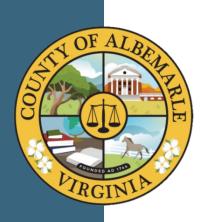


# VATI 2021 Project

10<sup>th</sup> Webinar September 2<sup>nd</sup>, 2022

> Jason Inofuentes Michael Culp



Agenda

- Welcome
- Introductions
- VATI and DHCD
- Project and Installation Delays
- Fiber drop charges
- Quantum Fiber Presentation
- Q&A



**Q**&A Function

Throughout today's webinar, please use the Q&A function of Zoom to ask questions. After our presentation we will open up to a question and answer period.



# Introductions

- Michael Culp, Director of Broadband Accessibility and Affordability Office (BAAO)
- o Jason Inofuentes, Program Manager of BAAO
- Steve Brewer, Director State & Local Government Affairs
- Heather Lee, Public Policy & Implementation
- Deloris Carroll, Director of Regulatory Policy
- Nancy Devinay, Field Marketing Manager



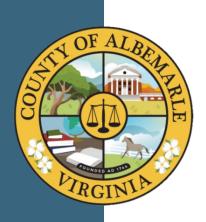
 Virginia Telecommunication Initiative



 Requires partnership between public body and private service provider

Albemarle Broadband Authority





- DHCD has committed \$2.3M state funding towards the VATI 2021 partnership with Lumen
- Ten project areas, involving >1600 new passings



Albemarle Broadband Authority





- Our office serves as the public liaison for this project, bringing resident concerns to Lumen, ABBA, and DHCD
- If you have questions or concerns you should reach out to us at <u>baao@albemarle.org</u>
- We are not merely an intermediary



- We have a long lens over this whole project, and where questions or concerns are founded we will share those appropriately
- If a resident shares a concern that is unfounded, we will respond to inform the resident of how their concern has already been addressed
- If a resident makes a request that is unwarranted or unallowable we will respond by explaining why that request cannot be honored.



- This does not mean you shouldn't share any concerns you have.
- It does mean that we're asking you to have trust in our answers.
- We make mistakes and when we do, we apologize, and we work to make sure we don't make that mistake again



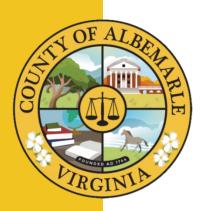
# Delayed Project Areas

- Milton Hills and the first Taylor's Gap Tranche continue to experience delays
- These delays are associated with equipment failures, geologic features, and weather
- Crews are continuing to work in these areas and we will provide an updated launch date by e-mail



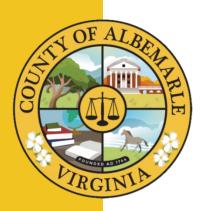
# Delayed Project Areas

- Rosemont Tranche will continue to experience delays as a shared private utility issue is resolved
- To prevent this issue in future project areas, our office will reach out to HoAs in the area to discuss marking shared private utilities
- Please consider reaching out to us if you know this may be an issue where you live



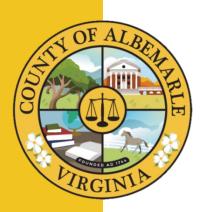
# Installation Delays

- At last count there were 29 households where service has been requested but installation has not yet occurred
- We continue to monitor this situation and have asked for improved communication with these households
- Causes for these delays can be equipment availability, crew availability, geologic features, and weather



# Installation Delays

- Lumen has committed to hiring additional installation techs to mitigate this issue
- Lumen has also committed to clearer communications when appointments are missed
- If you have a scheduled installation and it is missed without further communication from Lumen, please contact us at <u>baao@albemarle.org</u>



# Fiber Drop Charges

- At last month's meeting Lumen announced intentions to begin charging for line extensions
- The policy stated during the meeting differed from the agreement between Lumen, ABBA, and DHCD
- They will be honoring the agreement and in the event your line extension will entail charges, you will be informed prior to work beginning

# VATI 2021: Albemarle County

Community Meetings and Q&A Sept 1, 2022

Presented by: Steve Brewer Heather Lee Deloris Carroll Nancy DeVinay



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The Virginia Telecommunication Initiative (VATI) extends broadband service to currently unserved areas.

VATI prepares communities to build, utilize, and capitalize on telecommunications infrastructure with the goal of creating strong, competitive communities.

