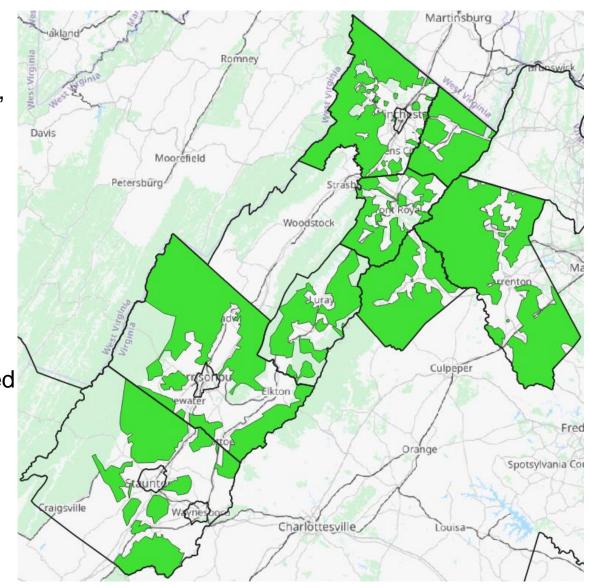


October 17, 2023

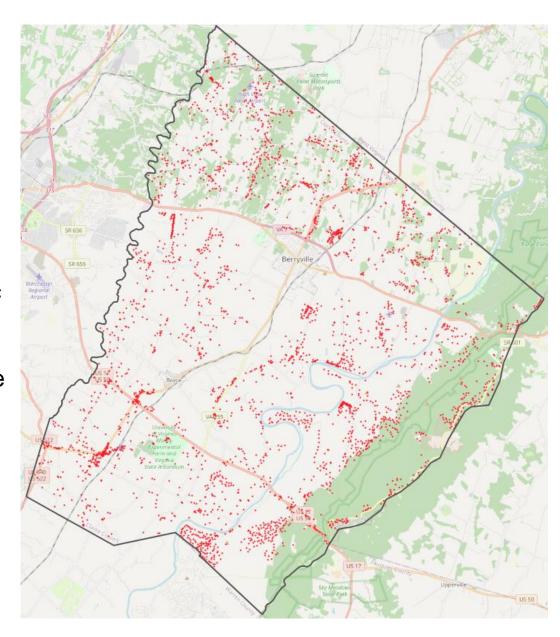
VATI Project Overview

- ~\$300M project
- VATI grant awarded 7/2022, starting 36-month project timeline for substantial completion
- ~3,100 miles distribution fiber and middle mile infrastructure
- Making FTTH broadband available to 41,690 unserved locations
- In partnership with Dominion, Rappahannock Electric Cooperative, Shenandoah Valley Electric Cooperative



Clarke Overview

- Partners:
 - Clarke County
 - NSVRC
 - All Points Broadband
 - Dominion Energy
 - Rappahannock Electric Cooperative
 - Shenandoah Valley Electric Cooperative
- ~270 miles of fiber infrastructure
- Connecting 3,278 currently unserved locations

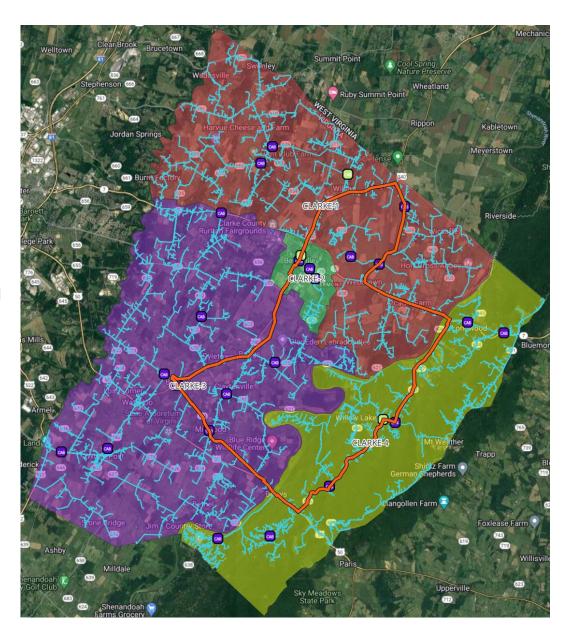


Project Status

- Key dependencies for last-mile deployment:
 - 1) Middle mile capacity in place
 - 2) Utility Make Ready
 - 3) Significant queue of constructable miles
- OSP materials deliveries on schedule and inventory levels consistent with plan
 - Reminder: APB does not seek reimbursement or report progress when materials are purchased, only when specific contract milestones achieved
- Project-wide low-level design and utility pole fielding underway in advance of attachment requests for tens of thousands of poles and make-ready construction for tens of thousands of poles

