-Built Mapping - Glasgow	4	65.00	260.00

**Terms: Net 30**

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**Subtotal**                                      \$13,700.00  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$13,700.00



# Invoice

**Date**                      **Invoice #**  
 7/31/2021                      150066

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 Goshen OSP Engineering

**Work Code:** P1.0 - Project Management

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/23/2021	Quentin Flippin	Goshen Weekly Call and Permit Coordination	1.5	155.00	232.50
6/23/2021	Charleen Long	Reporting / Task Management	0.5	60.00	30.00
6/24/2021	Quentin Flippin	Goshen Weekly Call and Permit Coordination	1	155.00	155.00
6/25/2021	Todd Sapp	Project Management / Coordination	1	120.00	120.00
6/28/2021	Cole Donahue	Goshen Update Call and design modifications	1	120.00	120.00
6/29/2021	Charleen Long	Bi-Weekly Construction Reporting	0.5	60.00	30.00
6/30/2021	Cole Donahue	Goshen Update Call and design modifications	0.5	120.00	60.00
7/1/2021	Todd Sapp	Project Management / Coordination	1	120.00	120.00
7/7/2021	Cole Donahue	Goshen Update Call and design modifications	0.5	120.00	60.00
7/12/2021	Charleen Long	Bi-Weekly Construction Reporting	0.5	60.00	30.00
7/14/2021	Quentin Flippin	Weekly Call with Contractor and Followup	1	155.00	155.00

**Terms: Net 30**

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**Subtotal**                                      \$1,112.50  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$1,112.50



# Invoice

Date: 7/31/2021  
 Invoice #: 150067

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 Goshen OSP Engineering

**Work Code:** P14.0 - OSP Inspection Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/20/2021	John Howe	70002,inspect boring crew	5	60.00	300.00
6/21/2021	John Howe	70002,inspect boring crew	6	60.00	360.00
6/22/2021	John Howe	70002,inspect boring crew	5	60.00	300.00
6/23/2021	Jason Wagner	Goshen Project	1	80.00	80.00
6/23/2021	John Howe	70002,inspect boring crew	4	60.00	240.00
6/23/2021	Ann Carpenter	Executed Sub-Contractor Forms (Goshen)	0.5	65.00	32.50
6/23/2021	Ann Carpenter	Invoicing (Goshen)	1	65.00	65.00
6/24/2021	John Howe	70002,inspect boring crew	10	60.00	600.00
6/28/2021	John Howe	70002,inspect boring crew	5	60.00	300.00
6/29/2021	John Howe	70002,inspect boring crew	9	60.00	540.00
6/30/2021	Jason Wagner	Goshen Project	1	80.00	80.00
6/30/2021	John Howe	70002,inspect boring crew	12	60.00	720.00
7/1/2021	John Howe	70002,inspect boring crew	11	60.00	660.00
7/1/2021	John Howe	70002,inspect boring crew	1	60.00	60.00
7/2/2021	Jason Wagner	Goshen Project	1	80.00	80.00
7/2/2021	John Howe	70002,inspect boring crew	10	60.00	600.00
7/3/2021	John Howe	70002,inspect boring crew	3	60.00	180.00
7/5/2021	John Howe	70002,inspect boring crew	4.5	60.00	270.00
7/6/2021	John Howe	70002,inspect boring crew	12	60.00	720.00
7/7/2021	John Howe	70002,inspect boring crew	12	60.00	720.00
7/7/2021	Jason Wagner	Goshen Project	1	80.00	80.00
7/8/2021	John Howe	70002,inspect boring crew	10	60.00	600.00
7/8/2021	John Howe	70002,inspect boring crew	2	60.00	120.00
7/9/2021	John Howe	70002,inspect boring crew	6	60.00	360.00
7/12/2021	John Howe	70002, inspect boring crew	11	60.00	660.00
7/14/2021	Jason Wagner	Goshen Project	1	80.00	80.00
7/14/2021	John Howe	70002, inspect boring crew	4	60.00	240.00
7/15/2021	John Howe	70002, inspect boring crew	4	60.00	240.00
7/16/2021	John Howe	70002, inspect boring crew	2	60.00	120.00
7/18/2021	Jason Wagner	Goshen Project PreSplicing Meeting	6	80.00	480.00
7/19/2021	Jason Wagner	Goshen Project PreSplicing Meeting	11	80.00	880.00

**Terms: Net 30**

**Subtotal**

**Sales Tax (0.0%)**

**Balance Due**





# Invoice

**Date**                      **Invoice #**  
 7/31/2021                      150067

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A  
**Project:** [OSP] 20 Goshen OSP Engineering  
**Work Code:** P14.0 - OSP Inspection Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
7/19/2021	John Howe	70002, inspect boring crew	12	60.00	720.00
7/20/2021	John Howe	70002, inspect boring crew	11.5	60.00	690.00
7/20/2021	Ann Carpenter	Invoicing (Goshen)	0.5	65.00	32.50
7/21/2021	John Howe	70002, inspect boring crew	10	60.00	600.00
7/21/2021	John Howe	70002, inspect boring crew	2	60.00	120.00
7/22/2021	John Howe	70002, inspect boring crew	11.5	60.00	690.00
	Reimb. Expenses				
6/26/2021		Dining (John Howe)		76.00	76.00
6/26/2021		Motel 06/19/2021 - 06/25/2021 (John Howe)		484.26	484.26
6/26/2021		Mileage (John Howe)		180.88	180.88
7/3/2021		Dining (John Howe)		154.00	154.00
7/3/2021		Motel 06/26/2021 - 07/02/2021 (John Howe)		484.26	484.26
7/3/2021		Mileage (John Howe)		264.32	264.32
7/10/2021		Dining (John Howe)		128.00	128.00
7/10/2021		Motel 07/03/2021 - 07/09/2021 (John Howe)		484.26	484.26
7/10/2021		Mileage (John Howe)		322.56	322.56
7/17/2021		Dining (John Howe)		44.00	44.00
7/17/2021		Mileage (John Howe)		110.88	110.88
7/24/2021		Mileage (Jason Wagner)		497.84	497.84
7/24/2021		Motel 07/18/2021 (Jason Wagner)		106.15	106.15
7/24/2021		Dining (Jason Wagner)		49.00	49.00
7/24/2021		Dining (John Howe)		119.50	119.50
7/24/2021		Mileage (John Howe)		284.48	284.48
		Total Reimbursable Expenses			3,790.39

**Terms: Net 30**

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*Please direct any billing questions to Stephanie Nemec at (605) 995-1791 or send e-mail to BillingTeam@vantagepnt.com.*

**Subtotal**                                      \$17,410.39  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$17,410.39



# Invoice

**Date**                      **Invoice #**  
 7/31/2021                      150068

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 Goshen OSP Engineering

**Work Code:** P22.0 - As-Built Records/Mapping

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
7/1/2021	Chris Dvorak	Goshen As-Built Records	7.5	60.00	450.00
7/7/2021	Jay Emery	As-Built Records Goshen	1	65.00	65.00
7/7/2021	Chris Dvorak	Goshen As-Built Records	0.5	60.00	30.00
7/12/2021	Jay Emery	As-Built Records Goshen	1	65.00	65.00
7/15/2021	Jay Emery	As-Built Records Goshen	1	65.00	65.00
7/20/2021	Jay Emery	As-Built Records Goshen	2	65.00	130.00
7/20/2021	Chris Dvorak	Goshen As-Built Records	1.5	60.00	90.00

**Terms: Net 30**

*Our team at Vantage Point appreciates your business!*

*Please direct any billing questions to Stephanie Nemec at (605) 995-1791 or send e-mail to [BillingTeam@vantagepnt.com](mailto:BillingTeam@vantagepnt.com).*

**Subtotal**                                      \$895.00  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$895.00



# Invoice

**Date**                      **Invoice #**  
 7/31/2021                      150069

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 Goshen OSP Engineering

**Work Code:** P3.0 - ROW Permitting / City Coordination

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/21/2021	Neil Putnam	ROW Monitoring & Reporting	1	65.00	65.00
6/22/2021	Neil Putnam	ROW Monitoring & Reporting	1	65.00	65.00
6/23/2021	Amy Moore	Goshen: Prepare/Submit ROW Applications for Client Signature	4.5	60.00	270.00
6/23/2021	Neil Putnam	ROW Monitoring & Reporting	1	65.00	65.00
6/24/2021	Amy Moore	Goshen: Prepare/Submit ROW Applications for Client Signature	6	60.00	360.00
6/24/2021	Amy Moore	Goshen: Prepare/Submit ROW Applications to Permitting Jurisdictions	0.5	60.00	30.00
6/25/2021	Amy Moore	Goshen: Prepare/Submit ROW Applications for Client Signature	5	60.00	300.00
6/25/2021	Amy Moore	Goshen: Prepare/Submit ROW Applications for Client Signature	0.5	60.00	30.00
6/25/2021	Amy Moore	Goshen: Prepare/Submit ROW Applications to Permitting Jurisdictions	1	60.00	60.00
6/25/2021	Neil Putnam	ROW Monitoring & Reporting	0.5	65.00	32.50
6/28/2021	Amy Moore	Goshen: Prepare/Submit ROW Applications for Client Signature	1	60.00	60.00
6/28/2021	Amy Moore	Goshen: Prepare/Submit ROW Applications to Permitting Jurisdictions	3.5	60.00	210.00
6/29/2021	Amy Moore	Goshen: Prepare/Submit ROW Applications to Permitting Jurisdictions	2.5	60.00	150.00
6/29/2021	Julie Wilson	Develop ROW Layouts & Profiles	0.5	60.00	30.00
6/30/2021	Amy Moore	Goshen: Prepare/Submit ROW Applications for Client Signature	2	60.00	120.00
7/1/2021	Amy Moore	Goshen: Prepare/Submit ROW Applications to Permitting Jurisdictions	0.5	60.00	30.00
7/6/2021	Amy Moore	Goshen: Prepare/Submit ROW Applications to Permitting Jurisdictions	6.5	60.00	390.00
7/7/2021	Amy Moore	Goshen: Prepare/Submit ROW Applications to Permitting Jurisdictions	0.5	60.00	30.00

**Terms: Net 30**

**Subtotal**

**Sales Tax (0.0%)**

**Balance Due**



# Invoice

**Date**                      **Invoice #**  
 7/31/2021                      150069

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 Goshen OSP Engineering

**Work Code:** P3.0 - ROW Permitting / City Coordination

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
7/7/2021	Neil Putnam	ROW Monitoring	0.5	65.00	32.50
7/8/2021	Amy Moore	Goshen: Prepare/Submit ROW Applications to Permitting Jurisdictions	2	60.00	120.00
7/12/2021	Neil Putnam	ROW Monitoring	0.5	65.00	32.50
7/13/2021	Amy Moore	Goshen: ROW Status Monitoring and Reporting	1.5	60.00	90.00
7/14/2021	Amy Moore	Goshen: ROW Status Monitoring and Reporting	0.5	60.00	30.00
7/19/2021	Amy Moore	Goshen: Prepare/Submit ROW Applications to Permitting Jurisdictions	1	60.00	60.00
	Reimb. Expenses				
6/24/2021		ROE Permit Application Fee (Buckingham Branch Railroad)		600.00	600.00
7/3/2021		Shipping Costs (Amy Moore)		1.40	1.40
		Total Reimbursable Expenses			601.40

**Terms: Net 30**

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**Subtotal**                                      \$3,263.90  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$3,263.90



# Invoice

<b>Date</b>	<b>Invoice #</b>
7/31/2021	150070

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 S River-Vesuvius VATI Area

**Work Code:** P1.0 - Project Management

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/21/2021	Cole Donahue	Cornwall East Project Management	0.5	120.00	60.00
6/25/2021	Cole Donahue	Cornwall East Project Management	1	120.00	120.00
6/28/2021	Cole Donahue	Cornwall East Project Management	1	120.00	120.00
7/6/2021	Cole Donahue	Cornwall East Project Management	0.5	120.00	60.00
7/12/2021	Cole Donahue	Cornwall East Project Management	0.5	120.00	60.00

**Terms: Net 30**

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<b>Subtotal</b>	\$420.00
<b>Sales Tax (0.0%)</b>	\$0.00
<b>Balance Due</b>	\$420.00



# Invoice

Date: 7/31/2021 Invoice #: 150071

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 S River-Vesuvius VATI Area

**Work Code:** P14.0 - OSP Inspection Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/20/2021	Erik Pannkuk	Inspection Cornwall East 84002	10	55.00	550.00
6/24/2021	Earl Osborne	Cornwall East 84002	8	65.00	520.00
6/24/2021	Erik Pannkuk	Inspection Cornwall East 84002	12	55.00	660.00
6/25/2021	Erik Pannkuk	Inspection Cornwall East 84002	8	55.00	440.00
6/28/2021	Erik Pannkuk	Inspection Cornwall East 84002	13	55.00	715.00
6/29/2021	Earl Osborne	Cornwall East 84002	14	65.00	910.00
6/30/2021	Earl Osborne	Cornwall East 84002	2	65.00	130.00
6/30/2021	Earl Osborne	Cornwall East 84002	10	65.00	650.00
7/1/2021	Erik Pannkuk	Inspection Cornwall East 84002	13	55.00	715.00
7/5/2021	Earl Osborne	Cornwall East 84002	5	65.00	325.00
7/6/2021	Earl Osborne	Cornwall East 84002	13	65.00	845.00
7/7/2021	Erik Pannkuk	Inspection Cornwall East 84002	13	55.00	715.00
7/8/2021	Earl Osborne	Cornwall East 84002	10	65.00	650.00
7/8/2021	Earl Osborne	Cornwall East 84002	2	65.00	130.00
7/9/2021	Earl Osborne	Cornwall East 84002	12	65.00	780.00
7/9/2021	Erik Pannkuk	Inspection Cornwall East 84002	4	55.00	220.00
7/9/2021	Erik Pannkuk	Inspection Cornwall East 84002	2	55.00	110.00
7/13/2021	Earl Osborne	Cornwall East 84002	4	65.00	260.00
7/14/2021	Earl Osborne	Cornwall East 84002	6	65.00	390.00
7/14/2021	Earl Osborne	Cornwall East 84002	6	65.00	390.00
7/14/2021	Erik Pannkuk	Inspection Cornwall East 84002	5	55.00	275.00
7/14/2021	Erik Pannkuk	Inspection Cornwall East 84002	7	55.00	385.00
7/19/2021	Erik Pannkuk	Inspection Cornwall East 84002	10	55.00	550.00
7/20/2021	Earl Osborne	Cornwall (EAST) VATI 84002	14	65.00	910.00
7/22/2021	Erik Pannkuk	Inspection Cornwall East 84002	5	55.00	275.00
7/22/2021	Erik Pannkuk	Inspection Cornwall East 84002	7	55.00	385.00
	Reimb. Expenses				
6/26/2021		Mileage (Earl Osborne)		46.48	46.48
6/26/2021		Dining (Earl Osborne)		113.00	113.00
6/26/2021		Mileage (Erik Pannkuk)		112.00	112.00
7/3/2021		Dining (Erik Pannkuk)		73.00	73.00

**Terms:** Net 30

**Subtotal**

**Sales Tax (0.0%)**

**Balance Due**



# Invoice

**Date**                      **Invoice #**  
 7/31/2021                      150071

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 S River-Vesuvius VATI Area

**Work Code:** P14.0 - OSP Inspection Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
7/3/2021		Motel 06/19/2021 - 06/20/2021, 06/24/2021 - 06/25/2021 (Erik Pannkuk)		276.72	276.72
7/3/2021		Dining (Earl Osborne)		64.00	64.00
7/3/2021		Mileage (Earl Osborne)		99.87	99.87
7/3/2021		Mileage (Erik Pannkuk)		215.88	215.88
7/6/2021		Motel 06/28/2021, 07/01/2021 - 07/02/2021 (Erik Pannkuk)		207.54	207.54
7/10/2021		Motel 07/03/2021 - 07/05/2021, 07/07/2021 (Erik Pannkuk)		276.72	276.72
7/10/2021		Mileage (Erik Pannkuk)		175.00	175.00
7/17/2021		Dining (Erik Pannkuk)		68.50	68.50
7/17/2021		Motel 07/14/2021 (Erik Pannkuk)		69.18	69.18
7/17/2021		Mileage (Erik Pannkuk)		141.12	141.12
7/17/2021		Mileage (Earl Osborne)		52.28	52.28
7/24/2021		Motel 07/18/2021 - 07/19/2021, 07/22/2021 (Erik Pannkuk)		207.54	207.54
		<b>Total Reimbursable Expenses</b>			<b>2,198.83</b>

**Terms: Net 30**

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*Please direct any billing questions to Stephanie Nemec at (605) 995-1791 or send e-mail to [BillingTeam@vantagepnt.com](mailto:BillingTeam@vantagepnt.com).*

**Subtotal**                                      \$15,083.83  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$15,083.83



# Invoice

Date: 7/31/2021  
 Invoice #: 150072

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 S River-Vesuvius VATI Area

**Work Code:** P22.0 - As-Built Records/Mapping

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/21/2021	Jay Emery	As-Built Records Cornwall East	1	65.00	65.00
7/7/2021	Jay Emery	As-Built Records Cornwall East	1	65.00	65.00
7/12/2021	Jay Emery	As-Built Records Cornwall East	1	65.00	65.00
7/13/2021	Ben Hail	As Built Records Cornwall-East	5.5	60.00	330.00
7/15/2021	Ben Hail	As Built Records Cornwall-East	1.5	60.00	90.00
7/16/2021	Kyle Moe (CAD)	As-Built Mapping - Cornwall	3	65.00	195.00
7/16/2021	Kyle Moe (CAD)	As-Built Mapping - Cornwall	1	65.00	65.00
7/16/2021	Ben Hail	As Built Records Cornwall-East	2.5	60.00	150.00
7/17/2021	Kyle Moe (CAD)	As-Built Mapping - Cornwall	8	65.00	520.00
7/19/2021	Kyle Moe (CAD)	As-Built Mapping - Cornwall	8.5	65.00	552.50
7/19/2021	Ben Hail	As Built Records Cornwall-East	2	60.00	120.00
7/20/2021	Kyle Moe (CAD)	As-Built Mapping - Cornwall	9.5	65.00	617.50
7/20/2021	Ben Hail	As Built Records Cornwall-East	3.5	60.00	210.00
7/21/2021	Kyle Moe (CAD)	As-Built Mapping - Cornwall	8	65.00	520.00
7/21/2021	Ben Hail	As Built Records Cornwall-East	2.5	60.00	150.00
7/22/2021	Jay Emery	As-Built Records Cornwall East	1	65.00	65.00
7/22/2021	Ben Hail	As Built Records Cornwall-East	3	60.00	180.00

**Terms: Net 30**

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*Please direct any billing questions to Stephanie Nemec at (605) 995-1791 or send e-mail to BillingTeam@vantagepnt.com.*

**Subtotal** \$3,960.00  
**Sales Tax (0.0%)** \$0.00  
**Balance Due** \$3,960.00





# Invoice

Date: 7/31/2021  
 Invoice #: 150073

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A  
**Project:** [OSP] 20 S River-Vesuvius VATI Area  
**Work Code:** P3.0 - ROW Permitting / City Coordination

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/22/2021	Amy Moore	Cornwall East: Prepare/Submit ROW Applications for Client Signature	2	60.00	120.00
6/23/2021	Amy Moore	Cornwall East: Prepare/Submit ROW Applications for Client Signature	1	60.00	60.00
6/28/2021	Amy Moore	Cornwall East/Nature Camp/Red Hill Road: Prepare/Submit ROW Applications for Client Signature	1.5	60.00	90.00
6/29/2021	Amy Moore	Cornwall East/Nature Camp/Red Hill Road: Prepare/Submit ROW Applications for Client Signature	2	60.00	120.00
6/29/2021	Amy Moore	Cornwall East/Nature Camp/Red Hill Road: ROW Status Monitoring and Reporting	1	60.00	60.00
6/30/2021	Amy Moore	Cornwall East/Nature Camp/Red Hill Road: Prepare/Submit ROW Applications for Client Signature	2.5	60.00	150.00
7/1/2021	Amy Moore	Cornwall East/Nature Camp/Red Hill Road: Prepare/Submit ROW Applications for Client Signature	2	60.00	120.00
7/2/2021	Amy Moore	Cornwall East/Nature Camp/ Red Hill Road: Prepare/Submit ROW Applications to Permitting Jurisdictions	1.5	60.00	90.00
7/2/2021	Amy Moore	Cornwall East/Nature Camp/ Red Hill Road: Prepare/Submit ROW Applications to Permitting Jurisdictions	4	60.00	240.00
7/7/2021	Amy Moore	Cornwall East/Nature Camp/Red Hill Road: Prepare/Submit ROW Applications to Permitting Jurisdictions	5	60.00	300.00
7/8/2021	Amy Moore	Cornwall East/Nature Camp/Red Hill Road: Prepare/Submit ROW Applications to Permitting Jurisdictions	1	60.00	60.00

**Terms: Net 30**

**Subtotal**  
**Sales Tax (0.0%)**  
**Balance Due**



# Invoice

**Date**                      **Invoice #**  
 7/31/2021                      150073

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 S River-Vesuvius VATI Area

**Work Code:** P3.0 - ROW Permitting / City Coordination

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
7/12/2021	Amy Moore	Cornwall East/Nature Camp/Red Hill Road: ROW Status Monitoring and Reporting	1	60.00	60.00
7/23/2021	Amy Moore	Cornwall East/Nature Camp/Red Hill Road: ROW Status Monitoring and Reporting	0.5	60.00	30.00
	Reimb. Expenses				
7/8/2021		RR Permit #6630		1,500.00	1,500.00
7/8/2021		RR Permit #6621		1,500.00	1,500.00
7/8/2021		RR Permit #6635		1,500.00	1,500.00
7/8/2021		RR Permit #6633		1,500.00	1,500.00
		Total Reimbursable Expenses			6,000.00

**Terms: Net 30**

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**Subtotal**                                      \$7,500.00  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$7,500.00



# Invoice

Date: 7/31/2021  
 Invoice #: 150074

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 South Buffalo VATI Area

**Work Code:** P14.0 - OSP Inspection Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/20/2021	Richard Field	South Buffalo (84003) Bore/drop inspections and redlines	10.5	60.00	630.00
6/21/2021	Richard Field	South Buffalo (84003) Bore/drop inspections and redlines	12	60.00	720.00
6/21/2021	Erik Pannkuk	Inspection South Buffalo 84003	13	55.00	715.00
6/23/2021	Richard Field	South Buffalo (84003) Bore/drop inspections and redlines	5	60.00	300.00
6/23/2021	Richard Field	South Buffalo (84003) Bore/drop inspections and redlines	8	60.00	480.00
6/24/2021	Richard Field	South Buffalo (84003) Bore/drop inspections and redlines	12	60.00	720.00
6/25/2021	Richard Field	South Buffalo (84003) Bore/drop inspections and redlines	3	60.00	180.00
6/27/2021	Erik Pannkuk	Inspection South Buffalo 84003	8	55.00	440.00
7/6/2021	Erik Pannkuk	Inspection South Buffalo 84003	10	55.00	550.00
7/6/2021	Richard Field	South Buffalo (84003) Bore/drop inspections and redlines	3	60.00	180.00
7/7/2021	Richard Field	South Buffalo (84003) Bore/drop inspections and redlines	12	60.00	720.00
7/11/2021	Earl Osborne	Put splicing in Ipad 84003	10	65.00	650.00
7/13/2021	Richard Field	South Buffalo (84003) Bore/drop inspections and redlines	12	60.00	720.00
7/14/2021	Richard Field	South Buffalo (84003) Bore/drop inspections and redlines	4.5	60.00	270.00
7/14/2021	Richard Field	South Buffalo (84003) Bore/drop inspections and redlines	8	60.00	480.00
7/18/2021	Richard Field	South Buffalo (84003) Bore/drop inspections and redlines	2	60.00	120.00
7/19/2021	Richard Field	South Buffalo (84003) Bore/drop inspections and redlines	11	60.00	660.00

