Minnesota – Iowa 345 kV Transmission Project and Associated Facilities in Jackson, Martin, and Faribault Counties

Docket Nos. ET6675/CN-12-1053 & ET6675/TL-12-1337

Project Proposal Summary

ITC Midwest LLC ("ITC Midwest"), has applied to the Minnesota Public Utilities Commission ("Commission") for a Certificate of Need and a Route Permit to construct the Minnesota portion of the Minnesota – Iowa 345 kilovolt ("kV") Transmission Project. "Project" refers to the Minnesota portion of the Minnesota – Iowa 345 kV Transmission Project, which ITC Midwest proposes to construct in Minnesota and Iowa. ITC Midwest expects to begin construction on the Project by early 2016 and be completed mid-year 2017.

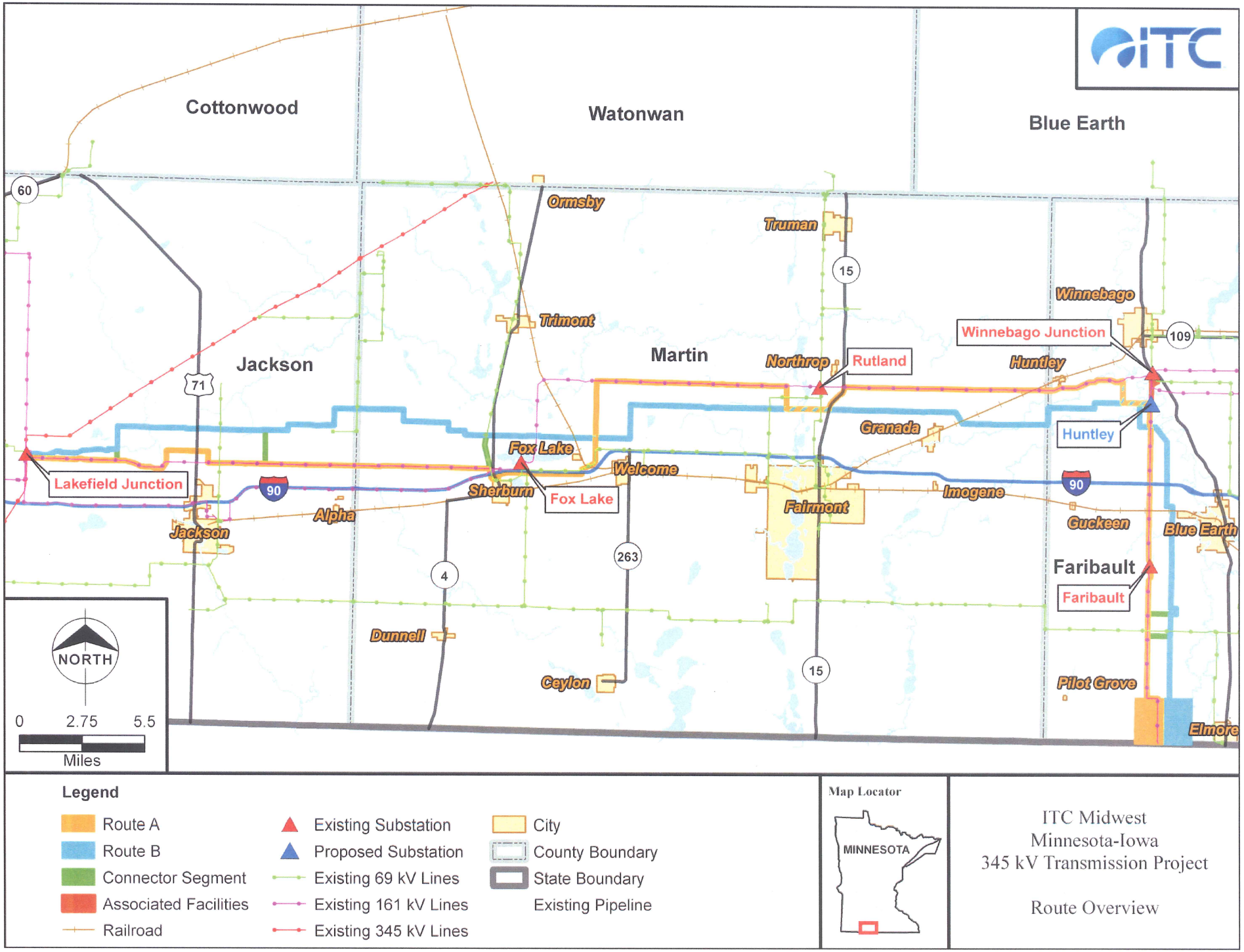
The Minnesota – Iowa 345 kV Transmission Project is needed to enhance regional reliability, increase transmission capacity to support additional generation, including generation to meet renewable energy standards throughout the region, and to remove constraints on the transmission system in Southern Minnesota which will enable more efficient and cost-effective delivery of energy. The facilities comprise a portion of the Midcontinent Independent System Operator ("MISO") Multi-Value Projects ("MVP") portfolio Project 3. MISO oversees and coordinates regional transmission planning and regional transmission services and manages access to the transmission grid to facilitate fair and competitive wholesale electric markets.

