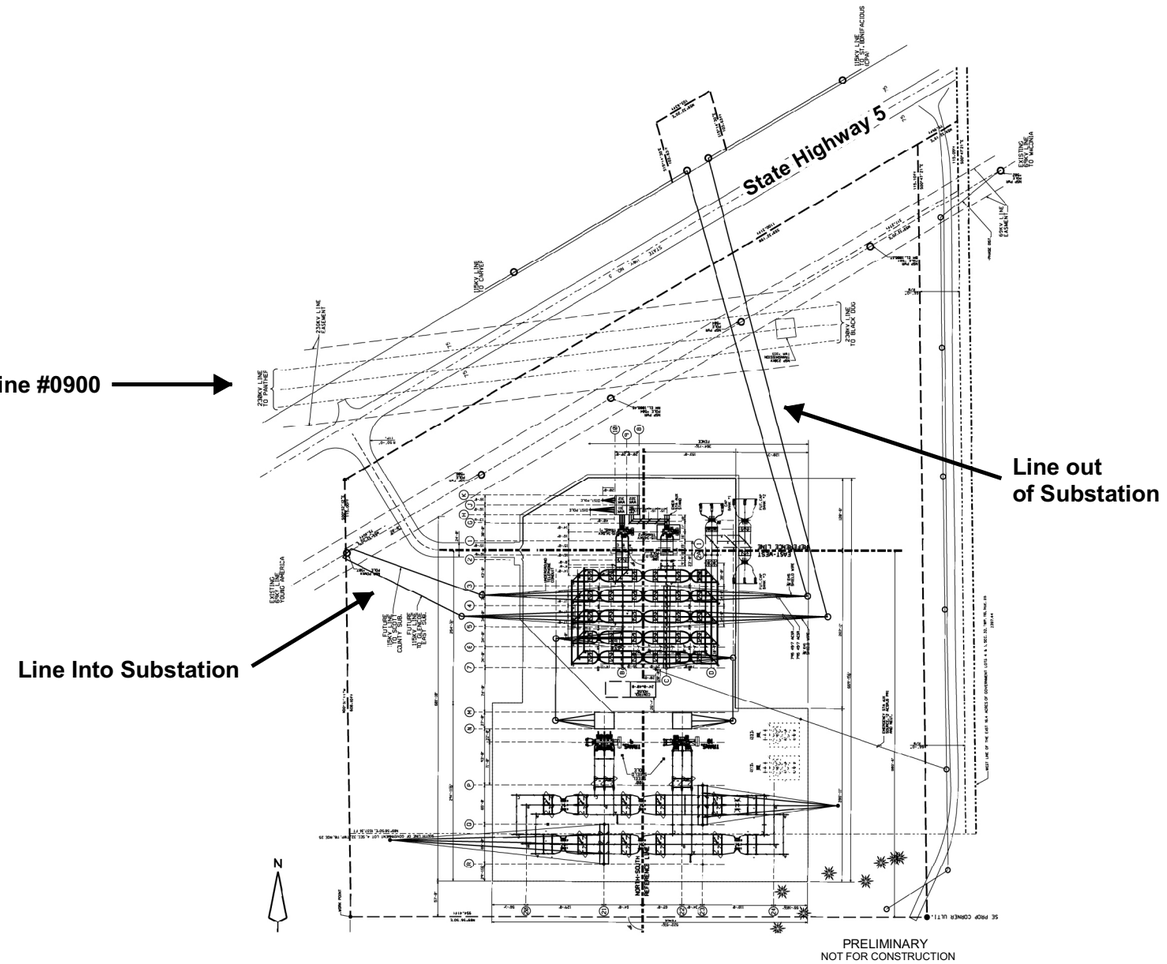
