

NOVA SCOTIA ENERGY BOARD

IN THE MATTER OF: THE PUBLIC UTILITIES ACT

- and -

**IN THE MATTER OF: AN APPLICATION by NOVA SCOTIA POWER INCORPORATED for
Subsequent Approval of a Partially Confidential Capital Item: CI
C0071528 – FLISR Implementation**

SECOND SET - NON-CONFIDENTIAL INFORMATION REQUESTS

To: **Lana Myatt**
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By e-mail: Lana.Myatt@nspower.ca

From: **Nova Scotia Energy Board**
Board Staff

Responses Due: Monday, November 24, 2025

Copies: 1 electronic copy (PDF searchable)

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Issued at Halifax, Nova Scotia, this 31st day of October 2025.



for Crystal Henwood, Clerk of the Board

Request IR-10:

In Matter M12185, the Board established the following targets for CKAIFI and CKAIDI for the year 2024:

- Circuit Average Interruption Frequency Index (CKAIFI) ≤ 5.03
- Circuit Average Interruption Duration Index (CKAIDI) ≤ 19.00

Additionally, on PDF page 11 of the decision in Matter M12185, the Board included annual listings of problem circuits.

In response to IR-3, NS Power provided the CKAIDI and CKAIFI metrics for the feeders selected in this project, covering the period from 2020 to year-to-date 2025. If only the 2024 CKAIDI and CKAIFI targets are considered, all selected feeders meet the 2024 targets except for the CKAIFI of feeder 137H-414. However, for analysis purposes only, if the maximum values from the past five years (year-to-date) are considered, the following feeders do not meet the 2024 targets: feeder 11S-411 (both CKAIFI and CKAIDI), feeder 137H-414 (CKAIFI), and feeder 85S-401 (both CKAIFI and CKAIDI).

- Please explain why feeders with no history of issues and performance well below the CKAIFI and CKAIDI targets were selected for the FLISR upgrades.
- Please explain why the circuits identified as problem circuits in Matter M12185 were not selected.

Request IR-11:

In response to IR-3(a), NS Power stated that the relative improvements in CKAIFI and CKAIDI will vary depending on the feeder configuration, other ongoing reliability investments, weather conditions, and the type of FLISR solution applied in each case.

In response to IR-1, Starting in 2020, NS Power provided a list all activities along with their investment dollar values that were undertaken to improve the reliability of each feeder. For example, the utility has spent approximately \$3.7 million on feeder 11S-411 from 2020 through 2025 to improve reliability.

In response to IR-1, NS Power provided outage causes categorized by Customer Hours of Interruption (CHI), including defective equipment and tree contacts. These causes, which remain under the utility's control, still constitute a significant portion of the total CHI hours.

Attachment 1, which was provided to highlight the benefits of FLISR technology in other jurisdictions, did not specify the extent of control other utilities had over the outage causes prior to the implementation of FLISR.

1 a) Please explain how the Board can have confidence that this investment will deliver value
2 if the other outage causes under the utility's control remain unresolved or unmanaged.

3 b) Please provide outage causes categorized by CHI for each year since 2020, for any other
4 jurisdiction noted in the Attachment 1.
5

6 **Request IR-12:**

7 Page 6 of Attachment 1 lists the benefits. Among other advantages, under operational efficiency,
8 it notes that FLISR schemes improve cost-effectiveness by reducing manual switching and fault
9 patrols, lowering field technician hours, truck rolls, vehicle maintenance, and GHG emissions.
10 When fault location data is available and outages are minimized, utilities can optimize crew
11 deployment and prioritize restoration efforts more effectively and efficiently.

12 a) Please estimate the five-year benefits following the implementation of this project, in terms
13 of time and cost savings as noted above, for each of the feeders selected in the
14 application.