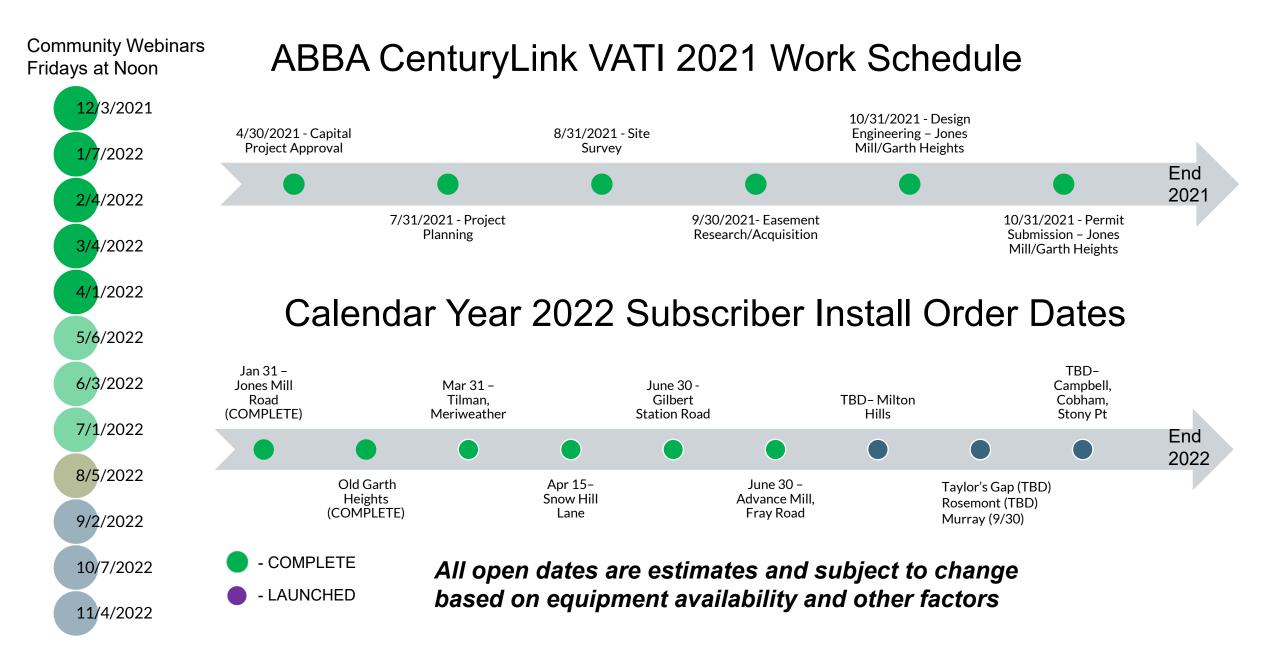
> This project was funded/supported in collaboration with the Commonwealth of Virginia Telecommunication Initiative.

# VATI 2021: Fiber Product

Investing in the future and our communities Enhancing property value Advantage over cable, 5G, and satellite internet technologies

CenturyLink Quantum FIBER





### 2021 VATI Locations & Estimated Launch Dates 2022

Jan 31 – Jones Mill Road and

Old Garth Heights (COMPLETE)

March 31- Tillman, Meriweather

April 22 - Snow Hill Lane\*\*

April 29 - Gilbert Station Road\*\*

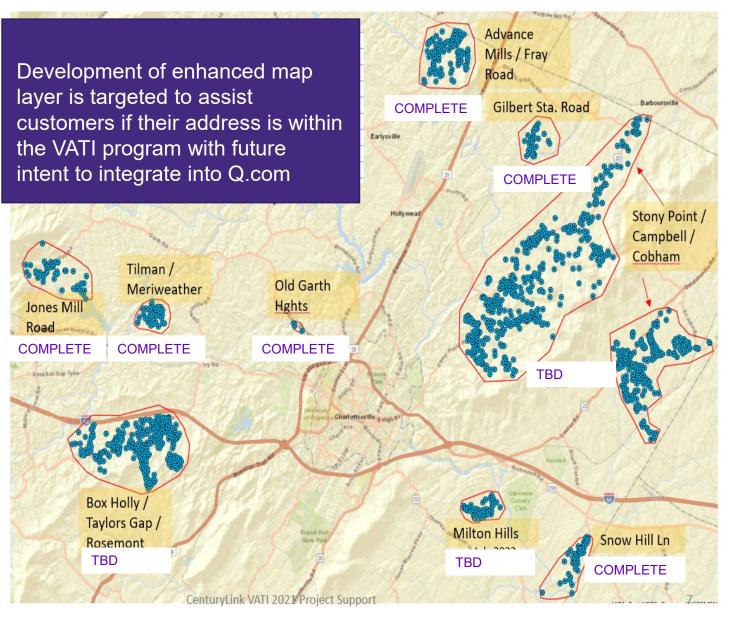
June 30 – Advance Mill, Fray Road\*\*

TBD – Milton Hills

Sep 30 – Box Holly tranches

- Taylors Gap TBD
- Rosemont TBD
- Murray 9/30/22

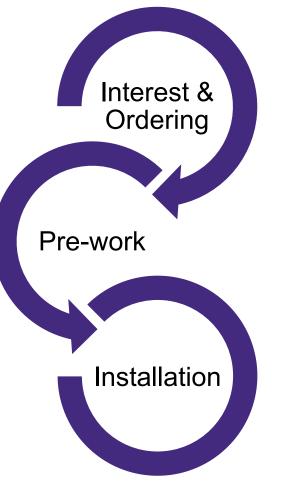
TBD – Campbell, Cobham, Stony Pt *Estimated Schedule as of September* 2022



\*\* When our engineering team designs for a build, things that might affect timelines are taken into consideration. We do our best to plan ahead but surprises still happen. Locally, we've encountered material shortages caused by global supply chain issues, as well as faced delays caused by buried water line locate issues. We're committed to expediting the completion of this project and we appreciate your patience.



