Reference: "2023 Capital Budget Application," Newfoundland Power Inc., June 29, 2022, Schedule B, p. 13, Table 1 (Distribution Feeder Automation).

Q. Table 1 lists the downline reclosers to be installed in 2023 and the associated deployment scenario.

a) For each of the feeders listed, please indicate the expected improvement in terms of SAIDI and SAIFI by installing downline reclosers.

b) Please provide a comparison of SAIDI and SAIFI indices to Electricity Canada Region 2 average and corporate average reliability statistics.

A. a) It is not possible to quantify the expected improvement in terms of SAIDI and SAIFI by installing downline reclosers.

Newfoundland Power described its strategy for the installation of downline reclosers over a multi-year horizon in report *4.5 Distribution Feeder Automation* filed as part of its *2020 Capital Budget Application*. The locations and scenario for the devices to be installed as part of that plan are evaluated annually for inclusion in the Company's capital budget application.[1]

The deployment of downline reclosers in this manner will provide the Company with more flexibility in operating its distribution system. This includes: (i) reducing the overall number of customers who experience an outage; (ii) timelier restoration of service to customers following extended outages; and (iii) more efficient use of field crews in responding to customer outages. These devices provide an efficiency and reliability benefit to customers during all operating conditions; however, the benefits are most pronounced during significant events.[2]

The description of each deployment scenario included in report *4.5 Distribution Feeder Automation* filed as part of its *2020 Capital Budget Application* provides a general estimation of the customer reliability impact of the operation of downline reclosers in each deployment scenario.

[1] See the *2023 Capital Budget Application*, *Schedule B*, page 13, Table 1 for the feeder list and deployment scenarios for the 17 reclosers proposed as part of the 2023 *Distribution Automation Project*.

[2] "Significant events" refer to events that exceed the design parameters or operational limits of the electrical system.

b) Table 1 provides the SAIDI and SAIFI indices for each of the feeders listed compared to Electricity Canada Region 2.

Table 1
Comparison of Five-Year Average
SAIDI and SAIFI Data[3]

	SAIDI	SAIFI
Electricity Canada Region 2	4.53	1.84
Corporate Average	2.11	1.54
MOL-05	0.97	1.59
GDL-04	1.29	0.67
GDL-05	0.55	0.43
GDL-07	1.25	0.60
GDL-08	0.05	0.03
GDL-09[4]	-	-
GOU-02	0.83	0.82
NCH-02	3.94	1.64
VIC-02	0.87	0.49
SPF-01	1.14	0.92
ISL-01	1.29	1.50
WAL-02	4.64	3.06
WAL-04	2.77	1.99
GFS-07	0.23	0.70
BVS-04	5.13	3.72

[3] Excludes significant events and loss of supply.
[4] Five-year average reliability data is not available for distribution feeder GDL-09.