

1 Q. **Re: NLH Evidence, Section 3, page 3.23, lines 2-17.**

2 Please indicate the expected SAIFI and SAIDI performance for 2014-2018 for a)
3 Labrador City, b) Wabush, c) Happy Valley, d) Labrador Isolated Systems, e) (St.
4 John's, and f) NLH corporate average, providing detailed justifications for all
5 expected improvements.
6
7

8 A. Hydro measures Service Continuity (SAIFI and SAIDI) for its distribution systems and
9 therefore maintains historical data at the substation/distribution system level.
10 However, it does not forecast or set targets at this level. Longer-term (five-year)
11 targets are set at a corporate level and short-term (one-year) targets are set at a
12 system or regional level. The 2015 system level target levels have not yet been
13 established.
14

15 The following tables present the current targets.
16
17

Table 1 – Five-Year Corporate Level Targets

	2014	2015	2016	2017	2018
SAIFI	3.65	3.47	3.29	3.13	2.97
SAIDI	5.90	5.60	5.32	5.06	4.81

Table 2 – 2014 System Level Targets

	SAIFI	SAIDI
Labrador Interconnected	4.66	7.35
Labrador Isolated	7.31	8.22

18 The St. John's area distribution is supplied by Newfoundland Power, therefore
19 Hydro is not able to provide projections for this area.

1 In order to maintain and improve system reliability, Hydro carries out various
2 capital projects on an annual basis focused on equipment replacement, upgrades,
3 and load growth initiatives. Hydro continues to upgrade distribution systems
4 through pole, voltage regulator, recloser, and transformer replacement work as
5 condition assessments warrant. Specific work that has been planned for the
6 Labrador Isolated and Interconnected Systems is listed below.

- 7
- 8 • Replace poles (4) and insulators (450) on Lines 1 and 2 in the Charlottetown
9 distribution system (2014);
- 10 • Replace 60 poles, reinsulate 70 structures, and replace 12 km of conductor on
11 Line 1 in the St. Lewis distribution system (2014 - 2015);
- 12 • Replace 80 poles, 7.5 km of conductor, and 25 pole mounted transformers on
13 Line 7 in the community of Northwest River (2014 - 2015);
- 14 • Replace 20 poles on Line 1 in the Nain distribution system (2014 – 2015);
- 15 • [] Replace poles in the Labrador City and Charlottetown distribution systems
16 (2015);
- 17 • Replace 20 poles and 40 pole mounted transformers in the Black Tickle
18 distribution system (2016 - 2017);
- 19 • Replace 50 poles and 10 km of copper primary conductor on Line 16 in the
20 Happy Valley distribution system (2016 - 2017);
- 21 • Install a larger 16.7 MVA power transformer in the Wabush substation to
22 accommodate load growth (2016);
- 23 • Install a new distribution Line L2 in the Nain distribution system to split the
24 system load with Line 1 (2016); and
- 25 • Complete the voltage conversion upgrade project in the Labrador City
26 distribution system (2015).