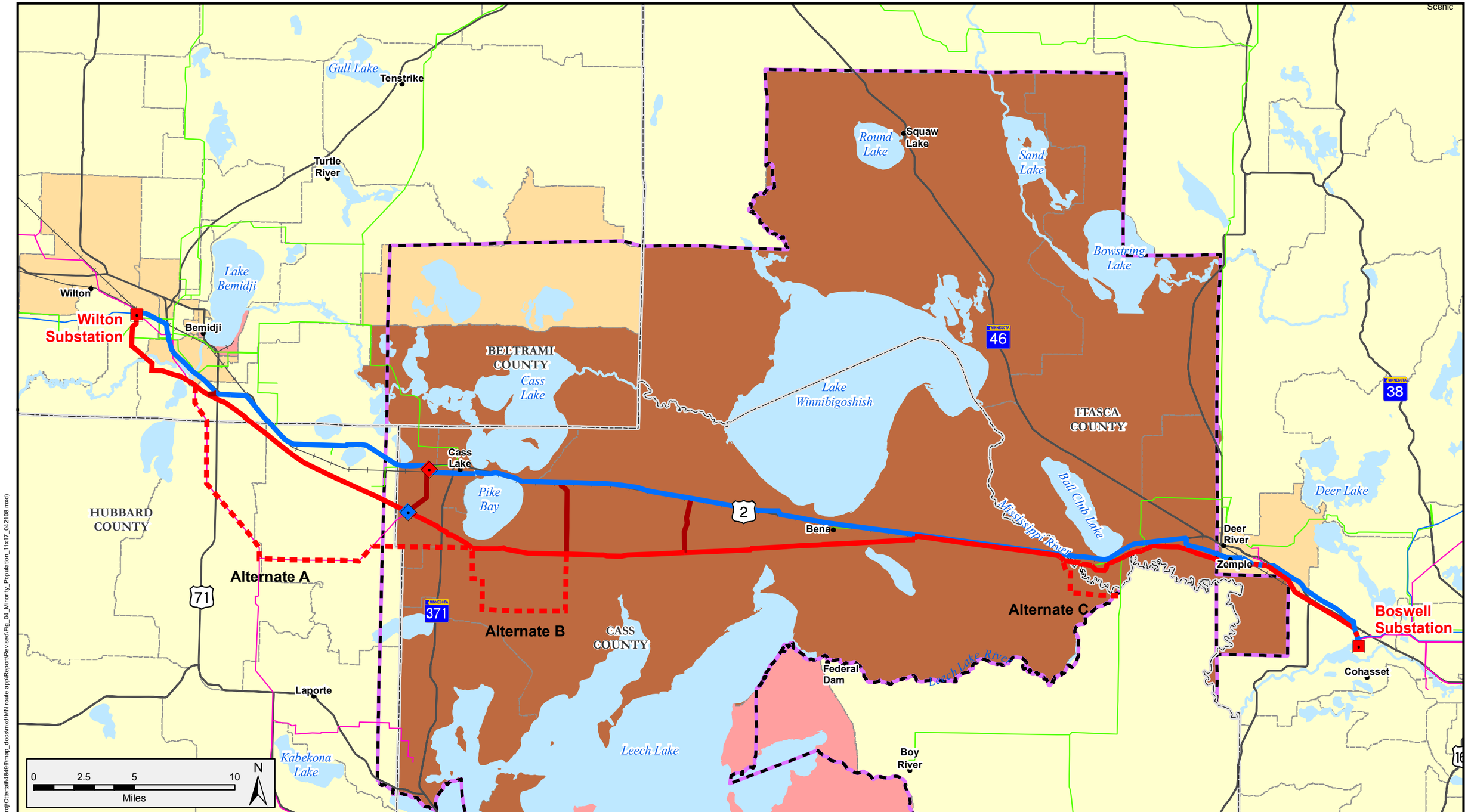

Bemidji-Grand Rapids
230-kV line
CapX2020
Delivering electricity you can rely on

Proposed Route Segments
- Route 1
- Route 2
- Alternate Route Segments
- Routes 1 & 2
- Crossover Segments