# **Ordering to Installation- What to Expect**



# Interest & Ordering

- Quantum Fiber offers a fully digital online experience
- Let us know you're interested prior to Launch date at <u>http://www.q.com</u>
- Orders for Quantum Fiber are currently being taken as construction work is complete

# **Pre-Work**

- Initial due date will be 10 business days out for Buried Site Check to measure for your Fiber Drop
  - Miss Utility 811 Service; Utility locates are performed by a 3<sup>rd</sup> Party (allow up to 3 days excl weekends)
- You are responsible to locate private facilities such as electric dog fence or sprinkler system etc.
- Bury the fiber drop to your home (generally, performed within 10 business days by a 3<sup>rd</sup> Party)

# Installation

- 2hr Appt Arrival Windows; actual installation could take up to 4 hours
  - Communication updates on installation and tech activity
- Quantum Fiber technician will install your services
- Requires access to your home during the installation



# Get Started: Go to http://www.q.com

Why Quantum Fiber? What is Fiber? Products V Small Business

# Today's internet at tomorrow's speed.

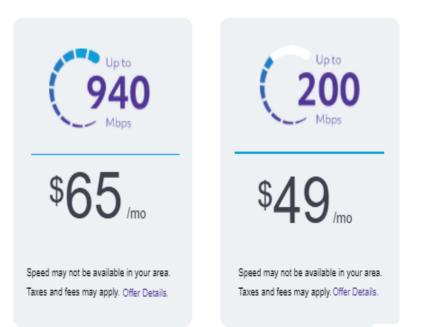
An ultra-fast connection with no annual

contracts tying you down-all backed

by 99.9% reliability\*.

\*Based on network uptime or availability





Check Availability

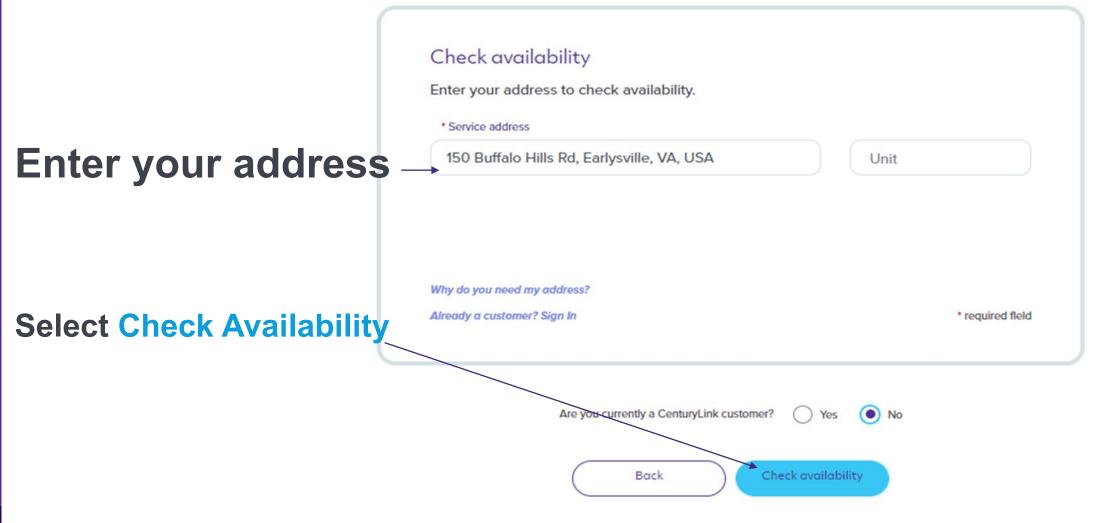


Sign In

Support



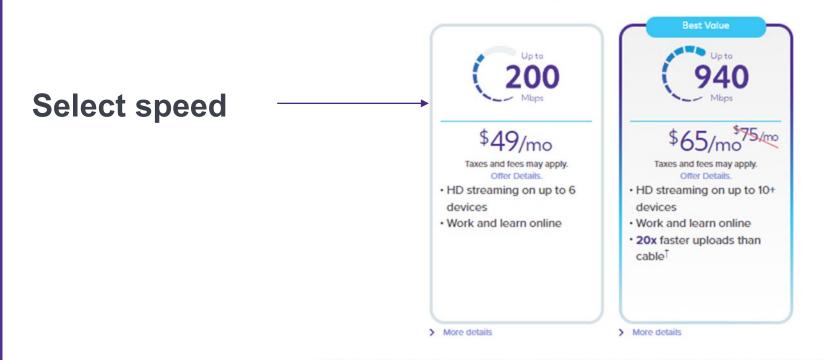
### Great! Let's get started





#### Congrats! You qualify for ultra-fast internet.

99.9% reliability\* - Unlimited data - No annual contract.

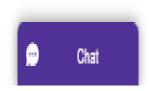


Maximum speeds, results from speed tests will vary, especially when other devices or applications are in use or when testing from a wireless connection.



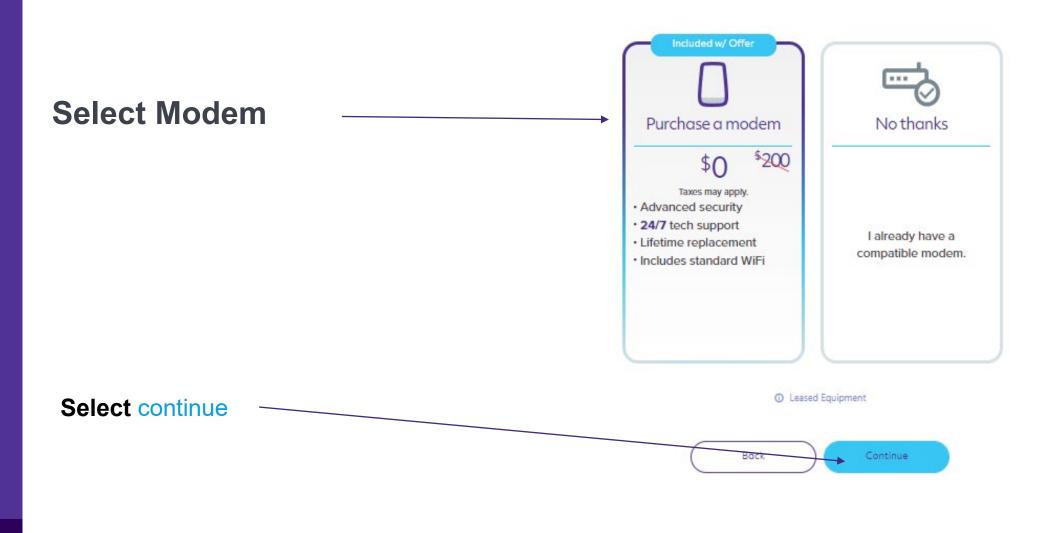
'Based on network uptime or availability.

