Agenda

- Introductions: Joanna Young, UNH Chief Information Officer
- Grant Review: Scott Valcourt, UNH, Grant Editor
  - Round 2 Status
  - Round 2 Map
  - Technology Plan
  - Middle Mile Fiber Business Plan
  - Microwave Wireless Plan
  - Next Steps
- Questions
- Closing Remarks: Joanna Young, UNH CIO
Round 2 Status

- $66MM proposal
- Three components
  - Middle Mile throughout all 10 counties
  - Last Mile “FastRoads” in Southwest/West Central
  - Microwave Wireless
- We have reached the Due Diligence phase (May 3 – May 24)
The Middle Mile fiber routes between Manchester-Keene and Manchester-Plymouth-Hanover are already under construction due to prior grant awards to UNH and Dartmouth.

The DOT route is designed & under DOT jurisdiction.

FastRoads initial projects are intended to be in Enfield and Rindge. Monadnock Economic Development Corporation has formed the FastRoads LLC which will be managing and operating last mile.
Technology Plan

- Leverage existing in-process networks (Manchester-Plymouth-Hanover, Manchester-Keene) through NIH and NSF grants funding IRUs
- Leverage and expand over 500 miles of fiber, mapped to be proximate to high percentage of anchor institutions, with focus on un-/underserved areas, and economically distressed areas
- On-demand, “burstable” capacity for research and short-term critical purposes
- Network “rings” and alternate paths for optimum reliability
- Condensed wireless networks to open tower space for fixed and mobile broadband access
- Overcome the middle-mile barrier to delivering all types of last-mile services to areas of New Hampshire without broadband access today
Middle Mile Business Plan

- RFP for network build will be released in June 2010, via USNH Purchasing. Award subject to grant funding.
- RFP(s) for maintenance and operation will be released later in 2010. Award subject to grant funding.
- A holding entity corporation will be created by USNH to manage and sustain middle mile fiber for commercial and social sector uses. The holding entity is tentative called New Hampshire Fiber Network (NHFN).
  - Products will be dark fiber leases, available via Indefeasible Right to Use (IRU) agreements or other leasing arrangements.
  - Corporation will be charged with upholding the public interest in the assets enabled by the grant. This is required by ARRA investment.
  - USNH will have an interest in the corporation and is seeking other parties to participate.
Microwave

- Collapses existing parallel networks into a single high speed, fault tolerant public safety network

- Shared by State Agencies, New Hampshire Public Television, and the NH National Guard.

- Constructed on existing NHPTV and State of NH-owned towers

- Once completed, will free up space on congested towers for commercial broadband providers

- Vendor presentations will commence in July and RFP Process projected for October
Next Steps

- Focus on due diligence between now and June 1
- Award decision expected June 2010 – no later than 9/30/10. If awarded, will be widely publicized in the media.
- Vendors interested in any RFPs should respond through the USNH Purchasing process. If you want to be notified upon RFP release, please send a note to unh.it@unh.edu. Reference “NTIA BTOP 4248 RFP.”
- Organizations interested in participating in NHFN should send a note to unh.it@unh.edu. Reference “NTIA BTOP 4248 NHFN”.
- If you have questions about FastRoads, contact Michael Blair at mblair@swrpc.org. Michael Blair is on the FastRoads Board of Directors.