

Upper Midwest High Voltage Transmission Projects 1967-2007

The last significant additions made to the high voltage transmission system in Minnesota and the surrounding areas were about 25 years ago.

The following is a list of major transmission line construction projects from the last 40 years. This list does not include short sections of transmission line or some conversions from single circuit to double circuit.

1967	King power plant, Oak Park Heights, MN to Eau Claire, WI, 103 miles (345-kV AC)
1967-1973	Minneapolis Metro Loop and initial outlets King, Sherburne County Units I&II, Monticello and Prairie Island Units I&II (345-kV AC)
1967-1979	Taconite Development, NE MN, 420 miles (230-kV AC)
1968	Maple River, ND to Wahpeton, ND, 55 miles (230-kV AC)
1970	Maple River, ND to Winger, MN, 61 miles (230-kV AC)
1970	Grand Forks, ND to Winger, MN, 59 miles (230-kV AC)
1970	Grand Forks, ND to the Canadian Border (Manitoba Hydro), 79 miles (230-kV AC)
1970	Center, ND to Maple River, ND, 211 miles (230-kV AC)
1974	Big Stone Unit I - Outlets (Commercial 1975) To Hankinson, ND, 70 miles (230-kV AC) To Gary, SD, 33 miles (230-kV AC)
1975	Stanton, ND to Ft. Thompson, SD, 244 miles (345-kV AC) Stanton, ND to Watertown, SD, 283 miles (345-kV AC)
1977	Square Butte, Center, ND to Duluth, MN, 465 miles (250-kV DC)

1978	CU Line, Underwood, ND to Delano, MN, 430 miles (400-kV DC)
1979	Winger, MN to Wilton, MN, 53 miles (230-kV AC)
1979	Canadian Border (Ridgeway) to Moranville, MN, 116 miles (230-kV AC)
1979	Dorsey, Manitoba to Chisago, MN, 680 Miles (500-kV AC)
1979	Center, ND to Maple River, ND (The 211 mile Center – Maple River line was energized in 1970. A voltage conversion to 345-kV that involved no new line construction was completed in 1979)
1981	Beulah, ND to Center, ND, 35 miles (345-kV AC)
1983	Harvey, ND to Underwood, ND, 72 miles (230-kV AC)
1984	Beulah, ND to Huron, SD, 299 miles (345-kV AC)
1993	Dorsey, Manitoba to Chisago, MN, upgrade (The Dorsey-Chisago line was energized in 1979 with a capacity of 800 MW. In 1993 the power transfer capacity of the line was increased to 1,400 MW with the addition of series compensation. This increase in capacity did not involve new transmission line construction.)
2002	Harvey, ND to Glenborough, Manitoba, 97 miles (230-kV AC)
2007	Duluth, MN to Weston, WI, 220 miles (345-kV AC)
2007-2008	Lakefield Junction, MN to Split Rock, SD, 88 miles (345-kV AC)