<sup>†</sup>Comparison, as of 11/30/21, based on Quantum Fiber technology with wired upload speeds of up to 940 Mbps to major cable providers' 1GIG cable service over DOCSIS 3.1 technology with upload speeds of 35 Mbps.



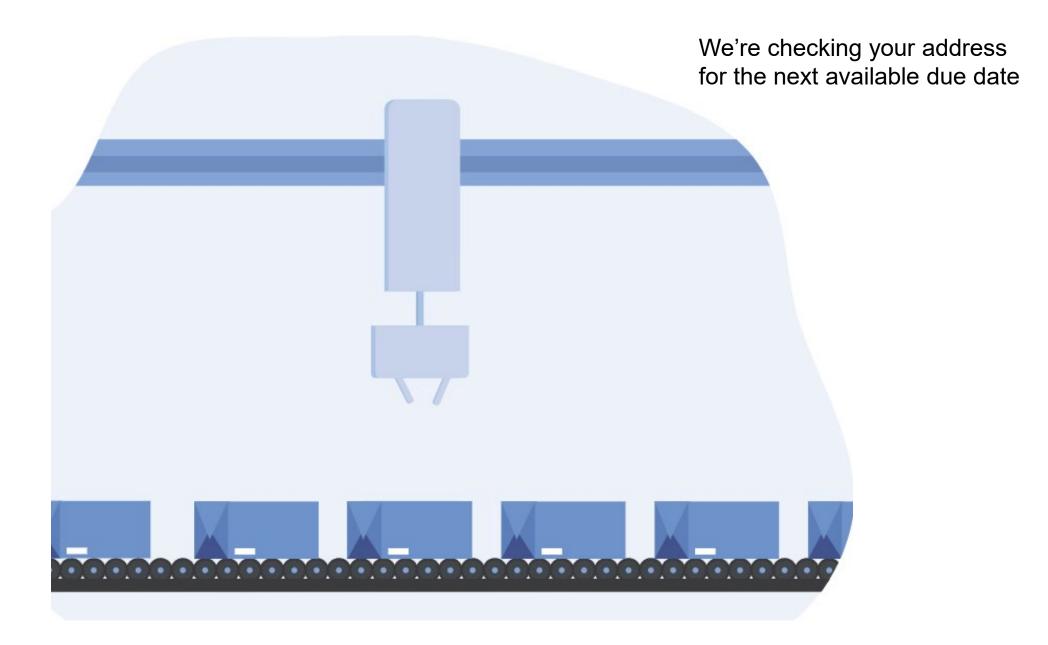


### Select the best option for you



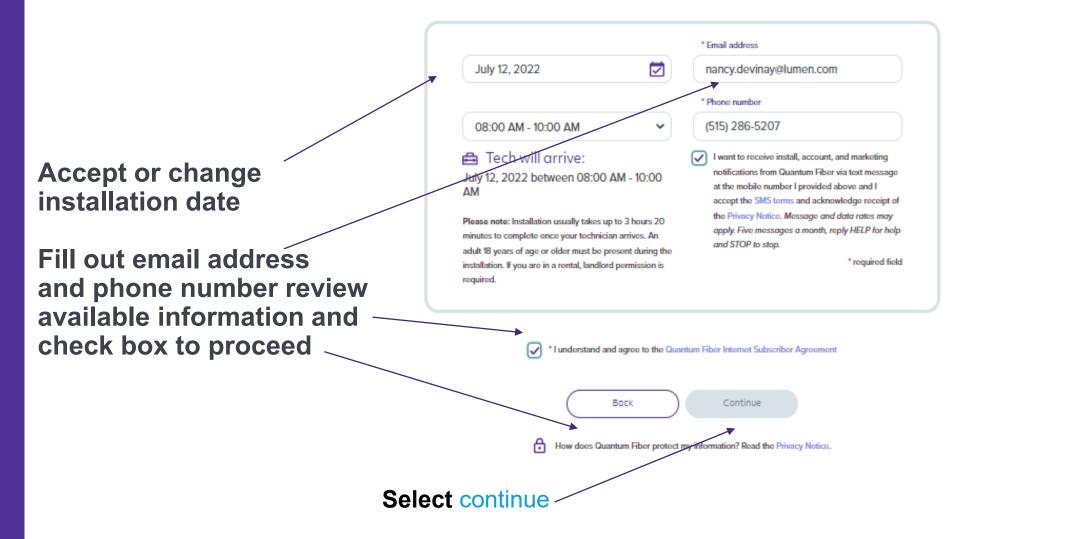


Chat



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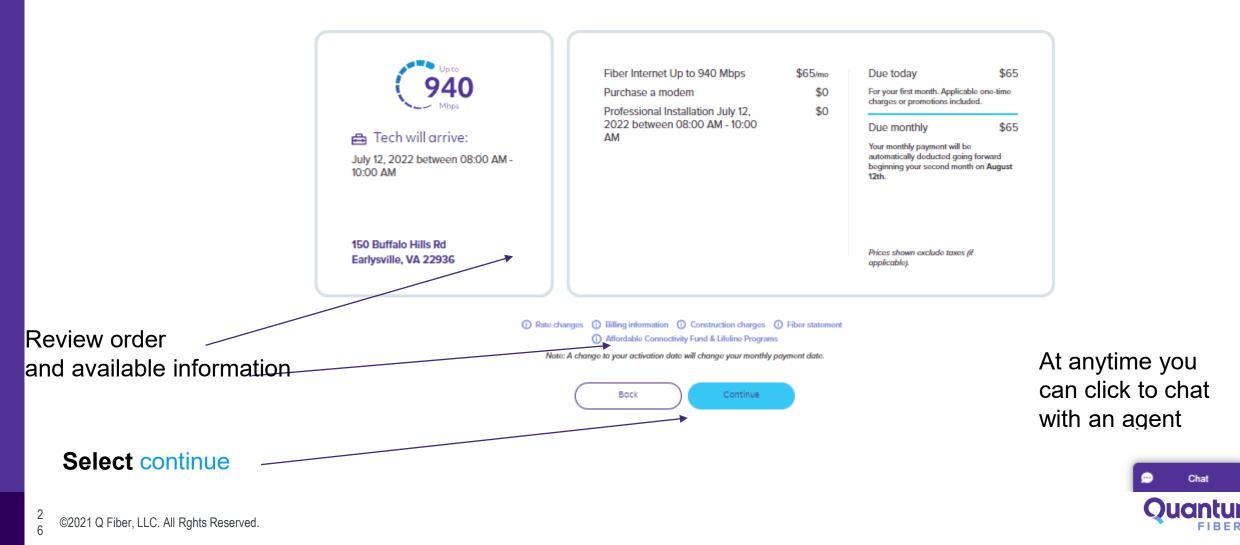
#### Choose your installation date and time





Chat

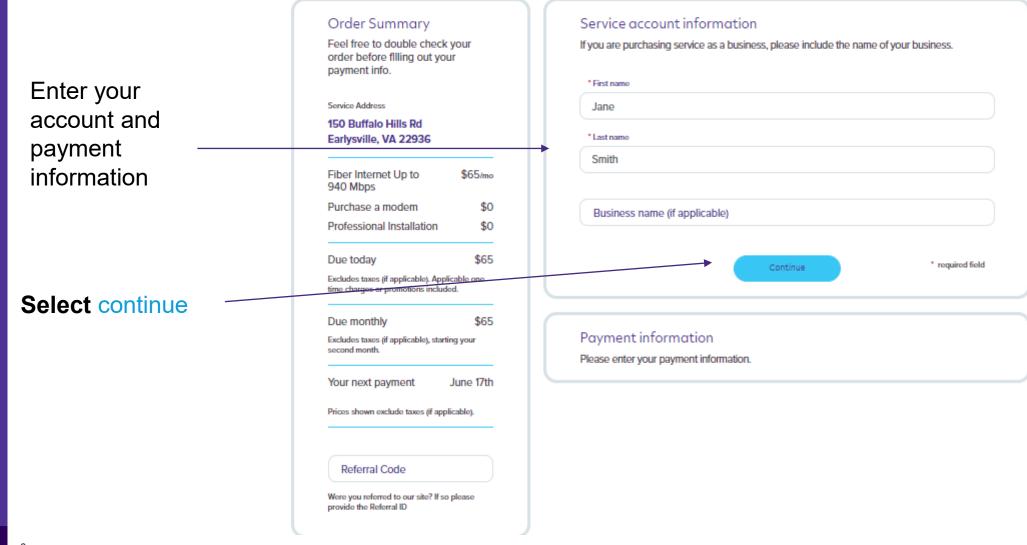
#### Review your order



#### Enter your payment information

Chat

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### **QF New Customer Internet Order Confirmation Page**



# Thanks for choosing Quantum Fiber!

Your installation has been scheduled and a confirmation will be sent to: tg@mailinator.com

#### 🖨 Tech will arrive:

March 01, 2022 between 08:00 AM - 10:00 AM

Please note: Installation usually takes up to 3 hours 20 minutes to complete once your technician arrives. An adult 18 years of age or older must be present during the installation. If you are in a rental, landlord permission is required.

Add to Calendar

#### Voice service available

If you are interested in adding voice service, please visit the Shop page when you sign in to the Account Management portal. There you can find more information on the great service available.

#### See additional offers

Purchase additional products and services through the Quantum Fiber marketplace.



Chat



### **Confirmation email**

Sent on:	2/1/2022 12:12:34 AM
From:	"Quantum Fiber" <notifications@q.quantumfiber.com></notifications@q.quantumfiber.com>
To:	<danl_b@hotmail.com></danl_b@hotmail.com>
CC:	
BCC:	
Subject:	Your Quantum Fiber order confirmation

View in browser window.

