SKYFIBER™

SOLUTIONS BRIEF

MUNICIPALITIES

In today's economy, making broadband access available to as many consumers and businesses as possible is absolutely critical for a community's success and long term growth. Investing in broadband offers undisputable job creation benefits by enabling new consumer and business behaviors, functionalities and downstream industries.

It's a bold new world for Municipalities.

The Brookings Institution estimates that for every one percentage point increase in broadband penetration in a state of theUSA, employment in that state is projected to increase by 0.2 to 0.3 percent a year. Broadband provides the foundation for a multitude of new innovative products, applications, and services — often generated in entirely new industries or firms.

The challenge for Municipalities and other local government entities is how to ensure delivery of this Broadband access for their citizens at low cost and in a timely manner. SKYFIBER™ Optical Wireless Broadband (OWB) products deliver on this critical need by delivering high bandwidth at low cost, with high reliability and rapid deployment, so Municipalities can start immediately providing service and/or generating revenue. Alternative solutions such as fiber or microwave RF are far more expensive, capital intensive, environmentally invasive, and fraught with red tape due to FCC licensing, right-of-way issues for trenching, and other time consuming obstacles.

SKYFIBER's Optical Wireless Broadband solution is the lowest cost, highest capacity offering in the industry, enabling municipalities to easily deploy high-performance citywide networks that are cost-effective and flexible, and that deliver mission-critical reliability for vital public services and all other aspects of local government and municipal operations. Broadband availability allows municipalities to attract new business, increase tourism, improve public safety, provide new services to residents, and can also be a revenue generator. SKYFIBER's product portfolio empowers municipalities to address these important strategic initiatives.

Support for Public Services

Citywide broadband networks provide reliable communications among a municipality's anchor institutions, like local government departments, hospitals, public utilities, emergency responders, and other public facilities such as parks and libraries. With high-capacity, high-availability networks connecting critical agencies, new city services can be offered and citizens can also benefit from easier access to existing information and services. Additionally, the convenience of public Internet access enhances the livability quotient of the municipality or city and aids in attracting new residents and businesses.

- Exclusive patented mesh network architecture and ability to interoperate with existing infrastructure offers ultimate flexibility for citywide coverage.
- Fully deployed in a fraction of the time and at up to 1/10th the cost of fiber or microwave.
- Upgradeable 100Mb to 1Gb capacity and up to 99.999% availability.
- Highest level of network transmission security available to address HIPAA certification pressures.
- No risk of equipment obsolescence with ease of upgrade or relocation.
- Unique 'On-Demand' licensing model provides adaptability for changing agency needs.

Revenue Generation

Many municipalities and cities are realizing the monetary benefits of extending broadband connectivity to underserved areas. Leading edge bandwidth delivery helps attract new residents and new businesses, encouraging community growth. By expanding the services available in existing areas, by offering 'last mile' Triple Play delivery or more affordable bandwidth, home values rise and local businesses are more sustainable. All of these factors result in an increased tax base and new revenue opportunities for municipalities and cities. SKYFIBER accelerates the ability for municipalities to recognize gains by providing:

- Highly-scalable and flexible, and patented, citywide mesh network architecture
- Lower total cost of ownership realized through reduced cost of entry, time to market, and minimal on-going maintenance and manageability
- An ideal solution for existing developments where construction (trenching) is not an option
  On-Demand licensing model means no capital expenditure and no equipment obsolescence
- Ability to interoperate with and augment existing infrastructure
- No FCC spectrum licensing or on-going license maintenance

Emergency Response Systems

Whether it's a hurricane, a chemical fire, or a homeland security alert, the value of reliable communication is inestimable during catastrophic events. In these situations it is not just dollars but human safety that's at stake, and the cost of response delays or failures becomes incalculable. Without an effective communications network, first responders, citizens and emergency operations centers are severely hindered in their ability to take action, jeopardizing life-saving efforts as well as attempts to minimize business continuity impacts. Progressive municipalities are implementing communications networks to facilitate their overall disaster response planning and ensure continuity during emergencies that disrupt vital services. Other broadband solutions typically prove to be impractical, unreliable, or too costly to implement.

SKYFIBER's Optical Wireless Broadband communication networks delivers reliable, low cost high bandwidth Broadband with fast deployment and offers:

- A cost-effective continuity plan for backup network access and redundant points of connectivity that can withstand disaster damage or other unexpected outages
- Highly portable, flexible and rapidly deployable networks are operational in days, versus months required for fiber or microwave
- Low cost of entry with on-demand broadband licensing
- Significant time and money savings through elimination of spectrum licensing, right of way and construction permits
- High-capacity, mission-critical performance, offering up to 99.999% availability even in adverse conditions

Contact Us

For further information on SKYFIBER™ products and solutions, please contact sales@skyfiber.com Or visit us on the web at www.skyfiber.com.