

TRANSMISSION TOWERS

The Lake Superior Link project is an approximately 400 kilometre, double-circuit 230 kilovolt (kV) transmission line, with the exception of a quadruple-circuit transmission line within the existing corridor in Pukaskwa National Park.

The line will consist of steel lattice transmission structures, insulators, conductors, overhead shield wires (OHSW), optic fibre ground wire (OPGW) and grounding.

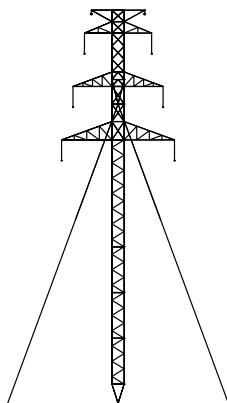
There are three main structure types being constructed to hold the 230 kV conductors:

1. GUYED tower with a double-circuit
2. Self-supporting double-circuit tower
3. GUYED tower with a quadruple-circuit (planned for Pukaskwa National Park)

It is expected that approximately 1,100 new structures will be built as a part of the Lake Superior Link construction. The final number of structures will be determined based on technical, environmental and socio-economic factors along the project route.

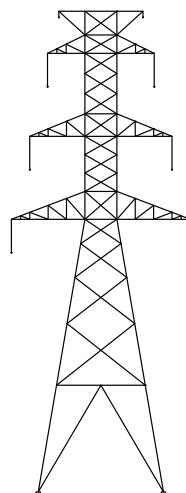


**GUYED TOWER
DOUBLE CIRCUIT**



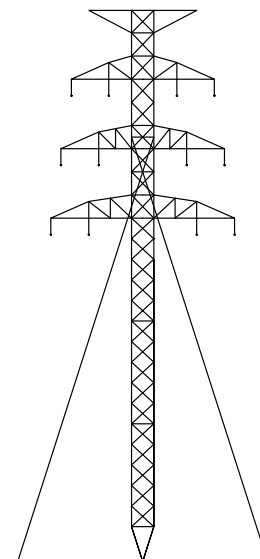
**35.5 – 51.5m HIGH
230 kV**

**SELF SUPPORTING STRUCTURE
DOUBLE CIRCUIT**



**33 – 61.5m HIGH
230 kV**

**GUYED TOWER
QUADRUPLE CIRCUIT**



**45.5 – 63.5m HIGH
230 kV**