




# Wataynikaneyap Power Transmission System Operations & Maintenance Activities






February 2024

Wataynikaneyap is moving into the operations and maintenance phase for areas of the Wataynikaneyap Power Transmission System that are already in service. Through a competitive process, Wataynikaneyap selected PowerTel, a subsidiary of Cormorant Utility Services, to carry out specialized inspection, maintenance, and emergency response (IMER) activities on the project until 2026. This strategy will allow Wataynikaneyap to transition from construction to operations while developing internal processes, systems, and staffing that will maximize the ability of Wataynikaneyap resources to operate the transmission system in the future. PowerTel will be managing activities like:

<p>Planned inspections of transmission line and substations</p> 	<p>Substation equipment testing and maintenance</p> 	<p>Response to power outages and other emergencies on the transmission line</p> 
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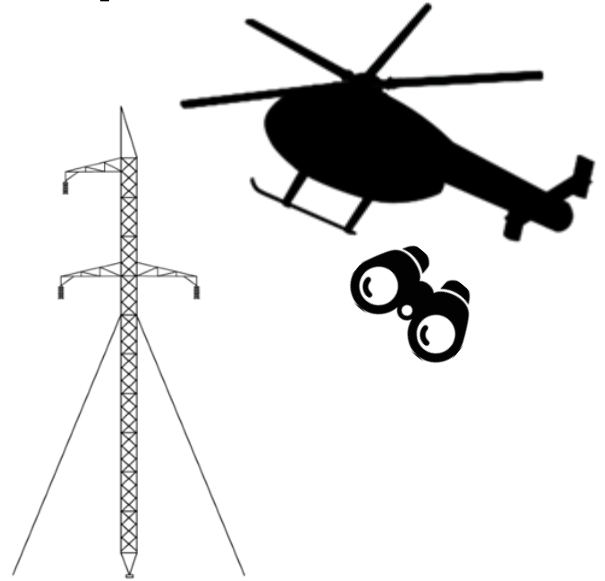
PowerTel will carry out IMER activities in a manner that supports First Nations ownership and control of the transmission system, and the Guiding Principles. The IMER Service Agreement with PowerTel contains requirements for First Nation participation, employment, and capacity-building to support the safe and reliable operation of the Wataynikaneyap Power Transmission System, including:

<p>A least <b>25%</b> of PowerTel's total work hours on Wataynikaneyap Power IMER activities will be performed by Participating First Nation members. PowerTel also has requirements around giving preference to Participating First Nation businesses for any tasks that they outsource.</p>	<p>PowerTel will support Participating First Nation members in substation electrician and powerline technician apprenticeships</p>		
<table border="1"><tr><td data-bbox="82 1625 618 2028"><p><b>Business Directory</b></p><p>For information on how to register your Participating First Nation business or joint venture, contact:</p></td><td data-bbox="634 1625 1053 2028"><p><b>Labour Pool Database</b></p><p>Add yourself to the Labour Pool Database at: <a href="http://www.oslp.ca/labour-pool">www.oslp.ca/labour-pool</a></p><p>Opiikapawiin Services 807-474-3300 contact@oslp.ca</p></td></tr></table>	<p><b>Business Directory</b></p> <p>For information on how to register your Participating First Nation business or joint venture, contact:</p> 	<p><b>Labour Pool Database</b></p> <p>Add yourself to the Labour Pool Database at: <a href="http://www.oslp.ca/labour-pool">www.oslp.ca/labour-pool</a></p> <p>Opiikapawiin Services 807-474-3300 contact@oslp.ca</p>	<p>Interested in apprenticeship opportunities?</p> <p>Contact: 807-577-5955 ext. 117 HR@wataypower.ca</p>
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# Regular Inspection & Maintenance of the Wataynikaneyap Power Transmission System

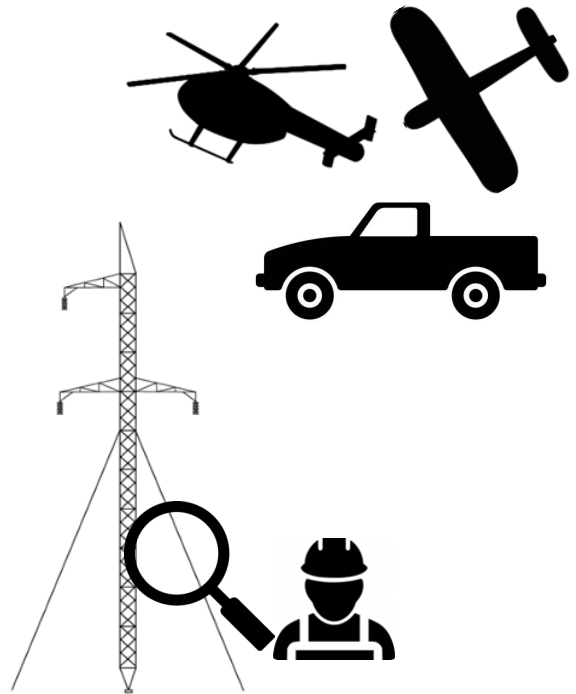
## Transmission Lines – Aerial Inspections

- How often?** Once a year
- How?** Inspections will be done from a helicopter
- Why?** Inspectors are looking for any signs of major damage or high-priority repairs that could be seen from the helicopter. They also look for any trees that could grow into the wires or fall onto and damage towers to decide if any vegetation management work is needed before the next planned cycle for each area.
- Equipment & Materials** If repairs are needed, they will return to the location using ground access to bring in equipment and materials. The timing of the repair will depend on its severity.