- Project Endpoint
- Potential Cass Lake Substation Expansion
- Potential New Substation
- Leech Lake Reservation
- County Boundaries

Existing Transmission Lines
- 69 kV
- 115 kV
- 230 kV

Minority Population by Block Group
- 0.00% to 12.40%
- 12.41% to 20.00%
- 20.01% to 30.00%
- Greater than 30%

Average minority population within four county area: 12.4%

Figure 4 - Minority Population
230 kV Bemidji to Grand Rapids
Transmission Line Project
Minnkota Power Cooperative,
Otter Tail Power Company & Minnesota Power

Map Document: (\\mspe-gis2\gisproj\Ottertail\48496\map_docs\mxd\MN route app\Report\Revised\Fig_04_Minority_Population_11x17_042108.mxd)
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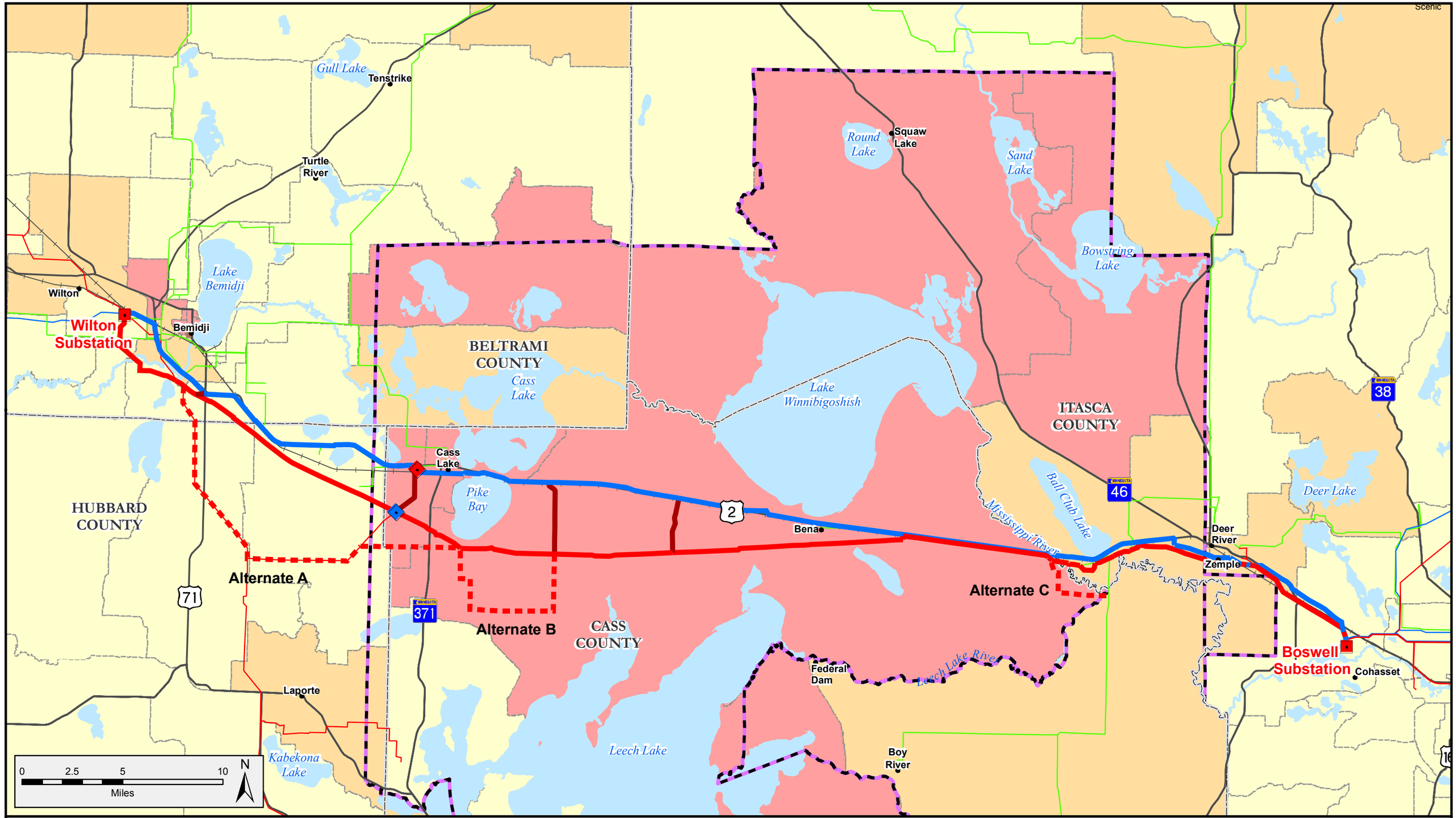
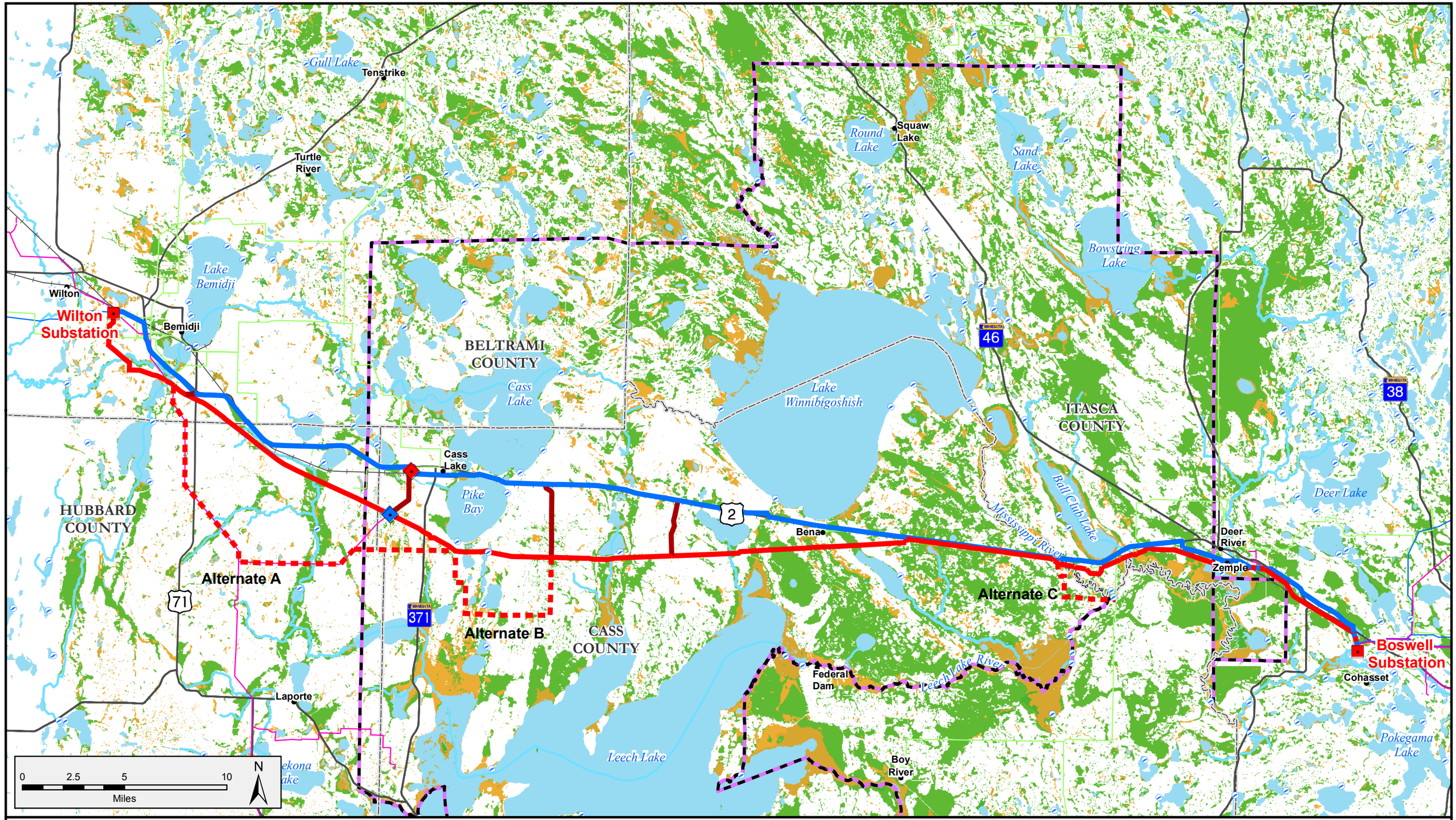


