

# CONNECT

*The Newsletter from New Hampshire Network Now*

## **SUCCESS!**



The American Recovery and Reconstruction Act (ARRA) funded the Broadband Technology Opportunities Program (BTOP) that is managed by the National Telecommunications Information Administration (NTIA). New Hampshire was awarded a BTOP grant in June 2010 and completed on December 31, 2013. Collaboration among public and private sectors resulted in the following accomplishments:

865 miles of Fiber Optic Network that extend between all 10 counties in New Hampshire. The Middle-Mile network is owned and managed by New Hampshire Optical Systems in Nashua, NH. The Last Mile portion of the network is owned and managed by NH FastRoads in Keene, NH.

454 miles of improved and consolidated closed public safety microwave broadband network managed by the New Hampshire Department of Safety. The network is utilized by the New Hampshire Department of Transportation, the New Hampshire Department of Resources and Economic Development, the New Hampshire National Guard, and New Hampshire Public Television

320 Community Anchor Institutions (Schools, Libraries, Medical Facilities, Government locations, and Public Safety entities) connected

100 Residences in Enfield and Rindge utilizing fiber to the home with another 480 awaiting their connections

### **This project involved collaboration among:**

The University of New Hampshire  
New Hampshire Optical Systems  
New Hampshire FastRoads  
New Hampshire IBEAM  
New Hampshire DOT  
New Hampshire Department of Safety  
New Hampshire National Guard  
New Hampshire DRED  
New Hampshire Public Television

### **Benefits include**

A fiber optic research and education network. With speeds up to 10Gb, the network is on par with other research centers in Massachusetts, Texas, and California

An alternate communication tool known as datacasting utilized by the NH Department of Safety. The new technology allows information to be transmitted via the microwave network.

A Middle-Mile Network that extends through 90 NH communities

A Last Mile network that extends through 22 communities in Western New Hampshire

Expansion of the capacity and capability of the New Hampshire Intelligent Transportation System