

April 23, 2024

**RESS, EMAIL & COURIER**

Ontario Energy Board  
P.O. Box 2319  
27th Floor, 2300 Yonge Street  
Toronto, ON M4P 1E4

Attention: Nancy Marconi, Registrar

Dear Ms. Marconi:

**Re: Wataynikaneyap Power LP – 2023 Performance Report (EB-2023-0168)**

In the Ontario Energy Board's Decision and Order in the above-referenced proceeding, dated November 30, 2023, it approved a Settlement Proposal under which Wataynikaneyap Power LP (WPLP) agreed to report on certain interim performance metrics for portions of its transmission system that have gone into service while construction continues on the remainder of its system. This was consistent with the manner in which WPLP reported, on May 12, 2023, regarding performance of 2022 in-service assets pursuant to the approved Settlement Proposal in EB-2021-0134. Therefore, in response to the commitment in EB-2-23-0168, WPLP is pleased to provide its *2023 Performance Report* for the Wataynikaneyap Transmission Project. Please note that copies have been filed on RESS and provided to all parties to the approved Settlement Proposal in EB-2023-0168.

Yours truly,



Jonathan Myers

Enclosure

cc: Ms. Margaret Kenequanash, WPLP  
Mr. Duane Fecteau, WPLP  
Mr. Charles Keizer, Torys LLP

## ONTARIO ENERGY BOARD

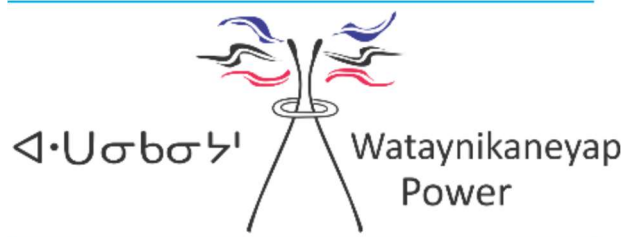
**IN THE MATTER OF** the *Ontario Energy Board Act, 1998*,  
C.S.O. 1998, c.15 (Sched. B);

**AND IN THE MATTER OF** an Application by Wataynikaneyap  
Power GP Inc. on behalf of Wataynikaneyap Power LP  
("WPLP"), for an Order or Orders made pursuant to section  
78 of the Act, approving or fixing just and reasonable rates for  
the transmission of electricity.

## WATAYNIKANEYAP POWER LP

### 2023 Performance Report

April 23, 2024



## 1. Introduction

On August 13, 2020, the OEB issued a Decision and Order approving WPLP's request for temporary exemptions from many of the OEB's Electricity Reporting and Record Keeping Requirements (RRR), on the basis that such requirements were either not applicable, or would provide limited value to the OEB, for the period during which WPLP's transmission system is under construction.<sup>1</sup> The OEB subsequently extended the WPLP's temporary RRR exemptions by one-year, such that the majority of WPLP's RRR reporting will commence in 2026, for the 2025 reporting period.<sup>2</sup>

In WPLP's inaugural rate application (EB-2021-0134), parties to the OEB-approved Settlement Proposal<sup>3</sup> agreed that WPLP would report on several interim performance metrics, as follows:

*"in respect of the Line to Pickle Lake and the portions of the Remote Connection Lines that will be placed into service in 2022, WPLP will monitor performance on the basis of the following reliability metrics without establishing performance targets and report to the OEB on such performance, based on data as at Year End 2022, to be provided in approximately April 2023 consistent with the timing of (but not pursuant to) the OEB's RRR reporting requirements:*

- *Total Recordable Injuries Frequency Rate ("TRIFR") - # of recordable injuries per 200,000 hours worked, using Canadian Electricity Association definition of "recordable injuries";*
- *Recordable Injuries - (# of recordable injuries per year, using Canadian Electricity Association definition of "recordable injuries");*
- *Violations of NERC FAC-003-4 Vegetation Compliance Standard (in respect of the Line to Pickle Lake portion of the transmission system only);*
- *OM&A cost per kilometre of line and OM&A cost per station;*
- *Average system availability;*
- *Transmission System Average Interruption Duration Index (T-SAIDI); and*
- *Transmission System Average Interruption Frequency Index (T-SAIFI).*

In its most recent rate application (EB-2023-0168), WPLP proposed to continue to monitor performance on the basis of the above reliability metrics without establishing performance targets and to report to the OEB on such performance, based on data as at Year End 2023 and as at Year End 2024, in approximately April 2024 and April 2025, respectively, consistent with the timing of (but not pursuant to) the OEB's RRR reporting requirements.<sup>4</sup>

Accordingly, this 2023 Performance Report addresses the metrics listed above, organized by category:

Section 2 - Safety Performance

Section 3 - NERC FAC-003-4 Compliance

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<sup>1</sup> EB-2020-0142 & EB-2020-0143, Decision and Order.

<sup>2</sup> EB-2022-0330, Decision and Order dated April 6, 2023.

