

BEYOND WIRELESS

Trends Interesting Deployments Business Impact



How a North Carolina based ISP helps bridge the digital divide, using Motorola's Canopy™ solution to bring broadband to an economically developing town.

The Problem: *Bringing broadband to economically motivated rural areas.*

The Solution: *Canopy 900MHz fixed broadband wireless Internet access system with 13 access points located on two water towers and a remote site with two backhauls to a centralized data center. Internet back office service solution for billing, authentication, routing, bandwidth management, e-mail and web hosting. www.ibconsulting.com. www.wowe-cdc.org. www.motorola.com/canopy. www.connectwithcanopy.com.*

The Result: *The town of Roper, N.C. is now able to provide high speed, broadband Internet access in a very compressed timeframe to 1,200 homes and at a very reasonable cost compared to hard wired options.*

Background

Dissatisfied with existing broadband services and costs, the Roper, N, mayor saw an opportunity to remove some of the barriers to Internet access, while also creating jobs for the community. Step one of this process included establishing a digital library and learning center called Windows on the World. Step two included acquiring and distributing Internet access. North Carolina based Internet Business Consulting, Inc. (IBC Wireless) was able to help by installing Motorola's Canopy 900MHz fixed broadband wireless Internet access and high capacity backhaul systems. This was done using 13 access points located on two water towers and a remote site with two backhauls to a centralized data center. The new wireless system was integrated with an Internet back office service solution for billing, authentication, routing, bandwidth management, e-mail and web hosting. The overall solution includes education and training on wireless in general, as well as installation techniques and back office operations. As a result, Roper is able to provide high-speed broadband Internet access in a very compressed timeframe to 1,200 homes at a very favorable cost as compared to hard wired options. Says Jim Hollis, President of Internet Business Consulting, Inc.: "Internet Business Consulting is proud to be a partner of Windows on the World to help bring a cost effective solution to rural communities. This dynamic project touched every resource IBC has to offer to quickly bring to market a wireless Internet service provider. They were very clear on their goal – we helped with education, training, engineering, design, installation, routing and back office system consulting. I'm confident that other communities and the government will watch this project's growth and want to replicate it in their communities."

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Beyond Wireless is a mini case study that is intended to illustrate a unique deployment of Motorola's Canopy wireless broadband technology. Our goal is to highlight applications depicting the evolution of wireless broadband technology that connects people to people and people to devices.



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