

1 Q. **Re: Exhibit 7, page 5 of 168**

2 Please provide a copy of the table indicating performance results for each KPI for
3 the Labrador Interconnected System.

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6 A. The table referenced in this question (Exhibit 7, page 5 of 168) measures Hydro's
7 KPIs for the entire Company for 2014. Tables 1, 2, and 3 provide 2016, 2015, and
8 2014 performance results for the KPIs for the Labrador Interconnected System,
9 respectively.

10

11 Please note that there are several KPIs for which it is not possible to provide
12 information based only on the Labrador Interconnected System, as follows:

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14 **Weighted Capability Factor and DAFOR:** These KPIs are not applicable to the
15 Labrador Interconnected System as they are generation KPIs. The only Hydro
16 generation asset located on the Labrador Interconnected System is the Happy-
17 Valley gas turbine, which is only used for backup power generation. As such, it is
18 not included in Hydro's generation KPIs.

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20 **Underfrequency Load Shedding:** This KPI is not applicable to the Labrador
21 Interconnected System as there is no underfrequency load shedding scheme in
22 Labrador.

23

24 **End User SAIDI and End User SAIFI:** These KPIs measure the SAIDI and SAIFI for
25 both Newfoundland Power and Hydro customers. As there are no Newfoundland
26 Power customers on the Labrador Interconnected System, End User SAIDI is equal
27 to SAIDI and End User SAIFI is equal to SAIDI.

1 **Hydraulic Conversion Factor (CF):** This KPI is not applicable to the Labrador
2 Interconnected System as Hydro does not own any hydraulic infrastructure on the
3 Labrador Interconnected System.

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5 **Thermal Conversion Factor (CF):** This KPI is not applicable to the Labrador
6 Interconnected System as it measures the conversion factor at the Holyrood
7 Thermal Generating Station, which is a part of the Island Interconnected System.

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9 **Controllable Unit Cost:** This KPI is not measured for each particular system.

Table 1 Key Performance Indicators (Labrador Interconnected System only)

Category	KPI	Units	2016 Target	2016 Results
Reliability ¹	Weighted Capability Factor	%	n/a	n/a
	DAFOR	%	n/a	n/a
	T-SAIDI	Minutes/Point	647	337
	T-SAIFI	Number/Point	5.5	2.3
	T-SARI	Minutes/Outage	117.6	146.5
	SAIDI	Hours/Customer	7.5	5.1
	SAIFI	Number/Customer	11.9	10.7
	End User SAIDI	Hours/Customer	7.5	5.1
	End User SAIFI	Number/Customer	11.9	10.7
	Underfrequency Load Shedding	# of events	n/a	n/a
Operating	Hydraulic Conversion Factor	GWh/MCM	n/a	n/a
	Thermal Conversion Factor	kWh/bbl	n/a	n/a
Financial	Controllable Unit Cost	\$/MWh	n/a	n/a
Other	Customer Satisfaction (Residential)	Max = 100%	80%	88%

¹ Transmission and distribution targets were set based on combined planned and unplanned outages.

Table 2 Key Performance Indicators (Labrador Interconnected System only)

Category	KPI	Units	2015 Target	2015 Results
Reliability ²	Weighted Capability Factor	%	n/a	n/a
	DAFOR	%	n/a	n/a
	T-SAIDI ³	Minutes/Point	1181	1188
	T-SAIFI	Number/Point	5.8	6.00
	T-SARI	Minutes/Outage	203.6	198
	SAIDI	Hours/Customer	12.9	28.8
	SAIFI	Number/Customer	6.0	10.5
	End User SAIDI	Hours/Customer	12.9	28.8
	End User SAIFI	Number/Customer	6.0	10.5
	Underfrequency Load Shedding	# of events	n/a	n/a
Operating	Hydraulic Conversion Factor	GWh/MCM	n/a	n/a
	Thermal Conversion Factor	kWh/bbl	n/a	n/a
Financial	Controllable Unit Cost	\$/MWh	n/a	n/a
Other	Customer Satisfaction (Residential)	Max = 100%	Note 1	Note 1

Note 1: Customer satisfaction surveys are completed every second year. There was no survey in 2015.

² Transmission and distribution targets were set based on combined planned and unplanned outages.

³ T-SAIDI targets and results were higher in 2015 than 2014 and 2016 as it reflects planned outages for the Labrador Voltage conversion project.

Table 3 Key Performance Indicators (Labrador Interconnected System only)

Category	KPI	Units	2014 Target	2014 Results
Reliability ⁴	Weighted Capability Factor	%	n/a	n/a
	DAFOR	%	n/a	n/a
	T-SAIDI	Minutes/Point	139.5	324.0
	T-SAIFI	Number/Point	4.0	7.5
	T-SARI	Minutes/Outage	34.9	43.2
	SAIDI	Hours/Customer	7.4	26.5
	SAIFI	Number/Customer	4.7	9.8
	End User SAIDI	Hours/Customer	7.4	26.5
	End User SAIFI	Number/Customer	4.7	9.8
	Underfrequency Load Shedding	# of events	n/a	n/a
Operating	Hydraulic Conversion Factor	GWh/MCM	n/a	n/a
	Thermal Conversion Factor	kWh/bbl	n/a	n/a
Financial	Controllable Unit Cost	\$/MWh	n/a	n/a
Other	Customer Satisfaction (Residential)	Max = 100%	80%	77%

⁴ Transmission and distribution targets were set based on combined planned and unplanned outages.