

Statewide Radio System Improvement Update

vermont electric power company



June 2015 update

Statewide Radio System Improvement Update

Status Summary

- Coverage
 - Four site additions completed year to date (Rockingham, Putney, Huntington, White River)
- Congestion
 - Six site channel additions completed year to date (Williston, Wells, Castleton, St. Albans, Berlin, Lincoln)
- Resources
 - Radio manufacturer expert on-site
 - Focus on maintaining operational system
 - Addressing interference issues as they arise and communicating proactively to prevent new issues

Statewide Radio System Improvement Update

- Coverage – 14 total additional sites needed
 - Commissioned four sites year-to-date
 - Rockingham, Putney, Huntington, White River
 - Construction in progress at two sites
 - E. Corinth, Londonderry
 - §248(a) submitted and due in June for three sites
 - Woodbury, Royalton, Orwell
 - Leases in review for two sites
 - E. Corinth, Chester
 - Engineering design visits completed at two sites
 - Chester, Topsham
 - Candidate sites selected for coverage improvement
 - Rupert, Stafford, Thetford, Chelsea
 - Accelerating coverage improvements through temporary site additions where feasible

Statewide Radio System Improvement Update

- Congestion – 22 total Channel Additions at 10 sites
 - Completed Channel Additions with requisite performance tests at six sites
 - Williston, Wells, Castleton, St. Albans, Berlin, Lincoln
 - Channel additions on target for completion by September
 - Planning for June system test in progress with five confirmed DU customer participants
- Network reconfiguration and readiness work
 - Added network equipment to enable new site and channel additions
 - Three Regional Control Processors (RCP)
 - One Inter-Regional Processor (IRP)
 - Numerous network reconfigurations to accommodate the additions

Statewide Radio System Improvement Update

- Operation and Maintenance
 - Cause of 4/20 report of reduced coverage in Middlebury determined to be new VPR equipment
 - C Squared (RF engineers) report cites VPR equipment as the primary cause of interference
 - Numerous tests conducted to isolate source
 - Relocated VELCO antennas for temporary improvement
 - Engaged tower owner for remediation based on interference report
 - White River Jct. radio interference primary source is Radio station and paging company.
 - Working with contracted resources to isolate noise
 - Installed filters on Paging and Radio station achieving mediocre improvement
 - Additional testing and isolation is underway
 - Reported scratchy service in Washington County
 - Investigating source of noise
- Customer-initiated Improvements
 - GMP moving forward with personal GPS beacon