

WIDE AREA NETWORK

Honoring Your Requirements

Wide Area Network services are designed and delivered according to your requirements. With two completely diverse networks over which to carry traffic, Everstream's unique network architecture offers maximum design flexibility and multiple configuration options to suit complex requirements.

Solution Details

Everstream operates two networks. We deliver point-to-point, point-to-multipoint and multipoint-to-multipoint (packet optical) solutions on our MEF Layer 2 network that follow your explicit routing protocols. Additionally, our MPLS Layer 3 network provides VPN solutions, which allow multiple locations to be connected while we facilitate the routing.

We build creative solutions — even those that the competition is not able or willing to do — based specifically on your business needs.

Everstream is MEF 3.0 Carrier Ethernet certified — meaning our fiber solutions adhere to rigorous industry best practices. To earn this certification, Everstream passed more than 500 total test cases in areas such as performance, Layer 2 control protocol handling, and service operations, administration and maintenance (SOAM).

“Our processes rely heavily on IT, network speed and various information systems to ensure we are operating efficiently and effectively for the company, our partners and our customers. Upgrading our network to a fiber connection was a key piece of the puzzle to ensure we could scale the business.”

Jeff Sawicki, Chief Operating Officer

Lippert Enterprises
Wide Area Network Customer

Top Benefits

- ✓ Experts will configure, construct and install a solution to meet your needs
- ✓ Highly reliable and resilient fiber network
- ✓ Quick and easy bandwidth upgrades
- ✓ Delivered on a new, dedicated fiber network
- ✓ MEF 3.0 Carrier Ethernet Certified



Tech Specs: Wide Area Network

TECHNOLOGY: Layer 2 or Layer 3 solutions

NETWORK EQUIPMENT:

- Layer 2 Packet Optical Network: Ekinops | Ciena | Infinera
- Layer 3 MPLS Network: Juniper

THROUGHPUT: Up to 100 Gbps

INTERFACE: Everstream-provided interface up to 100 Gbps

NETWORK MANAGEMENT: 24/7 monitoring and support

NETWORK OPTIONS: Metro configurations

AVAILABILITY: On-net and near-net locations across footprint

TOPOLOGY:

- Point-to-Point | Point-to-Multipoint | Multipoint-to-Multipoint

PROTOCOLS:

- Layer 2: VPLS and eTree | Layer 3: MPLS and VPN

MEAN TIME TO REPAIR: 4 hours

ROUTING OPTIONS:

- Support OSPF, IS-IS | Untagged, tagged, routed

The Business-Only Fiber Network

Multisite businesses require simple, instant, high-speed access to internal network resources and applications regardless of location. Everstream's Wide Area Network solutions give businesses the ability to communicate seamlessly across geographically disbursed facilities as if they were sitting in the same room.

Everstream has built a brand-new, all-fiber network connecting major metro areas across our 10-state footprint.

With our Layer 2 network, we observe, honor and carry the protocol you send to us. You can use all contracted bandwidth for traffic because, unlike other providers, this solution creates tunnels that allow end users to configure their own switching and routing protocols.

With our Layer 3 network, throughput is delivered at the subscribed bandwidth. You receive full capacity — with the ability to configure your VPN using industry standard routing protocols.

Everstream's Ethernet Solutions:

- Allow for two or more end points to be directly connected by a dedicated, symmetrical, high-speed fiber connection.
- Establish a private WAN that bypasses the public internet for seamless, direct communication between locations.
- Can privately connect businesses to data centers and other partners.

Our Ethernet connections solve for unreliable, high-latency connections from providers who are unwilling or unable to design a solution to meet your needs.

The Everstream Difference



Low Latency

Our average network latency is less than 5 milliseconds, approximately 90% less than other providers.[†] A low-latency connection is critical when business operations demand real-time applications and data replication.



Network Diversity

The combination of Everstream's network architecture, engineering expertise and equipment deployment delivers four critical types of diversity: network, route, equipment and point-of-entry — eliminating the need for multiple carriers.



Connectivity

Everstream has raised the bar for business connectivity, delivering a Business-Only Fiber Network with speeds up to 100 Gbps available across our footprint. By using high-capacity switches, Everstream ensures your network can scale quickly and easily.



Technical Support

Our two Midwest-based Network Operations Centers are staffed by highly trained engineers, who answer 98% of incoming calls within 60 seconds and serve as a single point of contact to deliver the support you need.

[†] Latency is measured in market/in region.

About Everstream®

Everstream has raised the bar for business connectivity, delivering a Business-Only Fiber Network with the speed, reliability, scale and performance that today's enterprises demand. With more than 27,000 route miles of fiber and speeds up to 100 Gbps, Everstream's enterprise-grade network delivers robust business fiber services, including internet, WAN, data center connectivity and dark fiber. Through its "Do What You Say You Will Do" approach, Everstream is a valued partner dedicated to the success of business customers.

For more information, visit [everstream.net](https://www.everstream.net).