

Figure 2. Byron – North Madison and 2 Fixes Diagram

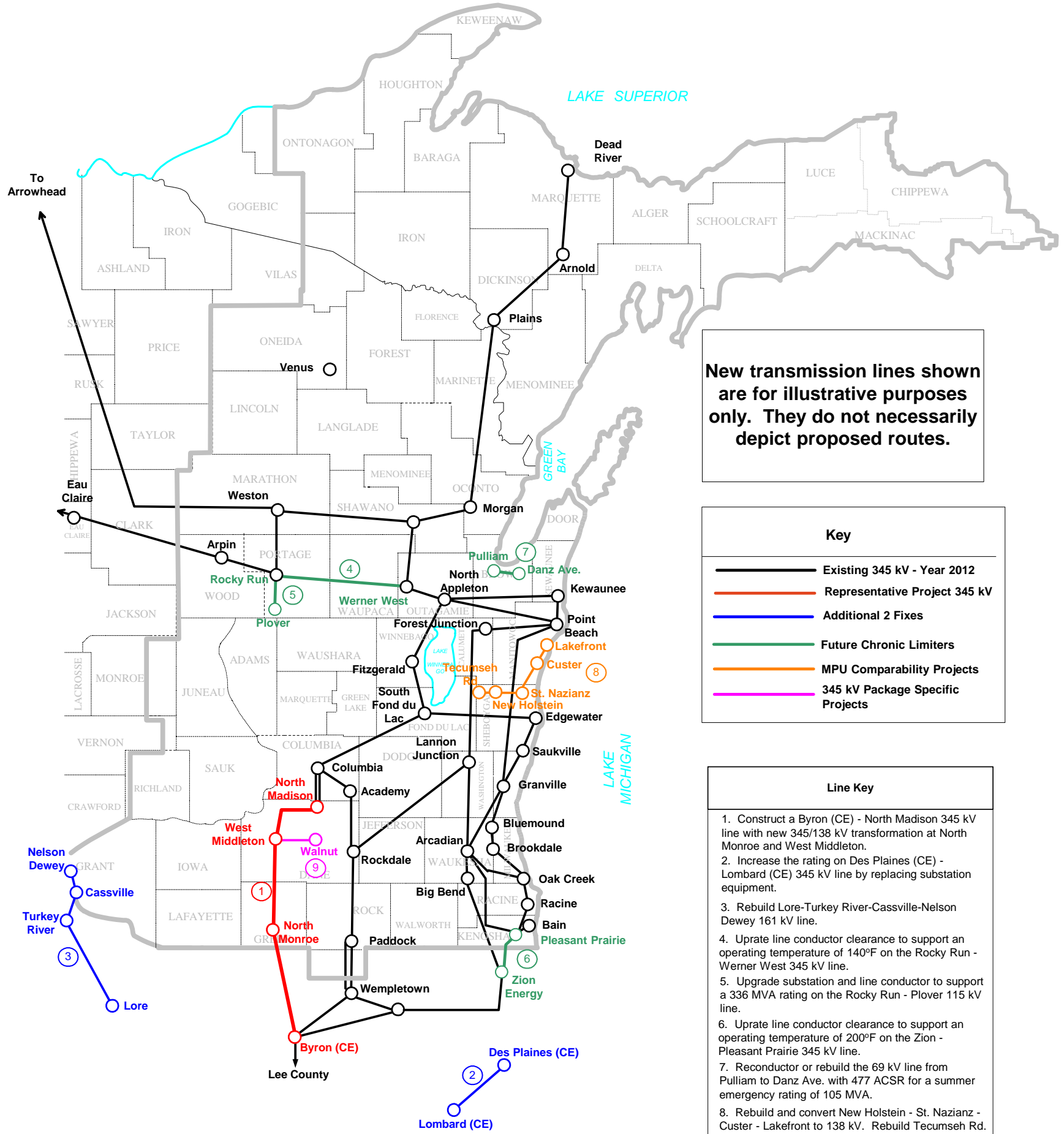
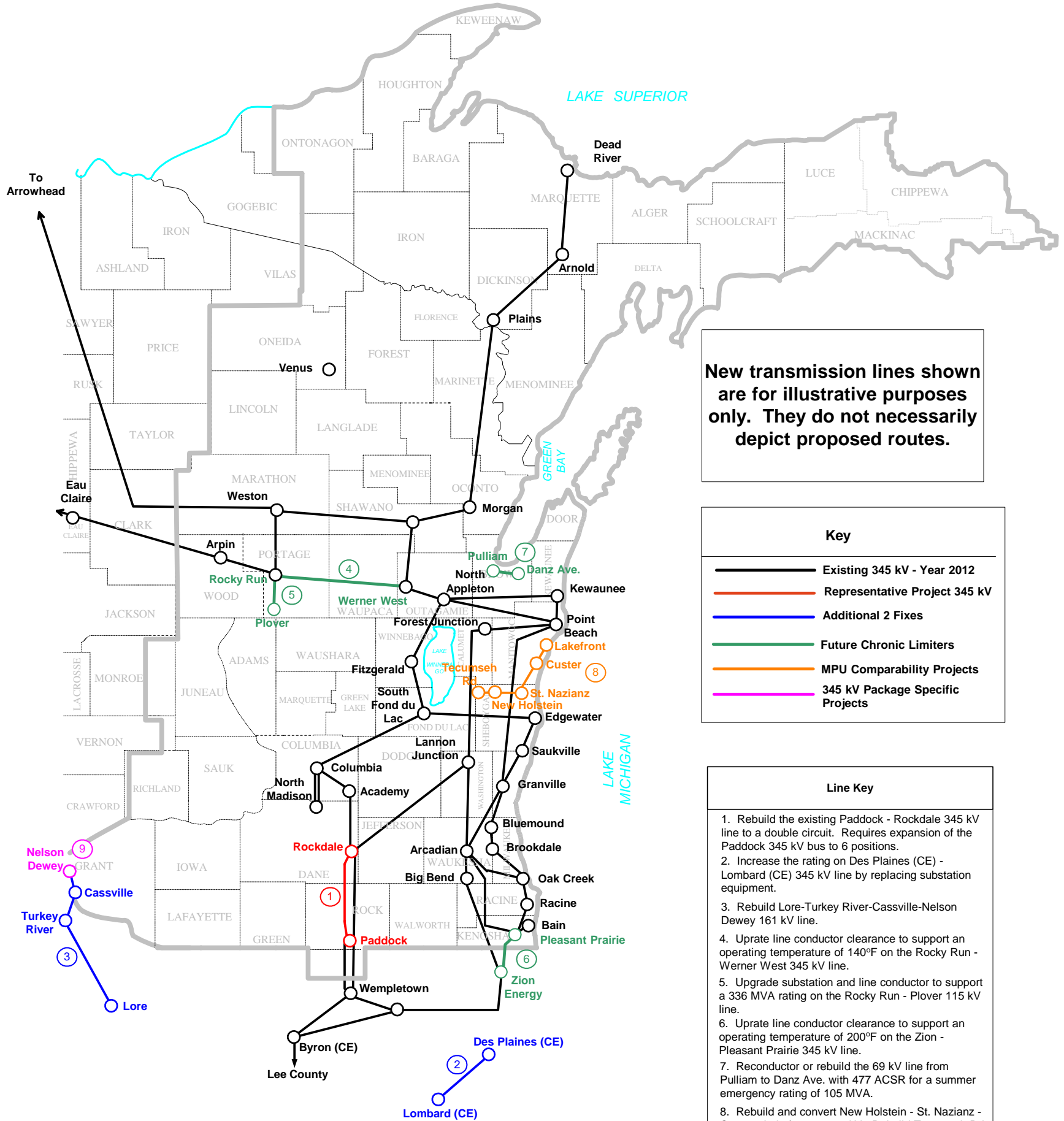