**Terms: Net 30**

**Subtotal**

**Sales Tax (0.0%)**

**Balance Due**



# Invoice

**Date**                      **Invoice #**  
 7/31/2021                      150074

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A  
**Project:** [OSP] 20 South Buffalo VATI Area  
**Work Code:** P14.0 - OSP Inspection Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
7/21/2021	Richard Field	South Buffalo (84003) Bore/drop inspections and redlines	8	60.00	480.00
7/21/2021	Richard Field	South Buffalo (84003) Bore/drop inspections and redlines	4	60.00	240.00
7/22/2021	Richard Field	South Buffalo (84003) Bore/drop inspections and redlines	11.5	60.00	690.00
	Reimb. Expenses				
6/26/2021		Dining (Richard Field)		154.00	154.00
6/26/2021		Dining (Erik Pannkuk)		42.00	42.00
6/26/2021		Motel 06/19/2021 - 06/21/2021, 06/23/2021 - 06/24/2021 (Richard Field)		345.90	345.90
6/26/2021		Mileage (Richard Field)		306.88	306.88
6/26/2021		Mileage (Erik Pannkuk)		60.48	60.48
7/3/2021		Dining (Erik Pannkuk)		17.00	17.00
7/3/2021		Motel 06/21/2021 (Erik Pannkuk)		69.18	69.18
7/6/2021		Motel 06/26/2021 - 06/27/2021 (Erik Pannkuk)		138.36	138.36
7/10/2021		Dining (Richard Field)		32.00	32.00
7/10/2021		Motel 07/06/2021 - 07/07/2021 (Richard Field)		138.36	138.36
7/10/2021		Dining (Erik Pannkuk)		19.00	19.00
7/10/2021		Motel 07/06/2021 (Erik Pannkuk)		69.18	69.18
7/10/2021		Mileage (Richard Field)		174.72	174.72
7/10/2021		Mileage (Erik Pannkuk)		38.36	38.36
7/17/2021		Dining (Earl Osborne)		36.50	36.50
7/17/2021		Dining (Richard Field)		73.00	73.00
7/17/2021		Motel 07/13/2021 - 07/14/2021 (Richard Field)		138.36	138.36
7/17/2021		Mileage (Richard Field)		232.96	232.96
7/17/2021		Mileage (Earl Osborne)		52.26	52.26
7/24/2021		Dining (Richard Field)		96.00	96.00
7/24/2021		Motel 07/18/2021 - 07/19/2021, 07/21/2021 - 07/22/2021 (Richard Field)		276.72	276.72
7/24/2021		Mileage (Richard Field)		258.16	258.16

**Terms: Net 30**

**Subtotal**

**Sales Tax (0.0%)**

**Balance Due**



# Invoice

<b>Date</b>	<b>Invoice #</b>
7/31/2021	150074

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A  
**Project:** [OSP] 20 South Buffalo VATI Area  
**Work Code:** P14.0 - OSP Inspection Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
		Total Reimbursable Expenses			2,769.38

**Terms: Net 30**

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*Please direct any billing questions to Stephanie Nemec at (605) 995-1791 or send e-mail to [BillingTeam@vantagepnt.com](mailto:BillingTeam@vantagepnt.com).*

<b>Subtotal</b>	\$12,714.38
<b>Sales Tax (0.0%)</b>	\$0.00
<b>Balance Due</b>	\$12,714.38



# Invoice

Date: 7/31/2021  
 Invoice #: 150075

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 South Buffalo VATI Area

**Work Code:** P22.0 - As-Built Records/Mapping

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/21/2021	Jay Emery	As-Built Records South Buffalo	1	65.00	65.00
6/25/2021	Chad Bartscher	South Buffalo (84003) - As Built Records	3	65.00	195.00
6/28/2021	Chad Bartscher	South Buffalo (84003) - As Built Records	8	65.00	520.00
6/29/2021	Chad Bartscher	South Buffalo (84003) - As Built Records	8	65.00	520.00
6/30/2021	Chad Bartscher	South Buffalo (84003) - As Built Records	8	65.00	520.00
7/1/2021	Chad Bartscher	South Buffalo (84003) - As Built Records	8	65.00	520.00
7/2/2021	Chad Bartscher	South Buffalo (84003) - As Built Records	8	65.00	520.00
7/6/2021	Chad Bartscher	South Buffalo (84003) - As Built Records	8	65.00	520.00
7/7/2021	Chad Bartscher	South Buffalo (84003) - As Built Records	8	65.00	520.00
7/8/2021	Chad Bartscher	South Buffalo (84003) - As Built Records	8	65.00	520.00
7/9/2021	Jay Emery	As-Built Records South Buffalo	1	65.00	65.00
7/9/2021	Chad Bartscher	South Buffalo (84003) - As Built Records	5	65.00	325.00
7/12/2021	Jay Emery	As-Built Records South Buffalo	1	65.00	65.00
7/15/2021	Chad Bartscher	South Buffalo (84003) - As Built Records	2	65.00	130.00
7/16/2021	Jay Emery	As-Built Records South Buffalo	1	65.00	65.00
7/16/2021	Chad Bartscher	South Buffalo (84003) - As Built Records	4	65.00	260.00

**Terms: Net 30**

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**Subtotal** \$5,330.00  
**Sales Tax (0.0%)** \$0.00  
**Balance Due** \$5,330.00



# Invoice

<b>Date</b>	<b>Invoice #</b>
7/31/2021	150076

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [OSP] 20 South Buffalo VATI Area

**Work Code:** P3.0 - ROW Permitting / City Coordination

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/23/2021	Ben Hieb	Develop ROW Route Layout and Profiles	1	60.00	60.00
6/24/2021	Ben Hieb	Develop ROW Route Layout and Profiles	7	60.00	420.00
6/29/2021	Ben Hieb	Develop ROW Route Layout and Profiles	9	60.00	540.00
6/30/2021	Ben Hieb	Develop ROW Route Layout and Profiles	9	60.00	540.00
7/1/2021	Ben Hieb	Develop ROW Route Layout and Profiles	2	60.00	120.00

**Terms: Net 30**

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<b>Subtotal</b>	\$1,680.00
<b>Sales Tax (0.0%)</b>	\$0.00
<b>Balance Due</b>	\$1,680.00



# Invoice

**Date**                      **Invoice #**  
 7/31/2021                      150081

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A  
**Project:** [OSP] 22 OSP Projects  
**Work Code:** P1.0 - Project Management

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/21/2021	Earl Osborne	Ride Out Hot Springs 84337	12	65.00	780.00
6/23/2021	Earl Osborne	Ride Out Falling Springs 84339	12	65.00	780.00
6/24/2021	Brandi Ford	Reporting/Task Management/Meeting	0.5	60.00	30.00
7/1/2021	Earl Osborne	Ride Out Hot Springs-Warm Springs -Falling Springs	15	65.00	975.00
7/1/2021	Brandi Ford	Reporting/Task Management/Meeting	1	60.00	60.00
7/1/2021	Charleen Long	Reporting / Task Management	0.5	60.00	30.00
7/7/2021	Brandi Ford	Reporting/Task Management/Meeting	0.5	60.00	30.00
7/20/2021	Earl Osborne	Route Review Warm Springs	1.5	65.00	97.50
7/22/2021	Earl Osborne	Route Review Warm Springs	11	65.00	715.00
7/22/2021	Earl Osborne	Route Review Warm Springs	1	65.00	65.00
7/23/2021	Earl Osborne	Route Review Warm Springs	12	65.00	780.00
7/24/2021	Earl Osborne	Route Review Warm Springs	12	65.00	780.00
	Reimb. Expenses				
6/26/2021		Mileage (Earl Osborne)		126.00	126.00
6/26/2021		Dining (Earl Osborne)		96.00	96.00
7/3/2021		Dining (Earl Osborne)		32.00	32.00
7/3/2021		Mileage (Earl Osborne)		94.27	94.27
7/24/2021		Mileage (Earl Osborne)		194.88	194.88
7/24/2021		Dining (Earl Osborne)		96.00	96.00
		<b>Total Reimbursable Expenses</b>			<b>639.15</b>

**Terms: Net 30**

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**Subtotal**                                      \$5,761.65  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$5,761.65





# Invoice

**Date**                      **Invoice #**  
 7/31/2021                      149665

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A  
**Project:** [OSP] 22 OSP Projects  
**Work Code:** P5.1 - Staking & Mapping Services

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
7/31/2021	OSP Contract	Staking/Mapping Billing	1	21,067.00	21,067.00
		91,595.90 Rural ft @ \$0.23/ft = \$ 21,067			
		Previous Billing = \$ 0			
		Net = \$ 21,067			

**Terms: Net 30**

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**Subtotal**                                      \$21,067.00  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$21,067.00



# Invoice

**Date**                      **Invoice #**  
 7/31/2021                      150082

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [Sp Proj] 20 Synergy Service

**Work Code:** A1.0 - Project Design

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
7/15/2021	Gaven Davis	Call with Victoria on Synergy Services & Calix Needs	0.5	145.00	72.50
7/15/2021	Andy Eglund	Overview and Project Discussion	0.5	130.00	65.00
7/31/2021	Synergy Prepayment	Less Prepayments		-137.50	-137.50

**Terms:** Net 30

**Total** \$0.00

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**Retainer Balance:** \$ 11,235.00

Please direct any billing questions to Stephanie Nemece at (605) 995-1791 or send e-mail to [BillingTeam@vantagepnt.com](mailto:BillingTeam@vantagepnt.com).



# Invoice

Date: 7/31/2021  
 Invoice #: 150083

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [Sp Proj] 20/21 Data Collection

**Work Code:** A3.0 - MRE / Paperwork

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/22/2021	Evan Eidem	BARC Electric Make Ready Mapping	1.5	100.00	150.00
6/23/2021	Evan Eidem	BARC Electric Make Ready Mapping	2.5	100.00	250.00
6/28/2021	Chris Lamos	Make Ready Coordination - Overall	4	75.00	300.00
6/28/2021	Evan Eidem	BARC Electric Pole Make Ready Mapping	2.5	100.00	250.00
6/29/2021	Chris Lamos	Make Ready Coordination - Overall	4	75.00	300.00
6/29/2021	Evan Eidem	BARC Electric Pole Make Ready Mapping	1	100.00	100.00
6/30/2021	Evan Eidem	BARC Electric Pole Make Ready Mapping	1.5	100.00	150.00
7/1/2021	Evan Eidem	BARC Electric Pole Make Ready Mapping	1.5	100.00	150.00
7/12/2021	Sabrina Seagraves	Make Ready Engineering - Conrock	9	65.00	585.00
7/12/2021	Evan Eidem	BARC Electric Pole Make Ready Mapping	2	100.00	200.00
7/13/2021	Sabrina Seagraves	Make Ready Engineering - Conrock	8	65.00	520.00
7/13/2021	Evan Eidem	BARC Electric Pole Make Ready Mapping	1.5	100.00	150.00
7/14/2021	Sabrina Seagraves	Make Ready Engineering - Conrock	8	65.00	520.00
7/14/2021	Evan Eidem	BARC Electric Location Master List Updates	4.5	100.00	450.00
7/14/2021	Evan Eidem	BARC Electric Pole Make Ready Mapping	3	100.00	300.00
7/15/2021	Sabrina Seagraves	Make Ready Engineering - Conrock	8	65.00	520.00
7/15/2021	Evan Eidem	BARC Electric Pole Make Ready Mapping	5	100.00	500.00
7/16/2021	Chris Lamos	Make Ready Coordination - Overall	1	75.00	75.00
7/16/2021	Sabrina Seagraves	Make Ready Engineering - Conrock	7	65.00	455.00
7/16/2021	Sabrina Seagraves	Make Ready Engineering - Conrock	1	65.00	65.00
7/16/2021	Evan Eidem	BARC Electric Pole Make Ready Mapping	3	100.00	300.00
7/17/2021	Sabrina Seagraves	Make Ready Engineering - Conrock	4	65.00	260.00
7/19/2021	Sabrina Seagraves	Make Ready Engineering - Conrock	10	65.00	650.00
7/19/2021	Todd Schaefer	Make Ready Engineering - Conrock	6	65.00	390.00
7/19/2021	Chris Lamos	Pole Make Ready Mapping	4	75.00	300.00
7/20/2021	Sabrina Seagraves	Make Ready Engineering - Conrock	10	65.00	650.00
7/20/2021	Todd Schaefer	Make Ready Engineering - Conrock	6	65.00	390.00
7/20/2021	Chris Lamos	Pole Make Ready Mapping	4	75.00	300.00
7/21/2021	Sabrina Seagraves	Make Ready Engineering - Conrock	8	65.00	520.00
7/22/2021	Sabrina Seagraves	Make Ready Engineering - Conrock	10	65.00	650.00
7/23/2021	Sabrina Seagraves	Make Ready Engineering - Conrock	2	65.00	130.00

**Terms:** Net 30

**Subtotal**

**Sales Tax (0.0%)**

**Balance Due**



# Invoice

<b>Date</b>	<b>Invoice #</b>
7/31/2021	150083

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A

**Project:** [Sp Proj] 20/21 Data Collection

**Work Code:** A3.0 - MRE / Paperwork

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
7/23/2021	Sabrina Seagraves	Make Ready Engineering - Conrock	5	65.00	325.00
7/23/2021	Chris Lamos	Pole Make Ready Mapping	3	75.00	225.00
7/24/2021	Chris Lamos	Pole Make Ready Mapping	5	75.00	375.00

**Terms: Net 30**

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<b>Subtotal</b>	\$11,455.00
<b>Sales Tax (0.0%)</b>	\$0.00
<b>Balance Due</b>	\$11,455.00



# Invoice

Date: 7/31/2021  
 Invoice #: 150084

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A  
**Project:** [Sp Proj] 22 Data Collection  
**Work Code:** A3.0 - MRE / Paperwork

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/21/2021	Steven Larson	Make Ready Coordination - Overall	2	95.00	190.00
6/22/2021	Sabrina Seagraves	Make Ready Engineering - Hot Springs	8.5	65.00	552.50
6/22/2021	Todd Schaefer	Make Ready Engineering - Hot Springs	10	65.00	650.00
6/22/2021	Steven Larson	Make Ready Coordination - Overall	1	95.00	95.00
6/22/2021	Chris Lamos	Pole Make Ready Mapping	5	75.00	375.00
6/23/2021	Sabrina Seagraves	Make Ready Engineering - Hot Springs	8	65.00	520.00
6/23/2021	Todd Schaefer	Make Ready Engineering - Hot Springs	10	65.00	650.00
6/23/2021	Steven Larson	Make Ready Coordination - Overall	2	95.00	190.00
6/23/2021	Chris Lamos	Pole Make Ready Mapping	8	75.00	600.00
6/24/2021	Sabrina Seagraves	Make Ready Engineering - Hot Springs	9	65.00	585.00
6/24/2021	Todd Schaefer	Make Ready Engineering - Hot Springs	10	65.00	650.00
6/24/2021	Steven Larson	Make Ready Coordination - Overall	2	95.00	190.00
6/24/2021	David Harnisch	Make Ready Engineering - Overall	0.5	65.00	32.50
6/24/2021	Chris Lamos	Pole Make Ready Mapping	8	75.00	600.00
6/25/2021	Sabrina Seagraves	Make Ready Engineering - Hot Springs	6	65.00	390.00
6/25/2021	Todd Schaefer	Make Ready Engineering - Hot Springs	10	65.00	650.00
6/25/2021	Steven Larson	Make Ready Coordination - Overall	3	95.00	285.00
6/25/2021	Chris Lamos	Pole Make Ready Mapping	8	75.00	600.00
6/26/2021	Sabrina Seagraves	Make Ready Engineering - Hot Springs	4.5	65.00	292.50
6/27/2021	Sabrina Seagraves	Make Ready Engineering - Hot Springs	6	65.00	390.00
6/28/2021	Sabrina Seagraves	Make Ready Engineering - Hot Springs	10	65.00	650.00
6/28/2021	Todd Schaefer	Make Ready Engineering - Hot Springs	10	65.00	650.00
6/28/2021	Chris Lamos	Pole Make Ready Mapping	3	75.00	225.00
6/29/2021	Sabrina Seagraves	Make Ready Engineering - Hot Springs	10	65.00	650.00
6/29/2021	Todd Schaefer	Make Ready Engineering - Hot Springs	10	65.00	650.00
6/29/2021	Steven Larson	Make Ready Coordination - Overall	2	95.00	190.00
6/29/2021	Chris Lamos	Pole Make Ready Mapping	3	75.00	225.00
6/30/2021	Sabrina Seagraves	Make Ready Engineering - Hot Springs	9	65.00	585.00
6/30/2021	Todd Schaefer	Make Ready Engineering - Hot Springs	8	65.00	520.00
6/30/2021	David Harnisch	Make Ready Engineering - Hot Springs	2.5	65.00	162.50
6/30/2021	Chris Lamos	Pole Make Ready Mapping	8	75.00	600.00

**Terms: Net 30**

**Subtotal**

**Sales Tax (0.0%)**

**Balance Due**



# Invoice

Date: 7/31/2021  
 Invoice #: 150084

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A  
**Project:** [Sp Proj] 22 Data Collection  
**Work Code:** A3.0 - MRE / Paperwork

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
7/1/2021	Sabrina Seagraves	Make Ready Engineering - Hot Springs	5	65.00	325.00
7/1/2021	Todd Schaefer	Make Ready Engineering - Hot Springs	10	65.00	650.00
7/1/2021	Steven Larson	Make Ready Coordination - Overall	2.5	95.00	237.50
7/1/2021	David Harnisch	Make Ready Engineering - Hot Springs	6	65.00	390.00
7/1/2021	Chris Lamos	Pole Make Ready Mapping	4	75.00	300.00
7/2/2021	Todd Schaefer	Make Ready Engineering - Hot Springs	2	65.00	130.00
7/2/2021	Todd Schaefer	Make Ready Engineering - Hot Springs	3.5	65.00	227.50
7/2/2021	Steven Larson	Make Ready Coordination - Overall	2	95.00	190.00
7/2/2021	David Harnisch	Make Ready Engineering - Hot Springs	5.5	65.00	357.50
7/6/2021	Todd Schaefer	Make Ready Engineering - Effinger to Big Hill	8	65.00	520.00
7/6/2021	Todd Schaefer	Make Ready Engineering - Falling Springs	2	65.00	130.00
7/7/2021	Eric Rajchel	MRE Planning / Timelines	0.5	130.00	65.00
7/7/2021	Steven Larson	Make Ready Coordination - Overall	2	95.00	190.00
7/8/2021	Todd Schaefer	Make Ready Engineering - Effinger to Big Hill	10	65.00	650.00
7/9/2021	Todd Schaefer	Make Ready Engineering - Effinger to Big Hill	10	65.00	650.00
7/9/2021	Steven Larson	Make Ready Coordination - Overall	1	95.00	95.00
7/12/2021	Steven Larson	Make Ready Coordination - Overall	2	95.00	190.00
7/12/2021	Todd Schaefer	Make Ready Engineering - Effinger to Big Hill	8	65.00	520.00
7/12/2021	Todd Schaefer	Make Ready Engineering - Falling Springs	2	65.00	130.00
7/13/2021	Steven Larson	Make Ready Coordination - Overall	3	95.00	285.00
7/13/2021	Todd Schaefer	Make Ready Engineering - Effinger to Big Hill	10	65.00	650.00
7/14/2021	Steven Larson	Make Ready Coordination - Overall	1	95.00	95.00
7/14/2021	Todd Schaefer	Make Ready Engineering - Effinger to Big Hill	10	65.00	650.00
7/14/2021	David Harnisch	Make Ready Engineering - Falling Springs	0.5	65.00	32.50
7/15/2021	Steven Larson	Make Ready Coordination - Overall	1	95.00	95.00
7/15/2021	Todd Schaefer	Make Ready Engineering - Effinger to Big Hill	10	65.00	650.00
7/15/2021	David Harnisch	Make Ready Engineering - Falling Springs	1	65.00	65.00
7/16/2021	Steven Larson	Make Ready Coordination - Overall	1	95.00	95.00
7/16/2021	Todd Schaefer	Make Ready Engineering - Effinger to Big Hill	5	65.00	325.00
7/18/2021	Steven Larson	Make Ready Coordination - Overall	1	95.00	95.00
7/19/2021	Todd Schaefer	Make Ready Engineering - Effinger to Big Hill	4	65.00	260.00

**Terms: Net 30**

**Subtotal**

**Sales Tax (0.0%)**

**Balance Due**



# Invoice

Date: 7/31/2021  
 Invoice #: 150084

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A  
**Project:** [Sp Proj] 22 Data Collection  
**Work Code:** A3.0 - MRE / Paperwork

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
7/19/2021	Steven Larson	Make Ready Coordination - Overall	2	95.00	190.00
7/20/2021	Todd Schaefer	Make Ready Engineering - Effinger to Big Hill	3.5	65.00	227.50
7/20/2021	Steven Larson	Make Ready Coordination - Overall	2	95.00	190.00
7/21/2021	Todd Schaefer	Make Ready Engineering - Effinger to Big Hill	10	65.00	650.00
7/22/2021	Todd Schaefer	Make Ready Engineering - Effinger to Big Hill	7	65.00	455.00
7/22/2021	Todd Schaefer	Make Ready Engineering - Williamsville	3	65.00	195.00
7/22/2021	Steven Larson	Make Ready Coordination - Overall	2	95.00	190.00
7/23/2021	Steven Larson	Make Ready Coordination - Overall	1	95.00	95.00
	Reimb. Expenses				
7/3/2021		Shipping Costs (David Harnisch)		340.79	340.79
7/3/2021		STD Copies (David Harnisch)		380.10	380.10
7/17/2021		Shipping Costs (David Harnisch)		115.37	115.37
7/17/2021		STD Copies (David Harnisch)		52.10	52.10
		Total Reimbursable Expenses			888.36

**Terms: Net 30**

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**Subtotal** \$25,920.86  
**Sales Tax (0.0%)** \$0.00  
**Balance Due** \$25,920.86



# Invoice

Date: 7/31/2021 Invoice #: 149413

**Bill To**

BARC Electric Cooperative  
84 High Street  
PO Box 264  
Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A  
**Project:** [Sp Proj] Regulatory Filing Package  
**Work Code:** A1.1 - Project Design

Staff Member	Work Description	Qty	Rate	Amount
Rev. Contract	Monthly Regulatory Filing Fee	1	195.00	195.00

**Terms** Net 30

*Our team at Vantage Point appreciates your business!*

*Please direct any billing questions to Stephanie Nemecek at (605) 995-1791 or send e-mail to [BillingTeam@vantagepnt.com](mailto:BillingTeam@vantagepnt.com).*

<b>Subtotal</b>	\$195.00
<b>Sales Tax (0.0%)</b>	\$0.00
<b>Total</b>	\$195.00





# Invoice

<b>Date</b>	<b>Invoice #</b>
7/31/2021	149222

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-RUS, A**Project:** A1.1 - [Sp Proj] 20 CALEA Broadband TTP**Work Code:** A1.1 - [Sp Proj] 20 CALEA Broadband TTP

Staff Member	Work Description	Qty	Rate	Amount
CALEA TTP	CALEA Monthly Recurring TTP Service Fee	1	275.00	275.00

**Terms** Net 30*Our team at Vantage Point appreciates your business!*

Please direct any billing questions to Stephanie Nemeč at (605) 995-1791 or  
 send e-mail to [BillingTeam@vantagepnt.com](mailto:BillingTeam@vantagepnt.com).

