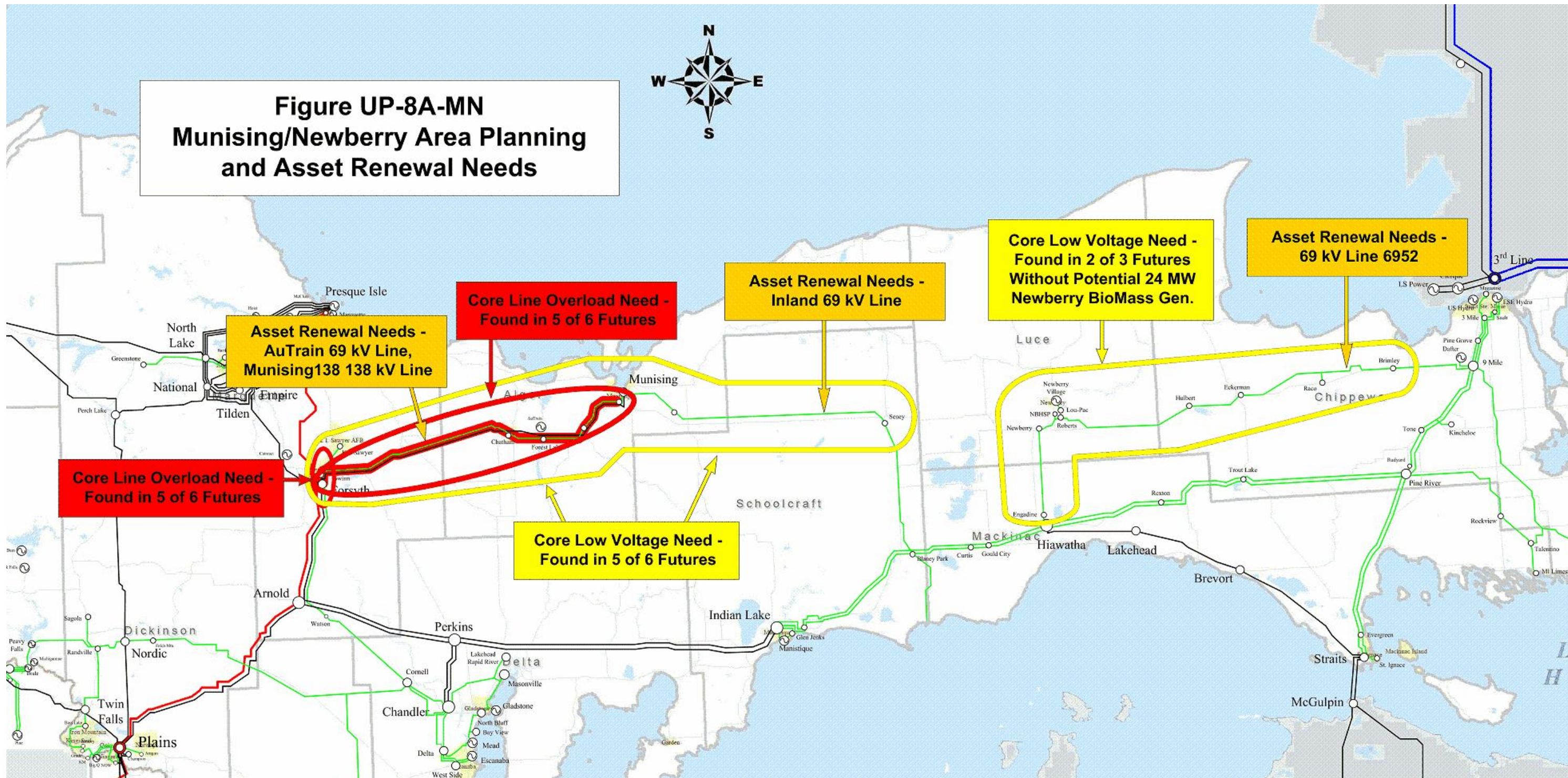


Table UP-8A-MN: Munising/Newberry Area Preliminary Solution Sets – Summary

					Strategic Flexibility Future (Planning Needs N-1 @ Peak)						Asset Mgmt. Needs
Solution Set	Map Item #	Solutions Description	In Service Year	Estimated Cost (\$M)	Robust Economy Future Solutions Group	High Retirements Future Solutions Group	High Environmental Future Solutions Group	Slow Growth Future Solutions Group	DOE 20% Wind Future Solutions Group	Fuel & Investment Limitations Future Solutions Group	Asset Renewal Needs
A	C-AR1 C-AR2 E-AR3	Minimum Asset Renewal projects	2012-15	\$51M	Not Adequate	Not Adequate	Not Adequate	Adequate	Not Adequate	Not Adequate	Addressed
B	C10 C17 C-AR1 C-AR2 E-AR3	New Forsyth-Gwinn 69 kV line (0.8 mi) Close Inland line (Munising-Seney-Blaney Park) & uprate to 167° F Minimum Asset Renewal projects	2012-15	\$68M	Adequate	Adequate	Not Adequate East	No Planning Need	Not Adequate Central	Not Adequate East	Addressed
C	C10 E10 C17a C-AR1 C-AR2 E-AR3	New Forsyth-Gwinn 69 kV line (0.8 mi) New Seney-Roberts 69kV line (24 mi), remove Seney-Blaney line Uprate Inland line (Munising-Seney 69 kV) to 167° F Minimum Asset Renewal projects	2012-15	\$82M	Adequate	Adequate	Adequate	No Planning Need	Adequate	Adequate	Addressed
D	C10 C17 E11 C-AR1 C-AR2	New Forsyth-Gwinn 69 kV line (0.8 mi) Close Inland line (Munising-Seney-Blaney Park) & uprate to 167° F Rebuild line 6952 (Roberts-9 Mile 69 kV) at 69 kV (54 mi) Minimum Asset Renewal projects	2013-15	\$118M	Adequate	Adequate	Adequate	No Planning Need	Not Adequate Central	Adequate	Addressed
E	C10 C12 E11 C-AR1 C-AR2	New Forsyth-Gwinn 69 kV line (0.8 mi) Rebuild AuTrain line (Gwinn-Munising 69 kV) @ 69 kV (45 mi) Rebuild line 6952 (Roberts-9 Mile 69 kV) at 69 kV (54 mi) Minimum Asset Renewal projects	2013-16	\$119M	Adequate	Not Adequate Central (AuTrain 138 kV Adequate, C13 vs. C12)	Adequate	No Planning Need	Not Adequate Central (AuTrain 138 kV Adequate, C13 vs. C12)	Adequate	Addressed