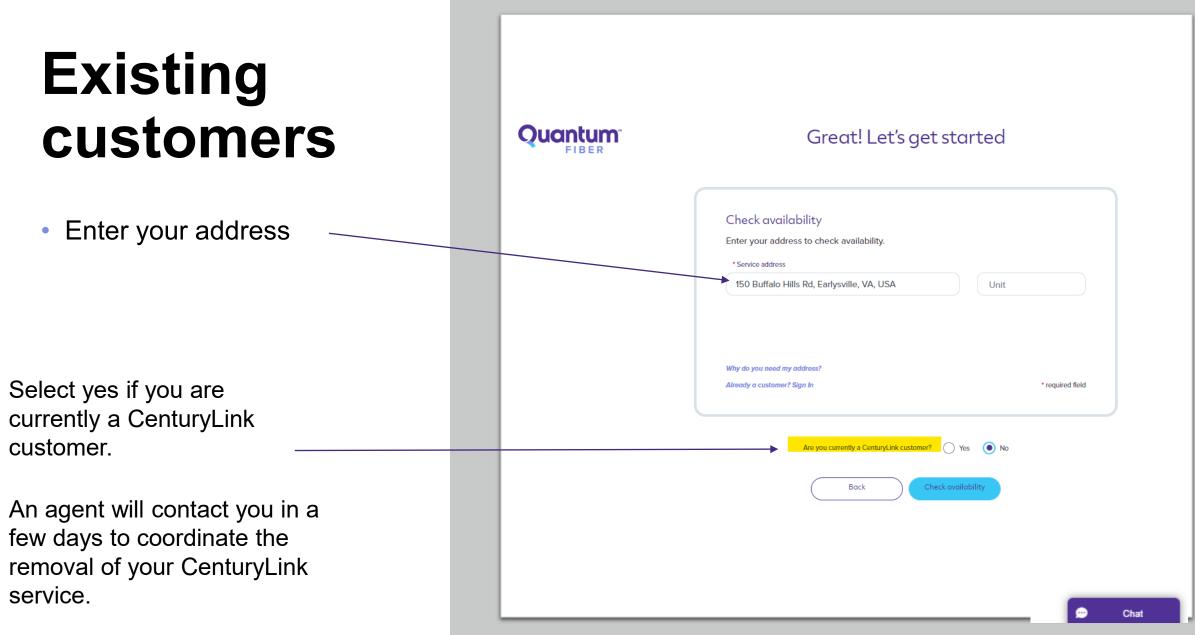
#### Your Quantum Fiber order confirmation

Dear Daniel,

Your installation has been scheduled --- you're ready to go!

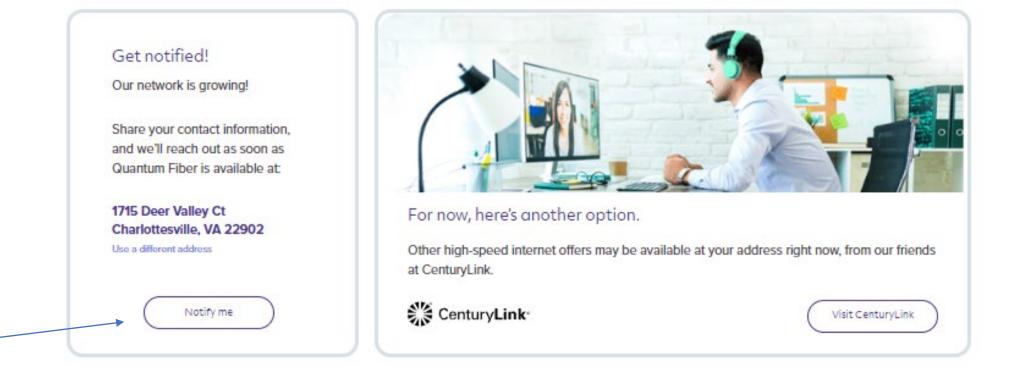
Thank you for choosing Quantum Fiber!





### We're not available at your address yet.

Good news, though. You still have options.





Chat

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#### Notify me

Please provide your email address. When Quantum Fiber Internet is available we will let you know.

	* First name	* Last name
Enter your contact information	* Email address By clicking the "Stay up to date" button below, I agree that I would like to receive emails about offers and marketing from Quantum Fiber at the email address provided.	Mobile number (optional)  I want to receive marketing notifications from Quantum Fiber via text messages at the mobile number I provided above and I accept the SMS terms and acknowledge receipt of the Privacy Notice. Message and data rates may apply. Five messages a month, reply HELP for help and STOP to stop. * required field

Back Stay up to date



Chat

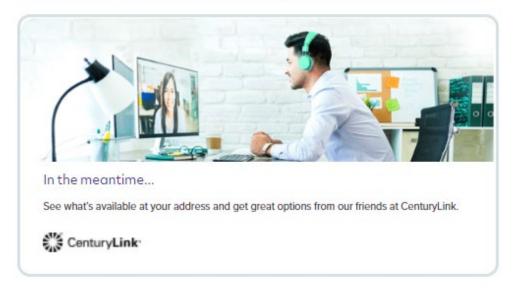
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#### Perfect, you're on the list!

When Quantum Fiber Internet is available at your location we will let you know.

You're on the list and will receive communication when Quantum Fiber internet is available at your home





💬 Chat



# **QF New Customer Shopping**

https://internet.quantumfiber.com/connected-voice/

Why Quantum Fiber? What

What is Fiber? Products Value Small Business

Check Availability

Sign In Help

# **Connected Voice.**

Ready for the digital tool that can transform how you communicate? You've made the right call. Connected Voice is designed with your connected life in mind. No matter how you message, meet, or call, get everything you need on one amazing platform.