Figure 3. Paddock – Rockdale and 2 Fixes Diagram



New transmission lines shown are for illustrative purposes only. They do not necessarily depict proposed routes.

Key	
	Existing 345 kV - Year 2012
	Representative Project 345 kV
	Additional 2 Fixes
	Future Chronic Limiters
	MPU Comparability Projects
	345 kV Package Specific Projects

Line Key	
1.	Rebuild the existing Paddock - Rockdale 345 kV line to a double circuit. Requires expansion of the Paddock 345 kV bus to 6 positions.
2.	Increase the rating on Des Plaines (CE) - Lombard (CE) 345 kV line by replacing substation equipment.
3.	Rebuild Lore-Turkey River-Cassville-Nelson Dewey 161 kV line.
4.	Uprate line conductor clearance to support an operating temperature of 140°F on the Rocky Run - Werner West 345 kV line.
5.	Upgrade substation and line conductor to support a 336 MVA rating on the Rocky Run - Plover 115 kV line.
6.	Uprate line conductor clearance to support an operating temperature of 200°F on the Zion - Pleasant Prairie 345 kV line.
7.	Reconductor or rebuild the 69 kV line from Pulliam to Danz Ave. with 477 ACSR for a summer emergency rating of 105 MVA.
8.	Rebuild and convert New Holstein - St. Nazianz - Custer - Lakefront to 138 kV. Rebuild Tecumseh Rd. - New Holstein to a 138/69 kV transmission line. Install 138/69 kV transformation at Custer and Lakefront.
9.	Install a second 161/138 kV Transformer at Nelson Dewey.

Figure 4. Salem – North Madison and 2 Fixes Diagram

