



Figure 7 – MPRP Construction Sequencing

Figure 8 summarizes the target start of construction and completion dates for each of the sequences described below.

Sequence	Target start of construction	Target completion
I	July, 2009	May, 2011
II	March, 2010	January, 2012
III	August, 2010	November, 2011
IV	July, 2011	January, 2012
V	February, 2012	July, 2012

Figure 8 – MPRP Construction Target Dates

Sequence I consists of the following major portions of the MPRP scope:

1. Raven Farm to Surowiec 345 kV Transmission Line
 - a. Rebuild 115 kV Sections 166 and 167 to allow 345 kV line addition
 - b. Second 345/115 kV autotransformer at South Gorham
 - c. Surowiec Substation expansion
 - d. New Raven Farm Substation with 345/115 kV autotransformer
2. Albion Road to Detroit 345 kV Transmission Line
 - a. Rebuild 115 kV Sections 66 and 67 to allow 345 kV line addition
 - b. New Albion Road Substation with 345/115 kV autotransformer
3. Other MPRP Scope
 - a. Rebuild 115 kV Section 203 to allow 345 kV line addition
 - b. New Monmouth Substation with tie in to 115 kV Section 212
 - c. Relocate existing Browns Crossing as a 34.5 kV Substation to allow 345 kV line addition (to be built outside of MPRP)
 - d. Re-Rate the following Sections: 167A, 61A, 67A, 83B, and 83C

Sequence II consists of the following major portions of the MPRP scope:

1. Maguire Road to South Gorham 345 kV Transmission Line
 - a. Rebuild 115 kV Section 238 to allow 345 kV line addition
 - b. Maguire Road Substation expansion with 345/115 kV autotransformer
2. Surowiec to Larrabee Road 345 kV Transmission Line
 - a. New Larrabee Road Substation with 345/115 kV autotransformer
3. Detroit to Orrington 345 kV Transmission Line
 - a. Orrington Substation expansion
4. Coopers Mills⁵ to Highland 115 kV Transmission Line
 - a. Rebuild 115 kV Section 80 to allow 115 kV line addition
 - b. Highland Substation Expansion

⁵ In the course of refining the design and scope of the project, MPRP determined that Maxcys substation should be replaced by a new substation at essentially the same location. The new substation has been designated Coopers Mills.

5. Other MPRP Scope

- a. Remove 34.5 kV Section 41

Sequence III consists of the following major portions of the MPRP scope:

1. Three Rivers to Maguire Road 345 kV Transmission Line
 - a. Rebuild 115 kV Section 250 to allow 345 kV line addition
 - b. New Three Rivers Switchyard (coordinated with NU)
2. Coopers Mills to Orrington 115 kV Transmission Line
3. Larrabee Road to Livermore Falls 115 kV Transmission Line
 - a. Expansion of Livermore Falls 115 kV Substation
4. Coopers Mills to Highland 115 kV transmission line
5. Other MPRP Scope
 - a. Rebuild 115 kV Section 258 (Formerly 84) to allow 345 kV line addition
 - b. Rebuild 115 kV Section 84 for reliability
 - c. Rebuild 115 kV Section 60 to allow 345 kV line addition
 - d. Rebuild 115 kV Section 88 to allow 345 kV line addition
 - e. Rebuild 115 kV Section 212 to allow 345 kV line addition

Sequence IV consists of the following major portions of the MPRP scope:

1. Albion Road to Coopers Mills 345 kV Transmission Line
 - a. Coopers Mills Substation
2. Larrabee Road to Coopers Mills 345 kV Transmission Line
3. Other MPRP Scope
 - a. Rebuild 115 kV Section 89 to allow 115 kV line addition
 - b. Rebuild 115 kV Section 229 to allow 115 kV line addition

Sequence V consists of the following major portions of the MPRP scope:

1. Livermore Falls to Rumford IP 115 kV Transmission Line

2. MPRP Double Circuit Tower Separations

- a. Separate 345 kV DCT at the Kennebec River Crossing
- b. Separate 345 kV DCT at Maine Yankee
- c. Separate 115 kV DCT at Bucksport

3. Other MPRP Scope

- a. Rebuild 115 kV Section 86 for reliability
- b. Maine Yankee Substation Expansion
- c. Belfast Substation expansion and Capacitor Bank addition