



## Why is LPC Connect investing in FTTH?

LPC Connect is excited to bring you this next generation of communications technology. It is all part of our commitment to provide exceptional customer service to our customers. FTTH offers many advantages to residential customers and businesses alike and prepares everyone to enjoy an even greater selection of communications options in the future.

Have more questions about the Fusion Network? Just give us a call.



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## Answers to your questions about Fiber to the Home and the Fusion Network





# What is Fiber to the Home?

Fiber to the Home (FTTH) refers to the installation and use of fiber optic cables to carry digital information directly to homes and businesses. These cables are made up of hundreds or thousands of fiber optics, which are long thin strands of pure glass about the diameter of a human hair.

FTTH replaces the duplicate infrastructure that telephone and cable companies previously installed in neighborhoods. Fiber has a higher bandwidth capacity and can easily transmit applications like telephone and Internet with plenty of capacity left over for other applications in the future.

## Will anything need to be installed at my house?

Yes, one Optical Network Terminal will be installed outside of your home, likely near the NID where your telephone service is currently terminated. This cabinet contains the electronics that convert a signal of light from the fiber into usable phone and Internet. We will also install a power supply wiring and battery backup in your basement or utility room in case of power outage.

On a related matter, please remember when you work with our technicians to carefully choose the locations for your network jacks. Take into consideration where you will be placing your televisions, computers, and other electronics that require access to the Internet. If you choose to move these jacks in the future, additional wiring installation will cost you approximately \$60 per hour.

## Why should I choose FTTH services from LPC Connect versus any other provider?

If you need high speed Internet, with LPC Connect, you will no longer need a modem. The Internet speeds available to you will be much greater due to the bandwidth availability and they are superior in reliability and quality. Look to the future, choose LPC Connect!

## FTTH is a Green Technology

Updating the last mile in America's telecommunications networks with FTTH will deliver substantial environmental benefits in the short term. A recent study showed that supercharging bandwidth in American homes with FTTH, by enabling more telecommuting, is an environmentally sustainable activity that goes 'green-positive' in six years. Not only is FTTH a good business proposition for LPC Connect, but it is also a good way to go green.



# What are the benefits of the Fusion Network?

**The Fusion Network provides many benefits to LPC Connect customers including:**

### More Bandwidth

Fiber has the capability to transport virtually unlimited bandwidth. This will accommodate today's demand for high speed Internet connections as well as the advanced applications of tomorrow. The closer the fiber is to a home or business, the more bandwidth will be available for the end user.

### Greater Reliability

Fiber optic cables are less susceptible to glitches than traditional copper wires and can withstand the shock and vibration from inclement weather.

### Future Flexibility

Fiber to the Home is considered "future proof" and offers the flexibility to deliver additional services in the years to come.

### Cost Efficiency

Fiber optic cable can be made for less than the equivalent length of copper wire and is more durable. Although the Fusion Network project requires expenditures now, it will save LPC Connect money in the future while keeping us at the forefront of technology.