<sup>3</sup> EB-2021-0134, Decision and Order dated September 30, 2021, Schedule A, p. 13 of 59.

<sup>4</sup> EB-2023-0168, Exhibit D-1-1, p.2 of 6.

Section 4 - OM&A Unit Cost Summary

Section 5 - Transmission System Reliability

## 2. Safety Performance

The Settlement Agreements from EB-2021-0134 and EB-2023-0168 included the following safety-related performance metrics:

- Recordable Injuries, calculated as the number of recordable injuries per year, using the Canadian Electricity Association definition of “recordable injuries”
- Total Recordable Injuries Frequency Rate (TRIFR), calculated as the number of recordable injuries per 200,000 hours worked using the Canadian Electricity Association definition of “recordable injuries”

The Canadian Electricity Association definition of “recordable injuries” is any occupational injury/illness that results in an employee experiencing:

- a) Fatality;
- b) Lost-time injury;
- c) Medical treatment injury;
- d) Restricted work;
- e) Other injury/illness (not captured above), which has:
  - (i) Significant occupational injury/illness; or
  - (ii) Loss of consciousness

The table below provides these metrics in relation to WPLP’s operation of the Line to Pickle Lake and those portions of the Remote Connection Lines that were in service in 2023.

Metric	2023 Result
Recordable Injuries	0
TRIFR	0

### 3. NERC FAC-003-4 Compliance

The Settlement Agreements from EB-2021-0134 and EB-2023-0168 required WPLP to report on:

- *Violations of NERC FAC-003-4 Vegetation Compliance Standard (in respect of the Line to Pickle Lake portion of the transmission system only)*

The NERC FAC-003-4 Vegetation Compliance Standard applies to vegetation management on certain categories of transmission line rights of way to minimize encroachment from vegetation and prevent vegetation-related outages that could lead to cascading failure.

For the purpose of this reporting requirement, WPLP considers a “violation of NERC FAC-003-4” to be a situation where an encroachment of vegetation in proximity to the Line to Pickle Lake results in an outage reporting requirement, pursuant to IESO reporting requirements under the Ontario Reliability Compliance Program.

WPLP confirms that there were no violations of the NERC FAC-003-4 standard in respect of the Line to Pickle Lake portion of its transmission system because WPLP did not experience any vegetation-related outages in 2023, nor did it observe any vegetation encroachments during any inspections of the Line to Pickle Lake.

## 4. OM&A Unit Cost Summary

The Settlement Agreements from EB-2021-0134 and EB-2023-0168 required WPLP to report on:

- OM&A cost per kilometer of line and OM&A cost per station.

The calculation of these cost metrics is provided in the table below, based on assets in-service at year-end 2023. WPLP notes that its OM&A costs currently reflect a combination of direct O&M costs, plus a portion of overhead costs that are currently allocated between capital and OM&A costs.<sup>5</sup> Due to the timing and frequency of significant additions to in-service assets during the construction period, the cost allocation method applied during the construction period, and the lag between assets being placed in service and ramping up various O&M programs related to those assets, the OM&A unit costs listed below should not be considered indicative of WPLP's expected long-term cost performance.

	<b>2023</b>
Total OM&A (Audited)	\$14,534,441
Km of Transmission Line	1340.2
# of Substations	14
OM&A Cost per kilometre of line	\$10,845
OM&A Cost per station	\$1,038,174

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<sup>5</sup> Please refer to Exhibit F of WPLP's various transmission rate applications for additional discussion of WPLP's OM&A costs.

## 5. Transmission System Reliability

The Settlement Agreements from EB-2021-0134 and EB-2023-0168 included the following transmission system reliability metrics:

- Transmission System Average Interruption Duration Index (T-SAIDI), calculated as the average duration of sustained interruptions per transmission delivery point.
- Transmission System Average Interruption Frequency Index (T-SAIFI), calculated as the average number of sustained interruptions per transmission delivery point.
- Average System Availability, calculated as the percentage of time that supply is available to the average transmission delivery point.

WPLP's 2023 performance for these three reliability metrics is summarized in the table below.

The largest driver of outage duration in 2023 was planned outages related to construction, including completion of Pikangikum voltage conversion and correction of punch list items. Six planned outages, with an average duration of 6.5 hours, contributed to 69% of WPLP's total SAIDI result for 2023.

The largest driver of outage frequency in 2023 was lightning, where 10 outages contributed to 46% of WPLP's total SAIFI result for 2023. These lightning-caused outages were restored relatively quickly from the control room, minimizing SAIDI impacts.

All Causes:	
T-SAIFI	7.89
T-SAIDI (minutes)	1469.7
Average System Availability	99.7204%
Excluding Loss-of-Supply:	
T-SAIFI	6.07
T-SAIDI (minutes)	1091.3
Average System Availability	99.7924%
Excluding Loss-of-Supply and Planned Outages:	
T-SAIFI	3.94
T-SAIDI (minutes)	84.1
Average System Availability	99.9840%