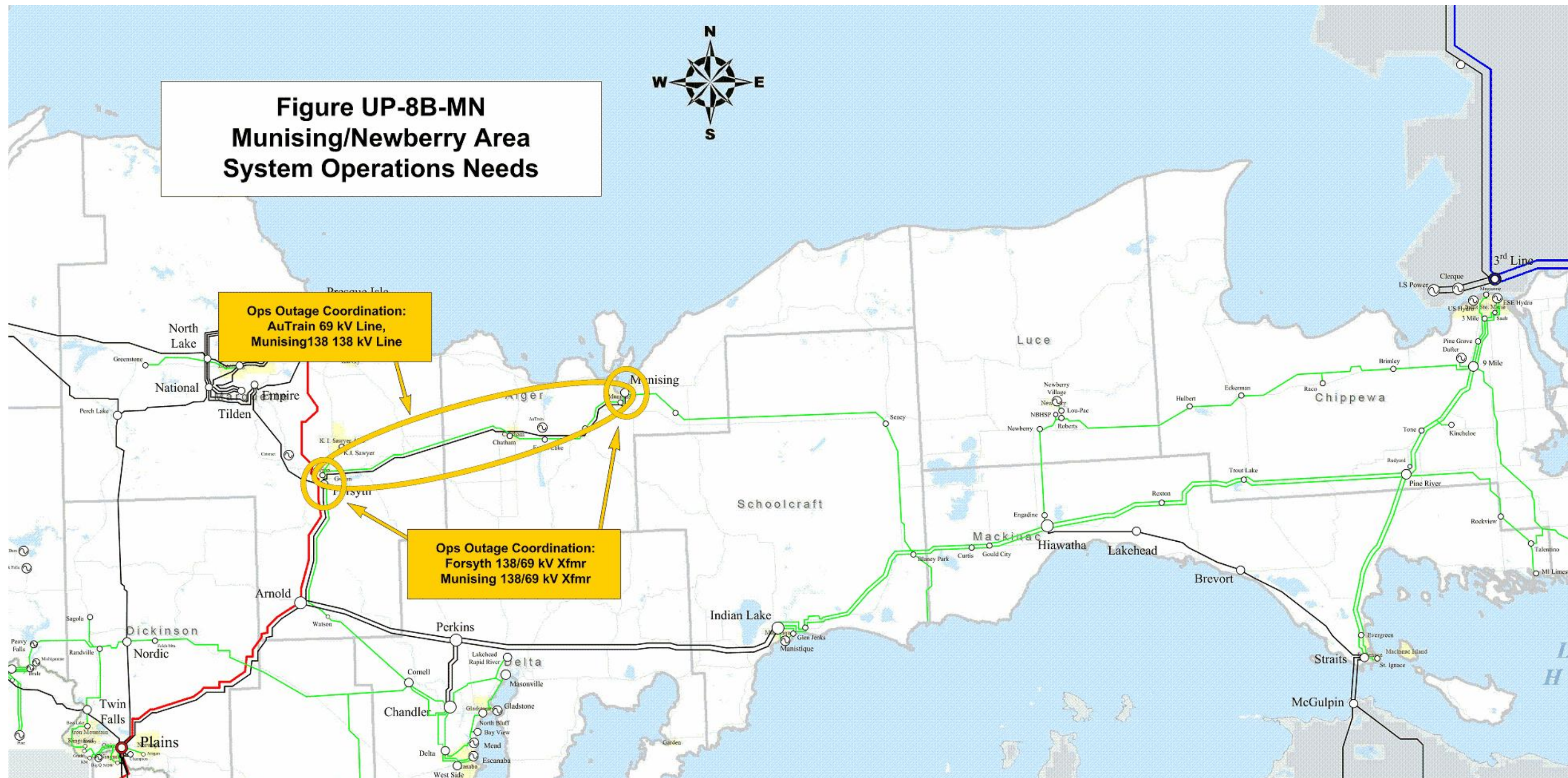


Figure UP-8C-MN: Munising/Newberry Area Core Transmission Solution Sets Considered

