The NJEdge optical fiber network, EdgeNet, is a purpose-built, high-performance network designed to meet the unique needs of NJEdge members. By offering lightening-fast connectivity, a host of unique features, and hands-on service unique to EdgeNet, we're able to deliver connected members a network connectivity experience above and beyond what traditional ISPs can offer.

DELIVERS:

- Internet Connectivity
- Transport
- WAN & LAN Networking
- DNS Services

PLUS unique custom-built features such as:

A "Non-Blocking" Network

The EdgeNet network core supports 100% of member demand with no member's traffic ever impacted by another member's network activity. This "non-blocking" network differs from typical ISPs, which offer best-effort services designed to balance performance with maximized profitability, as opposed to an optimized customer experience.

Connection to Internet2

EdgeNet's peering connection to Internet2 enables NJEdge members to connect directly to the nation's premier coast-to-coast research and education network.

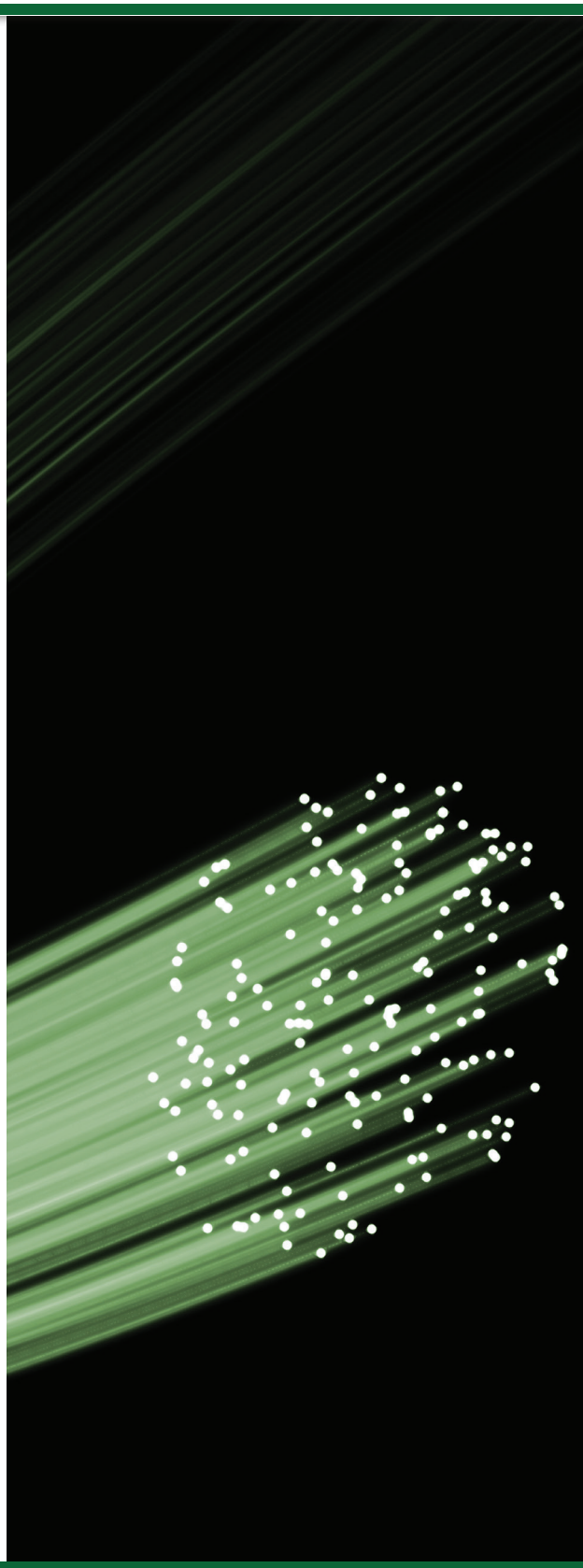
Peering

Peering connections take the majority of EdgeNet member traffic off the commodity internet, decreasing the chance of cyberattacks and improving connectivity.