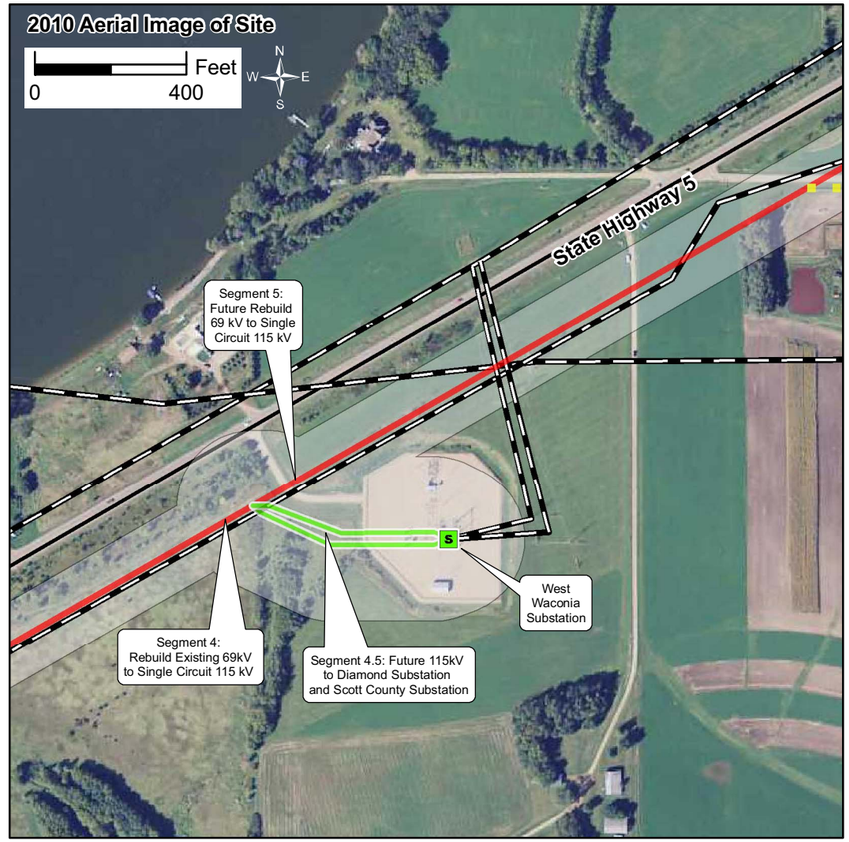


