

Two types of substations on the Wataynikaneyap Power Project



May 2023

The Wataynikaneyap Power Project includes 22 substations

6 Switching Stations

A switching station is a substation without transformers. They do not change the voltage level. They are usually placed where three transmission lines come together at a single point.

The map on reverse shows where both types of stations are located across the Project.

16 Transformer Stations

Transformer stations receive the high voltage power from the transmission line and transform (or lower) it to a level which is safe for distribution throughout your community. Most of the transformer stations on the Project convert 115 kV to 44/25 kV. The Pickle Lake Substation converts from 230 kV to 115 kV.

Most of the First Nations being connected to the provincial power grid have their own transformer station. Kitchenuhmaykoosib Inninuwug and Wapekeka First Nation share a transformer station called KI-Wapekeka Substation.

Transformer stations also have switching equipment for the 115 or 44 kV lines that continue on.

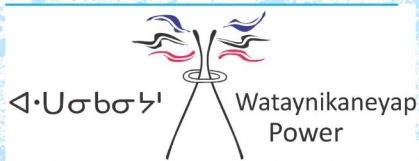
Substation is the general word for both switching stations and transformer stations

Dinorwic Substation (Switching Station)



Kingfisher Lake Substation (Transformer Station)

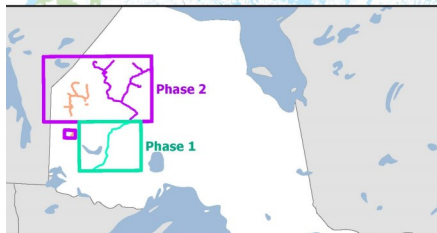
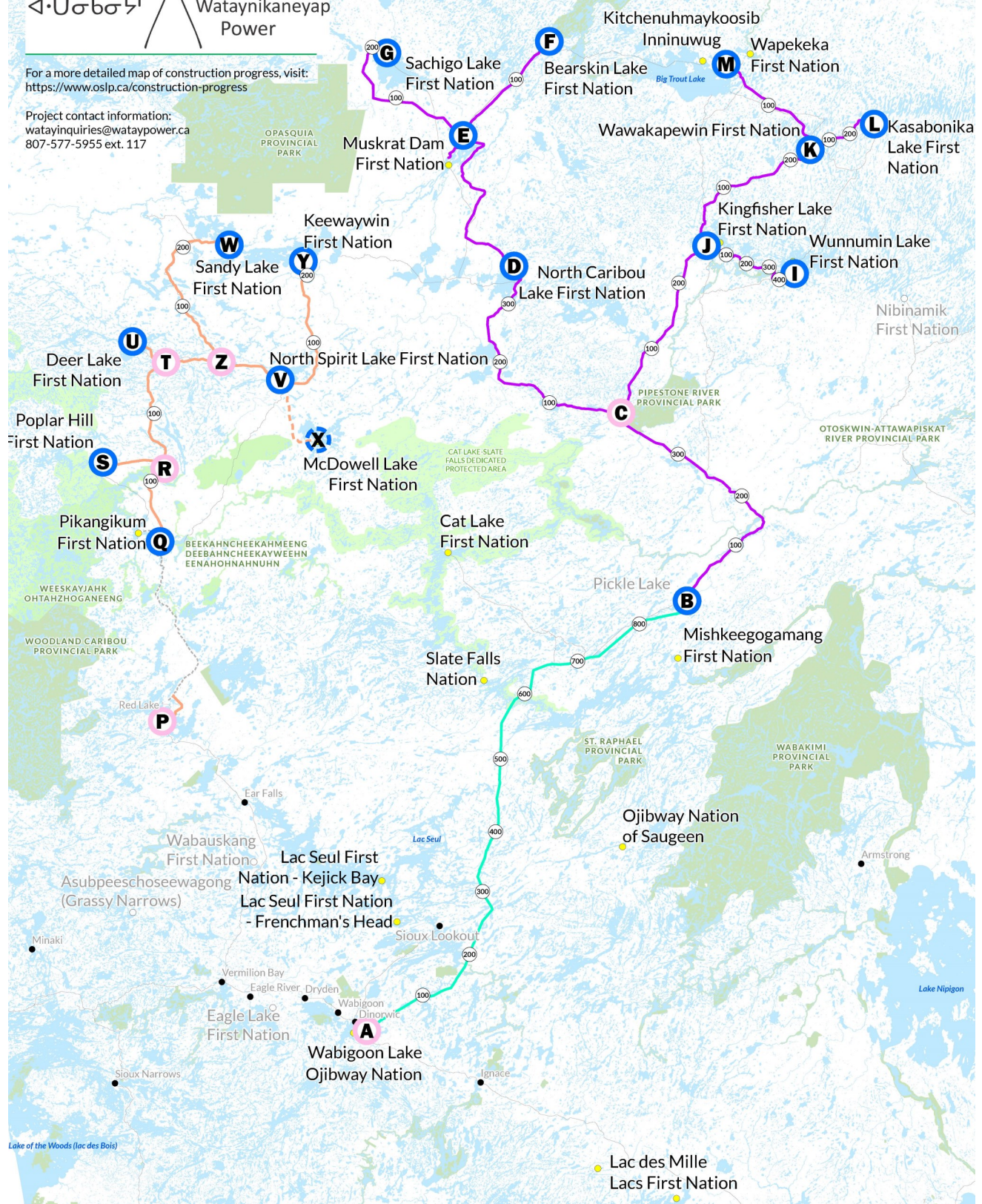
Transformers are circled. Switching Stations, like Dinorwic shown above, will not have transformers.



For a more detailed map of construction progress, visit:
<https://www.oslp.ca/construction-progress>

Project contact information:
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WATAYNIKANEYAP POWER Transmission Line



- Switching Station
- Transformer Station

Wataynikaneyap Power will pursue options to connect McDowell Lake First Nation at a future date, which will include a 17th transformer station



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16 Δ^{υδ}ΥΔ· Δ^{υδ}Δ·βΓδς³

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$\Delta^{\text{UD}} \text{UD} \triangleleft \text{Pb} \setminus$ $\text{P} \sigma \text{b} \cdot \sigma \triangleright \triangleleft \cdot \omega \triangleright$. $\triangleleft \nabla \cdot \triangleleft \text{"} \Delta \text{b} \triangleright$ $\Delta^{\text{UD}} \text{UD} \triangleleft \cdot \text{b} \nabla \text{d} \omega \triangleright$, $\triangleright \text{b} \triangleright$ $\cap \text{a} \cdot \text{z} \cdot \Delta \setminus$ $\text{a} \text{b} \cdot \text{z}$
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