<b>Subtotal</b>	\$275.00
<b>Sales Tax (0.0%)</b>	\$0.00
<b>Total</b>	\$275.00



# Invoice

Date: 7/31/2021  
 Invoice #: 150085

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-Contract

**Project:**

**Work Code:** A1.0 - [GC] General Consulting

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/21/2021	Quentin Flippin	Project Management, Timeline Rework, and Weekly Calls	1	155.00	155.00
6/21/2021	Cole Donahue	ROW Discussion	1	120.00	120.00
6/22/2021	Quentin Flippin	Project Management, Timeline Rework, and Weekly Calls	1.5	155.00	232.50
6/22/2021	Cole Donahue	Phase 2 Update Meeting and Prep	1	120.00	120.00
6/22/2021	Cole Donahue	Project Planning/Timeline Review	2	120.00	240.00
6/23/2021	Quentin Flippin	Project Management, Timeline Rework, and Weekly Calls	1.5	155.00	232.50
6/23/2021	Cole Donahue	158 Ridge Road Design	0.5	120.00	60.00
6/23/2021	Cole Donahue	Phase 2 Update Meeting and Prep	2.5	120.00	300.00
6/23/2021	Cole Donahue	ROW Discussion	0.5	120.00	60.00
6/23/2021	Brian Enga	219 Form Certification	1	145.00	145.00
6/24/2021	Cole Donahue	Discussion on pole collection data	1	120.00	120.00
6/24/2021	Cole Donahue	Millboro Springs Upload and Central Elem. School Design	1.5	120.00	180.00
6/24/2021	Brian Enga	219 Form Certification	2	145.00	290.00
6/25/2021	Cole Donahue	Invoicing Review	0.5	120.00	60.00
6/28/2021	Cole Donahue	Conrock Layout Review	0.5	120.00	60.00
6/28/2021	Cole Donahue	Hydro Plant and other design questions	0.5	120.00	60.00
6/28/2021	Cole Donahue	ROW Discussion	0.5	120.00	60.00
6/29/2021	Cole Donahue	CAF and RDOF Location KMZ	1.5	120.00	180.00
6/29/2021	Cole Donahue	Conrock Layout Review	1.5	120.00	180.00
6/29/2021	Cole Donahue	Overall KMZ update and Augusta Verification	1	120.00	120.00
6/29/2021	Cole Donahue	Phase 2 Update Meeting and Prep	1	120.00	120.00
6/29/2021	Cole Donahue	Project Planning/Timeline Review	1	120.00	120.00
6/29/2021	Evan Eidem	BARC Electric Grant Area Mapping	3.5	100.00	350.00
6/30/2021	Cole Donahue	Overall KMZ update and Augusta Verification	1	120.00	120.00
6/30/2021	Cole Donahue	Phase 2 Update Meeting and Prep	1.5	120.00	180.00
6/30/2021	Evan Eidem	BARC Electric Grant Area Mapping	1	100.00	100.00
7/1/2021	Brian Enga	219 Form Certification	1	145.00	145.00

**Terms:** Net 30

**Subtotal**

**Sales Tax (0.0%)**

**Balance Due**



# Invoice

Date: 7/31/2021  
 Invoice #: 150085

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-Contract

**Project:**

**Work Code:** A1.0 - [GC] General Consulting

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
7/6/2021	Quentin Flippin	Project Management and Weekly Call	2	155.00	310.00
7/6/2021	Cole Donahue	Backbone Design Review	1	120.00	120.00
7/6/2021	Cole Donahue	Botetourt County Discussion - Canceled Meeting	0.5	120.00	60.00
7/6/2021	Cole Donahue	HH Size Discussions and Email	1.5	120.00	180.00
7/6/2021	Cole Donahue	Phase 2 Update Meeting and Prep	0.5	120.00	60.00
7/7/2021	Quentin Flippin	Project Management and Weekly Call	2.5	155.00	387.50
7/7/2021	Cole Donahue	Backbone Design Review	0.5	120.00	60.00
7/7/2021	Cole Donahue	Phase 2 Update Meeting and Prep	2	120.00	240.00
7/7/2021	Cole Donahue	Project Planning/Timeline Review	1	120.00	120.00
7/8/2021	Cole Donahue	HH Size Discussions and Email	0.5	120.00	60.00
7/8/2021	Cole Donahue	North Buffalo Questionable Marketing Address	0.5	120.00	60.00
7/8/2021	Cole Donahue	Project Planning/Timeline Review	0.5	120.00	60.00
7/9/2021	Quentin Flippin	Project Management and Weekly Call	1	155.00	155.00
7/9/2021	Cole Donahue	Backbone Design Review	0.5	120.00	60.00
7/12/2021	Quentin Flippin	VPS Invoice Research in Prep for BARC Review Call	2.5	155.00	387.50
7/12/2021	Cole Donahue	Invoice Reviews	2	120.00	240.00
7/13/2021	Quentin Flippin	VPS Invoice Research in Prep for BARC Review Call	2.5	155.00	387.50
7/13/2021	Cole Donahue	Invoice Reviews	0.5	120.00	60.00
7/13/2021	Cole Donahue	Millboro-Falling Springs Design Review and Upload	1.5	120.00	180.00
7/14/2021	Quentin Flippin	Project Management and Weekly Call Prep and Followup	1.5	155.00	232.50
7/14/2021	Quentin Flippin	VPS Invoice Research in Prep for BARC Review Call	2	155.00	310.00
7/14/2021	Eric Rajchel	Address Location Spreadsheets	0.5	130.00	65.00
7/14/2021	Cole Donahue	Invoice Reviews	1	120.00	120.00
7/14/2021	Cole Donahue	Millboro-Falling Springs Design Review and Upload	0.5	120.00	60.00
7/14/2021	Cole Donahue	Phase 2 Update Meeting and Prep	2.5	120.00	300.00
7/15/2021	Quentin Flippin	Project Management and Weekly Call Prep and Followup	1	155.00	155.00
7/15/2021	Quentin Flippin	VPS Invoice Research in Prep for BARC Review Call	0.5	155.00	77.50
7/16/2021	Quentin Flippin	Project Management and Weekly Call Prep and Followup	1	155.00	155.00

**Terms:** Net 30

**Subtotal**

**Sales Tax (0.0%)**

**Balance Due**



# Invoice

**Date**                      **Invoice #**  
 7/31/2021                      150085

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-Contract

**Project:**

**Work Code:**                      A1.0 - [GC] General Consulting

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
7/19/2021	Quentin Flippin	Project Management, Billing Review, Mapwise Drop call	1	155.00	155.00
7/20/2021	Cole Donahue	Invoice review with BARC	2	120.00	240.00
7/20/2021	Quentin Flippin	Project Management, Billing Review, Mapwise Drop call	3	155.00	465.00
7/21/2021	Cole Donahue	Phase 2 Update Meeting and Prep	2	120.00	240.00
7/21/2021	Quentin Flippin	Project Management, Billing Review, Mapwise Drop call	2	155.00	310.00
7/22/2021	Cole Donahue	Backbone Design Review	1.5	120.00	180.00
7/22/2021	Evan Eidem	BARC Electric Highland Telephone Serving Area Mapping	1.5	100.00	150.00
7/22/2021	Quentin Flippin	Project Management, Billing Review, Mapwise Drop call	2	155.00	310.00
7/23/2021	Cole Donahue	Overall KMZ update and Augusta Verification	1	120.00	120.00

**Terms: Net 30**

*Our team at Vantage Point appreciates your business!*

*Please direct any billing questions to Stephanie Nemec at (605) 995-1791 or send e-mail to [BillingTeam@vantagepnt.com](mailto:BillingTeam@vantagepnt.com).*

**Subtotal**                                      \$10,942.50  
**Sales Tax (0.0%)**                                      \$0.00  
**Balance Due**                                      \$10,942.50



# Invoice

<b>Date</b>	<b>Invoice #</b>
7/31/2021	150086

**Bill To**

BARC Electric Cooperative  
 84 High Street  
 PO Box 264  
 Millboro, VA 24460

**Contract/Work Order:** Non-Contract

**Project:**

**Work Code:** S1.0 - [REV] Revenue Consulting

Date	Staff Member	Work Description	Qty (hrs.)	Rate	Amount
6/24/2021	Mara Vasile	Lifeline Discussion	0.5	160.00	80.00
6/25/2021	Mara Vasile	Lifeline Discussion	0.5	160.00	80.00

**Terms: Net 30**

*Our team at Vantage Point appreciates your business!*

*Please direct any billing questions to Stephanie Nemec at (605) 995-1791 or send e-mail to [BillingTeam@vantagepnt.com](mailto:BillingTeam@vantagepnt.com).*

<b>Subtotal</b>	\$160.00
<b>Sales Tax (0.0%)</b>	\$0.00
<b>Balance Due</b>	\$160.00

<b>TITLE</b>	2021-08-23 Vantage Point PR - Statement 08.17.21
<b>FILE NAME</b>	2021-08-23 Vantag...ment 08.17.21.pdf
<b>DOCUMENT ID</b>	e5158947647e4bea6496db05d5ab0798e3f3d9f5
<b>AUDIT TRAIL DATE FORMAT</b>	MM / DD / YYYY
<b>STATUS</b>	● Completed

---

### Document History



SENT

**08 / 23 / 2021**

14:32:43 UTC

Sent for signature to Mike Keyser (mkeyser@barcelectric.com)  
 from cperdue@barcelectric.com  
 IP: 216.55.242.129



VIEWED

**08 / 23 / 2021**

14:54:40 UTC

Viewed by Mike Keyser (mkeyser@barcelectric.com)  
 IP: 216.55.240.152



SIGNED

**08 / 23 / 2021**

14:55:10 UTC

Signed by Mike Keyser (mkeyser@barcelectric.com)  
 IP: 216.55.240.152



COMPLETED

**08 / 23 / 2021**

14:55:10 UTC

The document has been completed.

## DERIVATION OF COSTS ITEM 5

### SERVICE DROP CONSTRUCTION, COMMERCIAL







September 3, 2021

Mr. Mike Keyser  
BARC Electric Cooperative  
84 High Street  
PO Box 264  
Millboro, VA 24460

Ref: VA – BARC ELECTRIC - P19.0  
OSP Invoice No. 1-22

Dear Mike:

Enclosed please find Invoice No. 1-22 for labor & materials, from Thayer Power of Pataskala, Ohio for the construction of fiber optic facilities associated with your 2021 Outside Plant Construction for the **2021** project.

At your earliest convenience please review the invoice and process the payment as noted.

If you have any questions, please feel free to contact me at 605-990-1843.

Sincerely,

*Ann Carpenter*

Ann Carpenter  
Technical Assistant  
Vantage Point Solutions, Inc.

akc  
enclosure: Invoice No. 1-22

VANTAGEPNT.COM 605-995-1777  
2211 N Minnesota Street Mitchell SD 57301



# 1

# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
8/5/2021	21VP284	Net 30

\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\*

<b>Bill To:</b>
Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable

Job Name	Job #	PO #
84004	21TN0042	

### Description:

Quantity	Description	Unit Price	Amount
1	Attached is a breakdown of this invoice	32,700.95	32,700.95

ITEM TOTAL	32,700.95
RETENTION	-1,635.05

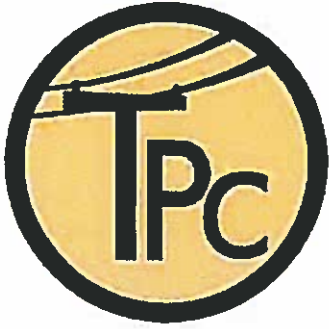
<b>TOTAL AMOUNT</b>	<b>31,065.90</b>
---------------------	------------------

### Please remit payment to:

Thayer Power and Communication Line Construction Co., LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
--

BARC Unit Billing Sheet						
Date Worked:	7/28/21 to 8/4/21	WOW	84004			
Customer:	Barc Electric (Vanlage Point)					
Job Cost:	21TN0042					
Close PO: Yes NO - NO						
Location:	North Buffalo-1230 Bluegrass Trail					
Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BDS pedestal	Foot		\$90.00	\$329.00	\$0.00
BFO 12	12 FSM loops/slack	Foot	776	\$4.20	\$0.05	\$3,298.00
BFO12I	Install 12 FSM in innerduct	Foot	3618	\$1.15	\$0.08	\$4,450.14
BFO 24	24 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 24I	Install 24 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48	48 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 48I	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot		\$5.50	\$0.05	\$0.00
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO 48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48 D	Install 48 FSM w/144 FSM mentioned above	Foot		\$0.60	\$0.01	\$0.00
BHF (12x24x18)	Install traffic rated handhole	Each		\$155.00	\$35.00	\$0.00
BHF(30x48x36)T	Install traffic rated handhole	Each		\$175.00	\$39.00	\$0.00
BM2(5/8)(8)	Install ground rod	Each		\$23.00	\$23.41	\$0.00
BM 53	Install buried fiber warning post	Each		\$41.00	\$28.18	\$0.00
BM61(2)D	Directional bore a 2" conduit	Foot		\$9.20	\$0.27	\$0.00
BM7I	Rock trench (cable install is a separate unit)	Foot		\$35.00	\$0.40	\$0.00
BM8I	Install a 2" x 8' riser guard	Each	8	\$23.00	\$30.81	\$430.48
BM83	Install drop riser	Each	1	\$29.00	\$3.55	\$32.55
BM61(2)DR	Directional bore a 2" conduit in rock	Foot		\$35.00	\$0.27	\$0.00
WBHF	Rearrange handhole	Each		\$245.00	\$0.00	\$0.00
XXBHF	Remove handhole	Each		\$250.00	\$75.00	\$0.00
<b>Aerial Fiber Units</b>						
CO 12	12 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 12(6M)	Place 6M strand & lash a 12 FSM cable	Foot	9430	\$2.05	\$0.09	\$28,180.20
CO 12(10M)	Place 10M strand & lash a 12 FSM cable	Foot		\$2.10	\$0.11	\$0.00
CO 24	24 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 24(6M)	Place 6M strand & lash a 24 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 48	48 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 48(6M)	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 144	144 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 144(6M)	Place 6M strand & lash a 144 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 288	288 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 288(6M)	Place 6M strand & lash a 288 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 48(6M)D	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 12 D	Lash 12 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO 24 D	Lash 24 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO48 D	Lash 48 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
<b>Fiber Splicing Units</b>						
HACO(M)	Install medium aerial closure	Each		\$495.00	\$153.00	\$0.00
HACO(S)	Install small aerial closure	Each		\$420.00	\$137.00	\$0.00
HACOSP(1)(32)	Install medium aerial closure w/1 splitter	Each		\$700.00	\$173.00	\$0.00
HACOSP(2)(32)	Install medium aerial closure w/2 splitters	Each		\$710.00	\$268.00	\$0.00
HACOSP(3)(32)	Install medium aerial closure w/3 splitters	Each		\$720.00	\$364.00	\$0.00
HBFO(S)	Install small closure in HH	Each		\$420.00	\$35.00	\$0.00
HO-1	Splice & test a single fiber	Each		\$32.50	\$0.30	\$0.00
ONTHS	Install ONT Housing	Each		\$165.00	\$21.00	\$0.00
<b>Anchor, DG's &amp; OHG's</b>						
PE1-2G	Install 10M DG w/bond	Each	27	\$60.00	\$55.00	\$3,105.00
PE2-2G	Install 10M OHG w/bond	Each	1	\$80.00	\$166.00	\$246.00
PF 3-3A	Install PISA	Each		\$233.00	\$59.00	\$0.00
PF5-3A	Install rock anchor	Each		\$275.00	\$85.00	\$0.00
<b>Miscellaneous Assembly Units</b>						
PM1I	Install guy guard	Each	14	\$4.00	\$3.90	\$110.60
PM2A	Attach new strand to existing vertical ground	Each	16	\$15.00	\$6.00	\$336.00
PMSS	Place a storage loop	Each		\$165.00	\$48.00	\$0.00
WC-DE	Transfer Dead End	Each		\$94.00	\$17.66	\$0.00
WC-1	Move inline	Each	3	\$55.00	\$4.00	\$177.00
WC-2	Move Dead End	Each	3	\$94.00	\$17.66	\$334.98
WHACO	Re-enter splice closure	Each		\$130.00	\$38.00	\$0.00
WPE-1	Transfer phone or CATV to new anchor	Each		\$72.00	\$7.25	\$0.00
<b>Total Billing Amount</b>						<b>\$32,700.95</b>

#2



# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
8/6/2021	21VP289	Net 30

\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\*

<b>Bill To:</b>
Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable

Job Name	Job #	PO #
70005	21TN0045	

**Description:**

Quantity	Description	Unit Price	Amount
1	Attached is a breakdown of this invoice	22,272.53	22,272.53

ITEM TOTAL	22,272.53
RETENTION	-1,113.63
<b>TOTAL AMOUNT</b>	<b>21,158.90</b>

**Please remit payment to:**

Thayer Power and Communication Line Construction Co.,LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
---

### BARC Unit Billing Sheet

Date Worked:	7/22/2021	WO#	70005
Customer:	Barc Electric (Vantage Point)		
Job Cost:	21TN0045		

Close PO: Yes NO - NO  
 Location: North Raphine & Augusta

Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BD5 pedestal	Foot		\$90.00	\$329.00	\$0.00
BFO 12	12 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO12I	Install 12 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24	24 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 24I	Install 24 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48	48 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 48I	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot		\$5.50	\$0.05	\$0.00
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO 48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48 D	Install 48 FSM w/144 FSM mentioned above	Foot		\$0.60	\$0.01	\$0.00
BHF(12x24x18)T	Install ttraffic rated handhole	Each	2	\$155.00	\$35.00	\$380.00
BM2(5/8)(8)	Install ground rod	Each		\$23.00	\$23.41	\$0.00
BM 53	Install buried fiber warining post	Each		\$41.00	\$28.18	\$0.00
BM61(2)D	Directional bore a 2" conduit	Foot	25	\$9.20	\$0.27	\$236.75
BM71	Rock trench (cable install is a separate unit)	Foot		\$35.00	\$0.40	\$0.00
BM81	Install a 2" x 8' riser guard	Each		\$23.00	\$30.81	\$0.00
BM83	Install drop riser	Each		\$29.00	\$3.55	\$0.00
BM61(2)DR	Directional bore a 2" conduit in rock	Foot	614	\$35.00	\$0.27	\$21,655.78
<b>Total Billing Amount</b>						<b>\$22,272.53</b>



# 3

# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
6/30/2021	21VP251	Net 30

**\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\***

<b>Bill To:</b>
Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable

Job Name	Job #	PO #
70005	21TN0045	

**Description:**

Quantity	Description	Unit Price	Amount
1	Attached is a breakdown of this invoice	65,954.90	65,954.90

ITEM TOTAL	65,954.90
RETENTION	-3,297.75
<b>TOTAL AMOUNT</b>	<b>62,657.15</b>

**Please remit payment to:**

Thayer Power and Communication Line Construction Co., LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
--



**BARC Unit Billing Sheet**

<b>Date Worked:</b>	6/13/21 to 6/28/21	<b>WO#</b>	70005
<b>Customer:</b>	Barc Electric (Vantage Point)		
<b>Job Cost:</b>	21TN0045		
<b>Close PO:</b>	Yes NO - NO		
<b>Location:</b>	North Raphine and Augusta		

Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BDS pedestal	Foot		\$90.00	\$329.00	\$0.00
BFO 12	12 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO12I	Install 12 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24	24 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 24I	Install 24 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48	48 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 48I	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot		\$5.50	\$0.05	\$0.00
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO 48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48 D	Install 48 FSM w/144 FSM mentioned above	Foot		\$0.60	\$0.01	\$0.00
BHF(30x48x36)T	Install traffic rated handhole	Each		\$175.00	\$39.00	\$0.00
BM2(5/8)(8)	Install ground rod	Each		\$23.00	\$23.41	\$0.00
BM 53	Install buried fiber warning post	Each		\$41.00	\$28.18	\$0.00
BM61(2)D	Directional bore a 2" conduit	Foot		\$9.20	\$0.27	\$0.00
BM71	Rock trench (cable install is a separate unit)	Foot		\$35.00	\$0.40	\$0.00
BM81	Install a 2" x 8' riser guard	Each		\$23.00	\$30.81	\$0.00
BM83	Install drop riser	Each		\$29.00	\$3.55	\$0.00
BM61(2)DR	Directional bore a 2" conduit in rock	Foot	1870	\$35.00	\$0.27	\$65,954.90

<b>Total Billing Amount</b>	<b>\$65,954.90</b>
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#4

# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
7/9/2021	21VP259	Net 30

\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\*

<b>Bill To:</b>
Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable

Job Name	Job #	PO #
70005	21TN0045	

### Description:

Quantity	Description	Unit Price	Amount
1	Attached is a breakdown of this invoice	22,173.94	22,173.94

ITEM TOTAL	22,173.94
RETENTION	-1,108.70
<b>TOTAL AMOUNT</b>	<b>21,065.24</b>

### Please remit payment to:

Thayer Power and Communication Line Construction Co.,LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
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### BARC Unit Billing Sheet

Date Worked:	7/2/2021	WO#	70005	
Customer:	Barc Electric (Vantage Point)			
Job Cost:	21TN0045			
Close PO:	Yes NO - NO			
Location:	North Raphine & Augusta			

Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BD5 pedestal	Foot		\$90.00	\$329.00	\$0.00
BFO 12	12 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO12I	Install 12 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24	24 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 24I	Install 24 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48	48 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 48I	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot		\$5.50	\$0.05	\$0.00
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO 48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48 D	Install 48 FSM w/144 FSM mentioned above	Foot		\$0.60	\$0.01	\$0.00
BHF(30x48x36)T	Install traffic rated handhole	Each	3	\$175.00	\$39.00	\$642.00
BM2(5/8)(8)	Install ground rod	Each	2	\$23.00	\$23.41	\$92.82
BM 53	Install buried fiber warning post	Each		\$41.00	\$28.18	\$0.00
BM61(2)D	Directional bore a 2" conduit	Foot	722	\$9.20	\$0.27	\$6,837.34
BM71	Rock trench (cable install is a separate unit)	Foot		\$35.00	\$0.40	\$0.00
BM81	Install a 2" x 8' riser guard	Each		\$23.00	\$30.81	\$0.00
BM83	Install drop riser	Each		\$29.00	\$3.55	\$0.00
BM61(2)DR	Directional bore a 2" conduit in rock	Foot	414	\$35.00	\$0.27	\$14,601.78
<b>Total Billing Amount</b>						<b>\$22,173.94</b>



#5

# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
7/9/2021	21VP261	Net 30

\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\*

<b>Bill To:</b>
Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable

Job Name	Job #	PO #
84004	21TN0042	

**Description:**

Quantity	Description	Unit Price	Amount
1	Attached is a breakdown of this invoice	12,070.72	12,070.72

ITEM TOTAL	12,070.72
RETENTION	-603.54
<b>TOTAL AMOUNT</b>	<b>11,467.18</b>

**Please remit payment to:**

Thayer Power and Communication Line Construction Co., LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
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BARC Unit Billing Sheet						
Date Worked:	7/1/2021	WO#	84004			
Customer:	Barc Electric (Varlage Point)					
Job Cost:	21TN0042					
Close PO: Yes NO - NO						
Location:	North Buffalo-1230 Bluegrass Trail					
Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BDS pedestal	Foot		\$90.00	\$329.00	\$0.00
BFO 12	12 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO12I	Install 12 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24	24 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 24I	Install 24 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48	48 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 48I	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot		\$5.50	\$0.05	\$0.00
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO 48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 I	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48 I	Install 48 FSM w/144 FSM mentioned above	Foot		\$0.60	\$0.01	\$0.00
BHF(30x48x36)T	Install traffic rated handhole	Each		\$175.00	\$39.00	\$0.00
BM2(5/8)X8	Install ground rod	Each		\$23.00	\$23.41	\$0.00
BM 53	Install buried fiber warning post	Each		\$41.00	\$28.18	\$0.00
BM61(2)D	Directional bore a 2" conduit	Foot		\$9.20	\$0.27	\$0.00
BM7I	Rock trench (cable install is a separate unit)	Foot		\$35.00	\$0.40	\$0.00
BM8I	Install a 2" x 8' riser guard	Each		\$23.00	\$30.81	\$0.00
BM83	Install drop riser	Each		\$29.00	\$3.55	\$0.00
BM61(2)DR	Directional bore a 2" conduit in rock	Foot		\$35.00	\$0.27	\$0.00
<b>Aerial Fiber Units</b>						
CO 12	12 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 12(6M)	Place 6M strand & lash a 12 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 12(10M)	Place 10M strand & lash a 12 FSM cable	Foot		\$2.10	\$0.11	\$0.00
CO 24	24 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 24(6M)	Place 6M strand & lash a 24 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 48	48 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 48(6M)	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 144	144 FSM coil/slack	Foot	80	\$1.05	\$0.03	\$86.40
CO 144(6M)	Place 6M strand & lash a 144 FSM cable	Foot	4978	\$2.05	\$0.09	\$10,652.92
CO 288	288 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 288(6M)	Place 6M strand & lash a 288 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 48(6M)D	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 12 D	Lash 12 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO 24 D	Lash 24 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO 48 D	Lash 48 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
<b>Fiber Splicing Units</b>						
HACO(M)	Install medium aerial closure	Each		\$495.00	\$153.00	\$0.00
HACO(S)	Install small aerial closure	Each		\$420.00	\$137.00	\$0.00
HACOSP(1)32)	Install medium aerial closure w/1 splitter	Each		\$700.00	\$173.00	\$0.00
HACOSP(2)32)	Install medium aerial closure w/2 splitters	Each		\$710.00	\$268.00	\$0.00
HACOSP(3)32)	Install medium aerial closure w/3 splitters	Each		\$720.00	\$364.00	\$0.00
HBFOX(S)	Install small closure in HH	Each		\$420.00	\$35.00	\$0.00
HO-1	Splice & test a single fiber	Each		\$32.50	\$0.30	\$0.00
ONTIIS	Install ONT Housing	Each		\$165.00	\$21.00	\$0.00
<b>Anchors, DG's &amp; OHG's</b>						
PE1-2G	Install 10M DG w/bond	Each	6	\$60.00	\$55.00	\$690.00
PE2-2G	Install 10M OHG w/bond	Each		\$80.00	\$166.00	\$0.00
PF 3-3A	Install PISA	Each		\$233.00	\$59.00	\$0.00
PFS-3A	Install rock anchor	Each		\$275.00	\$85.00	\$0.00
<b>Miscellaneous Assembly Units</b>						
PM1I	Install guy guard	Each	6	\$4.00	\$3.90	\$47.40
PM2A	Attach new strand to existing vertical ground	Each	8	\$15.00	\$6.00	\$168.00
PMSS	Place a storage loop	Each	2	\$165.00	\$48.00	\$426.00
WC-DE	Transfer Dead End	Each		\$94.00	\$17.66	\$0.00
WC-1	Move inline	Each		\$55.00	\$4.00	\$0.00
WC-2	Move Dead End	Each		\$67.00	\$9.78	\$0.00
WHACO	Re-enter splice closure	Each		\$130.00	\$58.00	\$0.00
WPE-1	Transfer phone or CATV to new anchor	Each		\$72.00	\$7.25	\$0.00
<b>Total Billing Amount</b>						<b>\$12,070.72</b>





#6

# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
7/15/2021	21VP270	Net 30

\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\*

<b>Bill To:</b>
Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable

Job Name	Job #	PO #
84004	21TN0042	

### Description:

Quantity	Description	Unit Price	Amount
1	Attached is a breakdown of this invoice	30,345.56	30,345.56