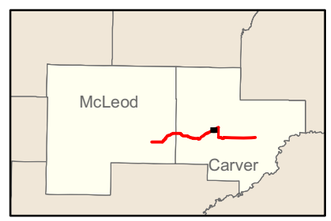

# Proposed Xcel Energy Southwest Twins Cities Glencoe - Waconia Transmission Line Rebuild Project

Greater SW Minneapolis Metro, Minnesota

N
W E
S

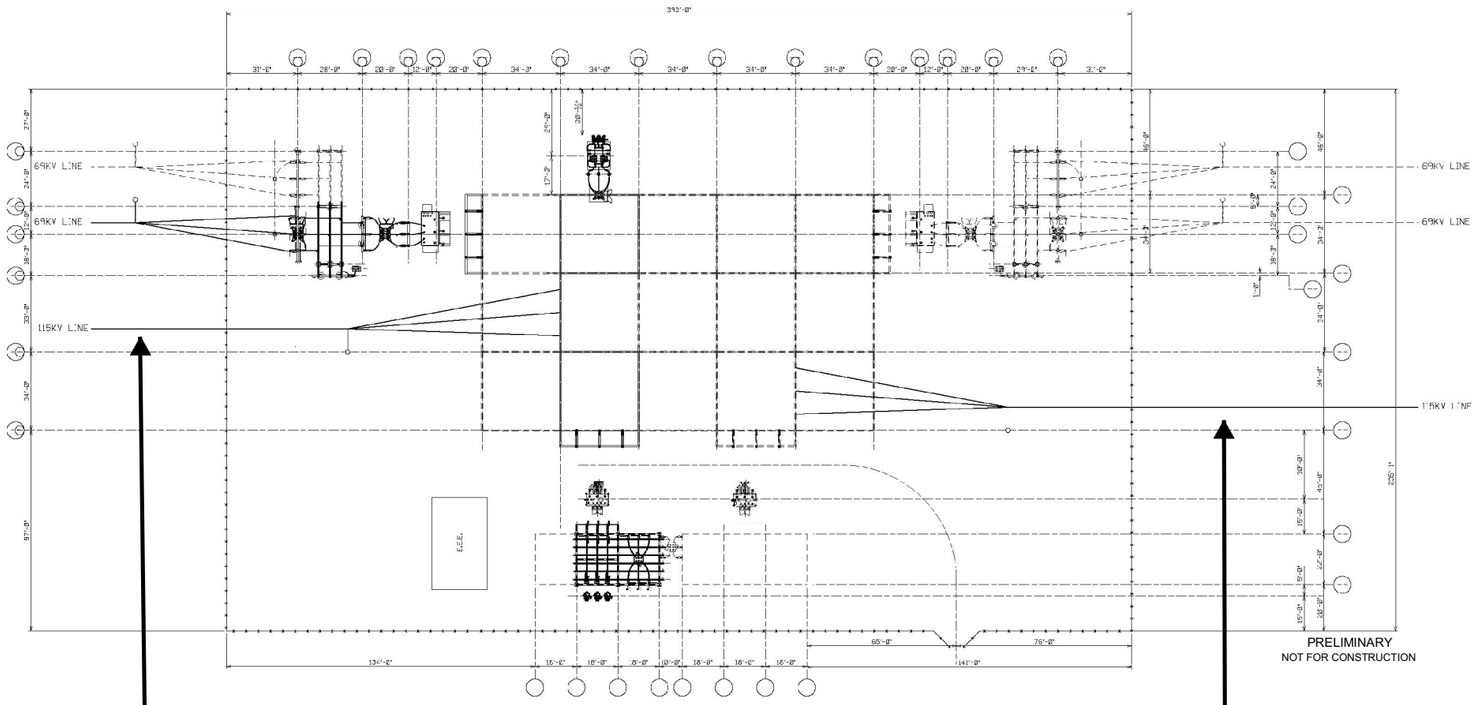
- Rebuild (as Shown)
- New Transmission Line Route
- Alternate Routes
- Existing Transmission Lines
- S Xcel Substations
- Construction Corridor (200ft & 400ft)
- Highway

Data Source(s): Xcel Energy (2010); and Westwood (2010); LMIC WMS Server 2010 Aerial (accessed 2010).



