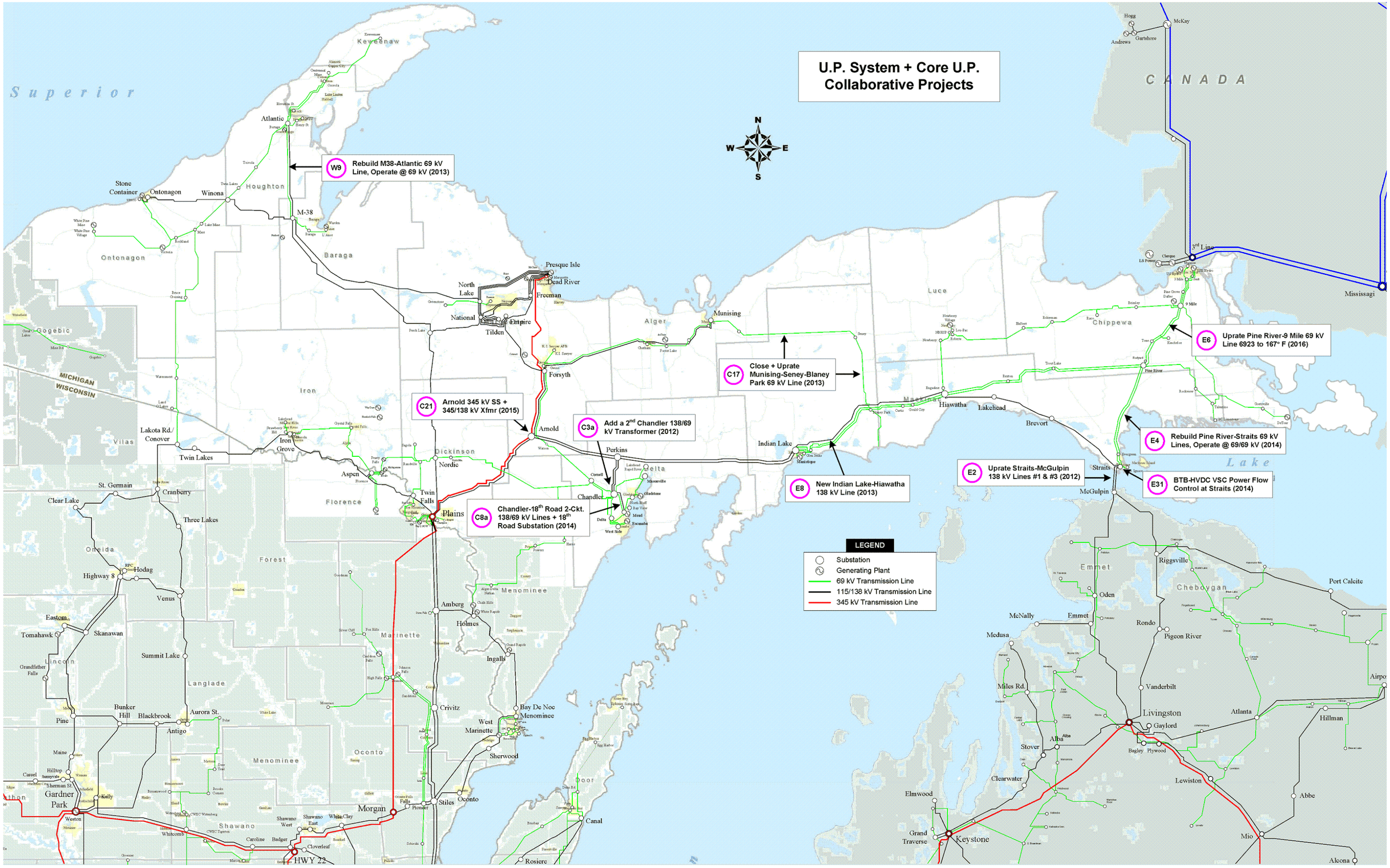
U.P. System + Core U.P. Collaborative Projects
W9 Rebuild M38-Atlantic 69 kV Line, Operate @ 69 kV (2013)
C21 Arnold 345 kV SS + 345/138 kV Xfmr (2015)
C3a Add a 2nd Chandler 138/69 kV Transformer (2012)
C8a Chandler-18th Road 2-Ckt. 138/69 kV Lines + 18th Road Substation (2014)
C17 Close + Uprate Munising-Seney-Blaney Park 69 kV Line (2013)
E8 New Indian Lake-Hiawatha 138 kV Line (2013)
E2 Uprate Straits-McGulpin 138 kV Lines #1 & #3 (2012)
E6 Uprate Pine River-9 Mile 69 kV Line 6923 to 167° F (2016)
E4 Rebuild Pine River-Straits 69 kV Lines, Operate @ 69/69 kV (2014)
E31 BTB-HVDC VSC Power Flow Control at Straits (2014)
LEGEND
Substation
Generating Plant
69 kV Transmission Line
115/138 kV Transmission Line
345 kV Transmission Line
Superior
Lake
CANADA
MICHIGAN
WISCONSIN
Keweenaw
Houghton
Ontonagon
Baraga
Iron
Gogebic
Vilas
Florence
Dickinson
Menominee
Marinette
Oconto
Forest
Oneida
Langlade
Lincoln
Shawano
Door
Alger
Luce
Chippewa
Mackinac
Delta
Emmet
Cheboygan
Stone Container
Ontonagon
Winona
Atlantic
M-38
Presque Isle
Dead River
Freeman
North Lake
National
Tilden
Empire
Forsyth
Arnold
Perkins
Chandler
Plains
Twin Falls
Nordic
Aspen
Iron Grove
Lakota Rd./ Conover
Twin Lakes
Cranberry
St. Germain
Clear Lake
Three Lakes
Hodag
Highway 8
Venus
Eastom
Tomahawk
Skanawan
Summit Lake
Bunker Hill
Blackbrook
Aurora St.
Antigo
Pine
Maine
Hilltop
Sherman St.
Gardner Park
Weston
Kelly
Morgan
Shawano West
Shawano East
White Clay
Whitcomb
Caroline
Badger
Cloverleaf
HWY 22
Pioneer
Stiles
Oconto
Crivitz
Amberg
Holmes
Ingalls
Bay De Noc
Menominee
West Marinette
Sherwood
Canal
Rosiere
Munising
Indian Lake
Hiawatha
Lakehead
Brevort
Seney
Trout Lake
Engadine
Newberry
Eckerman
Hulbert
Raco
Rexton
Pine River
Rockview
Straits
McGulpin
Mackinaw City
Cheboygan
Riggsville
Oden
Emmet
McNally
Medusa
Rondo
Pigeon River
Port Calcite
Miles Rd.
Vanderbilt
Livingston
Gaylord
Bagley
Plywood
Atlanta
Hillman
Stover
Alba
Clearwater
Lewiston
Abbe
Elmwood
Grand Traverse
Keystone
Mio
Alcona
Hogg
McKay
Andrews
Gartshore
3rd Line
Mississagi
9 Mile
Pine Grove
Dollar
Bremley
Tone
Enochville
Rockwood
Gottsville
Talmadge
Crystal Lake
DeTour
Chippewa
Luce
Mackinac
Delta
Emmet
Cheboygan
Alpena
Presque Isle
Alcona
Airpo