## Transmission Lines – Ground Inspections

- How often?** Every 5-10 years
- How?** Depending on the section of the line, inspectors may travel through the community airport and/or road networks; along the Right of Way by off-road vehicle; along access trails; and/or by helicopter.
- Why?** Inspectors look for signs of physical damage, like broken, missing or loose parts, and record the overall condition of major components in more detail than they do during aerial inspections.
- Equipment & Materials** Inspection crews will travel with spare hardware (nuts, bolts, cotter pins, guy guards, etc.), so they can complete minor repairs as needed during the inspections. If larger materials or equipment are needed, work may be scheduled during the winter for access, or additional temporary access trails might be needed.



## Substations— Visual Inspections and Minor Site Maintenance

**How often?** About 4 times a year

**How?** Most of the time, inspectors will travel by helicopter right to the substation; otherwise travel through the community airport and/or road networks will be needed to access the substation.

Usually, it will take one day to inspect a substation and complete minor site maintenance.

**Why?** Inspectors will look at the equipment's condition, record information on asset operation from gauges and counters, perform basic electrical tests, troubleshoot alarms, and perform minor maintenance that can be done without equipment outages.

Inspect overall site condition, including fencing, stone covering and vegetation in and around the substation. Any issues are then prioritized for follow-up.

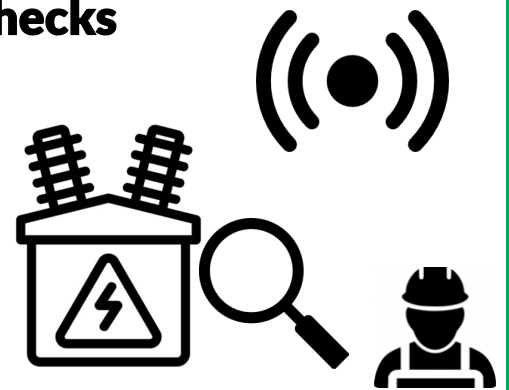


## Substations— Operational Checks

**How often?** Once a year (Occurs during one of the site maintenance and visual inspection visits)

**How?** Most of the time, inspectors will travel by helicopter right to the substation; otherwise travel through the community airport and/or road networks will be needed to access the substation.

**Why?** Inspectors make sure certain equipment with moving parts are working correctly. They will also test fire alarms and other alarm systems.



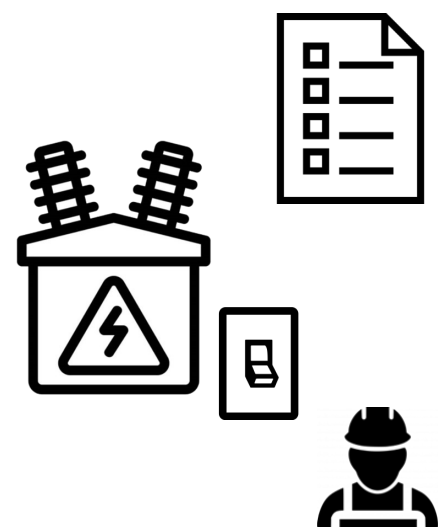
## Substations— Detailed Testing and Maintenance

**How often?** Every 5-10 years

**How?** Most of the time, inspectors will travel by helicopter right to the substation; otherwise travel through the community airport and/or road networks will be needed to access the substation.

**Why?** Larger substation equipment is removed from service (usually one piece of equipment at a time to avoid power outages). Detailed electrical and mechanical testing is performed on each piece of equipment while it is out of service to determine if any parts need to be replaced and to ensure that equipment performance continues to meet specifications.

**Outages** Occasionally, planned power outages may be required during maintenance or repair to ensure worker safety and avoid equipment damage. Affected communities will be notified in advance of these planned power outages.



## Notices of Work in your Area

Wataynikaneyap provides First Nation leadership with an advanced notice and a reminder notice by email, with what work will be done in your area. Details will include how many crew members will be there and if work will be done by ground crew or by helicopter. Wataynikaneyap is working with all First Nations to identify important cultural/traditional activities and dates that should be avoided for inspection and maintenance activities.

## Emergency Response

If an emergency response is required, it must be organized immediately. Wataynikaneyap personnel are on-call 24/7 for power outages and emergencies and will work with PowerTel and others as needed to coordinate the response to any emergency situation. Wataynikaneyap will also contact the emergency contacts identified by each First Nation. If your community has not yet provided a contact, please do so ASAP.

Do you have equipment or other resources that could assist with emergency response within your community? Contact Opiikapawiin Services to add yourself to the Business Directory (contact information on the first page).

If you see a problem on the Wataynikaneyap Power transmission line, Right of Way, or at any of the system's 22 substations, immediately call us at 1-807-577-5955 and press 9.



## Wataynikaneyap selected PowerTel to carry out IMER activities on the project

PowerTel Utilities Contractors Limited have already worked on the Wataynikaneyap Power Transmission System to build, operate, and



maintain the Pikangikum line, completed in December 2018. PowerTel is a subsidiary of Cormorant Utility Services.

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