Manitoba-Minnesota Transmission Project

Project Infrastructure
- Converter Station (Existing)
- Final Preferred Route (FPR)

Infrastructure
- Existing 500kV Transmission Line
- Existing 230kV Transmission Line

Zoning By-law Zones
Development Impediment Rank
- 1-5 (Agriculture Zoning)
- 6-10
- 11-15
- 16-20 (Other, Urban Zoning & Open Space Zoning)

Community Pastures, Provincial Forests and Crown Lands (No Zoning)

Assessment Area
- Land and Resource Use
- Local Assessment Area
- Regional Assessment Area

Landbase
- Community
- Railway
- Trans Canada Provincial Highway
- Provincial Road
- City
- First Nation Lands
- Provincial Park
- Rural Municipality

Source:
1. Zoning By-law Zones Development Impediment Rank, 2014, MMM Group

Coordinate System: UTM Zone 14N NAD83
Data Source: MBHydro, ProvMB, NRCAN
Date Created: July 20, 2015

Map 16-5

Zoning By-law Zones
The image appears to be a map of the Manitoba-Minnesota Transmission Project. The map includes various components such as project infrastructure, high value forest areas, landbase, and assessment areas. The Project Infrastructure section highlights Converter Station (Existing), Final Preferred Route (FPR), and existing 500kV and 230kV transmission lines. The High Value Forest Area section identifies permanent sample plots, trees for tomorrow, tending, and tree improvement sites. The Landbase section includes communities, trans Canada highway, provincial highways, provincial roads, cities/towns, First Nation lands, and rural municipalities. The Assessment Area section categorizes forestry local assessment area, forestry regional assessment area, wildlife management area, ecological reserve, and waterbodies. The map also indicates the project's data source and creation date.
Manitoba-Minnesota Transmission Project

Project Infrastructure
Final Preferred Route (FPR)

Infrastructure
- Electrical Station
- Existing 230kV Transmission Line
- St. Vital Transmission Complex (Proposed)
- Existing 115-230kV Transmission Line

Private Forest Land Areas
- Trees For Tomorrow
- Shelterbelt
- Manitoba Forestry Association Woodlot Locations

Assessment Area
- Project Development Area (PDA)
- Forestry Local Assessment Area

Landbase
- Community
- Railway
- Trans Canada
- Provincial Highway
- Provincial Road
- City / Town
- National/Provincial Park
- Rural Municipality

Source:

Coordinate System: UTM Zone 14N NAD83
Data Source: MBHydro, ProvMB, NRCAN
Date Created: July 28, 2015

Private Land Forest Areas
Project Infrastructure
- Final Preferred Route (FPR)

Infrastructure
- Existing 230kV Transmission Line
- St. Vital Transmission Complex (Proposed)
- Existing 115-230kV Transmission Line

Private Forest Land Areas
- Manitoba Forestry Association Woodlot Locations
- Private Forest Land - Provincial Forest Inventory

Assessment Area
- Project Development Area (PDA)
- Forestry Local Assessment Area

Landbase
- Community
- Railway
- Trans Canada
- Provincial Highway
- Provincial Road
- Rural Municipality

Source:
Red River Floodway

100 Southern Loop Transmission Corridor

Grande Pointe

59

Canadian Pacific Railway (CPR)

Springfield

Winnipeg

Tache

Ritchot

City of Winnipeg

Infrastructure

St. Viateur Transmission Complex (Proposed)

Existing 115-230kV Transmission Line

Private Forest Land Areas

Trees For Tomorrow

Manitoba Forestry Association Woodlot Locations

Private Forest Land - Provincial Forest Inventory

Assessment Area

Project Development Area (PDA)

Forestry Local Assessment Area

Landbase

Community

Railway

Trans Canada

Provincial Highway

Provincial Road

City / Town

Rural Municipality

Private Forest Land Areas

Source:

Coordinate System: UTM Zone 14N NAD83

Data Source: MBHydro, ProvMB, NRCAN

Date Created: July 28, 2015
Manitoba-Minnesota Transmission Project

Project Infrastructure
- Final Preferred Route (FPR)