For the Project, ITC Midwest proposes to construct a 345 kV transmission line from an expanded Lakefield Junction Substation, east of the City of Lakefield, in Jackson County, east through Martin County to a new Huntley Substation, south of the City of Winnebago, in Faribault County, before turning south to the Iowa border, as shown on the accompanying map. The Project also includes reconfiguring several miles of 69 kV and 161 kV transmission line near the Huntley Substation and removing the existing Winnebago Junction Substation. The Project will be approximately 75 miles long in Minnesota. The Iowa portion will be approximately 25 miles long and is subject to review and approval by the Iowa Utilities Board.

Route A follows an existing ITC Midwest 161 kV transmission line for 75 percent of its length, and linear features for 92 percent of its length. This route anticipates co-locating the 345 kV line with existing transmission facilities where feasible on 345 kV/161 kV double-circuit structures.

Route B is located within two miles of Route A and follows linear features for 72 percent of its length. This route anticipates using 345 kV/161 kV double-circuit capable structures that allow for future expansion of the transmission system. Only one set of arms, the 345 kV arms, will initially be installed as part of the Project. A 161 kV circuit could be added in the future when conditions warrant and after additional regulatory approvals have been obtained.

ITC Midwest proposes to acquire a permanent right-of-way, 200 feet wide for the 345 kV and 345 kV/161 kV transmission lines and 150 feet wide for 161 kV transmission lines to be reconfigured from the Winnebago Junction Substation into the new Huntley Substation. ITC Midwest proposes to primarily use single pole, weathering or galvanized steel double-circuit structures for the 345 kV/161 kV portions of the Project and single pole single-circuit or double-circuit structures for the 161 kV transmission lines between the Winnebago Junction and Huntley substations. The 345 kV/161 kV structures will be designed to use spans of approximately 700 to 1,000 feet. The 161 kV and 161 kV/161 kV structures will be designed to use spans of 600-800 feet, except shorter spans will be used if co-located with distribution lines.


ITC
Cottonwood
Watonwan
Blue Earth
Jackson
Martin
Ormsby
Truman
Trimont
Northrop
Rutland
Winnebago
Winnebago Junction
Huntley
Granada
Huntley
Fox Lake
Welcome
Lakefield Junction
Sherburn
Fox Lake
Alpha
Jackson
Fairmont
Imogene
Guckeen
Blue Earth
Faribault
Faribault
Dunnell
Ceylon
Pilot Grove
Elmore
60
71
90
4
263
15
109
NORTH
0
2.75
5.5
Miles
Legend
Route A
Route B
Connector Segment
Associated Facilities
Railroad
Existing Substation
Proposed Substation
Existing 69 kV Lines
Existing 161 kV Lines
Existing 345 kV Lines
City
County Boundary
State Boundary
Existing Pipeline
Map Locator
MINNESOTA
ITC Midwest
Minnesota-Iowa
345 kV Transmission Project
Route Overview