

Lumen Invests to Expand U.S. Intercity Network by 6 Million Fiber Miles

Multi-conduit infrastructure and ultra-low-loss fiber set Lumen network apart from competitors

DENVER, Dec. 6, 2022 /[PRNewswire](#)/ -- [Lumen Technologies](#) (NYSE: LUMN) has been diligent in responding to business's needs for more network capacity, and recently created the largest ultra-low-loss fiber network in the world. To meet the continuing demand for fiber, Lumen is now investing in another 6 million fiber miles, expected to be installed by 2026.

The Lumen Difference:

Once complete, Lumen's U.S. intercity investment will reach nearly 12 million fiber miles, creating diverse routes to more than 50 major cities across the country. To set this network apart from others, Lumen continues upgrading its infrastructure using a multi-conduit system, allowing for the quick deployment of the latest fiber technology.

"We are creating a next-gen network, and fiber type matters," said Andrew Dugan, Lumen chief technology officer. "As demand for optical fiber increases and technology evolves, Lumen's multi-conduit infrastructure means we can install the latest fiber type quickly and economically. It's difficult to upgrade legacy intercity networks without multiple conduits. These networks end up being stuck with older fiber technology. Lumen is fixing that issue with our upgraded technology. We can extend signal reach to help reduce equipment costs and increase bandwidth capacity. Using ultra-low-loss fiber on the Lumen network is a major component of what differentiates us from other network providers."

Lumen is continuing to use Corning's SMF-28® ULL fiber and SMF-28® Ultra fiber to upgrade its intercity infrastructure and add capacity to its network. This is the latest in optical technology.

The Customer Advantage:

- Lumen has upgraded over 24,000 route miles across its U.S. intercity network. This enhances network performance levels and supports the deployment of its Next-Generation Optical platform. This platform was specifically designed to handle increasing network traffic.
- This fiber technology can support customer Wavelength services up to 400G now and increasing customer speeds in the future. This helps meet businesses high bandwidth needs and allow their data to be acquired and analyzed in real-time.
- Businesses will benefit through this fiber network designed to offer a faster connection to the big cloud service providers. They can also design and build their own network services to

support their digital needs using an app called Topology Viewer.

- Companies seeking highly reliable, low-latency network infrastructure along their digital journeys will benefit from this latest fiber technology. That includes businesses, government agencies and providers seeking fiber to build their own secure, scalable networks for next-generation applications.

See Lumen's expanded intercity network map: <https://news.lumen.com/image/Lumen-NorthAmericaOverpullMap-November2022.pdf>.

About Lumen Technologies:

Lumen is guided by our belief that humanity is at its best when technology advances the way we live and work. With approximately 400,000 route miles of fiber and serving customers in more than 60 countries, we deliver the fastest, most secure platform for applications and data to help businesses, government and communities deliver amazing experiences. Learn more about the Lumen network, edge cloud, security, communication and collaboration solutions and our purpose to further human progress through technology at news.lumen.com/home, LinkedIn: /lumentechologies, Twitter: @lumentechco, Facebook: /lumentechologies, Instagram: @lumentechologies and YouTube: /lumentechologies. Lumen and Lumen Technologies are registered trademarks in the United States.

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