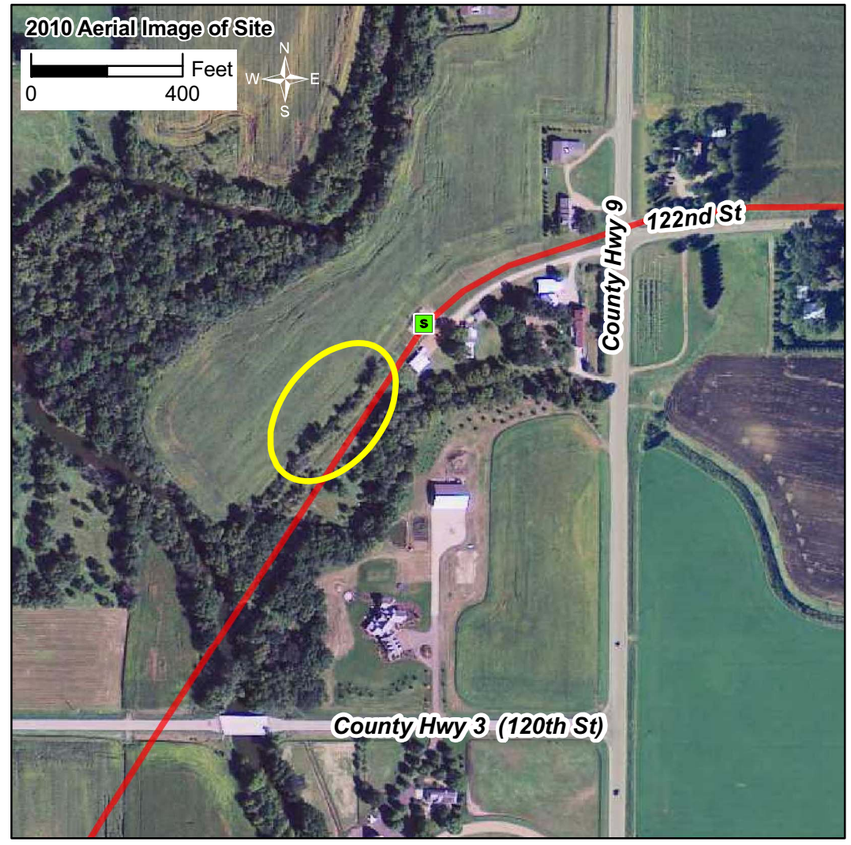

**Modifications to West Waconia Substation**

Map Document: (P:\20091075\gis\RPA\West_Section\101208\20091075Wproj01B_exB3a.mxd)
12/8/2010 – 3:31:56 PM




**Line into Substation**

**Line out of Substation**



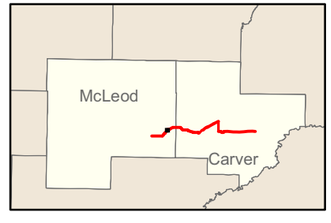

# Proposed Xcel Energy Southwest Twins Cities Glencoe - Waconia Transmission Line Rebuild Project

Greater SW Minneapolis Metro, Minnesota

- Xcel Line 0771 -- 69kV
- S Existing Plato Substation
- Approximate Relocation Area of Plato Substation