ITEM TOTAL	30,345.56
RETENTION	-1,517.28
<b>TOTAL AMOUNT</b>	<b>28,828.28</b>

### Please remit payment to:

Thayer Power and Communication Line Construction Co.,LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
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BARC Unit Billing Sheet						
Date Worked:	7/1/21 to 7/14/21	WOP#	84004			
Customer:	Barc Electric (Vantage Point)					
Job Cost:	21TNO042					
Close PO:	Yes NO - NO					
Location:	North Buffalo - 1230 Bluegrass Trail					
Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BD5 pedestal	Foot		\$90.00	\$329.00	\$0.00
BFO 12	12 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO12I	Install 12 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24	24 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 24I	Install 24 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48	48 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 48I	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot		\$5.50	\$0.05	\$0.00
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO 48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48 D	Install 48 FSM w/144 FSM mentioned above	Foot		\$0.60	\$0.01	\$0.00
BHF(30x48x36)T	Install traffic rated handhole	Each		\$175.00	\$39.00	\$0.00
BM2(5/8)X8	Install ground rod	Each		\$23.00	\$23.41	\$0.00
BM 53	Install buried fiber warning post	Each		\$41.00	\$28.18	\$0.00
BM61(2)D	Directional bore a 2" conduit	Foot		\$9.20	\$0.27	\$0.00
BM7I	Rock trench (cable install is a separate unit)	Foot		\$35.00	\$0.40	\$0.00
BM8I	Install a 2" x 8' riser guard	Each		\$23.00	\$30.81	\$0.00
BM83	Install drop riser	Each		\$29.00	\$3.55	\$0.00
BM61(2)DR	Directional bore a 2" conduit in rock	Foot		\$35.00	\$0.27	\$0.00
<b>Aerial/Fiber Units</b>						
CO 12	12 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 12(6M)	Place 6M strand & lash a 12 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 12(10M)	Place 10M strand & lash a 12 FSM cable	Foot		\$2.10	\$0.11	\$0.00
CO 24	24 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 24(6M)	Place 6M strand & lash a 24 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 48	48 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 48(6M)	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 144	144 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 144(6M)	Place 6M strand & lash a 144 FSM cable	Foot	10128	\$2.05	\$0.09	\$21,673.92
CO 288	288 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 288(6M)	Place 6M strand & lash a 288 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 48(6M)D	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 12 D	Lash 12 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO 24 D	Lash 24 FSM w/another cable	Foot	4068	\$1.05	\$0.03	\$4,393.44
& CO48 D	Lash 48 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
<b>Fiber Splicing Units</b>						
HACO(M)	Install medium aerial closure	Each		\$495.00	\$153.00	\$0.00
HACO(S)	Install small aerial closure	Each		\$420.00	\$137.00	\$0.00
HACOSP(1)(32)	Install medium aerial closure w/1 splitter	Each		\$700.00	\$173.00	\$0.00
HACOSP(2)(32)	Install medium aerial closure w/2 splitters	Each		\$710.00	\$268.00	\$0.00
HACOSP(3)(32)	Install medium aerial closure w/3 splitters	Each		\$720.00	\$364.00	\$0.00
HBFO(S)	Install small closure in HH	Each		\$420.00	\$35.00	\$0.00
HO-1	Splice & test a single fiber	Each		\$32.50	\$0.30	\$0.00
ONTHS	Install ONT Housing	Each		\$165.00	\$21.00	\$0.00
<b>Anchors, DG's &amp; OHG's</b>						
PE1-2G	Install 10M DG w/bond	Each	28	\$60.00	\$55.00	\$3,220.00
PE2-2G	Install 10M OHG w/bond	Each	1	\$80.00	\$166.00	\$246.00
PF 3-3A	Install PISA	Each		\$233.00	\$59.00	\$0.00
PF5-3A	Install rock anchor	Each		\$275.00	\$85.00	\$0.00
<b>Miscellaneous Assembly Units</b>						
PM1I	Install guy guard	Each	28	\$4.00	\$3.90	\$221.20
PM2A	Attach new strand to existing vertical ground	Each	18	\$15.00	\$6.00	\$378.00
PMSS	Place a storage loop	Each	1	\$165.00	\$48.00	\$213.00
WC-DE	Transfer Dead End	Each		\$94.00	\$17.66	\$0.00
WC-1	Move inline	Each		\$55.00	\$4.00	\$0.00
WC-2	Move Dead End	Each		\$67.00	\$9.78	\$0.00
WHACO	Re-enter splice closure	Each		\$130.00	\$58.00	\$0.00
WPE-I	Transfer phone or CATV to new anchor	Each		\$72.00	\$7.25	\$0.00
<b>Total Billing Amount</b>						<b>\$30,345.56</b>



#7

# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
8/20/2021	21VP299	Net 30

\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\*

<b>Bill To:</b>
Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable

Job Name	Job #	PO #
CLARK SUMMIT SS/ FIBER SPLICIN	21MB0038	84013

**Description:**

Quantity	Description	Unit Price	Amount
1	Please find attached, a breakdown for this invoice.	575.00	575.00

**TOTAL AMOUNT**

575.00  
- 28.75  


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546.25

**Please remit payment to:**

Thayer Power and Communication Line Construction Co.,LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
---



### BARC Unit Billing Sheet

Date Worked:	8/19/2021	WO#	84013
Customer:	Barc Electric (Vantage Point)		
Job Cost:	21MB0038		
Close PO:	Yes NO - NO		
Location:	McElwee Rd/Davis Hill		

Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BD5 pedestal	Foot		\$90.00	\$329.00	\$0.00
BFO 12	12 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO12I	Install 12 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24	24 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 24I	Install 24 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48	48 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 48I	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot		\$5.50	\$0.05	\$0.00
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO 48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48 D	Install 48 FSM w/144 FSM mentioned above	Foot		\$0.60	\$0.01	\$0.00
BHF (12x24x18)	Install traffic rated handhole	Each		\$155.00	\$35.00	\$0.00
BHIF(30x48x36)T	Install traffic rated handhole	Each		\$175.00	\$39.00	\$0.00
BM2(5/8)(8)	Install ground rod	Each		\$23.00	\$23.41	\$0.00
BM 53	Install buried fiber warning post	Each		\$41.00	\$28.18	\$0.00
BM6I(2)D	Directional bore a 2" conduit	Foot		\$9.20	\$0.27	\$0.00
BM7I	Rock trench (cable install is a separate unit)	Foot		\$35.00	\$0.40	\$0.00
BM8I	Install a 2" x 8' riser guard	Each		\$23.00	\$30.81	\$0.00
BM83	Install drop riser	Each		\$29.00	\$3.55	\$0.00
BM6I(2)DR	Directional bore a 2" conduit in rock	Foot		\$35.00	\$0.27	\$0.00
WBHF	Rearrange handhole	Each		\$245.00	\$0.00	\$0.00
XXBHF	Remove handhole	Each		\$250.00	\$75.00	\$0.00
<b>Aerial Fiber Units</b>						
CO 12	12 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 12(6M)	Place 6M strand & lash a 12 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 12(10M)	Place 10M strand & lash a 12 FSM cable	Foot		\$2.10	\$0.11	\$0.00
CO 24	24 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 24(6M)	Place 6M strand & lash a 24 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 48	48 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 48(6M)	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 144	144 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 144(6M)	Place 6M strand & lash a 144 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 288	288 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 288(6M)	Place 6M strand & lash a 288 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 48(6M)D	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 12 D	Lash 12 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO 24 D	Lash 24 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO48 D	Lash 48 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
<b>Fiber Splicing Units</b>						
HACO(M)	Install medium aerial closure	Each		\$495.00	\$153.00	\$0.00
HACO(S)	Install small aerial closure	Each		\$420.00	\$137.00	\$0.00
HACOSP(1)(32)	Install medium aerial closure w/1 splitter	Each		\$700.00	\$173.00	\$0.00
HACOSP(2)(32)	Install medium aerial closure w/2 splitters	Each		\$710.00	\$268.00	\$0.00
HACOSP(3)(32)	Install medium aerial closure w/3 splitters	Each		\$720.00	\$364.00	\$0.00
HBFO(S)	Install small closure in HH	Each		\$420.00	\$35.00	\$0.00
HO-1	Splice & test a single fiber	Each		\$32.50	\$0.30	\$0.00
ONTHS	Install ONT Housing	Each		\$165.00	\$21.00	\$0.00
<b>Anchors, DG's &amp; OHG's</b>						
PE1-2G	Install 10M DG w/bond	Each	5	\$60.00	\$55.00	\$575.00
PE2-2G	Install 10M OHG w/bond	Each		\$80.00	\$166.00	\$0.00
PF 3-3A	Install PISA	Each		\$233.00	\$59.00	\$0.00
PF5-3A	Install rock anchor	Each		\$275.00	\$85.00	\$0.00
<b>Total Billing Amount</b>						<b>\$575.00</b>



# 8

# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
8/20/2021	21VP301	Net 30

\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\*

<b>Bill To:</b>
Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable

Job Name	Job #	PO #
84004	21TN0042	84004

**Description:**

Quantity	Description	Unit Price	Amount
1	Please find attached, a breakdown for this invoice.	2,300.70	2,300.70

ITEM TOTAL	2,300.70
RETENTION	-115.04
<b>TOTAL AMOUNT</b>	<b>2,185.66</b>

**Please remit payment to:**

Thayer Power and Communication Line Construction Co.,LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
---



BARC Unit Billing Sheet						
Date Worked:	8/18/2021	WC#	84004			
Customer:	Barc Electric (Vantage Point)					
Job Cost:	21TND042					
Close PO: Yes NO - NO						
Location:	North Buffalo - 1230 Bluegrass Trail					
Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BDS pedestal	Foot		\$90.00	\$329.00	\$0.00
BFO 12	12 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO12I	Install 12 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24	24 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 24I	Install 24 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48	48 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 48I	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot		\$5.50	\$0.05	\$0.00
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO 48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48 D	Install 48 FSM w/144 FSM mentioned above	Foot		\$0.60	\$0.01	\$0.00
BHF (12x24x18)	Install traffic rated handhole	Each		\$155.00	\$35.00	\$0.00
BHF(30x48x36)T	Install traffic rated handhole	Each		\$175.00	\$39.00	\$0.00
BM2(5/8)(8)	Install ground rod	Each		\$23.00	\$23.41	\$0.00
BM 53	Install buried fiber warning post	Each		\$41.00	\$28.18	\$0.00
BM61(2)D	Directional bore a 2" conduit	Foot		\$9.20	\$0.27	\$0.00
BM7I	Rock trench (cable install is a separate unit)	Foot		\$35.00	\$0.40	\$0.00
BM8I	Install a 2" x 8' riser guard	Each		\$23.00	\$30.81	\$0.00
BM83	Install drop riser	Each	2	\$29.00	\$3.55	\$65.10
BM61(2)DR	Directional bore a 2" conduit in rock	Foot		\$35.00	\$0.27	\$0.00
WBHF	Rearrange handhole	Each		\$245.00	\$0.00	\$0.00
XXBHF	Remove handhole	Each		\$250.00	\$75.00	\$0.00
<b>Aerial Fiber Units</b>						
CO 12	12 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 12(6M)	Place 6M strand & lash a 12 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 12(10M)	Place 10M strand & lash a 12 FSM cable	Foot		\$2.10	\$0.11	\$0.00
CO 24	24 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 24(6M)	Place 6M strand & lash a 24 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 48	48 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 48(6M)	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 144	144 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 144(6M)	Place 6M strand & lash a 144 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 288	288 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 288(6M)	Place 6M strand & lash a 288 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 48(6M)D	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 12 D	Lash 12 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO 24 D	Lash 24 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO48 D	Lash 48 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
<b>Fiber Splicing Units</b>						
HACO(M)	Install medium aerial closure	Each		\$495.00	\$153.00	\$0.00
HACO(S)	Install small aerial closure	Each		\$420.00	\$137.00	\$0.00
HACOSP(1)(32)	Install medium aerial closure w/1 splitter	Each		\$700.00	\$173.00	\$0.00
HACOSP(2)(32)	Install medium aerial closure w/2 splitters	Each		\$710.00	\$268.00	\$0.00
HACOSP(3)(32)	Install medium aerial closure w/3 splitters	Each		\$720.00	\$364.00	\$0.00
HBFO(S)	Install small closure in HH	Each		\$420.00	\$35.00	\$0.00
HO-1	Splice & test a single fiber	Each		\$32.50	\$0.30	\$0.00
ONTHS	Install ONT Housing	Each		\$165.00	\$21.00	\$0.00
<b>Anchors, DG's &amp; OHG's</b>						
PE1-2G	Install 10M DG w/bond	Each		\$60.00	\$55.00	\$0.00
PE2-2G	Install 10M OHG w/bond	Each		\$80.00	\$166.00	\$0.00
PF 3-3A	Install PISA	Each		\$233.00	\$59.00	\$0.00
PF5-3A	Install rock anchor	Each		\$275.00	\$85.00	\$0.00
<b>Miscellaneous Assembly Units</b>						
PM1I	Install guy guard	Each		\$4.00	\$3.90	\$0.00
PM2A	Attach new strand to existing vertical ground	Each		\$15.00	\$6.00	\$0.00
PMSS	Place a storage loop	Each		\$165.00	\$48.00	\$0.00
WC-DE	Transfer Dead End	Each		\$94.00	\$17.66	\$0.00
WC-1	Move inline	Each		\$55.00	\$4.00	\$0.00
WC-2	Move Dead End	Each		\$94.00	\$17.66	\$0.00
WHACO	Re-enter splice closure	Each		\$130.00	\$58.00	\$0.00
WPE-1	Transfer phone or CATV to new anchor	Each		\$72.00	\$7.25	\$0.00
<b>Service Entrance Assembly Units</b>						
SEAO 4	Install aerial flat drop	Foot		\$1.00	\$0.09	\$0.00
SEAO 4(6M)	Install 6M strand & lash aerial flat drop	Foot		\$2.15	\$0.18	\$0.00
SEBO 4	Install buried flat drop	Foot	972	\$2.25	\$0.05	\$2,135.60
<b>Total Billing Amount</b>						<b>\$2,300.70</b>



#9

# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
8/27/2021	21VP242A	Net 30

\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\*

<b>Bill To:</b>
Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable

Job Name	Job #	PO #
84004	21TN0042	

**Description:**

Quantity	Description	Unit Price	Amount
1	Please find attached, a breakdown for this invoice.	30,166.58	30,166.58

ITEM TOTAL	30,166.58
RETENTION	-1,508.33
<b>TOTAL AMOUNT</b>	<b>28,658.25</b>

**Please remit payment to:**

Thayer Power and Communication Line Construction Co.,LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
---

BARC Unit Billing Sheet						
Date Worked:	6/17/21 to 6/24/21		WO#	84004		
Customer:	Barc Electric (Vantage Point)					
Job Cost:	21TNO042					
Close PO:	Yes NO - NO					
Location:	North Buffalo 1230 Bluegrass Trail					
Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BD5 pedestal	Foot		\$90.00	\$329.00	\$0.00
BFO 12	12 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO12I	Install 12 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24	24 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 24I	Install 24 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48	48 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 48I	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot		\$5.50	\$0.05	\$0.00
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO 48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48 D	Install 48 FSM w/144 FSM mentioned above	Foot		\$0.60	\$0.01	\$0.00
BHF(30x48x36)T	Install traffic rated handhole	Each		\$175.00	\$39.00	\$0.00
BM2(5/8)x8)	Install ground rod	Each		\$23.00	\$23.41	\$0.00
BM 33	Install buried fiber warning post	Each		\$41.00	\$28.18	\$0.00
BM61(2)D	Directional bore a 2" conduit	Foot		\$9.20	\$0.27	\$0.00
BM71	Rock trench (cable install is a separate unit)	Foot		\$35.00	\$0.40	\$0.00
BM81	Install a 2" x 8' riser guard	Each	5	\$23.00	\$30.81	\$269.05
BM83	Install drop riser	Each		\$29.00	\$3.55	\$0.00
BM61(2)DR	Directional bore a 2" conduit in rock	Foot		\$35.00	\$0.27	\$0.00
<b>Aerial Fiber Units</b>						
CO 12	12 FSM coil/slack	Foot	120	\$1.05	\$0.03	\$129.60
CO 12(6M)	Place 6M strand & lash a 12 FSM cable	Foot	1850	\$2.05	\$0.09	\$3,959.00
CO 12(10M)	Place 10M strand & lash a 12 FSM cable	Foot		\$2.10	\$0.11	\$0.00
CO 24	24 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 24(6M)	Place 6M strand & lash a 24 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 48	48 FSM coil/slack	Foot	920	\$1.05	\$0.03	\$993.60
CO 48(6M)	Place 6M strand & lash a 48 FSM cable	Foot	8160	\$2.05	\$0.09	\$17,462.40
CO 144	144 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 144(6M)	Place 6M strand & lash a 144 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 288	288 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 288(6M)	Place 6M strand & lash a 288 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 48(6M)D	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 12 D	Lash 12 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO 24 D	Lash 24 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO48 D	Lash 48 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
<b>Fiber Splicing Units</b>						
HACO(M)	Install medium aerial closure	Each		\$495.00	\$153.00	\$0.00
HACO(S)	Install small aerial closure	Each		\$420.00	\$137.00	\$0.00
HACOSP(1)(32)	Install medium aerial closure w/1 splitter	Each		\$700.00	\$173.00	\$0.00
HACOSP(2)(32)	Install medium aerial closure w/2 splitters	Each		\$710.00	\$268.00	\$0.00
HACOSP(3)(32)	Install medium aerial closure w/3 splitters	Each		\$720.00	\$364.00	\$0.00
HBFO(S)	Install small closure in HH	Each		\$420.00	\$35.00	\$0.00
HO-1	Splice & test a single fiber	Each		\$32.50	\$0.30	\$0.00
ONTHS	Install ONT Housing	Each		\$165.00	\$21.00	\$0.00
<b>Anchors, DG's &amp; OHG's</b>						
PE1-2G	Install 10M DG w/bond	Each	36	\$60.00	\$55.00	\$4,140.00
PE2-2G	Install 10M OHG w/bond	Each	3	\$80.00	\$166.00	\$738.00
PF 3-3A	Install PISA	Each		\$233.00	\$59.00	\$0.00
PF5-3A	Install rock anchor	Each		\$275.00	\$85.00	\$0.00
<b>Miscellaneous Assembly Units</b>						
PM1I	Install guy guard	Each	36	\$4.00	\$3.90	\$284.40
PM2A	Attach new strand to existing vertical ground	Each	12	\$15.00	\$6.00	\$252.00
PMSS	Place a storage loop	Each		\$165.00	\$48.00	\$0.00
WC-DE	Transfer Dead End	Each	2	\$94.00	\$17.66	\$223.32
WC-1	Move inline	Each	11	\$55.00	\$4.00	\$669.00
WC-2	Move Dead End	Each	6	\$94.00	\$17.66	\$669.96
WHACO	Re-enter splice closure	Each		\$130.00	\$58.00	\$0.00
WPE-1	Transfer phone or CATV to new anchor	Each	5	\$72.00	\$7.25	\$396.25
<b>Total Billing Amount</b>						<b>\$30,166.58</b>



# 10

**Invoice**12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
8/27/2021	21VP247A	Net 30

\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\*

**Bill To:**Barc Electric Cooperative  
P.O. Box 264  
Millboro, VA 24460-0264  
Attn: Accounts Payable

Job Name	Job #	PO #
84004	21TN0042	

**Description:**

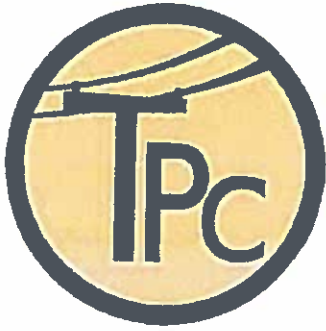
Quantity	Description	Unit Price	Amount
1	Please find attached, a breakdown for this invoice.	37,552.08	37,552.08

ITEM TOTAL 37,552.08

RETENTION -1,877.60

**TOTAL AMOUNT 35,674.48****Please remit payment to:**Thayer Power and Communication  
Line Construction Co.,LLC  
12345 Worthington Rd NW  
Pataskala, OH 43062  
(740) 927-0021

BARC Unit Billing Sheet						
Data Worked:	8/24/21 to 8/30/21	WO#	84004			
Customer:	Barc Electric (Vantage Point)					
Job Cost:	21TN0042					
Close PO: Yes NO - NO						
Location:	North Buffalo 1230 Bluegrass Trail					
Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BD5 pedestal	Foot		\$90.00	\$329.00	\$0.00
BFO 12	12 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO12I	Install 12 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24	24 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 24I	Install 24 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48	48 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 48I	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot		\$5.50	\$0.05	\$0.00
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO 48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48 D	Install 48 FSM w/144 FSM mentioned above	Foot		\$0.60	\$0.01	\$0.00
BHF(30x48x36)T	Install traffic rated handhole	Each		\$175.00	\$39.00	\$0.00
BM2(5/8)(8)	Install ground rod	Each		\$23.00	\$23.41	\$0.00
BM 53	Install buried fiber warning post	Each		\$41.00	\$28.18	\$0.00
BM61(2)D	Directional bore a 2" conduit	Foot		\$9.20	\$0.27	\$0.00
BM7I	Rock trench (cable install is a separate unit)	Foot		\$35.00	\$0.40	\$0.00
BM8I	Install a 2" x 8" riser guard	Each	10	\$23.00	\$30.81	\$538.10
BM83	Install drop riser	Each		\$29.00	\$3.55	\$0.00
BM61(2)DR	Directional bore a 2" conduit in rock	Foot		\$35.00	\$0.27	\$0.00
<b>Aerial Fiber Units</b>						
CO 12	12 FSM coil/slack	Foot	600	\$1.05	\$0.03	\$648.00
CO 12(6M)	Place 6M strand & lash a 12 FSM cable	Foot	6884	\$2.05	\$0.09	\$14,731.76
CO 12(10M)	Place 10M strand & lash a 12 FSM cable	Foot		\$2.10	\$0.11	\$0.00
CO 24	24 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 24(6M)	Place 6M strand & lash a 24 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 48	48 FSM coil/slack	Foot	120	\$1.05	\$0.03	\$129.60
CO 48(6M)	Place 6M strand & lash a 48 FSM cable	Foot	4150	\$2.05	\$0.09	\$8,881.00
CO 144	144 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 144(6M)	Place 6M strand & lash a 144 FSM cable	Foot	2926	\$2.05	\$0.09	\$6,261.64
CO 288	288 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 288(6M)	Place 6M strand & lash a 288 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 48(6M)D	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 12 D	Lash 12 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO 24 D	Lash 24 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO 48 D	Lash 48 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
<b>Fiber Splicing Units</b>						
HACO(M)	Install medium aerial closure	Each		\$495.00	\$153.00	\$0.00
HACO(S)	Install small aerial closure	Each		\$420.00	\$137.00	\$0.00
HACOSP(1)(32)	Install medium aerial closure w/1 splitter	Each		\$700.00	\$173.00	\$0.00
HACOSP(2)(32)	Install medium aerial closure w/2 splitters	Each		\$710.00	\$268.00	\$0.00
HACOSP(3)(32)	Install medium aerial closure w/3 splitters	Each		\$720.00	\$364.00	\$0.00
HBFO(S)	Install small closure in HH	Each		\$420.00	\$35.00	\$0.00
HO-1	Splice & test a single fiber	Each		\$32.50	\$0.30	\$0.00
ONTHS	Install ONT Housing	Each		\$165.00	\$21.00	\$0.00
<b>Anchors, DG's &amp; OHG's</b>						
PE1-2G	Install 10M DG w/bond	Each	26	\$60.00	\$55.00	\$2,990.00
PE2-2G	Install 10M OHG w/bond	Each	1	\$80.00	\$166.00	\$246.00
PF 3-3A	Install PISA	Each		\$233.00	\$59.00	\$0.00
PF5-3A	Install rock anchor	Each		\$275.00	\$85.00	\$0.00
<b>Miscellaneous Assembly Units</b>						
PM1I	Install guy guard	Each	26	\$4.00	\$3.90	\$205.40
PM2A	Attach new strand to existing vertical ground	Each	38	\$15.00	\$6.00	\$798.00
PMSS	Place a storage loop	Each		\$165.00	\$48.00	\$0.00
WC-DE	Transfer Dead End	Each		\$94.00	\$17.66	\$0.00
WC-1	Move inline	Each	6	\$55.00	\$4.00	\$354.00
WC-2	Move Dead End	Each	13	\$94.00	\$17.66	\$1,451.58
WHACO	Re-enter splice closure	Each		\$130.00	\$58.00	\$0.00
WPE-1	Transfer phone or CATV to new anchor	Each	4	\$72.00	\$7.25	\$317.00
<b>Total Billing Amount</b>						<b>\$37,552.08</b>



# 11

# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
8/27/2021	21VP278A	Net 30

\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\*

<b>Bill To:</b>
Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable

Job Name	Job #	PO #
84004	21TN0042	

**Description:**

Quantity	Description	Unit Price	Amount
1	Please find attached, a breakdown for this invoice.	82,420.45	82,420.45