Countywide Network Layout

- 4 Fiber Service Areas designated based on location density, geography, and network redundancy
- 25 active and passive cabinets
- Redundant countywide fiber ring (orange)
- Field validation complete and QA/QC underway
- 1st VATI contract milestone to be achieved on schedule in Q4 2023



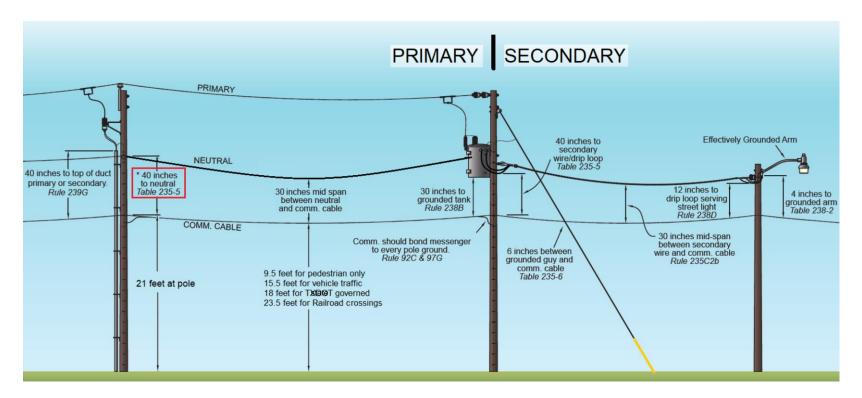
NSVRC Initiative Timeline

- Q3 2022: Low-level design underway
- Q1/Q2 2023: Make ready fielding, engineering and construction commence
- Q4 2023: APB/NSVRC and county partners collaborate to finalize newly eligible locations to add to project
 - Changes in eligibility and base mapping will create opportunity to extend fiber to additional locations
- Q2 2024: Last-mile fiber construction commences
 - Augusta County initial focus of construction activity
- Q1 2025: Projected commencement of Clarke County fiber construction
 - Primary schedule determinant is pole make ready cadence
- Q2 2025: Projected commencement of installations in completed FSAs in Clarke County
- Q3 2025: Substantial completion of last-mile network

What is on a Typical Pole?

A/B/C: 3-phase primary distribution wires (higher voltage, carrying power from substation) G: transformer (converts high voltage to lower voltage power for use by customers) D: power neutral wire (balances load on electrical system) J: power service drop (delivers power to end users) **K: Communications Attachments** (phone, cable and/or fiber)

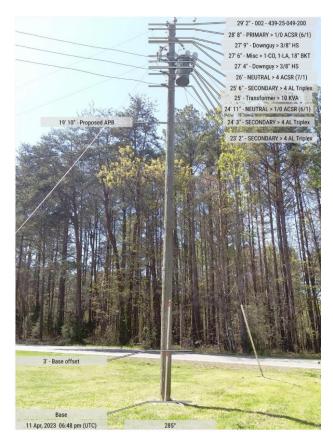
Why is Make Ready Required?



- The National Electric Safety Code (NESC) establishes certain minimum clearances that must be maintained between various components of the electric grid, telecommunications infrastructure, and the ground
- Some utilities condition access to their poles on compliance with requirements in addition to the NESC, such as the requirement to conduct Pole Loading Analysis (PLA) when certain conditions are present (span length, angle change, etc.)

What Does Make Ready Mean?

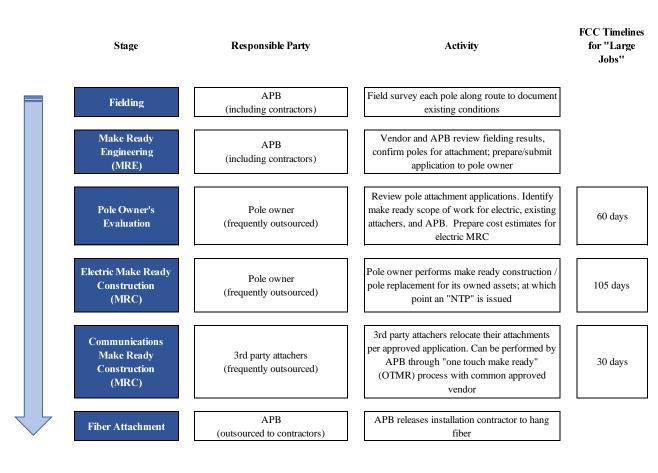
- Make ready is the process of preparing utility poles to accommodate new communications attachments
- Make ready generally consists of increasing clearances between lines and/or the ground through one or more of the following:
 - 1) relocating communications lines
 - 2) relocating electric equipment
 - 3) adding additional "mid-span" poles
 - 4) replacing existing poles with taller poles
- The first step in the make ready process is pole "fielding", during which data about current conditions is collected in the field to inform subsequent engineering and analysis





