

Northern Zones Umbrella Plan

- Plan currently includes 8 elements (*see diagram*)
 - **A: Plains – Stiles 138 kV Rebuild** \$59.7M
 - Plains-Amberg, Amberg-West Marinette (2005)
 - Amberg-Stiles (2006-7)
 - **B: Indian Lake – Hiawatha 69 kV to 138 kV Rebuild** \$37.4M
 - Phase 1 \$5.0M (2004)
 - **Phase 2 \$24.4M (2005)**
 - Phase 3 Current estimate \$8.0M (2009)
 - **C:** Morgan – Stiles 138 kV rebuild, \$6.9M (2005)
 - **D:** Morgan – White Clay 138 kV reconductor (eventual rebuild as part of Element H), current estimate \$1.1M (2005-06)
 - **E:** Add 2nd Plains transformer (250 MVA 345:138 kV), current estimate \$4.6M (2007)
 - **F:** New Werner West Substation with 345/138 kV transformer, current estimate \$9.6M (2006)
 - **G:** Plains – Conover – Cranberry Project (aka Rhinelander Area Long Term) Rebuild 69 kV Plains-Conover to 138 kV; new 138 kV Conover-Cranberry; current estimate \$36.9M (2007)
 - **H:** New Morgan – Werner West 345 kV line (includes Clintonville-Werner West 138 kV), current estimate \$68.1M (2009-10)
TOTAL A-H: \$224.3M
 - **I:** New Weston – Central Wisconsin 345 kV line (associated with new Weston 4 generation), current estimate \$100.0M