ITEM TOTAL	82,420.45
RETENTION	-4,121.02
<b>TOTAL AMOUNT</b>	<b>78,299.43</b>

**Please remit payment to:**

Thayer Power and Communication Line Construction Co., LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
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**BARC Unit Billing Sheet**

Date Worked: 7/15/21 to 7/21/21      WO# 84004  
 Customer: Barc Electric (Vantage Point)  
 Job Cost: 21TND042  
 Close PO: Yes NO - NO  
 Location: North Buffalo - 1230 Bluegrass Trail

Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BDO5 pedestal	Foot		\$90.00	\$329.00	\$0.00
BFO 12	12 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO12I	Install 12 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24	24 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 24I	Install 24 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48	48 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 48I	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot	1595	\$5.50	\$0.05	\$8,852.25
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO 48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48 D	Install 48 FSM w/144 FSM mentioned above	Foot		\$0.60	\$0.01	\$0.00
BHF(30x48x36)T	Install traffic rated handhole	Each		\$175.00	\$39.00	\$0.00
BM2(5/8)(8)	Install ground rod	Each		\$23.00	\$23.41	\$0.00
BM 53	Install buried fiber warning post	Each		\$41.00	\$28.18	\$0.00
BM61(2)D	Directional bore a 2" conduit	Foot	1340	\$9.20	\$0.27	\$12,689.80
BM71	Rock trench (cable install is a separate unit)	Foot		\$35.00	\$0.40	\$0.00
BM81	Install a 2" x 8' riser guard	Each	25	\$23.00	\$30.81	\$1,345.25
BM83	Install drop riser	Each		\$29.00	\$3.55	\$0.00
BM61(2)DR	Directional bore a 2" conduit in rock	Foot	255	\$35.00	\$0.27	\$8,993.85
<b>Aerial Fiber Units</b>						
CO 12	12 FSM coil/slack	Foot	260	\$1.05	\$0.03	\$288.80
CO 12(6M)	Place 6M strand & lash a 12 FSM cable	Foot	5120	\$2.05	\$0.09	\$10,956.80
CO 12(10M)	Place 10M strand & lash a 12 FSM cable	Foot		\$2.10	\$0.11	\$0.00
CO 24	24 FSM coil/slack	Foot	1180	\$1.05	\$0.03	\$1,274.40
CO 24(6M)	Place 6M strand & lash a 24 FSM cable	Foot	1660	\$2.05	\$0.09	\$3,552.40
CO 48	48 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 48(6M)	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 144	144 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 144(6M)	Place 6M strand & lash a 144 FSM cable	Foot	6600	\$2.05	\$0.09	\$14,124.00
CO 288	288 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 288(6M)	Place 6M strand & lash a 288 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 48(6M)D	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 12 D	Lash 12 FSM w/another cable	Foot	3610	\$1.05	\$0.03	\$3,898.80
& CO 24 D	Lash 24 FSM w/another cable	Foot	12758	\$1.05	\$0.03	\$13,778.64
& CO48 D	Lash 48 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
<b>Fiber Splicing Units</b>						
HACO(M)	Install medium aerial closure	Each		\$495.00	\$153.00	\$0.00
HACO(S)	Install small aerial closure	Each		\$420.00	\$137.00	\$0.00
HACOSP(1)(32)	Install medium aerial closure w/1 splitter	Each		\$700.00	\$173.00	\$0.00
HACOSP(2)(32)	Install medium aerial closure w/2 splitters	Each		\$710.00	\$268.00	\$0.00
HACOSP(3)(32)	Install medium aerial closure w/3 splitters	Each		\$720.00	\$364.00	\$0.00
HBFO(S)	Install small closure in HH	Each		\$420.00	\$35.00	\$0.00
HO-1	Splice & test a single fiber	Each		\$32.50	\$0.30	\$0.00
ONTHS	Install ONT Housing	Each		\$165.00	\$21.00	\$0.00
<b>Anchors, DG's &amp; OHG's</b>						
PE1-2G	Install 10M DG w/bond	Each	12	\$60.00	\$55.00	\$1,380.00
PE2-2G	Install 10M OHG w/bond	Each	1	\$80.00	\$166.00	\$246.00
PF 3-3A	Install PISA	Each		\$233.00	\$39.00	\$0.00
PF5-3A	Install rock anchor	Each		\$275.00	\$85.00	\$0.00
<b>Miscellaneous Assembly Units</b>						
PM1I	Install guy guard	Each	12	\$4.00	\$3.90	\$94.80
PM2A	Attach new strand to existing vertical ground	Each	26	\$15.00	\$6.00	\$546.00
PMSS	Place a storage loop	Each		\$165.00	\$48.00	\$0.00
WC-DE	Transfer Dead End	Each		\$94.00	\$17.66	\$0.00
WC-1	Move inline	Each	5	\$55.00	\$4.00	\$295.00
WC-2	Move Dead End	Each	1	\$94.00	\$17.66	\$111.66
WHACO	Re-enter splice closure	Each		\$130.00	\$58.00	\$0.00
WPE-1	Transfer phone or CATV to new anchor	Each		\$72.00	\$7.25	\$0.00
<b>Total Billing Amount</b>						<b>\$82,420.45</b>



#12

# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
6/24/2021	21VP240	Net 30

\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\*

**Bill To:**

Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable
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Job Name	Job #	PO #
184	21TN0023	

**Description:**

Quantity	Description	Unit Price	Amount
1	Attached is a breakdown of this invoice	751.00	751.00

ITEM TOTAL	751.00
RETENTION	-37.55
<b>TOTAL AMOUNT</b>	<b>713.45</b>

**Please remit payment to:**

Thayer Power and Communication Line Construction Co.,LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
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### BARC Unit Billing Sheet

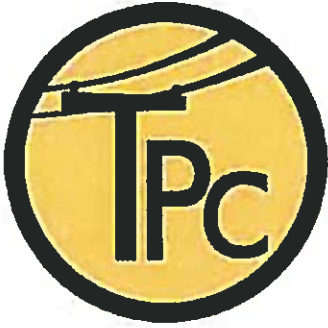
Date Worked:	6/22/2021	WO#	( 70001 )	
Customer:	Barc Electric (Vantage Point)			
Job Cost:	21TN0023			

Close PO: Yes NO - NO

Location: Downtown Residential

Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BD5 pedestal	Foot		\$90.00	\$329.00	\$0.00
BFO 12	12 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO12I	Install 12 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24	24 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 24I	Install 24 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48	48 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 48I	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot	50	\$5.50	\$0.05	\$277.50
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO 48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48 D	Install 48 FSM w/144 FSM mentioned above	Foot		\$0.60	\$0.01	\$0.00
BHF(30x48x36)T	Install traffic rated handhole	Each		\$175.00	\$39.00	\$0.00
BM2(5/8)(8)	Install ground rod	Each		\$23.00	\$23.41	\$0.00
BM 53	Install buried fiber warning post	Each		\$41.00	\$28.18	\$0.00
BM61(2)D	Directional bore a 2" conduit	Foot	50	\$9.20	\$0.27	\$473.50
BM71	Rock trench (cable install is a separate unit)	Foot		\$35.00	\$0.40	\$0.00
BM81	Install a 2" x 8' riser guard	Each		\$23.00	\$30.81	\$0.00
BM83	Install drop riser	Each		\$29.00	\$3.55	\$0.00
BM61(2)DR	Directional bore a 2" conduit in rock	Foot		\$35.00	\$0.27	\$0.00

<b>Total Billing Amount</b>	<b>\$751.00</b>
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# 13

# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
6/30/2021	21VP249	Net 30

**\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\***

<b>Bill To:</b>
Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable

Job Name	Job #	PO #
82548	21TN0035	

**Description:**

Quantity	Description	Unit Price	Amount
1	Attached is a breakdown of this invoice	439.60	439.60

ITEM TOTAL	439.60
RETENTION	-21.98
<b>TOTAL AMOUNT</b>	<b>417.62</b>

**Please remit payment to:**

Thayer Power and Communication Line Construction Co., LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
--

BARC Unit Billing Sheet						
Date Worked:	6/5/2021	WO#	70008			
Customer:	Barc Electric (Vantage Point)					
Job Cost:	21TN0035					
Close PO: Yes NO - NO						
Location:	Fairfield					
Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BD05	Install BD5 pedestal	Foot		\$90.00	\$329.00	\$0.00
BFO 12	12 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO12I	Install 12 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24	24 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 24I	Install 24 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48	48 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 48I	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot		\$5.50	\$0.05	\$0.00
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO 48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48 D	Install 48 FSM w/144 FSM mentioned above	Foot		\$0.60	\$0.01	\$0.00
BHF(30x48x36)T	Install traffic rated handhole	Each		\$175.00	\$39.00	\$0.00
BM2(5/8)(8)	Install ground rod	Each		\$23.00	\$23.41	\$0.00
BM 53	Install buried fiber warning post	Each		\$41.00	\$28.18	\$0.00
BM61(2)D	Directional bore a 2" conduit	Foot		\$9.20	\$0.27	\$0.00
BM71	Rock trench (cable install is a separate unit)	Foot		\$35.00	\$0.40	\$0.00
BM81	Install a 2" x 8' riser guard	Each		\$23.00	\$30.81	\$0.00
BM83	Install drop riser	Each		\$29.00	\$3.55	\$0.00
BM61(2)DR	Directional bore a 2" conduit in rock	Foot		\$35.00	\$0.27	\$0.00
<b>Aerial Fiber Units</b>						
CO 12	12 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 12(6M)	Place 6M strand & lash a 12 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 12(10M)	Place 10M strand & lash a 12 FSM cable	Foot		\$2.10	\$0.11	\$0.00
CO 24	24 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 24(6M)	Place 6M strand & lash a 24 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 48	48 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 48(6M)	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 144	144 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 144(6M)	Place 6M strand & lash a 144 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 288	288 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 288(6M)	Place 6M strand & lash a 288 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 48(6M)D	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 12 D	Lash 12 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO 24 D	Lash 24 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO48 D	Lash 48 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
<b>Fiber Splicing Units</b>						
HACO(M)	Install medium aerial closure	Each		\$495.00	\$153.00	\$0.00
HACO(S)	Install small aerial closure	Each		\$420.00	\$137.00	\$0.00
HACOSP(1)(32)	Install medium aerial closure w/1 splitter	Each		\$700.00	\$173.00	\$0.00
HACOSP(2)(32)	Install medium aerial closure w/2 splitters	Each		\$710.00	\$268.00	\$0.00
HACOSP(3)(32)	Install medium aerial closure w/3 splitters	Each		\$720.00	\$364.00	\$0.00
HBFO(S)	Install small closure in HH	Each		\$420.00	\$35.00	\$0.00
HO-1	Splice & test a single fiber	Each	2	\$32.50	\$0.30	\$65.00
ONTHS	Install ONT Housing	Each	1	\$165.00	\$21.00	\$186.00
<b>Anchor, DG's &amp; OHG's</b>						
PE1-2G	Install 10M DG w/bond	Each		\$60.00	\$55.00	\$0.00
PE2-2G	Install 10M OHG w/bond	Each		\$80.00	\$166.00	\$0.00
PF 3-3A	Install PISA	Each		\$233.00	\$59.00	\$0.00
PF5-3A	Install rock anchor	Each		\$275.00	\$85.00	\$0.00
<b>Miscellaneous Assembly Units</b>						
PM11	Install guy guard	Each		\$4.00	\$3.90	\$0.00
PM2A	Attach new strand to existing vertical ground	Each		\$15.00	\$6.00	\$0.00
PMSS	Place a storage loop	Each		\$165.00	\$48.00	\$0.00
WC-DE	Transfer Dead End	Each		\$94.00	\$17.66	\$0.00
WC-1	Move inline	Each		\$55.00	\$4.00	\$0.00
WC-2	Move Dead End	Each		\$67.00	\$9.78	\$0.00
WHACO	Re-enter splice closure	Each	1	\$130.00	\$58.00	\$188.00
WPE-1	Transfer phone or CATV to new anchor	Each		\$72.00	\$7.25	\$0.00
<b>Total Billing Amount</b>						<b>\$439.60</b>



# 14

# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
6/30/2021	21VP252	Net 30

\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\*

<b>Bill To:</b>
Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable

Job Name	Job #	PO #
184	21TN0023	

**Description:**

Quantity	Description	Unit Price	Amount
1	Attached is a breakdown of this invoice	52,551.66	52,551.66

ITEM TOTAL	52,551.66
RETENTION	-2,627.58
<b>TOTAL AMOUNT</b>	<b>49,924.08</b>

**Please remit payment to:**

Thayer Power and Communication Line Construction Co.,LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
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BARC Unit Billing Sheet						
Date Worked:	4/26/21 to 6/28/21	WO#	70001			
Customer:	Barc Electric (Vantage Point)					
Job Cost:	21TN0023					
Close PO: Yes	NO - NO					
Location:	Downtown Residential					
Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BD5 pedestal	Foot		\$90.00	\$329.00	\$8.00
BFO 12	12 FSM loops/slack	Foot	1380	\$4.20	\$0.03	\$5,865.00
BFO12I	Install 12 FSM in innerduct	Foot	2096	\$1.15	\$0.08	\$2,578.08
BFO 24	24 FSM loops/slack	Foot	170	\$4.20	\$0.05	\$722.50
BFO 24I	Install 24 FSM in innerduct	Foot	472	\$1.15	\$0.08	\$580.56
BFO 48	48 FSM loops/slack	Foot	1846	\$4.20	\$0.05	\$7,845.50
BFO 48I	Install 48 FSM in innerduct	Foot	940	\$1.15	\$0.08	\$1,156.20
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot		\$5.50	\$0.05	\$0.00
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO 48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BHF (12x24x18)T	Place handhole	Each	4	\$155.00	\$35.00	\$760.00
BHF(30x48x36)T	Install traffic rated handhole	Each	32	\$175.00	\$39.00	\$6,448.00
BM2(3/8)B	Install ground rod	Each	27	\$23.00	\$23.41	\$1,253.07
WBHF	Rearrange handhole	Each	5	\$245.00	\$0.00	\$1,225.00
XCBHF	Remove handhole	Foot	3	\$325.00	\$0.00	\$975.00
BM71	Rock trench (cable install is a separate unit)	Foot	4	\$35.00	\$0.40	\$141.60
BM73	Restore concrete/asphalt	Each	640	\$22.00	\$12.25	\$21,920.00
BM83	Install drop riser	Each	1	\$29.00	\$3.55	\$32.55
BM61(2)DR	Directional bore a 2" conduit in rock	Foot		\$35.00	\$0.27	\$0.00
<b>Aerial Fiber Units</b>						
CO 12	12 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 12(6M)	Place 6M strand & lash a 12 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 12(10M)	Place 10M strand & lash a 12 FSM cable	Foot		\$2.10	\$0.11	\$0.00
CO 24	24 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 24(6M)	Place 6M strand & lash a 24 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 48	48 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 48(6M)	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 144	144 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 144(6M)	Place 6M strand & lash a 144 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 288	288 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 288(6M)	Place 6M strand & lash a 288 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 48(6M)D	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 12 D	Lash 12 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO 24 D	Lash 24 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO48 D	Lash 48 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
<b>Fiber Splicing Units</b>						
HACO(M)	Install medium aerial closure	Each		\$495.00	\$133.00	\$0.00
HACO(S)	Install small aerial closure	Each		\$420.00	\$137.00	\$0.00
HACOSP(1)(32)	Install medium aerial closure w/1 splitter	Each		\$700.00	\$173.00	\$0.00
HACOSP(2)(32)	Install medium aerial closure w/2 splitters	Each		\$710.00	\$268.00	\$0.00
HACOSP(3)(32)	Install medium aerial closure w/3 splitters	Each		\$720.00	\$364.00	\$0.00
HBFO(S)	Install small closure in HH	Each		\$420.00	\$35.00	\$0.00
HO-1	Splice & test a single fiber	Each		\$32.50	\$0.30	\$0.00
ONTHS	Install ONT Housing	Each		\$165.00	\$21.00	\$0.00
<b>Anchor, DG's &amp; OHG's</b>						
PE1-2G	Install 10M DG w/bond	Each		\$60.00	\$55.00	\$0.00
PE2-2G	Install 10M OHG w/bond	Each		\$80.00	\$166.00	\$0.00
PF 3-3A	Install PISA	Each		\$233.00	\$39.00	\$0.00
PF5-3A	Install rock anchor	Each		\$275.00	\$85.00	\$0.00
<b>Miscellaneous Assembly Units</b>						
PM11	Install guy guard	Each		\$4.00	\$3.90	\$0.00
PM2A	Attach new strand to existing vertical ground	Each		\$15.00	\$6.00	\$0.00
PMSS	Place a storage loop	Each		\$165.00	\$48.00	\$0.00
WC-DE	Transfer Dead End	Each		\$94.00	\$17.66	\$0.00
WC-1	Move inline	Each		\$55.00	\$4.00	\$0.00
WC-2	Move Dead End	Each		\$67.00	\$9.78	\$0.00
WHACO	Re-enter splice closure	Each		\$130.00	\$58.00	\$0.00
WPE-1	Transfer phone or CATV to new anchor	Each		\$72.00	\$7.25	\$0.00
<b>Service Entrance Assembly Units</b>						
SEAO 4	Install aerial flat drop	Foot		\$1.00	\$0.09	\$0.00
SEAO 4(6M)	Install 6M strand & lash aerial flat drop	Foot		\$2.15	\$0.18	\$0.00
SEBO 4	Install buried flat drop	Foot	282	\$2.25	\$0.05	\$648.90
<b>Total Billing Amount</b>						<b>\$52,551.66</b>



#15

# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
7/9/2021	21VP263	Net 30

\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\*

<b>Bill To:</b>
Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable

Job Name	Job #	PO #
184	21TN0023	

### Description:

Quantity	Description	Unit Price	Amount
1	Attached is a breakdown of this invoice	553.43	553.43

ITEM TOTAL	553.43
RETENTION	-27.67
<b>TOTAL AMOUNT</b>	<b>525.76</b>

### Please remit payment to:

Thayer Power and Communication Line Construction Co.,LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
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BARC Unit Billing Sheet						
Date Worked:	7/7/2021	WOM	70001			
Customer:	Barc Electric (Vantage Point)					
Job Cost:	21TN0023					
Close PO:	Yes NO - NO					
Location:	Downtown Residential					
Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BD5 pedestal	Foot		\$90.00	\$329.00	\$0.00
BFO 12	12 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO12I	Install 12 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24	24 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 24I	Install 24 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48	48 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 48I	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot		\$5.50	\$0.05	\$0.00
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO 48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48 D	Install 48 FSM w/144 FSM mentioned above	Foot		\$0.60	\$0.01	\$0.00
BHF(30x48x36)T	Install traffic rated handhole	Each		\$175.00	\$39.00	\$0.00
BM2(5/8)X8	Install ground rod	Each		\$23.00	\$23.41	\$0.00
BM 53	Install buried fiber warning post	Each		\$41.00	\$28.18	\$0.00
BM61(2)D	Directional bore a 2" conduit	Foot	4	\$9.20	\$0.27	\$37.88
BM71	Rock trench (cable install is a separate unit)	Foot		\$35.00	\$0.40	\$0.00
BM81	Install a 2" x 8' riser guard	Each		\$23.00	\$30.81	\$0.00
BM83	Install drop riser	Each	1	\$29.00	\$3.55	\$32.55
BM61(2)DR	Directional bore a 2" conduit in rock	Foot		\$35.00	\$0.27	\$0.00
<b>Aerial/Fiber Units</b>						
CO 12	12 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 12(6M)	Place 6M strand & lash a 12 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 12(10M)	Place 10M strand & lash a 12 FSM cable	Foot		\$2.10	\$0.11	\$0.00
CO 24	24 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 24(6M)	Place 6M strand & lash a 24 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 48	48 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 48(6M)	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 144	144 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 144(6M)	Place 6M strand & lash a 144 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 288	288 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 288(6M)	Place 6M strand & lash a 288 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 48(6M)D	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 12 D	Lash 12 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO 24 D	Lash 24 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO48 D	Lash 48 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
<b>Fiber Splicing Units</b>						
HACO(M)	Install medium aerial closure	Each		\$495.00	\$153.00	\$0.00
HACO(S)	Install small aerial closure	Each		\$420.00	\$137.00	\$0.00
HACOSP(1)X32	Install medium aerial closure w/1 splitter	Each		\$700.00	\$173.00	\$0.00
HACOSP(2)X32	Install medium aerial closure w/2 splitters	Each		\$710.00	\$268.00	\$0.00
HACOSP(3)X32	Install medium aerial closure w/3 splitters	Each		\$720.00	\$364.00	\$0.00
HBFO(S)	Install small closure in HH	Each		\$420.00	\$35.00	\$0.00
HO-1	Splice & test a single fiber	Each		\$32.50	\$0.30	\$0.00
ONTHS	Install ONT Housing	Each		\$165.00	\$21.00	\$0.00
<b>Anchors, DG's &amp; OHG's</b>						
PE1-2G	Install 10M DG w/bond	Each		\$60.00	\$55.00	\$0.00
PE2-2G	Install 10M OHG w/bond	Each		\$80.00	\$166.00	\$0.00
PF 3-3A	Install PISA	Each		\$233.00	\$59.00	\$0.00
PF3-3A	Install rock anchor	Each		\$275.00	\$85.00	\$0.00
<b>Miscellaneous Assembly Units</b>						
PM11	Install guy guard	Each		\$4.00	\$3.90	\$0.00
PM2A	Attach new strand to existing vertical ground	Each		\$15.00	\$6.00	\$0.00
PMSS	Place a storage loop	Each		\$165.00	\$48.00	\$0.00
WC-DE	Transfer Dead End	Each		\$94.00	\$17.66	\$0.00
WC-1	Move inline	Each		\$55.00	\$4.00	\$0.00
WC-2	Move Dead End	Each		\$67.00	\$9.78	\$0.00
WHACO	Re-enter splice closure	Each		\$130.00	\$58.00	\$0.00
WPE-1	Transfer phone or CATV to new anchor	Each		\$72.00	\$7.25	\$0.00
<b>Service Entrance Assembly Units</b>						
SEAO 4	Install aerial flat drop	Foot		\$1.00	\$0.09	\$0.00
SEAO 4(6M)	Install 6M strand & lash aerial flat drop	Foot		\$2.15	\$0.18	\$0.00
SEBO 4	Install buried flat drop	Foot	210	\$2.25	\$0.05	\$483.00
<b>Total Billing Amount</b>						<b>\$553.43</b>





#16

# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
7/15/2021	21VP265	Net 30

**\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\***

<b>Bill To:</b>
Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable

Job Name	Job #	PO #
82548	21TN0035	

**Description:**

Quantity	Description	Unit Price	Amount
1	Attached is a breakdown of this invoice	4,812.41	4,812.41

ITEM TOTAL	4,812.41
RETENTION	-240.62
<b>TOTAL AMOUNT</b>	<b>4,571.79</b>

**Please remit payment to:**

Thayer Power and Communication Line Construction Co.,LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
---

### BARC Unit Billing Sheet

Date Worked:	7/14/2021	WO#	70008	
Customer:	Barc Electric (Vantage Point)			
Job Cost:	21TN0035			
Close PO: Yes NO - NO				
Location:	Fairfield			

Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BD5 pedestal	Foot		\$90.00	\$329.00	\$0.00
BFO 12	12 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO12I	Install 12 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24	24 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 24I	Install 24 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48	48 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 48I	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot	200	\$5.50	\$0.05	\$1,110.00
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO 48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48 D	Install 48 FSM w/144 FSM mentioned above	Foot		\$0.60	\$0.01	\$0.00
BHF(30x48x36)T	Install traffic rated handhole	Each	1	\$175.00	\$39.00	\$214.00
BM2(5/8)(8)	Install ground rod	Each	1	\$23.00	\$23.41	\$46.41
BM 53	Install buried fiber warning post	Each		\$41.00	\$28.18	\$0.00
BM61(2)D	Directional bore a 2" conduit	Foot	140	\$9.20	\$0.27	\$1,325.80
BM71	Rock trench (cable install is a separate unit)	Foot		\$35.00	\$0.40	\$0.00
BM81	Install a 2" x 8' riser guard	Each		\$23.00	\$30.81	\$0.00
BM83	Install drop riser	Each		\$29.00	\$3.55	\$0.00
BM61(2)DR	Directional bore a 2" conduit in rock	Foot	60	\$35.00	\$0.27	\$2,116.20
<b>Total Billing Amount</b>						<b>\$4,812.41</b>



#17

# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
7/15/2021	21VP272	Net 30

\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\*

<b>Bill To:</b>
Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable

Job Name	Job #	PO #
184	21TN0023	

### Description:

Quantity	Description	Unit Price	Amount
1	Attached is a breakdown of this invoice	18,088.22	18,088.22

ITEM TOTAL	18,088.22
RETENTION	-904.41
<b>TOTAL AMOUNT</b>	<b>17,183.81</b>

### Please remit payment to:

Thayer Power and Communication Line Construction Co.,LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
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### BARC Unit Billing Sheet

