NextG Networks

Town of Greenburgh, New York

NextG – the solution for improved wireless coverage in your community
About NextG Networks

NextG Networks is a competitive local exchange carrier – a utility with the same regulatory rights and responsibilities as the telephone company.

- NextG Networks is a regulated, facilities-based, carrier's carrier that designs and installs fiber-optic based networks to improve wireless coverage and capacity in municipalities and universities throughout the United States.

- We are the oldest Distributed Antenna System network provider in the United States with the largest number of operational networks. We have the most experience and success installing and maintaining these networks. In the New York metropolitan area alone, for example, NextG has deployed over 1,276 equipment locations and over 570 miles of fiber optic cable to date.
NextG Services

NextG transports wireless signals without installing towers or traditional cell sites.

- Wireless signals are transported through a Distributed Antenna System (DAS) network that connects to existing wireless facilities.
- DAS is a neutral-host, protocol-agnostic fiber-fed antenna network on existing infrastructure in the right-of-way. NextG's patented technology allows a single network to support multiple operators, multiple frequencies, and multiple wireless formats.
- Our service augments mobile phone coverage and capacity (fills in holes in service and prevents dropped calls.)
- Our customers include wireless carriers and wi-fi providers. We do not have end-user customers.
NextG Networks Across the United States
NextG is a utility

NextG obtains all state required regulatory authority prior to building networks.

- In New York State we have a (Certificate of Public Convenience and Necessity from the NY State Public Service Commission
- In New York State our general authority under the Federal Telecommunications Act has been held to be sufficient to offer telecommunications service as a utility and build our networks.
Photos of NextG Installations in the Right of Way
NextG Installations in the Right of Way continued
NextG Installations

- NextG uses fiber optic cable to connect small, wireless antennas.
- The antennas are connected by coax cable to an RF-to-lightwave converter box on the pole. The box converts RF captured by the antenna into light wave signals which are then transported via fiber optic cable.
- These antennas are typically located inconspicuously on lampposts and utility poles in the right of way and utility easements.
- Installations do not interfere with lighting facilities or municipal safety systems.

NextG Networks
This is the most typical type of Node that NextG Networks will install. This installation consists of one antenna located at the top of the pole together with a small Equipment Cabinet attached to the pole below the power, telephone and cable utility lines.
Arrangements with other Utilities

Because NextG is a regulated utility, NextG has access to utility infrastructure through USC Title 47, Ch. 5, Subch. II, Part I, Section 224 (the Pole Attachment Act).

NextG has secured necessary agreements with other utility companies to attach to utility poles and streetlights not owned by the municipality.
Benefits to your Community

NextG's networks allow communities to balance consumer and business demands for improved wireless coverage with community concerns about aesthetics.

- Provides an alternative to traditional cell sites
- Increases capacity and capability for advanced wireless voice, data, hotspot and hotzone services from any service provider
- Minimizes future construction via advanced fiber optic technology
- Utilizes equipment that is often less obtrusive than other utilities who have similar rights to install equipment on poles within existing utility corridors.
- Offers to share revenue with the community and pole rental fees for attachments to available municipal infrastructure.