

High-Speed Downtowns

Fiber Optic Networks Bring a Future of Abundance

Vermont has a whole slew of new technology resources and now it's time to have lots of conversation about how to maximize them. New electronic highways bringing superfast connectivity can be every bit as important as the first paved state routes or the Interstate for economic development and vitality.

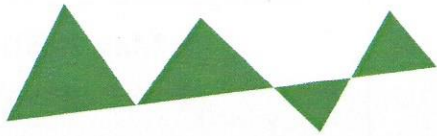
They are at the heart of every type of telecommunications system. In addition to the open-access fiber networks built and/or managed by the Vermont Telecommunications Authority (VTA), several private networks also offer service to businesses.

What Could Gigabit-Fast Internet Service Do for Your Downtown?

- World-class connectivity can help bring new businesses and keep/grow existing low-impact companies.
- Creates the opportunity for ultra high-speed connections in "maker" spaces, business incubators, and office spaces where one can rent a desk for an hour, a day, a week or more.
- Multipoint connections can unify offices or institutions into a single Wide Area Network (WAN), enhancing privacy and maximizing capacity.
- Offers healthcare facilities the capacity to easily exchange medical files of all sizes.

New electronic highways with superfast connectivity can be as important for future economic development as the first paved state routes or the Interstate.

Over...



Vermont Telecommunications Authority

How Does Fiber Optic Technology Support Historic Preservation?

Connecting the abundant bandwidth of fiber optic networks to historic spaces can breathe new life into them by attracting new technology companies or growing existing businesses in places full of character.

Fiber Optic Technology Facts

- Fiber has the greatest capacity, fastest speeds and serves many purposes.
- Internet service via fiber typically has symmetrical download/upload speeds.
- Even when last-mile service is copper phone wire, coaxial cable, or wireless, getting fiber closer to end users often means faster Internet speeds.
- Getting fiber to areas with low-density populations creates the biggest challenges.

The Vermont Telecommunications Authority's Northeast Kingdom Fiber Network

This collaboration with multiple entities will provide a case study on how benefits being developed in more populated areas of Vermont can be established in the NEK, as well. It is scheduled to be complete in 2015.

WHAT DOES THE VERMONT TELECOMMUNICATIONS AUTHORITY (VTA) DO?

The VTA supports expansion of broadband and cellular service in unserved areas, but is not an Internet Service Provider (ISP). It awards grants to telecommunications companies as well as building infrastructure itself. The VTAs open-access fiber networks are currently in the Northeast Kingdom and Orange County.

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