Date Worked:	7/11/2021	WO#	70001
Customer:	Barc Electric (Vantage Point)		
Job Cost:	21TN0023		
Close PO:	Yes NO - NO		
Location:			

Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BD5 pedestal	Foot		\$90.00	\$329.00	\$0.00
BFO 12	12 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO12I	Install 12 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24	24 FSM loops/slack	Foot	738	\$4.20	\$0.05	\$3,136.50
BFO 24I	Install 24 FSM in innerduct	Foot	460	\$1.15	\$0.08	\$565.80
BFO 48	48 FSM loops/slack	Foot	1352	\$4.20	\$0.05	\$5,746.00
BFO 48I	Install 48 FSM in innerduct	Foot	760	\$1.15	\$0.08	\$934.80
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot		\$5.50	\$0.05	\$0.00
BFOV(2x1.25)	Install two 1.25" innerducts	Foot	40	\$7.25	\$0.05	\$292.00
BFO 48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BHF(12c24x18)	Install traffic rated hadhole	Each	2	\$155.00	\$35.00	\$380.00
BHF(30x48x36)T	Install ttraffic rated handhole	Each	11	\$175.00	\$39.00	\$2,354.00
BM2(5/8)(8)	Install ground rod	Each	7	\$23.00	\$23.41	\$324.87
WBHF	Rearrange handhole	Each	1	\$245.00	\$0.00	\$245.00
XXBHF	Remove handhole	Each	2	\$250.00	\$75.00	\$650.00
BM73	Restore concrete/asphalt	Foot	101	\$22.00	\$12.25	\$3,459.25
BM81	Install a 2" x 8' riser guard	Each		\$23.00	\$30.81	\$0.00
BM83	Install drop riser	Each		\$29.00	\$3.55	\$0.00
BM61(2)DR	Directional bore a 2" conduit in rock	Foot		\$35.00	\$0.27	\$0.00
<b>Total Billing Amount</b>						<b>\$18,088.22</b>



# 18

# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
7/22/2021	21VP274	Net 30

\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\*

<b>Bill To:</b>
Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable

Job Name	Job #	PO #
184	21TN0023	

**Description:**

Quantity	Description	Unit Price	Amount
1	Attached is a breakdown of this invoice	675.90	675.90

ITEM TOTAL	675.90
RETENTION	-33.80
<b>TOTAL AMOUNT</b>	<b>642.10</b>

**Please remit payment to:**

Thayer Power and Communication Line Construction Co.,LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
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**BARC Unit Billing Sheet**

Date Worked:	7/19/2021	WO#	70001
Customer:	Barc Electric (Vantage Point)		
Job Cost:	21TN0023		
Close PO:	Yes NO - NO		
Location:	Downtown Residential		

Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BD5 pedestal	Foot		\$90.00	\$329.00	\$0.00
BFO 12	12 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO12I	Install 12 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24	24 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 24I	Install 24 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48	48 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 48I	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot	45	\$5.50	\$0.05	\$249.75
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO 48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48 D	Install 48 FSM w/144 FSM mentioned above	Foot		\$0.60	\$0.01	\$0.00
BHF(30x48x36)T	Install traffic rated handhole	Each		\$175.00	\$39.00	\$0.00
BM2(5/8)(8)	Install ground rod	Each		\$23.00	\$23.41	\$0.00
BM 53	Install buried fiber warning post	Each		\$41.00	\$28.18	\$0.00
BM61(2)D	Directional bore a 2" conduit	Foot	45	\$9.20	\$0.27	\$426.15
BM71	Rock trench (cable install is a separate unit)	Foot		\$35.00	\$0.40	\$0.00
BM81	Install a 2" x 8' riser guard	Each		\$23.00	\$30.81	\$0.00
BM83	Install drop riser	Each		\$29.00	\$3.55	\$0.00
BM61(2)DR	Directional bore a 2" conduit in rock	Foot		\$35.00	\$0.27	\$0.00

<b>Total Billing Amount</b>	<b>\$675.90</b>
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# 19

# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
7/22/2021	21VP276	Net 30

\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\*

<b>Bill To:</b>
Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable

Job Name	Job #	PO #
82548	21TN0035	

**Description:**

Quantity	Description	Unit Price	Amount
1	Attached is a breakdown of this invoice	3,857.24	3,857.24

ITEM TOTAL	3,857.24
RETENTION	-192.86
<b>TOTAL AMOUNT</b>	<b>3,664.38</b>

**Please remit payment to:**

Thayer Power and Communication Line Construction Co.,LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
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**BARC Unit Billing Sheet**

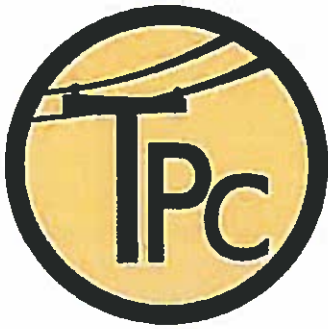
<b>Date Worked:</b>	7/19/2021 WO#	70008
<b>Customer:</b>	Barc Electric (Vantage Point)	
<b>Job Cost:</b>	21TN0035	

**Close PO: Yes NO - NO**

<b>Location:</b>	Fairfield
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Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BD5 pedestal	Foot		\$90.00	\$329.00	\$0.00
BFO 12	12 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO12I	Install 12 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24	24 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 24I	Install 24 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48	48 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 48I	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot	132	\$5.50	\$0.05	\$732.60
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO 48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48 D	Install 48 FSM w/144 FSM mentioned above	Foot		\$0.60	\$0.01	\$0.00
BHF(30x48x36)T	Install traffic rated handhole	Each		\$175.00	\$39.00	\$0.00
BM2(5/8)(8)	Install ground rod	Each		\$23.00	\$23.41	\$0.00
BM 53	Install buried fiber warning post	Each		\$41.00	\$28.18	\$0.00
BM61(2)D	Directional bore a 2" conduit	Foot	32	\$9.20	\$0.27	\$303.04
BM71	Rock trench (cable install is a separate unit)	Foot		\$35.00	\$0.40	\$0.00
BM81	Install a 2" x 8' riser guard	Each		\$23.00	\$30.81	\$0.00
BM83	Install drop riser	Each		\$29.00	\$3.55	\$0.00
BM61(2)DR	Directional bore a 2" conduit in rock	Foot	80	\$35.00	\$0.27	\$2,821.60

<b>Total Billing Amount</b>	<b>\$3,857.24</b>
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# 20

# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
8/6/2021	21VP285	Net 30

**\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\***

<b>Bill To:</b>
Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable

Job Name	Job #	PO #
185	21TN0022	

**Description:**

Quantity	Description	Unit Price	Amount
1	Attached is a breakdown of this invoice	2,279.82	2,279.82

ITEM TOTAL	2,279.82
RETENTION	-113.99
<b>TOTAL AMOUNT</b>	<b>2,165.83</b>

**Please remit payment to:**

Thayer Power and Communication Line Construction Co.,LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
---

BARC Unit Billing Sheet						
Date Worked:	8/4/2021	WO#	70003			
Customer:	Barc Electric (Vantage Point)					
Job Cost:	21TND022					
Close PO: Yes	NO - NO					
Location:	Pinnacle Lane (Incl Animal Hospital)					
Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BD5 pedestal	Foot		\$90.00	\$329.00	\$0.00
BFO 12	12 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO12I	Install 12 FSM in innerduct	Foot	1254	\$1.15	\$0.08	\$1,542.42
BFO 24	24 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 24I	Install 24 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48	48 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 48I	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot		\$5.50	\$0.05	\$0.00
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO 48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48 D	Install 48 FSM w/144 FSM mentioned above	Foot		\$0.60	\$0.01	\$0.00
BHF (12x24x18)	Install traffic rated handhole	Each		\$155.00	\$35.00	\$0.00
BHF(30x48x36)T	Install traffic rated handhole	Each		\$175.00	\$39.00	\$0.00
BM2(5/8)(8)	Install ground rod	Each		\$23.00	\$23.41	\$0.00
BM 53	Install buried fiber warning post	Each		\$41.00	\$28.18	\$0.00
BM61(2)D	Directional bore a 2" conduit	Foot		\$9.20	\$0.27	\$0.00
BM71	Rock trench (cable install is a separate unit)	Foot		\$35.00	\$0.40	\$0.00
BM81	Install a 2" x 8' riser guard	Each		\$23.00	\$30.81	\$0.00
BM83	Install drop riser	Each		\$29.00	\$3.55	\$0.00
BM61(2)DR	Directional bore a 2" conduit in rock	Foot		\$35.00	\$0.27	\$0.00
WBHF	Rearrange handhole	Each		\$245.00	\$0.00	\$0.00
XXBHF	Remove handhole	Each		\$250.00	\$75.00	\$0.00
<b>Aerial Riser Units</b>						
CO 12	12 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 12(6M)	Place 6M strand & lash a 12 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 12(10M)	Place 10M strand & lash a 12 FSM cable	Foot		\$2.10	\$0.11	\$0.00
CO 24	24 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 24(6M)	Place 6M strand & lash a 24 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 48	48 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 48(6M)	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 144	144 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 144(6M)	Place 6M strand & lash a 144 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 288	288 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 288(6M)	Place 6M strand & lash a 288 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 48(6M)D	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 12 D	Lash 12 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO 24 D	Lash 24 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO48 D	Lash 48 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
<b>Riser Splicing Units</b>						
HACO(M)	Install medium aerial closure	Each		\$495.00	\$153.00	\$0.00
HACO(S)	Install small aerial closure	Each		\$420.00	\$137.00	\$0.00
HACOSP(1)(32)	Install medium aerial closure w/1 splitter	Each		\$700.00	\$173.00	\$0.00
HACOSP(2)(32)	Install medium aerial closure w/2 splitters	Each		\$710.00	\$268.00	\$0.00
HACOSP(3)(32)	Install medium aerial closure w/3 splitters	Each		\$720.00	\$364.00	\$0.00
HBFO(S)	Install small closure in HH	Each		\$420.00	\$35.00	\$0.00
HO 1	Splice & test a single fiber	Each		\$17.50	\$0.30	\$0.00
ONTHS	Install ONT Housing	Each		\$165.00	\$21.00	\$0.00
<b>Anchor, DG's &amp; OHG's</b>						
PE1-2G	Install 10M DG w/bond	Each	6	\$60.00	\$55.00	\$690.00
PE2-2G	Install 10M OHG w/bond	Each		\$80.00	\$166.00	\$0.00
PF 3-3A	Install PISA	Each		\$233.00	\$59.00	\$0.00
PF5-3A	Install rock anchor	Each		\$275.00	\$85.00	\$0.00
<b>Miscellaneous Assembly Units</b>						
PM11	Install guy guard	Each	6	\$4.00	\$3.90	\$47.40
PM2A	Attach new strand to existing vertical ground	Each		\$15.00	\$6.00	\$0.00
PMSS	Place a storage loop	Each		\$165.00	\$48.00	\$0.00
WC-DE	Transfer Dead End	Each		\$94.00	\$17.66	\$0.00
WC-1	Move inline	Each		\$55.00	\$4.00	\$0.00
WC-2	Move Dead End	Each		\$94.00	\$17.66	\$0.00
WHACO	Re-enter splice closure	Each		\$130.00	\$58.00	\$0.00
WPE-1	Transfer phone or CATV to new anchor	Each		\$72.00	\$7.25	\$0.00
<b>Total Billing Amount</b>						<b>\$2,279.82</b>



#21

# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
8/6/2021	21VP287	Net 30

\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\*

<b>Bill To:</b>
Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable

Job Name	Job #	PO #
184	21TN0023	

### Description:

Quantity	Description	Unit Price	Amount
1	Attached is a breakdown of this invoice	14,518.12	14,518.12

ITEM TOTAL	14,518.12
RETENTION	-725.91
<b>TOTAL AMOUNT</b>	<b>13,792.21</b>

### Please remit payment to:

Thayer Power and Communication Line Construction Co.,LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
---

### BARC Unit Billing Sheet

Date Worked:	7/22/2021	WO#	( 70001 )	
Customer:	Barc Electric (Vantage Point)			
Job Cost:	21TN0023			
Close PO:	Yes NO - NO			
Location:	Downtown Residential			

Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BD5 pedestal	Foot		\$90.00	\$329.00	\$0.00
BFO 12	12 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO12I	Install 12 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24	24 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 24I	Install 24 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48	48 FSM loops/slack	Foot	1452	\$4.20	\$0.05	\$6,171.00
BFO 48I	Install 48 FSM in innerduct	Foot	840	\$1.15	\$0.08	\$1,033.20
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot		\$5.50	\$0.05	\$0.00
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO 48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48 D	Install 48 FSM w/144 FSM mentioned above	Foot		\$0.60	\$0.01	\$0.00
BHF (12x24x18)	Install traffic rated handhole	Each	5	\$155.00	\$35.00	\$950.00
BHF(30x48x36)T	Install ttraffic rated handhole	Each	18	\$175.00	\$39.00	\$3,852.00
BM2(5/8)(8)	Install ground rod	Each	12	\$23.00	\$23.41	\$556.92
BM 53	Install buried fiber warining post	Each		\$41.00	\$28.18	\$0.00
BM61(2)D	Directional bore a 2" conduit	Foot		\$9.20	\$0.27	\$0.00
BM71	Rock trench (cable install is a separate unit)	Foot		\$35.00	\$0.40	\$0.00
BM81	Install a 2" x 8' riser guard	Each		\$23.00	\$30.81	\$0.00
BM83	Install drop riser	Each		\$29.00	\$3.55	\$0.00
BM61(2)DR	Directional bore a 2" conduit in rock	Foor		\$35.00	\$0.27	\$0.00
WBHF	Rearrange handhole	Each	4	\$245.00	\$0.00	\$980.00
XXBHF	Remove handhole	Each	3	\$250.00	\$75.00	\$975.00
<b>Total Billing Amount</b>						<b>\$14,518.12</b>



#22

# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
8/20/2021	21VP303	Net 30

\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\*

<b>Bill To:</b>
Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable

Job Name	Job #	PO #
82548	21TN0035	70008

**Description:**

Quantity	Description	Unit Price	Amount
1	Please find attached, a breakdown for this invoice.	10,739.61	10,739.61

ITEM TOTAL	10,739.61
RETENTION	-536.98
<b>TOTAL AMOUNT</b>	<b>10,202.63</b>

**Please remit payment to:**

Thayer Power and Communication Line Construction Co.,LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
---



## BARC Unit Billing Sheet

Date Worked:	8/18/2021	WO#	70008
Customer:	Barc Electric (Vantage Point)		
Job Cost:	21TN0035		
Close PO:	Yes NO - NO		

Location: Fairfield







Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BD5 pedestal	Foot		\$90.00	\$329.00	\$0.00
BFO 12	12 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO12I	Install 12 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24	24 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 24I	Install 24 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48	48 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 48I	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot	457	\$5.50	\$0.05	\$2,536.35
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO 48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48 D	Instali 48 FSM w/144 FSM mentioned above	Foot		\$0.60	\$0.01	\$0.00
BHF (12x24x18)	Install traffic rated handhole	Each		\$155.00	\$35.00	\$0.00
BHF(30x48x36)T	Install ttraffic rated handhole	Each	2	\$175.00	\$39.00	\$428.00
BM2(5/8)(8)	Install ground rod	Each	2	\$23.00	\$23.41	\$92.82
BM 53	Install buried fiber warning post	Each		\$41.00	\$28.18	\$0.00
BM61(2)D	Directional bore a 2" conduit	Foot	327	\$9.20	\$0.27	\$3,096.69
BM71	Rock trench (cable install is a separate unit)	Foot	5	\$35.00	\$0.40	\$177.00
BM81	Install a 2" x 8' riser guard	Each		\$23.00	\$30.81	\$0.00
BM83	Install drop riser	Each		\$29.00	\$3.55	\$0.00
BM61(2)DR	Directional bore a 2" conduit in rock	Foot	125	\$35.00	\$0.27	\$4,408.75
WBHF	Rearrange handhole	Each		\$245.00	\$0.00	\$0.00
XXBHF	Remove handhole	Each		\$250.00	\$75.00	\$0.00

<b>Total Billing Amount</b>	<b>\$10,739.61</b>
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<b>TITLE</b>	2021-09-03 Purchase Request Form - Thayer 1-22
<b>FILE NAME</b>	2021-09-03 Purcha...- Thayer 1-22.pdf
<b>DOCUMENT ID</b>	028e9ece791592be46bb1fa3d97ee63c357b87a5
<b>AUDIT TRAIL DATE FORMAT</b>	MM / DD / YYYY
<b>STATUS</b>	● Completed

## Document History

 SENT	<b>09 / 09 / 2021</b> 14:19:30 UTC	Sent for signature to Mike Keyser (mkeyser@barcelectric.com) and Chris Botulinski (cbotulinski@barcelectric.com) from cperdue@barcelectric.com IP: 216.55.240.152
 VIEWED	<b>09 / 09 / 2021</b> 20:36:35 UTC	Viewed by Chris Botulinski (cbotulinski@barcelectric.com) IP: 216.55.240.126
 VIEWED	<b>09 / 10 / 2021</b> 02:04:04 UTC	Viewed by Mike Keyser (mkeyser@barcelectric.com) IP: 12.228.172.135
 SIGNED	<b>09 / 10 / 2021</b> 02:04:21 UTC	Signed by Mike Keyser (mkeyser@barcelectric.com) IP: 12.228.172.135
 SIGNED	<b>09 / 13 / 2021</b> 13:20:56 UTC	Signed by Chris Botulinski (cbotulinski@barcelectric.com) IP: 216.55.240.126
 COMPLETED	<b>09 / 13 / 2021</b> 13:20:56 UTC	The document has been completed.





September 3, 2021

Mr. Mike Keyser  
BARC Electric Cooperative  
84 High Street  
PO Box 264  
Millboro, VA 24460

Ref: VA – BARC ELECTRIC - P19.0  
OSP Invoice No. 46-53

Dear Mike:

Enclosed please find Invoice No. 46-53 for labor & materials, from Thayer Power of Pataskala, Ohio for the construction of fiber optic facilities associated with your 2020 Outside Plant Construction project for the Vati project.

At your earliest convenience please review the invoice and process the payment as noted.

If you have any questions, please feel free to contact me at 605-990-1843.

Sincerely,

*Ann Carpenter*

Ann Carpenter  
Technical Assistant  
Vantage Point Solutions, Inc.

akc  
enclosure: Invoice No. 46-53

VANTAGEPNT.COM 605-995-1777  
2211 N Minnesota Street Mitchell SD 57301



#46

# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
5/20/2021	21VP208	Net 30

\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\*

**Bill To:**

Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable
--

Job Name	Job #	PO #
84003	21TN0007	

**Description:**

Quantity	Description	Unit Price	Amount
1	Attached is a breakdown of this invoice	67,796.68	67,796.68
<b>Total</b>			64,406.85

retainage - 3,389.83

**Please remit payment to:**

Thayer Power and Communication Line Construction Co., LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
--

BARC Unit Billing Sheet						
Date Worked:	8/13/21 to 8/19/21	WO#	84003			
Customer:	Barc Electric (Vantage Point)					
Job Cost:	21TN0007					
Close PO:	Yes NO - NO					
Location:	S BUFFALO					
Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BDO pedestal	Foot	1	\$90.00	\$329.00	\$419.00
BFO 12	12 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO12I	Install 12 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24	24 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 288I	Install 288 FSM in innerduct	Foot	210	\$1.15	\$0.08	\$258.30
BFO 48	48 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 48I	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot	305	\$3.50	\$0.05	\$1,492.75
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO 48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48 D	Install 48 FSM w/144 FSM mentioned above	Foot		\$0.60	\$0.01	\$0.00
BHP(30x48x36)T	Install traffic rated handhole	Each		\$175.00	\$39.00	\$0.00
BM2(5/8)(B)	Install ground rod	Each	1	\$23.00	\$23.41	\$46.41
BM 53	Install buried fiber warning post	Each		\$41.00	\$28.18	\$0.00
BM61(2)D	Directional bore a 2" conduit	Foot	210	\$9.20	\$0.27	\$1,988.70
BM71	Rock trench (cable install is a separate unit)	Foot	25	\$35.00	\$0.40	\$885.00
BM81	Install a 2" x 8' riser guard	Each	18	\$23.00	\$30.81	\$968.58
BM83	Install drop riser	Each		\$29.00	\$3.55	\$0.00
BM61(2)DR	Directional bore a 2" conduit in rock	Foot	70	\$35.00	\$0.27	\$2,468.90
<b>Aerial Fiber Units</b>						
CO 12	12 FSM coil/slack	Foot	220	\$1.05	\$0.03	\$237.60
CO 12(6M)	Place 6M strand & lash a 12 FSM cable	Foot	9932	\$2.05	\$0.09	\$21,254.48
CO 12(10M)	Place 10M strand & lash a 12 FSM cable	Foot		\$2.10	\$0.11	\$0.00
CO 24	24 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 24(6M)	Place 6M strand & lash a 24 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 48	48 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 48(6M)	Place 6M strand & lash a 48 FSM cable	Foot	796	\$2.05	\$0.09	\$1,703.44
CO 144	144 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 144(6M)	Place 6M strand & lash a 144 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 288	288 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 288(6M)	Place 6M strand & lash a 288 FSM cable	Foot	8178	\$2.05	\$0.09	\$17,508.92
& CO 48(6M)D	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 12 D	Lash 12 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO 24 D	Lash 24 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO 48 D	Lash 48 FSM w/another cable	Foot	8238	\$1.05	\$0.03	\$8,897.04
<b>Fiber Splitting Units</b>						
HACO(M)	Install medium aerial closure	Each		\$495.00	\$153.00	\$0.00
HACO(S)	Install small aerial closure	Each		\$420.00	\$137.00	\$0.00
HACOSP(1)(32)	Install medium aerial closure w/1 splitter	Each		\$700.00	\$173.00	\$0.00
HACOSP(2)(32)	Install medium aerial closure w/2 splitters	Each		\$710.00	\$268.00	\$0.00
HACOSP(3)(32)	Install medium aerial closure w/3 splitters	Each		\$720.00	\$364.00	\$0.00
HBFO(S)	Install small closure in HH	Each		\$420.00	\$35.00	\$0.00
HO-1	Splice & test a single fiber	Each		\$32.50	\$0.30	\$0.00
ONTHS	Install ONT Housing	Each		\$165.00	\$21.00	\$0.00
<b>Anchor, DG's &amp; OHG's</b>						
PE1-2G	Install 10M DG w/bond	Each	37	\$60.00	\$55.00	\$4,255.00
PE2-2G	Install 10M OHG w/bond	Each		\$80.00	\$166.00	\$0.00
PP 3-3A	Install PISA	Each		\$233.00	\$59.00	\$0.00
PP5-3A	Install rock anchor	Each		\$275.00	\$85.00	\$0.00
<b>Miscellaneous Assembly Units</b>						
PM11	Install guy guard	Each	37	\$4.00	\$3.90	\$292.30
PM2A	Attach new strand to existing vertical ground	Each	33	\$15.00	\$6.00	\$693.00
PMSS	Place a storage loop	Each	4	\$165.00	\$48.00	\$852.00
WC-DE	Transfer Dead End	Each		\$94.00	\$17.66	\$0.00
WC-1	Move inline	Each	5	\$55.00	\$4.00	\$295.00
WC-2	Move Dead End	Each	12	\$67.00	\$9.78	\$921.36
WHACO	Re-enter splice closure	Each		\$130.00	\$58.00	\$0.00
WPE-1	Transfer phone or CATV to new anchor	Each		\$72.00	\$7.25	\$0.00
<b>Service Entrance Assembly Units</b>						
SEAO 4	Install aerial flat drop	Foot		\$1.00	\$0.09	\$0.00
SEAO 4(6M)	Install 6M strand & lash aerial flat drop	Foot	930	\$2.15	\$0.18	\$2,166.90
SEBO 4	Install buried flat drop	Foot		\$2.25	\$0.05	\$0.00
<b>Total Billing Amount</b>						<b>\$67,796.68</b>





#47

# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
6/10/2021	21VP223	Net 30

\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\*

<b>Bill To:</b>
Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable

Job Name	Job #	PO #
218	21TN0001	

**Description:**

Quantity	Description	Unit Price	Amount
1	Attached is a breakdown of this invoice	62,849.81	62,849.81

ITEM TOTAL	62,849.81
RETENTION	-3,142.49
<b>TOTAL AMOUNT</b>	<b>59,707.32</b>

**Please remit payment to:**

Thayer Power and Communication Line Construction Co.,LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
---

