

Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

In the Matter of: Technology Transitions

GN Docket No. 14-174, 13-5, 05-25,

Dear Chairman Wheeler:

The benefits of a fiber network as compared to the increasingly obsolete copper network are clear: faster speeds and better products and services – all leading to a better consumer experience.

As Chairman and CEO of GoFoton, a leading supplier of optical materials and components for various applications with a focus in the optical communication industry, I understand first-hand the importance of fiber technology and its benefits to consumers and the economy.

This new technology will push us forward in the rapidly evolving world of information and telecommunications—a market that will only become more globally competitive as other nations seek to upgrade the speed and capacity of their respective networks. The United States has long been a pioneer in facilitating the development of advanced infrastructure and technology. Our nation's commitment to serving in this role has been extremely beneficial in providing America's citizens with some of the fastest network speeds seen across the globe.

Introducing fiber technology to our networks is simply the next logical step in their evolution, as such a shift will help grow the American economy while simultaneously creating “the jobs of tomorrow.” Fiber networks can serve as the backbone for several services that have already become integral to our lives and many others that may gain prominence and popularity through the 21st century and beyond.

There is no doubt that these new networks will provide consumers with great economic, entertainment, and social benefits, especially as more and more Americans gain access through their build out. What's more, these networks will allow for the development of innovative solutions to some very important issues. For example, expediting the delivery of healthcare services, providing new answers to longstanding environmental concerns, and enhancing educational opportunities for young people are just a few of the incredible possibilities at stake here.

The great benefits and performance of fiber networks are no longer a secret. Many consumers across the country are already upgrading to next-generation fiber-based and wireless networks to receive the robust and reliable services they have come to expect. As a result of fiber networks having much greater capacity and speed, they allow for the consumption of new and dynamic voice, data, and video services that will revolutionize America's entertainment experiences in ways that were once unimaginable.

As many consumers already know, fiber networks will provide us with the same high quality and reliable voice services that we have become accustomed to, but with a plethora of new features and options not previously available on our old landline networks. If anything, these services will be even better than before with clearer connections and lower prices. It's clear that American consumers are slowly letting

go of the antiquated rotary phone technology associated with traditional landlines, and are now asking for the latest cutting-edge devices and services.

Transitioning America's networks to fiber technology will certainly be a technological leap in the right direction, and order to make such a shift, we will ultimately need to move away from our legacy voice network that is becoming more outdated by the day. It's far too costly to operate the old network alongside our new state-of-the-art fiber broadband networks, and splitting investment between the two would actually be to the detriment of consumers. From this, we can see that our best option is to fully invest in expanding fiber across the country. As things stand, fiber is the only option that will push America forward and protect its position at the frontier of global communications and technology.

For these reasons, I respectfully ask the Commission to adopt greater expansion of fiber networks—a move that will undoubtedly have great benefit for all Americans.

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