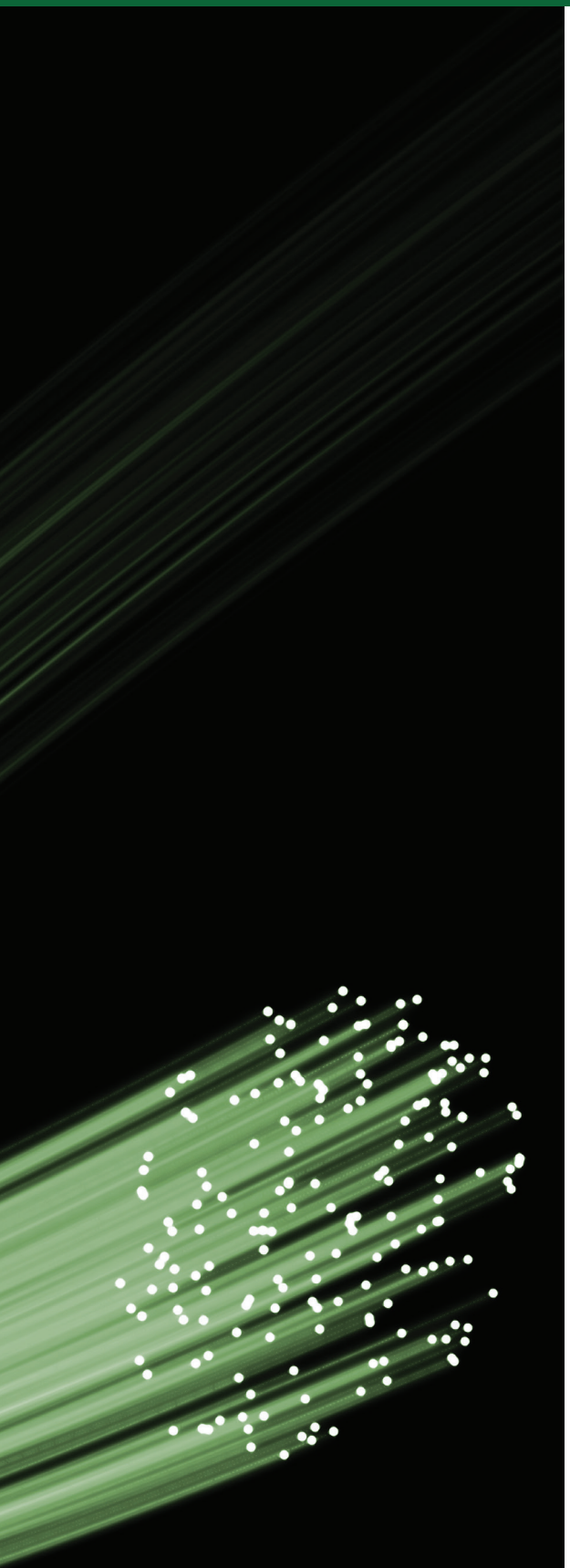
In addition to Internet2, EdgeNet also includes peering connections with Google, Amazon Web Services, Yahoo, Microsoft, OpenDNS, Akamai, EdgeCast Networks, Limelight, Twitter, Twitch.TV, Apple, Netflix, Facebook, Lastly, CloudFlare, Packet Clearing House, and more, with the ability to develop additional peering connections in response to member needs.

The EdgeNet peering infrastructure supports our members' migration of critical business services to the cloud by moving the cloud closer to the membership.

more on backside »



855-832-EDGE (3343) · info@njedge.net · njedge.net



Cloud Connect for Amazon Web Services

EdgeNet's direct connection to the AWS cloud infrastructure benefits members in a variety of ways. This connection helps speed member migrations to the cloud, delivers secure transit of data connections, enables efficient flows of research data, and provides a data egress waiver to eliminate the cost of removing data from AWS for EdgeNet members.

DDoS Mitigation Support Service

An automatic DDoS defense mechanism is in place to protect the EdgeNet core and all connected members. All traffic entering the NJEdge network is actively monitored to minimize service disruptions. The DDoS Service provides an automatic which protects members from the effects of volumetric DDoS attacks.

As a result of this service, connected members often don't even notice that a DDoS event is taking place. This unique process saves time and resources, while alleviating the need for members to start a manual mitigation process.

Mitigation reports are provided directly to members for each incident and quarterly summary reports are produced. No additional equipment is required to participate in the NJEdge DDoS Service.

Network Redundancy

EdgeNet includes 4 nodes distributed throughout the state of New Jersey, delivering a highly survivable, highly available networking experience to connected members.

LISP

EgdeNet is at the forefront of utilizing SDN-based LISP protocols, which provide an exciting new mechanism to improve routing system scalability and introduce new capabilities to networks. LISP is a consolidated, robust architecture that enables functions to help businesses achieve new revenue streams, reduce capital expenditures and operating expenses, simplify network design, reduce dependency on a variety of tools, reduce system load, and improve network scalability. LISP does not require changes within sites or to the Internet core, and can be gradually introduced into an existing IP network without affecting the network endpoints or hosts.

Hands-On EdgeNet Service

Unlike traditional ISPs, EdgeNet is highly invested in the success of our connected members. Our engineers work with you to optimize your on-network experience, providing responsive service, a wealth of advanced features, in-depth network performance reporting, and consultation to help you take advantage of the latest and greatest developments in networking technology.

855-832-EDGE (3343) · info@njedge.net · njedge.net