Make Ready Process Overview (oversimplified)

- FCC has established 165-day timeline for "large jobs"
- REC and SVEC have committed to achieving ~1,250 poles/month of NTPs (system-wide)
- APB, REC & SVEC are employing new methods and procedures to meet the shared challenge



Pole Attachment Status

- To date, APB has completed fielding on 15,364 poles
- 7,834 poles are currently pending pole owner review
- 1,054 poles have received Notice to Proceed (NTP)
- Oldest pending ticket 182 days old, average pending ticket 89 days old
- APB and utility partners ramping make ready cadence to ~4,500 poles/month

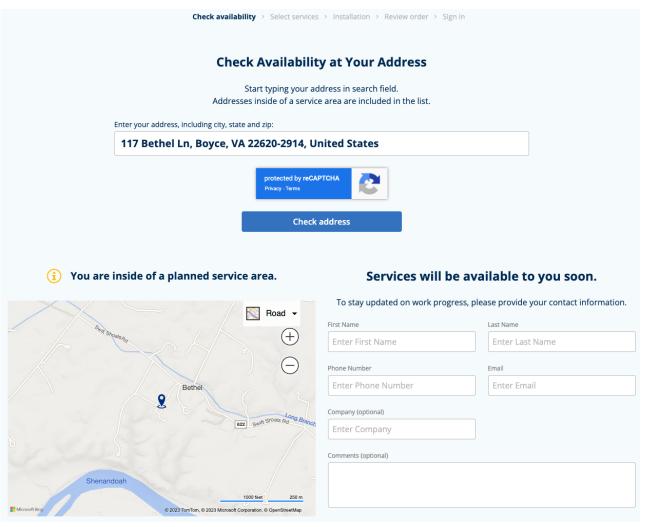


 The volume of make-ready work underway in Virginia (and nationally) is <u>unprecedented</u>

Remaining Eligible Locations Outside the FY22 VATI Project

- The FY22 VATI grant is set for the specific locations included in the polygons included with the application that were not successfully challenged – FY22 VATI grant funding cannot be used for locations outside the approved project
- Because of changes in eligibility criteria and shift to new federal mapping, there
 are additional locations outside the project area eligible for additional state and/or
 federal broadband funding in the future
- APB, NSVRC and County staff are actively working to identify specific solutions for newly eligible locations:
 - 1. APB direct investment
 - 2. FY24 BEAD program (no County match)
 - 3. Referral to other programs / providers
- How can Clarke help?
 - Send resident inquiries to APBfiber.com
 - Continue sharing data regarding other unserved areas/locations
 - Assume that most recent FCC data is more helpful but not 100% accurate

Customer Preregistration: APBfiber.com



We are on our way:

Service is planned for the address but not yet available. The resident should register the location and APB will notify them ~90 days ahead of serviceability

Preregister:

Remember to enter contact information and click "Go To Survey"

- No obligation
- · Opt-out anytime
- · Receive email notices

October Mailer To All Project Locations

CLARKE COUNTY HAS PARTNERED WITH ALL POINTS BROADBAND TO BRING YOU FIBER BROADBAND

COMING SOON: BLAZING-FAST FIBER ISHEADED TO YOUR HOME

You don't have to live with slow internet! Clarke County and All Points Broadband are working to bring fast, reliable fiber broadband internet to you.

Good news: Your location is included in the project!

Pre-register today at APBfiber.com to stay up to date on the project and be notified as soon as fiber is available for purchase.

WHAT ISHAPPENING NOW?



Make Ready

Utility Poles are being made ready for All Points Broadband fiber.

Construction

Construction crews will build the fiber network once the poles are ready.

APBfiber.com



Installation

All Points Broadband will contact pre-registered locations 90 days before service is available.

