

1 Q. **Reference Application Rev. 1, Volume 1, Section A: 2021 Capital Budget**

2 During the cod moratorium of the early 1990s:

- 3 a. Were Hydro's Capital Budget submissions impacted, and if so, did reliability suffer as a
4 result?
- 5 b. Please provide SAIDI and SAIFI data for each year and on a 5-year rolling average basis for
6 1990 through 2000.
- 7 c. Please provide Hydro's capital expenditures for each year from 1990 through 2000.

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10 A.

- 11 a. Newfoundland and Labrador Hydro ("Hydro") did not have its capital budgets approved by
12 the Board of Commissioners of Public Utilities prior to 1995,¹ thus it did not file capital
13 budget submissions in the three years that followed the commencement of the moratorium.
14 Hydro could not find evidence as to whether the Cod Moratorium of the early 1990s
15 impacted its capital budget and, as such, cannot determine if service reliability or
16 transmission point reliability was affected by the moratorium.
- 17 b. Distribution and transmission delivery point reliability data and a five-year rolling average is
18 provided Table 1 and Table 2. The data covers the period of 1993 through 2000, as Hydro's
19 records do not include data before 1993. Please note that, at that time, Hydro only included
20 its distribution customers in System Average Interruption Duration Index ("SAIDI") and
21 System Average Interruption Frequency Index ("SAIFI") data (i.e., what is now called service
22 continuity). End Consumer SAIDI and SAIFI analysis, which includes both Hydro and
23 Newfoundland Power customers, was implemented as a reliability measure after 2000.

¹ Section 21 of the Hydro Corporation Act, RSN 1990 was repealed in 1995 by An Act to Amend the Hydro Corporation Act, The Electrical Power Control Act, 1994 and Other Acts, SNL 1995,c 37.

Table 1: Service Continuity Data

Year	SAIFI	Five-Year Rolling Average	SAIDI	Five Year Rolling Average
1993 ²	3.23	-	5.54	-
1994	8.80	-	15.21	-
1995	6.23	-	18.29	-
1996	5.72	-	11.28	-
1997	6.33	6.06	9.27	11.92
1998	4.00	6.22	6.74	12.16
1999	5.66	5.59	10.38	11.19
2000	8.00	5.94	14.90	10.51

Table 2: Transmission Data³

Year	T-SAIFI	Five-Year Rolling Average	T-SAIDI	Five-Year Rolling Average
1993	2.60	-	128.46	-
1994	1.85	-	147.67	-
1995	2.29	-	770.54	-
1996	4.64	-	111.04	-
1997	2.35	2.74	82.89	248.12
1998	2.34	2.69	156.52	253.73
1999	2.30	2.78	66.75	237.55
2000	2.64	2.85	89.55	101.35

- 1 c. Please refer to Table 3 for Hydro's capital expenditures from 1990 through 2000.⁴

Table 3: Capital Expenditures from 1990–2000 (\$ millions)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Capital Expenditures	75.1	43.1	27.3	23.0	23.8	36.9	28.3	30.2	31.8	36.7	38.6

² The Reliability Database was not set up until 1993 so 1990–1992 data is not available.

³ Transmission Reliability Data only reflects Forced Outage statistics. Planned Outage statistics were not captured in the Reliability Database until 2002.

⁴ The period of 1990–2000 pre-dates Hydro's Enterprise Resource Planning electronic financial records. Information provided was sourced from the 1990–2000 capital expenditures in Hydro's 2001 General Rate Application and from Newfoundland and Labrador Hydro Non-Consolidated Financial statements and are believed to be correct.