FCC Rural Health Care Projects in New York

Challenges and Opportunities

Internet2 Member Meeting, April 23, 2008

Tim Lance

NYSERNet

New York’s Networking Future
Awards

FCC Rural Health Projects in New York

- Adirondack-Champlain Telemedicine Information Network
- North Country Telemedicine Project
- Western New York Rural Area Health Education Center
The NYSERNet Network

North Country Telemedicine Project

Adirondack Champlain Community Broadband Network

Western New York Rural Area Health Education Center

Batavia

Abilene

DWDM Path
10 Gigabit Ethernet
Gigabit Ethernet
OC-12
GigE Lambda Span *

* NOTE: Represents NYSERNet’s New R&E Network
Adirondack-Champlain Telemedicine Information Network

A new fiber optic telemedicine network, connected to Internet2, will connect approximately eight health care facilities in northeastern NY. The new network will enable real-time consultations, sharing of medical image files, and Distance education. Plattsburg area
North Country Telemedicine Project

Approximately 30 new health care facilities in a poor, sparsely populated region of northern New York will be connected to an existing regional fiber ring and Internet2 at speeds ranging from 10 to 100 Mbps. Services will include telecardiology, teleradiology, and psychiatry through video conferencing, research and education. Network will also serve Fort Drum, which lacks a healthcare facility. Watertown/Potsdam area
Western New York Rural Area Health Education Center

Network will connect about 40 facilities at speeds of at least 100 Mbps in order to provide access to experienced specialty physicians and critical life-saving treatments. Connections to Internet2 at 1 Gbps and backbone at 2 Gbps. Buffalo area