

NCC Fiber to Your Home/Business
QUESTIONS AND ANSWERS REGARDING
FIBER TO THE PREMISE (FTTP)

WHAT IS FTTP?

Fiber to the Premise (FTTP) is the delivery of a communications signal over optical fiber from the operator's switching equipment all the way to a home or business. It replaces existing copper infrastructure such as telephone wires and coaxial cable, which has been providing you with telecommunication services for years. FTTP is the method of providing vastly higher bandwidth to consumers. It enables more robust video (TV), data (internet) and voice (landline telephone) services. FTTP offers more bandwidth and more flexibility than alternatives, at a similar cost. The major advantages of FTTP networks are their long reach (which allows for more reliability even as you get further from an access point) and extensive capacity (large amounts of data can be sent over the single strand of glass).

WHY FIBER?

Fiber is fast, robust, and future-proof. The current copper plant is aging, and requires a lot of maintenance and equipment, which are no longer supported by the manufacturers. Maintenance can only be done for so long, until there is no other option but to replace it. In this case, the replacement is fiber because of its capacity to provide large amounts of data to your home/business. There are more and more applications which require robust speeds that only fiber can handle. We see increased demand for video streaming and gaming, as well as an increased number of devices in each home that use broadband access; all of which require a lot more bandwidth and speed than is available on a regular wireless or copper cable. In addition, so many more emerging services require broadband such as dedicated heart-monitoring services, connected cars, e-readers, voice over IP, home appliances, and so much more!

WHAT DOES THIS MEAN FOR YOU?

You will receive your high speed internet via a Fiber Optic ONT (Optical Network Terminal), which will be placed in your mechanical room or similar space, and a new Wifi6 capable router placed centrally within your living space, all provided by NCC. Just connect your Ethernet or Wifi capable device and experience faster, more reliable internet, which gives you more options for bandwidth demanding services such as video-chatting, gaming, and streaming video. Additionally, fiber allows for symmetrical speeds meaning your upload and download speeds are the same, offering a balanced and efficient connection for various online activities, especially those involving real-time data transfer.

DO I REALLY NEED FIBER TO MY PREMISE?

Fiber to your home/business will be required for you to be able to receive services from NCC, even if you just want telephone service. Since we are replacing the copper plant with fiber, this will be the only way for you to receive services from NCC. The copper plant will be abandoned once everything is cut over to the fiber.

***More information on back side.**

WILL THERE BE ADDITIONAL CONSTRUCTION ON MY PROPERTY?

Yes, the additional work on the property will include installation of fiber from the road to the side of the home/business, splicing of fiber and cutover to the electronics that will include voice, data and video services.

IS IT GOING TO COST A LOT MORE?

Services delivered to you over fiber will certainly offer you many more options. This also means we are able to offer more competitive bundles of services you want like faster Internet, Video, and Telephone.

WHAT KIND OF EQUIPMENT WILL I HAVE TO HAVE AT MY HOME/BUSINESS?

- An ONT will need to be located at your home/business (likely to be mounted in a utility room in your home/business) and acts as a gateway access device. The ONT converts the fiber signal, which comes from NCC, so that it can be distributed throughout your premise to provide Internet, Telephone and Video (TV).
- If you also subscribe to Telephone service, there will be a box installed to supply power to the ONT. This box contains a battery backup that will continue to provide you with telephone service, in case of a power outage. This back up battery box measures approximately 9.25" x 6.25" x 3.5". Please read NCC's Battery Backup Disclosure, which is in regards to access to 911 emergency service during a power outage, on our website: <https://nccray.com/residential/home-phone/>. If you'd prefer a printed version, please contact us at 1-800-245-5884.
- A router will be strategically placed within your home to maximize the Wifi coverage throughout your living/working space so that you can use numerous devices within your home/business to access the Internet. Additional access points are available for a minimal monthly fee. By using the NCC provided router we can troubleshoot any Internet issues should they arise.