Start Now



# **QF Existing Customers – Add Voice**

Quantum

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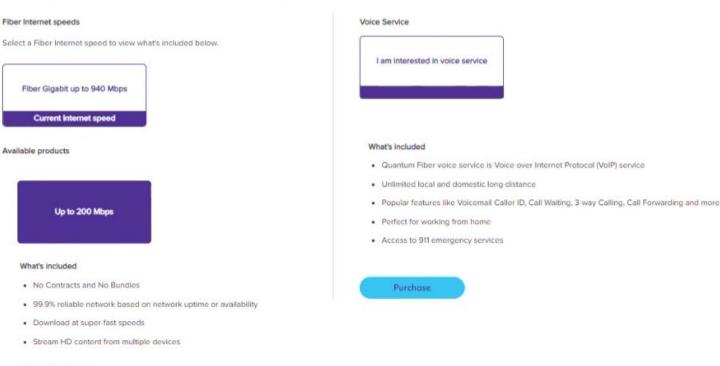
Home My payments My account My appointments Service and support Shop

# C Shop

#### Need to make a change or want to add a service? It's simple! See your options below.

#### Quantum Fiber products 360 WiFi Marketplace

Quantum Fiber has the speed to meet your household needs - for every device, every room, and every person. And, with the addition of our Digital Voice service, you will have the reliability and features you expect.





#### Up to 200 Mbps for:

# **Frequently Asked Questions**

Quantum

Why Quantum Fiber?

What is Fiber? Products

er? Products 🔻 Small Business

Check Availability

Support Sign In

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Get More Answers



# Support

	About Fiber Shop Fiber Business Fiber Accessories	Supp
Internet support > Equipment	support > Modem and equipment FAQs	
Equipment a	nd modem FAQs	

Learn about the hardware you need to enjoy your Quantum Fiber internet connection throughout your home or small business.

What kind of modem do I need?	~
What kind of WiFi equipment do I need?	~
Can I use my own modem?	~
Can I use my own router?	~
How do I reboot my modem?	~
What do the lights on the modem mean?	~
Can I use WiFi extenders or mesh devices?	~
What happens to my equipment if I cancel service?	~

Related topics

- 360 WIFI
- C4000XG modem user guid
- C5500XK modem user guid
- How to return a Quantum F
- Two ways to restart your me
- Third-party router information

Get Quantum Fiber	> Ordering and setting up new service
-------------------	---------------------------------------

#### Ordering and setting up Quantum Fiber service

So, you've decided to get Quantum Fiber. Great! Follow these steps to order service and get up and running.

I ordered service. What now?	
What should I expect with my installation?	~
How much is installation?	~
Can I reschedule my installation appointment?	~
What if I cancel service before my installation date?	~
I just ordered service. Where do I create my account?	~
How much is the modem?	~
Can I use my own modem?	~
My building has Instant WiFi. How can I use it?	~

#### Related topics

- CenturyLink to Quantum Fiber FAQs
- Learn more about Quantum Fiber befor you order



Sign in to your Quantum Fiber account

# Support - Equipment

#### Equipment and modem FAQs

Learn about the hardware you need to enjoy your Quantum Fiber internet connection throughout your home or small business.

#### What kind of modem do I need?

When you first became a Quantum Fiber customer (depending on your location and when you signed up), you either leased a stand-alone Quantum Fiber modem or had one installed in your home.

The **modem** is the device that connects your home or small business to the internet. It receives signals from the internet provider (that's us!) and translates them into data that all the devices on your network can understand.

#### If you have a Quantum Fiber modem, you will have one of these:



To use WIFI, you will also need the 360 WIFI mesh system or a wireless router.

#### Related topics

360 WIFI

 $\sim$ 

- C4000XG modem user guide
- C5500XK modem user guide
- How to return a Quantum Fiber modem
- Two ways to restart your modem
- Third-party router information

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# VATI - Frequently Asked Questions

This project was funded/supported in collaboration with the Commonwealth of Virginia Telecommunication Initiative.



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# VATI 2021: General Info

#### Q: Lumen, CenturyLink, Quantum Fiber – Can you help explain all the names?

A: Lumen is the parent company name of CenturyLink. Lumen is also the brand name for our global business and enterprise products and services. CenturyLink is our brand for phone and high-speed internet services primarily served by copper cables. If you have service in VATI grant area today, then you are under the CenturyLink brand. Quantum Fiber is our latest, new Fiber product using next generation systems for Fiber ordering and inventory system along with a new digital platform under the Lumen umbrella of products.

#### **Q: Will different sections of the project area be activated before others?**

A: The answer depends on which project area you are in. Some project areas will be activated in phases; others will be activated "all at once". Plan now to attend future webinars and keep an eye on our web version of these FAQs as we near activation phase.

# Q: I have an empty or partially "build ready" lot on which I plan to build. How do I proceed with making certain a "drop" is available for the lot?

A: Quantum Fiber is designing and building the network to accommodate additional homes and businesses that have not been built. Once an e-911 address has been established with the County you can contact the Broadband Accessibility and Affordability Office (baao@albemarle.org).