BARC Unit Billing Sheet						
Date Worked:	5/3/21 to 5/9/21	WOP	84000			
Customer:	Barc Electric (Vantage Point)					
Job Cost:	217N0001					
Close PO:	Yes NO - NO					
Location:	GLASGOW					
Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BD5 pedestal	Foot		\$90.00	\$329.00	\$0.00
BFO 12	12 FSM loops/slack	Foot	120	\$4.20	\$0.05	\$510.00
BFO12I	Install 12 FSM in innerduct	Foot	1234	\$1.15	\$0.08	\$1,517.82
BFO 24	24 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 72I	Install 72 FSM in innerduct	Foot	1774	\$1.15	\$0.08	\$2,182.02
BFO 48	48 FSM loops/slack	Foot	80	\$4.20	\$0.05	\$340.00
BFO 48I	Install 48 FSM in innerduct	Foot	924	\$1.15	\$0.08	\$1,136.52
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot	385	\$5.50	\$0.05	\$2,136.75
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO 48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48 D	Install 48 FSM w/144 FSM mentioned above	Foot		\$0.60	\$0.01	\$0.00
BHF10x48x36IT	Install traffic rated handhole	Each		\$175.00	\$39.00	\$0.00
BM2(5/8x8)	Install ground rod	Each		\$23.00	\$23.41	\$0.00
BM 53	Install buried fiber warning post	Each		\$41.00	\$28.18	\$0.00
BM61(2)D	Directional bore a 2" conduit	Foot	385	\$9.20	\$0.27	\$3,645.95
BM71	Rock trench (cable install is a separate unit)	Foot	40	\$35.00	\$0.40	\$1,416.00
BM81	Install a 2" x 8' riser guard	Each	29	\$23.00	\$30.81	\$1,560.49
BM83	Install drop riser	Each	9	\$29.00	\$3.55	\$292.95
BM61(2)DR	Directional bore a 2" conduit in rock	Foot		\$35.00	\$0.27	\$0.00
<b>Aerial Fiber Units</b>						
CO 12	12 FSM coil/slack	Foot	60	\$1.05	\$0.03	\$64.80
CO 12(6M)	Place 6M strand & lash a 12 FSM cable	Foot	76	\$2.05	\$0.09	\$162.64
CO 12(10M)	Place 10M strand & lash a 12 FSM cable	Foot		\$2.10	\$0.11	\$0.00
CO 72	72 FSM coil/slack	Foot	250	\$1.05	\$0.03	\$270.00
CO 72(6M)	Place 6M strand & lash a 72 FSM cable	Foot	2772	\$2.05	\$0.09	\$5,932.08
CO 48	48 FSM coil/slack	Foot	360	\$1.05	\$0.03	\$388.80
CO 48(6M)	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 144	144 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 144(6M)	Place 6M strand & lash a 144 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 288	288 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 288(6M)	Place 6M strand & lash a 288 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 48(6M)D	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 12 D	Lash 12 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO 24 D	Lash 24 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO48 D	Lash 48 FSM w/another cable	Foot	2770	\$1.05	\$0.03	\$2,991.60
<b>Fiber Splicing Units</b>						
HACO(M)	Install medium aerial closure	Each	2	\$495.00	\$153.00	\$1,296.00
HACO(S)	Install small aerial closure	Each	21	\$420.00	\$137.00	\$11,697.00
HACOSP(1)(32)	Install medium aerial closure w/1 splitter	Each		\$700.00	\$173.00	\$0.00
HACOSP(2)(32)	Install medium aerial closure w/2 splitters	Each		\$710.00	\$268.00	\$0.00
HACOSP(3)(32)	Install medium aerial closure w/3 splitters	Each		\$720.00	\$364.00	\$0.00
HBF(S)	Install small closure in HH	Each	2	\$420.00	\$35.00	\$910.00
HO-1	Splice & test a single fiber	Each	208	\$32.50	\$0.30	\$6,822.40
ONTHS	Install ONT Housing	Each	13	\$165.00	\$21.00	\$2,418.00
<b>Anchor, DG's &amp; OHG's</b>						
PE1-2G	Install 10M DG w/bond	Each	6	\$60.00	\$55.00	\$690.00
PE2-2G	Install 10M OHG w/bond	Each		\$80.00	\$166.00	\$0.00
PF 3-3A	Install PISA	Each		\$233.00	\$59.00	\$0.00
PF5-3A	Install rock anchor	Each		\$275.00	\$85.00	\$0.00
<b>Miscellaneous Assembly Units</b>						
PM11	Install guy guard	Each	6	\$4.00	\$3.90	\$47.40
PM2A	Attach new strand to existing vertical ground	Each	11	\$15.00	\$6.00	\$231.00
PMSS	Place a storage loop	Each		\$165.00	\$48.00	\$0.00
WC-DE	Transfer Dead End	Each		\$94.00	\$17.66	\$0.00
WC-1	Move inline	Each	1	\$55.00	\$4.00	\$59.00
WC-2	Move Dead End	Each	1	\$67.00	\$9.78	\$76.78
WHACO	Re-enter splice closure	Each	2	\$130.00	\$58.00	\$376.00
WPE-1	Transfer phone or CATV to new anchor	Each	1	\$72.00	\$7.25	\$79.25
<b>Service Entrance Assembly Units</b>						
SEAO 4	Install aerial flat drop	Foot	3346	\$1.00	\$0.09	\$3,647.14
SEAD 4(6M)	Install 6M strand & lash aerial flat drop	Foot	1434	\$2.15	\$0.18	\$3,341.22
SEBO 4	Install buried flat drop	Foot	2874	\$2.25	\$0.05	\$6,610.20
<b>Total Billing Amount</b>						<b>\$62,849.81</b>





#48

# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
8/13/2021	21VP298	Net 30

\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\*

<b>Bill To:</b>
Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable

Job Name	Job #	PO #
84003	21TN0007	

**Description:**

Quantity	Description	Unit Price	Amount
1	Attached is a breakdown of this invoice	55,169.44	55,169.44

ITEM TOTAL 55,169.44  
RETENTION -2,758.47

**TOTAL AMOUNT 52,410.97**

**Please remit payment to:**

Thayer Power and Communication Line Construction Co., LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
--

BARC Unit Billing Sheet						
Date Worked:	8/2/21 to 8/11/21	WO#	84003			
Customer:	Barc Electric (Vertage Point)					
Job Cost:	217N0007					
Close PO:	Yes NO - NO					
Location:	S BUFFALO					
Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BDO5 pedestal	Foot		\$90.00	\$329.00	\$0.00
BFO 12	12 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO12I	Install 12 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24	24 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 24I	Install 24 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48	48 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 48I	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot		\$5.50	\$0.05	\$0.00
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO 48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48 D	Install 48 FSM w/144 FSM mentioned above	Foot		\$0.60	\$0.01	\$0.00
BHF (12x24x18)	Install traffic rated handhole	Each		\$155.00	\$35.00	\$0.00
BHF(30x48x36)T	Install traffic rated handhole	Each		\$175.00	\$39.00	\$0.00
BM2(5/8)/8)	Install ground rod	Each		\$23.00	\$23.41	\$0.00
BM 53	Install buried fiber warning post	Each		\$41.00	\$28.18	\$0.00
BM61(2)D	Directional bore a 2" conduit	Foot		\$9.20	\$0.27	\$0.00
BM7I	Rock trench (cable install is a separate unit)	Foot		\$35.00	\$0.40	\$0.00
BM8I	Install a 2" x 8' riser guard	Each	7	\$23.00	\$30.81	\$376.67
BM83	Install drop riser	Each	3	\$29.00	\$3.55	\$97.65
BM61(2)DR	Directional bore a 2" conduit in rock	Foot		\$35.00	\$0.27	\$0.00
WBHF	Rearrange handhole	Each		\$245.00	\$0.00	\$0.00
XXBHF	Remove handhole	Each		\$250.00	\$75.00	\$0.00
<b>Aerial Fiber Units</b>						
CO 12	12 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 12(6M)	Place 6M strand & lash a 12 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 12(10M)	Place 10M strand & lash a 12 FSM cable	Foot		\$2.10	\$0.11	\$0.00
CO 24	24 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 24(6M)	Place 6M strand & lash a 24 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 48	48 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 48(6M)	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 144	144 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 144(6M)	Place 6M strand & lash a 144 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 288	288 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 288(6M)	Place 6M strand & lash a 288 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 48(6M)D	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 12 D	Lash 12 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO 24 D	Lash 24 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO48 D	Lash 48 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
<b>Fiber Splicing Units</b>						
HACO(M)	Install medium aerial closure	Each	1	\$495.00	\$153.00	\$648.00
HACO(S)	Install small aerial closure	Each	41	\$420.00	\$137.00	\$22,817.00
HACOSP(1)(32)	Install medium aerial closure w/1 splitter	Each		\$700.00	\$173.00	\$0.00
HACOSP(2)(32)	Install medium aerial closure w/2 splitters	Each	2	\$710.00	\$268.00	\$1,956.00
HACOSP(3)(32)	Install medium aerial closure w/3 splitters	Each		\$720.00	\$364.00	\$0.00
HBFO(S)	Install small closure in HH	Each		\$420.00	\$35.00	\$0.00
HO-1	Splice & test a single fiber	Each	500	\$32.50	\$0.30	\$16,400.00
ONTHS	Install ONT Housing	Each	42	\$165.00	\$21.00	\$7,812.00
<b>Anchors, DG's &amp; OHG's</b>						
PE1-2G	Install 10M DG w/bond	Each		\$60.00	\$55.00	\$0.00
PE2-2G	Install 10M OHG w/bond	Each		\$80.00	\$166.00	\$0.00
PF 3-3A	Install PISA	Each		\$233.00	\$59.00	\$0.00
PF5-3A	Install rock anchor	Each		\$275.00	\$85.00	\$0.00
<b>Miscellaneous Assembly Units</b>						
PM1I	Install guy guard	Each		\$4.00	\$3.90	\$0.00
PM2A	Attach new strand to existing vertical ground	Each		\$15.00	\$6.00	\$0.00
PMSS	Place a storage loop	Each		\$165.00	\$48.00	\$0.00
WC-DE	Transfer Dead End	Each		\$94.00	\$17.66	\$0.00
WC-1	Move inline	Each		\$35.00	\$4.00	\$0.00
WC-2	Move Dead End	Each		\$94.00	\$17.66	\$0.00
WHACO	Re-enter splice closure	Each	2	\$130.00	\$58.00	\$376.00
WPE-1	Transfer phone or CATV to new anchor	Each		\$72.00	\$7.25	\$0.00
<b>Service Entrance Assembly Units</b>						
SEAO 4	Install aerial flat drop	Foot	1888	\$1.00	\$0.09	\$2,057.92
SEAO 4(6M)	Install 6M strand & lash aerial flat drop	Foot		\$2.15	\$0.18	\$0.00
SEBO 4	Install buried flat drop	Foot	1134	\$2.25	\$0.05	\$2,608.20
<b>Total Billing Amount</b>						<b>\$55,169.44</b>



#49

# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
8/20/2021	21VP300	Net 30

\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\*

<b>Bill To:</b>
Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable

Job Name	Job #	PO #
84003	21TN0007	84003

### Description:

Quantity	Description	Unit Price	Amount
1	Please find attached, a breakdown for this invoice.	1,329.75	1,329.75

ITEM TOTAL	1,329.75
RETENTION	-66.49
<b>TOTAL AMOUNT</b>	<b>1,263.26</b>

### Please remit payment to:

Thayer Power and Communication Line Construction Co.,LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
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BARC Unit Billing Sheet						
Date Worked:	B/17/2021	WO#	64003			
Customer:	Barc Electric (Vantage Point)					
Job Cost:	21TN0007					
Close PD: Yes	NO	NO				
Location:	9 Buffalo					
Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BDS pedestal	Foot		\$90.00	\$329.00	\$0.00
BFO 12	12 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO12I	Install 12 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24	24 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 24I	Install 24 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48	48 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 48I	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot		\$5.50	\$0.05	\$0.00
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO 48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48 D	Install 48 FSM w/144 FSM mentioned above	Foot		\$0.60	\$0.01	\$0.00
BHF (12x24x18)	Install traffic rated handhole	Each		\$155.00	\$35.00	\$0.00
BHIF (30x48x36)T	Install traffic rated handhole	Each		\$175.00	\$39.00	\$0.00
BM2(5/8)(8)	Install ground rod	Each		\$23.00	\$23.41	\$0.00
BM 53	Install buried fiber warning post	Each		\$41.00	\$28.18	\$0.00
BM61(2)D	Directional bore a 2" conduit	Foot		\$9.20	\$0.27	\$0.00
BM7I	Rock trench (cable install is a separate unit)	Foot		\$35.00	\$0.40	\$0.00
BM8I	Install a 2" x 8' riser guard	Each		\$23.00	\$30.81	\$0.00
BM83	Install drop riser	Each	1	\$29.00	\$3.55	\$32.55
BM61(2)DR	Directional bore a 2" conduit in rock	Foot		\$35.00	\$0.27	\$0.00
WBHF	Rearrange handhole	Each		\$245.00	\$0.00	\$0.00
XXBHF	Remove handhole	Each		\$250.00	\$75.00	\$0.00
<b>Aerial Fiber Units</b>						
CO 12	12 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 12(6M)	Place 6M strand & lash a 12 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 12(10M)	Place 10M strand & lash a 12 FSM cable	Foot		\$2.10	\$0.11	\$0.00
CO 24	24 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 24(6M)	Place 6M strand & lash a 24 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 48	48 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 48(6M)	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 144	144 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 144(6M)	Place 6M strand & lash a 144 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 288	288 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 288(6M)	Place 6M strand & lash a 288 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 48(6M)D	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 12 D	Lash 12 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO 24 D	Lash 24 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO48 D	Lash 48 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
<b>Fiber Splicing Units</b>						
HACO(M)	Install medium aerial closure	Each		\$495.00	\$153.00	\$0.00
HACO(S)	Install small aerial closure	Each		\$420.00	\$137.00	\$0.00
HACOSP(1)(32)	Install medium aerial closure w/1 splitter	Each		\$700.00	\$173.00	\$0.00
HACOSP(2)(32)	Install medium aerial closure w/2 splitters	Each		\$710.00	\$268.00	\$0.00
HACOSP(3)(32)	Install medium aerial closure w/3 splitters	Each		\$720.00	\$364.00	\$0.00
HBFO(S)	Install small closure in HII	Each		\$420.00	\$35.00	\$0.00
HO-1	Splice & test a single fiber	Each		\$32.50	\$0.30	\$0.00
ONTHS	Install ONT housing	Each		\$165.00	\$21.00	\$0.00
<b>Anchor, DG's &amp; OHG's</b>						
PE1-2G	Install 10M DG w/bond	Each		\$60.00	\$55.00	\$0.00
PE2-2G	Install 10M OHG w/bond	Each		\$80.00	\$166.00	\$0.00
PF 3-3A	Install PISA	Each		\$233.00	\$59.00	\$0.00
PF5-3A	Install rock anchor	Each		\$275.00	\$85.00	\$0.00
<b>Miscellaneous Assembly Units</b>						
PM11	Install guy guard	Each		\$4.00	\$3.90	\$0.00
PM2A	Attach new strand to existing vertical ground	Each		\$15.00	\$6.00	\$0.00
PMSS	Place a storage loop	Each		\$165.00	\$48.00	\$0.00
WC-DE	Transfer Dead End	Each		\$94.00	\$17.66	\$0.00
WC-1	Move inline	Each		\$55.00	\$4.00	\$0.00
WC-2	Move Dead End	Each		\$94.00	\$17.66	\$0.00
WHACO	Re-enter splice closure	Each		\$130.00	\$58.00	\$0.00
WPE-1	Transfer phone or CATV to new anchor	Each		\$72.00	\$7.25	\$0.00
<b>Service Entrance Assembly Units</b>						
SEAO 4	Install aerial flat drop	Foot		\$1.00	\$0.09	\$0.00
SEAO 4(6M)	Install 6M strand & lash aerial flat drop	Foot		\$2.15	\$0.18	\$0.00
SEBO 4	Install buried flat drop	Foot	564	\$2.25	\$0.05	\$1,197.20
<b>Total Billing Amount</b>						\$1,329.75



≠ 50

# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
8/20/2021	21VP302	Net 30

\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\*

<b>Bill To:</b>
Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable

Job Name	Job #	PO #
84002	21TN0006	84002

**Description:**

Quantity	Description	Unit Price	Amount
1	Please find attached, a breakdown for this invoice.	79,676.87	79,676.87

ITEM TOTAL	79,676.87
RETENTION	-3,983.84
<b>TOTAL AMOUNT</b>	<b>75,693.03</b>

**Please remit payment to:**

Thayer Power and Communication Line Construction Co.,LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
---

**BARC Unit Billing Sheet**

<b>Date Worked:</b>	8/18/21 to 8/18/21	<b>WC#</b>	84002
<b>Customer:</b>	Barc Electric (Vantage Point)		
<b>Job Cost:</b>	21TN0008		
<b>Close PO:</b>	Yes NO - NO		
<b>Location:</b>	Cornwall E		

Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BD5 pedestal	Foot		\$90.00	\$329.00	\$0.00
BFO12	12 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO12I	Install 12 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO24	24 FSM loops/slack	Foot	184	\$4.20	\$0.05	\$782.00
BFO24I	Install 24 FSM in innerduct	Foot	1004	\$1.15	\$0.08	\$1,234.92
BFO48	48 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO48I	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot	770	\$5.50	\$0.05	\$4,273.50
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO48 D	Install 48 FSM w/144 FSM mentioned above	Foot		\$0.60	\$0.01	\$0.00
BHF (12x24x18)	Install traffic rated handhole	Each		\$155.00	\$35.00	\$0.00
BHF(30x48x36)T	Install traffic rated handhole	Each		\$175.00	\$39.00	\$0.00
BM2(5/8)	Install ground rod	Each		\$23.00	\$23.41	\$0.00
BM53	Install buried fiber warning post	Each		\$41.00	\$28.18	\$0.00
BM61(2)D	Directional bore a 2" conduit	Foot	190	\$9.20	\$0.27	\$1,799.30
BM71	Rock trench (cable install is a separate unit)	Foot	250	\$35.00	\$0.40	\$8,850.00
BM81	Install a 2" x 8' riser guard	Each	27	\$23.00	\$30.81	\$1,452.87
BM83	Install drop riser	Each		\$29.00	\$3.55	\$0.00
BM61(2)DR	Directional bore a 2" conduit in rock	Foot	330	\$35.00	\$0.27	\$11,639.10
WBHF	Rearrange handhole	Each		\$245.00	\$0.00	\$0.00
XXBHF	Remove handhole	Each		\$250.00	\$75.00	\$0.00
<b>Aerial Fiber Units</b>						
CO12	12 FSM coil/slack	Foot	240	\$1.05	\$0.03	\$259.20
CO12(6M)	Place 6M strand & lash a 12 FSM cable	Foot	18242	\$2.05	\$0.09	\$39,037.88
CO12(10M)	Place 10M strand & lash a 12 FSM cable	Foot		\$2.10	\$0.11	\$0.00
CO24	24 FSM coil/slack	Foot	220	\$1.05	\$0.03	\$237.60
CO24(6M)	Place 6M strand & lash a 24 FSM cable	Foot	2450	\$2.05	\$0.09	\$5,243.00
CO48	48 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO48(6M)	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO144	144 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO144(6M)	Place 6M strand & lash a 144 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO288	288 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO288(6M)	Place 6M strand & lash a 288 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO48(6M)D	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO12 D	Lash 12 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO24 D	Lash 24 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO48 D	Lash 48 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
<b>Fiber Splicing Units</b>						
HACO(M)	Install medium aerial closure	Each		\$495.00	\$153.00	\$0.00
HACO(S)	Install small aerial closure	Each		\$420.00	\$137.00	\$0.00
HACOSP(1)(32)	Install medium aerial closure w/1 splitter	Each		\$700.00	\$173.00	\$0.00
HACOSP(2)(32)	Install medium aerial closure w/2 splitters	Each		\$710.00	\$268.00	\$0.00
HACOSP(3)(32)	Install medium aerial closure w/3 splitters	Each		\$720.00	\$364.00	\$0.00
HBFO(S)	Install small closure in HH	Each		\$420.00	\$35.00	\$0.00
HO-1	Splice & test a single fiber	Each		\$32.50	\$0.30	\$0.00
ONTHS	Install ONT Housing	Each		\$165.00	\$21.00	\$0.00
<b>Anchors, DG's &amp; OHG's</b>						
PE1-2G	Install 10M DG w/bond	Each	35	\$60.00	\$55.00	\$4,025.00
PE2-2G	Install 10M OHG w/bond	Each	1	\$80.00	\$166.00	\$246.00
PF3-3A	Install PISA	Each		\$233.00	\$59.00	\$0.00
PF5-3A	Install rock anchor	Each		\$275.00	\$85.00	\$0.00
<b>Miscellaneous Assembly Units</b>						
PM11	Install guy guard	Each	25	\$4.00	\$3.90	\$197.50
PM2A	Attach new strand to existing vertical ground	Each	19	\$15.00	\$6.00	\$399.00
PMSS	Place a storage loop	Each		\$165.00	\$48.00	\$0.00
WC-DE	Transfer Dead End	Each		\$94.00	\$17.66	\$0.00
WC-1	Move inline	Each		\$55.00	\$4.00	\$0.00
WC-2	Move Dead End	Each		\$94.00	\$17.66	\$0.00
WHACO	Re-enter splice closure	Each		\$130.00	\$58.00	\$0.00
WPE-1	Transfer phone or CATV to new anchor	Each		\$72.00	\$7.25	\$0.00
<b>Total Billing Amount</b>						<b>\$79,676.87</b>





# 51

# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
8/27/2021	21VP309	Net 30

\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\*

<b>Bill To:</b>
Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable

Job Name	Job #	PO #
84003	21TN0007	

**Description:**

Quantity	Description	Unit Price	Amount
1	Attached is a breakdown of this invoice	10,212.69	10,212.69

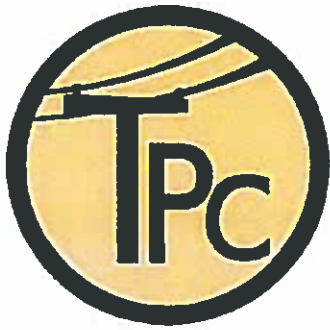
ITEM TOTAL	10,212.69
RETENTION	-510.63
<b>TOTAL AMOUNT</b>	<b>9,702.06</b>

**Please remit payment to:**

Thayer Power and Communication Line Construction Co.,LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
---



BARC Unit Billing Sheet						
Date Worked:	8/7/21 to 8/25/21	WC#	84003			
Customer:	Barc Electric (Vantage Point)					
Job Cost:	21TN0007					
Close PO:	Yes NO - NO					
Location:	S Buffalo					
Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BDO5 pedestal	Foot		\$90.00	\$329.00	\$0.00
BFO 12	12 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO12I	Install 12 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24	24 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 24I	Install 24 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48	48 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 48I	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot		\$5.50	\$0.05	\$0.00
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO 48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48 D	Install 48 FSM w/144 FSM mentioned above	Foot		\$0.60	\$0.01	\$0.00
BHF (12x24x18)	Install traffic rated handhole	Each		\$155.00	\$35.00	\$0.00
BHF(30x48x36)T	Install traffic rated handhole	Each		\$175.00	\$39.00	\$0.00
BM2(5/8)8	Install ground rod	Each		\$23.00	\$23.41	\$0.00
BM 53	Install buried fiber warning post	Each		\$41.00	\$28.18	\$0.00
BM61(2)D	Directional bore a 2" conduit	Foot		\$9.20	\$0.27	\$0.00
BM71	Rock trench (cable install is a separate unit)	Foot		\$35.00	\$0.40	\$0.00
BM81	Install a 2" x 8' riser guard	Each	5	\$23.00	\$30.81	\$269.05
BM83	Install drop riser	Each	4	\$29.00	\$3.55	\$130.20
BM61(2)DR	Directional bore a 2" conduit in rock	Foot		\$35.00	\$0.27	\$0.00
WBHF	Rearrange handhole	Each		\$245.00	\$0.00	\$0.00
XXBHF	Remove handhole	Each		\$250.00	\$75.00	\$0.00
<b>Aerial Fiber Units</b>						
CO 12	12 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 12(6M)	Place 6M strand & lash a 12 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 12(10M)	Place 10M strand & lash a 12 FSM cable	Foot		\$2.10	\$0.11	\$0.00
CO 24	24 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 24(6M)	Place 6M strand & lash a 24 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 48	48 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 48(6M)	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 144	144 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 144(6M)	Place 6M strand & lash a 144 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 288	288 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 288(6M)	Place 6M strand & lash a 288 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 48(6M)D	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 12 D	Lash 12 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO 24 D	Lash 24 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO48 D	Lash 48 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
<b>Fiber Splicing Units</b>						
HACO(M)	Install medium aerial closure	Each	6	\$495.00	\$153.00	\$3,888.00
HACO(S)	Install small aerial closure	Each		\$420.00	\$137.00	\$0.00
HACOSP(1)(32)	Install medium aerial closure w/1 splitter	Each		\$700.00	\$173.00	\$0.00
HACOSP(2)(32)	Install medium aerial closure w/2 splitters	Each		\$710.00	\$268.00	\$0.00
HACOSP(3)(32)	Install medium aerial closure w/3 splitters	Each		\$720.00	\$364.00	\$0.00
HBFO(S)	Install small closure in HH	Each		\$420.00	\$35.00	\$0.00
HO-1	Splice & test a single fiber	Each	22	\$32.50	\$0.30	\$721.60
ONTHS	Install ONT Housing	Each	4	\$165.00	\$21.00	\$744.00
<b>Anchors, DG's &amp; OHG's</b>						
PE1-2G	Install 10M DG w/bond	Each		\$60.00	\$55.00	\$0.00
PE2-2G	Install 10M OHG w/bond	Each		\$80.00	\$166.00	\$0.00
PF 3-3A	Install PISA	Each		\$233.00	\$59.00	\$0.00
PF5-3A	Install rock anchor	Each		\$275.00	\$85.00	\$0.00
<b>Miscellaneous Assembly Units</b>						
PM11	Install guy guard	Each		\$4.00	\$3.90	\$0.00
PM2A	Attach new strand to existing vertical ground	Each		\$15.00	\$6.00	\$0.00
PMSS	Place a storage loop	Each		\$165.00	\$48.00	\$0.00
WC-DE	Transfer Dead End	Each		\$94.00	\$17.66	\$0.00
WC-1	Move inline	Each		\$55.00	\$4.00	\$0.00
WC-2	Move Dead End	Each		\$94.00	\$17.66	\$0.00
WHACO	Re-enter splice closure	Each	2	\$130.00	\$58.00	\$376.00
WPE-1	Transfer phone or CATV to new anchor	Each		\$72.00	\$7.25	\$0.00
<b>Service Entrance Assembly Units</b>						
SEAO 4	Install aerial flat drop	Foot	476	\$1.00	\$0.09	\$518.84
SEAO 4(6M)	Install 6M strand & lash aerial flat drop	Foot		\$2.15	\$0.18	\$0.00
SEBO 4	Install buried flat drop	Foot	1550	\$2.25	\$0.05	\$3,545.00
<b>Total Billing Amount</b>						<b>\$10,212.69</b>