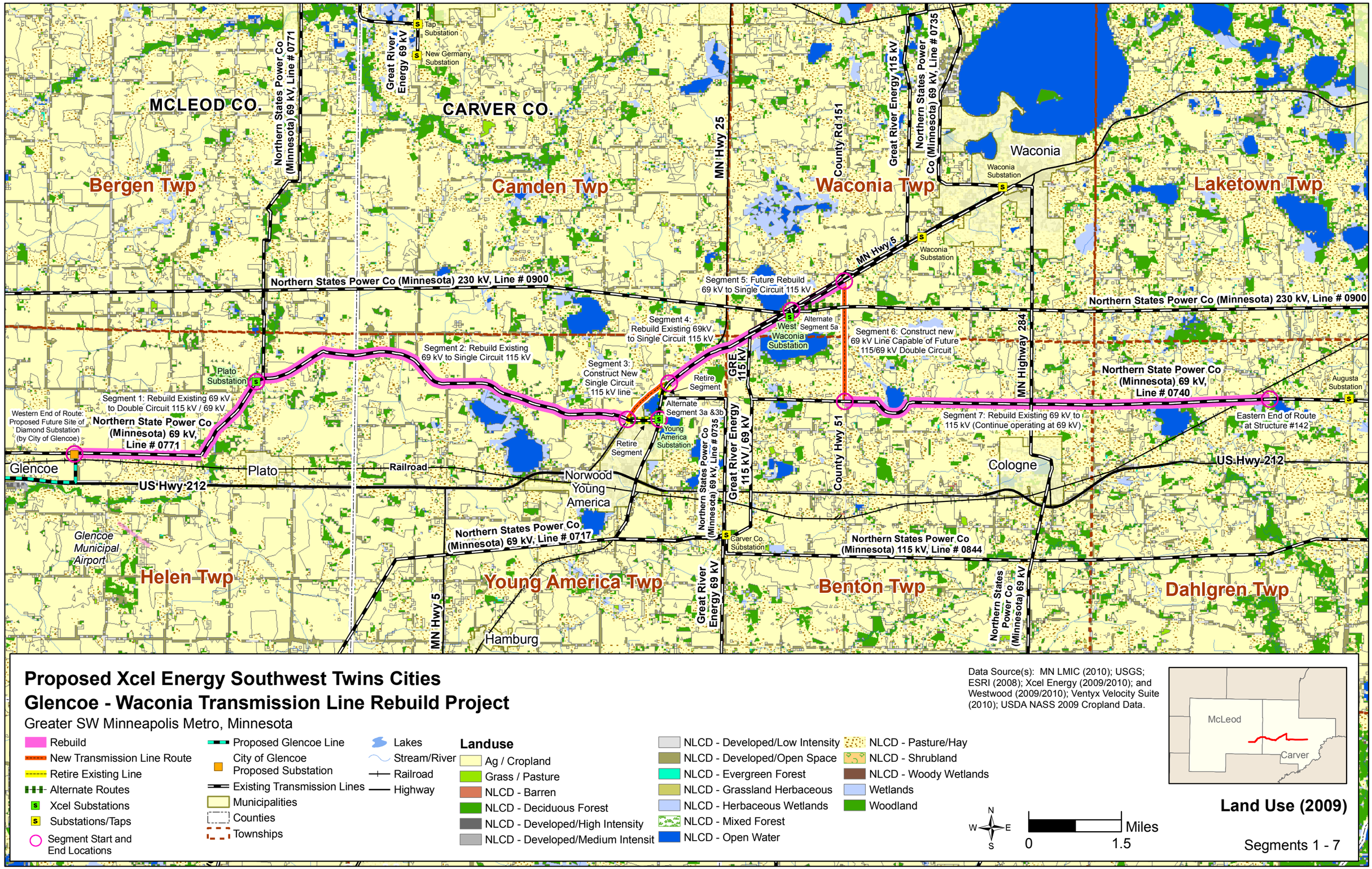
N
W E
S

Data Source(s): Xcel Energy (2010); and Westwood (2010); LMIC WMS Server 2010 Aerial (accessed 2010).




## Modifications to Plato Substation

Map Document: (P:\20091075\gis\RPA\West_Section\101208\20091075Wproj\03B_PlatoS.mxd)
12/9/2010 -- 4:31:38 PM




# Proposed Xcel Energy Southwest Twins Cities
# Glencoe - Waconia Transmission Line Rebuild Project

Greater SW Minneapolis Metro, Minnesota

- Rebuild
- New Transmission Line Route
- Retire Existing Line
- Alternate Routes
- Xcel Substations
- Substations/Taps
- Segment Start and End Locations
- Proposed Glencoe Line
- City of Glencoe Proposed Substation
- Existing Transmission Lines
- Municipalities
- Counties
- Townships
- Lakes
- Stream/River
- Railroad
- Highway

**Landuse**

- Ag / Cropland
- Grass / Pasture
- NLCD - Barren
- NLCD - Deciduous Forest
- NLCD - Developed/High Intensity
- NLCD - Developed/Medium Intensit
- NLCD - Developed/Low Intensity
- NLCD - Developed/Open Space
- NLCD - Evergreen Forest
- NLCD - Grassland Herbaceous
- NLCD - Herbaceous Wetlands
- NLCD - Mixed Forest
- NLCD - Open Water
- NLCD - Pasture/Hay
- NLCD - Shrubland
- NLCD - Woody Wetlands
- Wetlands
- Woodland

Data Source(s): MN LMIC (2010); USGS; ESRI (2008); Xcel Energy (2009/2010); and Westwood (2009/2010); Ventyx Velocity Suite (2010); USDA NASS 2009 Cropland Data.




N W E S

0 1.5 Miles

**Land Use (2009)**

Segments 1 - 7

Map Document: (P:\2009\1075\gis\RPA\West_Section\101110\20091075Wproj02B_landuse.mxd)
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