#### Q: Is 1Gig the speed I should expect if I'm connected wirelessly?

A: While surfing the web, streaming services is still incredibly fast on Quantum Fiber, the 940Mbps is measured as a wired service to your gateway.



# VATI 2021: Ordering Service

**Q:** What are the details of the current speed offerings, will they be metered like my satellite connection? A: Currently Quantum Fiber offers two speed packages: 200 Mbps and 940 Mbps. These speeds are symmetrical, so you have the same upload and download speed. Current offers may be found at **www.q.com**.

#### **Q**: How is the on-premise equipment for my connection powered?

A: The equipment you will receive is all powered by a normal household 110v power outlet and as an inside placement.

# Q: I am considering future construction on an undeveloped parcel. How do I make sure a fiber drop is available for that parcel?

A: The fiber network is being built to accommodate additional homes and businesses that have not been built yet. Prior to the completion of the project, but after an e-911 address has been established, consider contacting the Broadband Authority office (<u>baao@albemarle.org</u>) to coordinate possible inclusion in this project. Please allow up to two weeks for a response.

#### Q: I am a CenturyLink customer. How can I transfer my account to Quantum Fiber?

A: Just reach out to our Fiber Customer Success Team by calling 1-833-250-6306. They'll give you a unique link for you to transfer your account and will answer any questions that pop up during the change.



# VATI 2021: Voice Service

#### **Q: Will voice services be offered?**

A: Customers signing up for Quantum Fiber Internet can also order voice services, known as Connected Voice, over the same advanced fiber technology. Connected Voice Uses Voice over Internet Protocol (VOIP) to carry voice calls and allows you to use traditional home phones, or you can install software on a computer (Mac or Windows) or smartphone (available for iOS and Android) to make calls from your Connected Voice service.

# Q: Will our current CenturyLink provided phone numbers stay the same if we change to Connected Voice with Quantum Fiber?

A: Yes, you can keep your current CenturyLink phone number when you switch to Quantum Fiber.

#### Q: If I want to keep my CenturyLink DSL and landline service will I need to change anything?

A: There's no obligation to transition to Quantum Fiber; current customers can remain on their current plan. Lumen will communicate directly with impacted customers if there are any changes to service.

#### Q: I don't have reliable cell coverage at my location, will this project improve cell coverage?

A: Cell coverage will not be impacted by this project, but you could have improved service through your home wireless network with Quantum Fiber. If your cellular service provider offers a service typically called "Wi-Fi calling"; you may be able to set this up at no or some additional cost. Please contact your cellular service provider for more information.



# VATI 2021: Voice Service

#### **Q:** Will all the same features be available with Connected Voice service?

A: In addition to traditional phone features, Connected Voice includes additional call management features. You can find more information about available features at https://www.quantumfiber.com/support/connected-voice.html

#### **Q: Will Connected Voice be available during a power outage like a landline?**

A: Connected Voice service will not be available during a power outage unless the customer purchases a battery backup unit from Quantum Fiber or furnishes their own battery backup or uses an existing alternate power source during a power outage. Additional details can be found at: https://www.quantumfiber.com/support/connected-voice.html or <a href="https://precisionpowersolutions.com/product/pp36pb-12bbu-2-24d-shop/">https://precisionpowersolutions.com/product/pp36pb-12bbu-2-24d-shop/</a>

#### **Q:** Can I keep my landline and use the Fiber for internet only?

A: If customers choose to purchase a faster internet speed, we will transition both phone and Internet services to Quantum Fiber.



# VATI 2021: Fiber Drops (updated Sept 1, 2022)

### **Q: What's the next step after I order service?**

A: A technician will visit your house to complete a site survey to review and measure the line from the terminal along the road to the side of your house. The technician will put in the request for our contractor to bury the drop, which takes approximately 2 weeks.

# Q: What happens if I have private utilities on my property (propane lines, electric fence, private well, lighting, etc.)?

A: It is the homeowner's responsibility to contact a utility marking company to request **private utilities be located**. When Quantum Fiber locates are submitted to Miss Utility, they will only locate and mark for public utilities such as (electric, gas, cable, phone and only the lines along the road and going directly to your house).

### **Q:** Are there extra charges to install Fiber drop to my home?

**A**: If additional charges apply, they will be communicated with you prior to placement of the fiber drop.



# VATI 2021: Fiber Drops (as of May 5, 2022)

#### Q: What will be the depth of the "plowed in" fiber lines?

A: Generally, fiber drops going to your residential home will be at 12" inches deep.

#### Q: When will we know the locations of the fiber terminals?

A: We are currently working on construction plans; final placement will not be known until construction is under way. Lumen does not provide network maps containing our highly proprietary confidential critical infrastructure information with exception of government agencies under NDA.

#### Q: What does a fiber drop look like?

A: There are (2) types of fiber drops used today in our pre installation work. For shorter drop lengths, a small black fiber wire is used and may have multiple connections to make the entire length. If the drop length is much longer, we may opt to use an orange-colored wire that allows us to make a customized fiber drop length for your location.

#### Q: If a drop is cut, damaged by the homeowner or 3<sup>rd</sup> party, do I get a free replacement?

A: We know accidents happen but that's why we encourage everyone to contact Miss Utility to locate buried utilities public or private. If a damage does occur, Lumen will charge the responsible party for the damages.

**Q. is it possible to provide service before my drop is buried ?** A. Yes in some circumstances, if the drop is less than 250' and can be safely laid on the ground we can complete the installation for your service and have the drop buried later.





# Questions