#52

# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
8/27/2021	21VP312	Net 30

\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\*

<b>Bill To:</b>
Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable

Job Name	Job #	PO #
218	21TN0001	

**Description:**

Quantity	Description	Unit Price	Amount
1	Attached is a breakdown of this invoice	2,677.16	2,677.16

ITEM TOTAL	2,677.16
RETENTION	-133.86
<b>TOTAL AMOUNT</b>	<b>2,543.30</b>

**Please remit payment to:**

Thayer Power and Communication Line Construction Co.,LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
---

BARC Unit Billing Sheet						
Date Worked:	8/7/21 to 8/25/2021	WO#	84000			
Customer:	Barc Electric (Vantage Point)					
Job Cost:	21TN0001					
Close PO: Yes	NO - NO					
Location:	Glasgow					
Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BDO5 pedestal	Foot		\$90.00	\$329.00	\$0.00
BFO 12	12 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO12I	Install 12 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24	24 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 24I	Install 24 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48	48 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 48I	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot		\$5.50	\$0.05	\$0.00
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO 48I &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 144I &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48 D	Install 48 FSM w/144 FSM mentioned above	Foot		\$0.60	\$0.01	\$0.00
BHP (12x24x18)	Install traffic rated handhole	Each		\$155.00	\$35.00	\$0.00
BHP(30x48x36)/T	Install traffic rated handhole	Each		\$175.00	\$39.00	\$0.00
BM2(3/8x8)	Install ground rod	Each		\$23.00	\$23.41	\$0.00
BM 53	Install buried fiber warning post	Each		\$41.00	\$28.18	\$0.00
BM61(2)D	Directional bore a 2" conduit	Foot		\$9.20	\$0.27	\$0.00
BM71	Rock trench (cable install is a separate unit)	Foot		\$35.00	\$0.40	\$0.00
BM81	Install a 2" x 8' riser guard	Each	1	\$23.00	\$30.81	\$53.81
BM83	Install drop riser	Each	1	\$29.00	\$3.55	\$32.55
BM61(2)DR	Directional bore a 2" conduit in rock	Foot		\$35.00	\$0.27	\$0.00
WBHF	Rearrange handhole	Each		\$245.00	\$0.00	\$0.00
XXBHF	Remove handhole	Each		\$250.00	\$75.00	\$0.00
<b>Aerial/Fiber Units</b>						
CO 12	12 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 12(6M)	Place 6M strand & lash a 12 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 12(10M)	Place 10M strand & lash a 12 FSM cable	Foot		\$2.10	\$0.11	\$0.00
CO 24	24 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 24(6M)	Place 6M strand & lash a 24 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 48	48 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 48(6M)	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 144	144 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 144(6M)	Place 6M strand & lash a 144 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 288	288 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 288(6M)	Place 6M strand & lash a 288 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 48(6M)D	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 12 D	Lash 12 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO 24 D	Lash 24 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO48 D	Lash 48 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
<b>Fiber Splicing Units</b>						
HACO(M)	Install medium aerial closure	Each		\$495.00	\$153.00	\$0.00
HACO(S)	Install small aerial closure	Each		\$420.00	\$137.00	\$0.00
HACOSP(1)(32)	Install medium aerial closure w/1 splitter	Each		\$700.00	\$173.00	\$0.00
HACOSP(2)(32)	Install medium aerial closure w/2 splitters	Each		\$710.00	\$268.00	\$0.00
HACOSP(3)(32)	Install medium aerial closure w/3 splitters	Each		\$720.00	\$364.00	\$0.00
HBFO(S)	Install small closure in HH	Each		\$420.00	\$35.00	\$0.00
HO-1	Splice & test a single fiber	Each	10	\$32.50	\$0.30	\$328.00
ONTHS	Install ONT Housing	Each	5	\$165.00	\$21.00	\$930.00
<b>Anchors, DG's &amp; OHG's</b>						
PE1-2G	Install 10M DG w/bond	Each		\$60.00	\$55.00	\$0.00
PE2-2G	Install 10M OHG w/bond	Each		\$80.00	\$166.00	\$0.00
PF 3-3A	Install PISA	Each		\$233.00	\$59.00	\$0.00
PF5-3A	Install rock anchor	Each		\$275.00	\$85.00	\$0.00
<b>Miscellaneous Assembly Units</b>						
PM11	Install guy guard	Each		\$4.00	\$3.90	\$0.00
PM2A	Attach new strand to existing vertical ground	Each		\$15.00	\$6.00	\$0.00
PMSS	Place a storage loop	Each		\$165.00	\$48.00	\$0.00
WC-DE	Transfer Dead End	Each		\$94.00	\$17.66	\$0.00
WC-1	Move inline	Each		\$35.00	\$4.00	\$0.00
WC-2	Move Dead End	Each		\$94.00	\$17.66	\$0.00
WHACO	Re-enter splice closure	Each	2	\$130.00	\$58.00	\$376.00
WPE-1	Transfer phone or CATV to new anchor	Each		\$72.00	\$7.25	\$0.00
<b>Service Entrance Assembly Units</b>						
SEAO 4	Install aerial flat drop	Foot		\$1.00	\$0.09	\$0.00
SEAO 4(6M)	Install 6M strand & lash aerial flat drop	Foot		\$2.15	\$0.18	\$0.00
SEBO 4	Install buried flat drop	Foot	416	\$2.25	\$0.05	\$956.80
<b>Total Billing Amount</b>						<b>\$2,677.16</b>



# 53

# Invoice

12345 Worthington Rd NW  
Pataskala, OH 43062

Date	Invoice #	Terms
8/27/2021	21VP313	Net 30

\*\*\*\*\* PLEASE REMIT PAYMENT TO NEW PATASKALA ADDRESS BELOW \*\*\*\*\*

<b>Bill To:</b>
Barc Electric Cooperative P.O. Box 264 Millboro, VA 24460-0264 Attn: Accounts Payable

Job Name	Job #	PO #
84002	21TN0006	

**Description:**

Quantity	Description	Unit Price	Amount
1	Attached is a breakdown of this invoice	16,150.66	16,150.66

ITEM TOTAL 16,150.66  
RETENTION -807.53

**TOTAL AMOUNT 15,343.13**

**Please remit payment to:**

Thayer Power and Communication Line Construction Co.,LLC 12345 Worthington Rd NW Pataskala, OH 43062 (740) 927-0021
---

BARC Unit Billing Sheet						
Date Worked:	8/7/21 to 8/25/21	WO#	B4002			
Customer:	Barc Electric (Vantage Point)					
Job Cost:	21TN0008					
Close PO:	Yes NO - NO					
Location:	Cornwall E					
Unit Code	Unit Description	Unit of Measure	Billable Units	Labor Cost	TPC Material Cost	Billing Amount
<b>Buried Units</b>						
BDO5	Install BD5 pedestal	Foot		\$90.00	\$329.00	\$0.00
BFO 12	12 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO121	Install 12 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24	24 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 241	Install 24 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48	48 FSM loops/slack	Foot		\$4.20	\$0.05	\$0.00
BFO 481	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFOV(1x1.25)	Install a single 1.25" innerduct	Foot		\$5.50	\$0.05	\$0.00
BFOV(2x1.25)	Install two 1.25" innerducts	Foot		\$7.25	\$0.05	\$0.00
BFO 481 &	Install 48 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 24 D	Install 24 FSM w/48 FSM mentioned above	Foot		\$0.60	\$0.00	\$0.00
BFO 1441 &	Install 144 FSM in innerduct	Foot		\$1.15	\$0.08	\$0.00
BFO 48 D	Install 48 FSM w/144 FSM mentioned above	Foot		\$0.60	\$0.01	\$0.00
BHF (12x24x18)	Install traffic rated handhole	Each		\$155.00	\$35.00	\$0.00
BHF(30x48x36)T	Install traffic rated handhole	Each		\$175.00	\$39.00	\$0.00
BM2(5/8)(8)	Install ground rod	Each		\$23.00	\$23.41	\$0.00
BM 53	Install buried fiber warning post	Each		\$41.00	\$28.18	\$0.00
BM61(2)D	Directional bore a 2" conduit	Foot		\$9.20	\$0.27	\$0.00
BM71	Rock trench (cable install is a separate unit)	Foot		\$35.00	\$0.40	\$0.00
BM81	Install a 2" x 8' riser guard	Each	4	\$23.00	\$30.81	\$215.24
BM83	Install drop riser	Each		\$29.00	\$3.55	\$0.00
BM61(2)DR	Directional bore a 2" conduit in rock	Foot		\$35.00	\$0.27	\$0.00
WBHF	Rearrange handhole	Each		\$245.00	\$0.00	\$0.00
XXBHF	Remove handhole	Each		\$250.00	\$75.00	\$0.00
<b>Aerial Fiber Units</b>						
CO 12	12 FSM coil/slack	Foot	120	\$1.05	\$0.03	\$129.60
CO 12(6M)	Place 6M strand & lash a 12 FSM cable	Foot	1028	\$2.05	\$0.09	\$2,199.92
CO 12(10M)	Place 10M strand & lash a 12 FSM cable	Foot		\$2.10	\$0.11	\$0.00
CO 24	24 FSM coil/slack	Foot	200	\$1.05	\$0.03	\$216.00
CO 24(6M)	Place 6M strand & lash a 24 FSM cable	Foot	2430	\$2.05	\$0.09	\$5,200.20
CO 48	48 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 48(6M)	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 144	144 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 144(6M)	Place 6M strand & lash a 144 FSM cable	Foot		\$2.05	\$0.09	\$0.00
CO 288	288 FSM coil/slack	Foot		\$1.05	\$0.03	\$0.00
CO 288(6M)	Place 6M strand & lash a 288 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 48(6M)D	Place 6M strand & lash a 48 FSM cable	Foot		\$2.05	\$0.09	\$0.00
& CO 12 D	Lash 12 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO 24 D	Lash 24 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
& CO48 D	Lash 48 FSM w/another cable	Foot		\$1.05	\$0.03	\$0.00
<b>Fiber Splicing Units</b>						
HACO(M)	Install medium aerial closure	Each		\$495.00	\$153.00	\$0.00
HACOS)	Install small aerial closure	Each	3	\$420.00	\$137.00	\$1,671.00
HACOSP(1)(32)	Install medium aerial closure w/1 splitter	Each		\$700.00	\$173.00	\$0.00
HACOSP(2)(32)	Install medium aerial closure w/2 splitters	Each		\$710.00	\$268.00	\$0.00
HACOSP(3)(32)	Install medium aerial closure w/3 splitters	Each		\$720.00	\$364.00	\$0.00
HBFO(S)	Install small closure in HH	Each		\$420.00	\$35.00	\$0.00
HO-1	Splice & test a single fiber	Each	154	\$32.50	\$0.30	\$5,051.20
ONTHS	Install ONT Housing	Each	2	\$165.00	\$21.00	\$372.00
<b>anchors, DG's &amp; OHG's</b>						
PE1-2G	Install 10M DG w/bond	Each	5	\$60.00	\$55.00	\$575.00
PE2-2G	Install 10M OHG w/bond	Each		\$80.00	\$166.00	\$0.00
PF 3-3A	Install PISA	Each		\$233.00	\$59.00	\$0.00
PF5-3A	Install rock anchor	Each		\$275.00	\$85.00	\$0.00
<b>Miscellaneous Assembly Units</b>						
PM11	Install guy guard	Each	5	\$4.00	\$3.90	\$39.50
PM2A	Attach new strand to existing vertical ground	Each	5	\$15.00	\$6.00	\$105.00
PMSS	Place a storage loop	Each		\$165.00	\$48.00	\$0.00
WC-DE	Transfer Dead End	Each		\$94.00	\$17.66	\$0.00
WC-1	Move inline	Each		\$55.00	\$4.00	\$0.00
WC-2	Move Dead End	Each		\$94.00	\$17.66	\$0.00
WHACO	Re-enter splice closure	Each	2	\$130.00	\$58.00	\$376.00
WPE-1	Transfer phone or CATV to new anchor	Each		\$72.00	\$7.25	\$0.00
<b>Total Billing Amount</b>						<b>\$16,150.66</b>

<b>TITLE</b>	2021-09-03 Purchase Request Form - Thayer
<b>FILE NAME</b>	2021-09-03 Purcha...Form - Thayer.pdf
<b>DOCUMENT ID</b>	de7d0fedced23bf755c65c1ec88a0e1bc11fca4c
<b>AUDIT TRAIL DATE FORMAT</b>	MM / DD / YYYY
<b>STATUS</b>	● Completed

## Document History



SENT

**09 / 03 / 2021**  
 17:45:15 UTC

Sent for signature to Mike Keyser (mkeyser@barcelectric.com) and Chris Botulinski (cbotulinski@barcelectric.com) from cperdue@barcelectric.com  
 IP: 216.55.240.152



VIEWED

**09 / 03 / 2021**  
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COMPLETED

**09 / 03 / 2021**  
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The document has been completed.

## DERIVATION OF COSTS ITEM 6

### SERVICE DROP CONSTRUCTION, RESIDENTIAL



Project 2 (RANA) - Documentation of Supporting Costs



12216 Washington Hwy, Ashland VA 23005

804-382-2194

Preliminary Cost for Mechanicsville Build for Coastal Fiber

Mechanicsville Backbone Construction - 1.7 miles Mechanicsville	\$102,000 /mile	Includes all materials, fiber, conduit, handboxes w/concrete pads where required, splicing, etc. Assumes 20% rock
Mechanicsville Lateral Construction - 16.1 miles Mechanicsville	\$93,000 /mile	Includes all materials, fiber, conduit, handboxes w/concrete pads where required, splicing, etc. Assumes 20% rock.
Drop Construction	\$6500 per drop	Average drop 1500 feet
Mechanicsville Project Backbone/Laterals - build time	7 Months Backbone / Laterals build time	The amount of drilling vs rock adder will impact the timing.
Mechanicsville Project 161 Customer Drops - build time	100 days	
Traffic Control	120 days @\$1500/day	

# Form 477 Filing Summary

FRN:  
0002073427

Data as of:  
Jun 30, 2021

Operations:  
Non-ILEC

Submission Status:  
Original - Submitted

Last Updated:  
Sep 9, 2021 02:19  
PM

## Filer Identification

Section	Field	Response
Filer Information	Company Name	BARConnects, LLC
	Holding Company Name	BARC Electric Cooperative
	Filing Type	Non-ILEC
	SAC ID	196141
	499 ID	826973
Data Contact Information	Data Contact Name	Michael Keyser
	Data Contact Phone Number	(800) 846-2272
	Data Contact E-mail	mkeyser@barcelectric.com
Emergency Operations Contact Information	Emergency Operations Name	Michael Keyser
	Emergency Operations Phone Number	(800) 846-2272
	Emergency Operations E-mail	mkeyser@barcelectric.com
Certifying Official Contact Information	Certifying Official Name	Michael Keyser
	Certifying Official Phone Number	(800) 846-2272
	Certifying Official E-mail	mkeyser@barcelectric.com

## Data Submitted

Form Section	File Name	Date & Time	Number of Rows
Fixed Broadband Deployment	FBD_BARC_06302021.csv	Sep 9, 2021 02:15 PM	1,502
Fixed Broadband Subscription	FBS_BARC_06302021.csv	Sep 3, 2021 12:26 PM	55
Fixed Voice Subscription	FVS_BARC_06302021.csv	Sep 2, 2021 09:14 AM	8

## Fixed Broadband Deployment

### Census Block Counts by State, DBA Name and Technology

State	DBA Name	Technology	Blocks
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State	DBA Name	Technology	Blocks
Virginia	BARC	Optical Carrier/Fiber to the End User	1,502
<b>Total</b>			<b>1,502</b>

## Fixed Broadband Subscription

### Fixed Broadband Subscriptions by State, Technology and End User Type

State	Technology	Census Tracts	Subscriptions		
			Consumer	Business/Govt.	Total
Virginia	Optical Carrier/Fiber to the End User	55	2,830	143	2,973
<b>Total</b>		<b>55</b>	<b>2,830</b>	<b>143</b>	<b>2,973</b>

### Fixed Broadband Subscriptions by Bandwidths and End User Type

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business/Govt.	Total
25.000	5.000	1	0	1
25.000	25.000	0	2	2
50.000	10.000	705	12	717
50.000	50.000	0	5	5
100.000	50.000	919	34	953
100.000	100.000	0	41	41
250.000	125.000	1,166	35	1,201
250.000	250.000	0	10	10
500.000	250.000	39	0	39
500.000	500.000	0	1	1
1,000.000	1,000.000	0	3	3
<b>Total</b>		<b>2,830</b>	<b>143</b>	<b>2,973</b>

### Fixed Broadband Subscriptions by Technology, Bandwidths and End User Type

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business/Govt.	Total
Optical Carrier/Fiber to the End User	25.000	5.000	1	0	1
	25.000	25.000	0	2	2
	50.000	10.000	705	12	717
	50.000	50.000	0	5	5
	100.000	50.000	919	34	953
	100.000	100.000	0	41	41

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business/Govt.	Total
	250.000	125.000	1,166	35	1,201
	250.000	250.000	0	10	10
	500.000	250.000	39	0	39
	500.000	500.000	0	1	1
	1,000.000	1,000.000	0	3	3
<b>Total</b>			<b>2,830</b>	<b>143</b>	<b>2,973</b>

## Fixed Voice Subscription

### VGE Lines and VoIP Subscriptions by State and End User Type

State	Total VGE Lines	Consumer VGE Lines	Total VoIP Subscriptions	Consumer VoIP Subscriptions
Virginia	0	0	1,039	923
<b>Total</b>	<b>0</b>	<b>0</b>	<b>1,039</b>	<b>923</b>

## Fixed Voice Subscription (iVoIP)

### Over-the-Top VoIP Subscriptions by State and End User Type

State	Total	Consumer	Business/Govt.
Virginia	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>

### All Other VoIP Subscriptions by State, End User Type, Bundle and Last-Mile Medium

State	Total	by End User Type		by Bundle		by Last-Mile Medium			
		Consumer	Business/Govt.	Sold w/ Internet	Sold w/o Internet	FTTP	Coax	Fixed Wireless	Copper
Virginia	1,039	923	116	1,039	0	1,039	0	0	0
<b>Total</b>	<b>1,039</b>	<b>923</b>	<b>116</b>	<b>1,039</b>	<b>0</b>	<b>1,039</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Reminder: You must continue to use Census 2010 geographic codes in FCC Form 477.**

For help or assistance, please contact (877) 480-3201 or (717) 338-2834 (TTY) or you may submit an [online e-support ticket](#).

[TTY: 1-888-835-5322](tel:1-888-835-5322)

[Videophone: 1-844-432-2275](tel:1-844-432-2275)

[Fax: 1-866-418-0232](tel:1-866-418-0232)

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(RETAIN FOR YOUR RECORDS)  
Form 477 Filing Summary

FRN: 0002073427 | Data as of: Dec 31, 2020 | Operations: Non-ILEC | Submission Status: Revised - Submitted | Last Updated: Apr 19, 2021 13:19:52

**Filer  
Identification**

Section	Question	Response
<b>Filer Information</b>	Company Name	BARConnects, LLC
	Holding Company Name	BARC Electric Cooperative
	SAC ID	196141
	499 ID	826973
<b>Data Contact Information</b>	Data Contact Name	Michael Keyser
	Data Contact Phone Number	(800) 846-2272
	Data Contact E-mail	mkeyser@barcelectric.com
<b>Emergency Operations Contact Information</b>	Emergency Operations Name	Michael Keyser
	Emergency Operations Phone Number	(800) 846-2272
	Emergency Operations E-mail	mkeyser@barcelectric.com
<b>Certifying Official Contact Information</b>	Certifying Official Name	Michael Keyser
	Certifying Official Phone Number	(800) 846-2272
	Certifying Official E-mail	mkeyser@barcelectric.com

## Data Submitted

Form Section	File Name	Date & Time	Number of Rows
Fixed Broadband Deployment	FBD_BARC_12312020.csv	Apr 19, 2021 13:13:40	1180
Fixed Broadband Subscription	FBS_BARC_12312020_Revision.csv	Apr 19, 2021 13:16:03	45
Fixed Voice Subscription	FVS_BARC_12312020.csv	Apr 19, 2021 13:13:40	6

## Fixed Broadband Deployment

### Census Block Counts by State, DBA Name and Technology

State	DBA Name	Technology	Blocks
Virginia	BARC	Optical Carrier/Fiber to the End User	1180
<b>Total</b>			<b>1180</b>

## Fixed Broadband Subscription

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

State	Technology	Census Tracts	Subscriptions		
			Consumer	Business / Govt	Total
Virginia	Optical Carrier/Fiber to the End User	45	2342	117	2459
<b>Total</b>		<b>45</b>	<b>2342</b>	<b>117</b>	<b>2459</b>

### Fixed Broadband Subscriptions by Bandwidths and End-user Type

Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
25.000	5.000	1	1	2
25.000	25.000	0	3	3
50.000	10.000	602	12	614



Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
50.000	50.000	0	6	6
100.000	50.000	762	21	783
100.000	100.000	0	30	30
250.000	125.000	945	25	970
250.000	250.000	0	12	12
500.000	250.000	32	0	32
500.000	500.000	0	1	1
1000.000	1000.000	0	4	4
2000.000	2000.000	0	2	2
<b>Total</b>		<b>2342</b>	<b>117</b>	<b>2459</b>

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

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
<b>Optical Carrier/Fiber to the End User</b>	25.000	5.000	1	1	2
	25.000	25.000	0	3	3
	50.000	10.000	602	12	614
	50.000	50.000	0	6	6
	100.000	50.000	762	21	783
	100.000	100.000	0	30	30
	250.000	125.000	945	25	970

Technology	Downstream Bandwidth (in Mbps)	Upstream Bandwidth (in Mbps)	Consumer	Business / Govt	Total
	250.000	250.000	0	12	12
	500.000	250.000	32	0	32
	500.000	500.000	0	1	1
	1000.000	1000.000	0	4	4
	2000.000	2000.000	0	2	2
<b>Total</b>			<b>2342</b>	<b>117</b>	<b>2459</b>

## Fixed Voice Subscription

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

State	Total VGE Lines	Consumer VGE Lines	Total VoIP Subscriptions	Consumer VoIP Subscriptions
Virginia	0	0	846	754
<b>Total</b>	<b>0</b>	<b>0</b>	<b>846</b>	<b>754</b>

## Fixed Voice Subscription (iVoIP)

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

State	Total	Consumer	Business / Govt
Virginia	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>

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

State	Total	by End-user Type		by Bundle		by Last-mile Medium			
		Consumer	Business / Government	Sold w/ Internet	Sold w/o Internet	FTTP	Coax	Fixed Wireless	Copper

State	Total	by End-user Type		by Bundle		by Last-mile Medium			
		Consumer	Business / Government	Sold w/ Internet	Sold w/o Internet	FTTP	Coax	Fixed Wireless	Copper
Virginia	846	754	92	846	0	846	0	0	0
<b>Total</b>	<b>846</b>	<b>754</b>	<b>92</b>	<b>846</b>	<b>0</b>	<b>846</b>	<b>0</b>	<b>0</b>	<b>0</b>

Attachment 16 – There is not wireless infrastructure for this project