Infrastructure
- Existing 230kV Transmission Line

Private Forest Land Areas
- Shelterbelt
- Private Forest Land - Photo Interpretation
- Manitoba Forestry Association Woodlot Locations
- Private Forest Land - Provincial Forest Inventory

Assessment Area
- Project Development Area (PDA)
- Forestry Local Assessment Area

Landbase
- Community
- Railway
- Trans Canada
- Provincial Highway
- Provincial Road
- Rural Municipality

Source:

Coordinate System: UTM Zone 14N NAD83
Data Source: MBHydro, ProvMB, NRCAN
Date Created: July 28, 2015
Map 16-300-12

Private Land Forest Areas
Private Land Forest Areas

- Shelterbelt
- Private Forest Land - Photo Interpretation
- Manitoba Forestry Association Woodlot Locations
- Private Forest Land - Provincial Forest Inventory

Assessment Area
- Project Development Area (PDA)
- Forestry Local Assessment Area

Landbase
- Community
- Railway
- Trans Canada
- Provincial Highway
- Provincial Road
- Rural Municipality

Source:

Coordinate System: UTM Zone 14N NAD83
Data Source: MBHydro, ProvMB, NRCAN
Date Created: July 28, 2015

Map 16-300-13
Manitoba-Minnesota Transmission Project

Project Infrastructure
- Final Preferred Route (FPR)

Private Forest Land Areas
- Trees For Tomorrow
- Shelterbelt
- Private Forest Land - Photo Interpretation
- Manitoba Forestry Association Woodlot Locations
- Private Forest Land - Provincial Forest Inventory

Assessment Area
- Project Development Area (PDA)
- Forestry Local Assessment Area

Landbase
- Community
- Railway
- Trans Canada
- Provincial Highway
- Provincial Road
- Rural Municipality

Source:

Coordinate System: UTM Zone 14N NAD83
Data Source: MBHydro, ProxMB, NRCAN
Date Created: July 28, 2015

Private Land Forest Areas

Map 16-300-15
Manitoba-Minnesota Transmission Project

Project Infrastructure
- Final Preferred Route (FPR)

Private Forest Land Areas
- Private Forest Land - Photo Interpretation
- Manitoba Forestry Association Woodlot Locations
- Private Forest Land - Provincial Forest Inventory

Assessment Area
- Project Development Area (PDA)
- Forestry Local Assessment Area

Landbase
- Community
- Railway
- Trans Canada
- Provincial Highway
- Provincial Road
- Rural Municipality

Source:

Coordinate System: UTM Zone 14N NAD83
Data Source: MBHydro, ProvMB, NRCAN
Date Created: July 28, 2015

Private Land Forest Areas
Map of Manitoba-Minnesota Transmission Project

**Private Forest Land Areas**

- Woodlot locations, 2013, Manitoba Forestry Association (MFA).

**Landbase**

- Community
- Railway
- Trans Canada
- Provincial Highway
- Provincial Road
- Rural Municipality

**Sources**


**Coordinate System:** UTM Zone 14N NAD83

Data Source: MBHydro, ProMine, NRCAN

Date Created: July 28, 2015

Map 16-300-20
Glenboro South Station

Depth to Groundwater in Wells

Map 16-1

Water Wells
- Depth to Groundwater:
  - Less than 0 (Above-ground)
  - 0 - 5
  - 5 - 10
  - > 10
  - No Data

Landbase
- Community
- Provincial Highway
- Provincial Road
- Railway
- City / Town
- First Nation
- Wildlife Management Area
- National/Provincial Park
- Rural Municipality

Source:

Coordinate System: UTM Zone 14N NAD83
Data Source: MBHydro, ProvMB, NRCAN
Date Created: July 20, 2015

Manitoba-Minnesota Transmission Project

Infrastructure
- Electrical Station
- Existing Transmission Line

Map 16-15
Glenboro South Station
Depth to Groundwater in Wells