Figure 5 - Population Below Poverty Level
230 kV Bemidji to Grand Rapids
Transmission Line Project
Minnkota Power Cooperative,
Otter Tail Power Company & Minnesota Power



Bemidji-Grand Rapids 230-kV line
CapX2020
Delivering electricity you can rely on

Proposed Route Segments
- Route 1
- Route 2
- Alternate Route Segments
- Routes 1 & 2
- Crossover Segments
- Project Endpoint
- Potential Cass Lake Substation Expansion
- Potential New Substation

Existing Transmission Lines
- 69 kV
- 115 kV
- 230 kV

NWI Wetlands
- Emergent Wetland
- Forested/Shrub Wetland
- MN DNR PWI Basins
- MN DNR PWI Streams

- County Boundaries
- Leech Lake Reservation
- Water Access

Figure 6 - Surface Waters / Wetlands
230 kV Bemidji to Grand Rapids
Transmission Line Project
Minnkota Power Cooperative,
Otter Tail Power Company & Minnesota Power

Map Document: (N:\GIS\Proj\Otertail\48496\map_docs\mxd\MN route app\Report\Revised\Fig_06_Surface_Water_11x17_052108.mxd)
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Wilton
Wilton Substation
Bemidji
Tenstrike
Turtle River
CHIPPEWA
NATIONAL
Squaw Lake
LEECH LAKE INDIAN RESERVATION
HIPPEWA
BOWSTRING STATE FOREST
NATIONAL
BELTRAMI COUNTY
LEECH LAKE
INDIAN RESERVATION
LEECH LAKE INDIAN RES
ITASCA COUNTY
WINNIBIGOSHISH
Cass Lake
Bena
Deer River
Zemple
HUBBARD COUNTY
Alternate A
Alternate B
Alternate C
CASS COUNTY
Federal Dam
Laporte
Boy River
CHIPPEWA NATIONAL FOREST
SCHOOLCRAFT STATE PARK
Boswell Substation
Cohasset
46
38
2
71
371
0 2.5 5 10
Miles
N

Bemidji-Grand Rapids 230-kV line
CapX2020
Delivering electricity you can rely on

Proposed Route Segments
- Route 1
- Route 2
- Alternate Route Segments
- Routes 1 & 2
- Crossover Segments

- Project Endpoint
- Potential Cass Lake Substation Expansion
- Potential New Substation
- Sensitive Resources

Existing Transmission Lines
- 69 kV
- 115 kV
- 230 kV

- County Boundaries
- Leech Lake Reservation

Source: MN DNR - License No. LA-488, Chippewa Nat. Forest, and MN SHPO

Figure 7 - Sensitive Resources
230 kV Bemidji to Grand Rapids Transmission Line Project
Minnkota Power Cooperative, Otter Tail Power Company & Minnesota Power

Map Document: (N:\GIS\Proj\Otertail\48496\map_docs\mxd\MN route app\Report\Revised\Fig_07_sensitive_resources_11x17_052108.mxd)
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