Reference slide 19 1 Q. 2 Regarding Electricity Supply Costs: (a) Is the cost figure of \$8,045,129 based on the marginal production cost (i.e., all-in marginal 3 4 cost including generation, transmission and distribution), on the export price or on some 5 other unit cost? 6 (b) Please provide a tabular calculation of the \$8,045,129 figure showing the annual quantity of 7 electricity and corresponding annual electricity supply cost. 8 9 This Request for Information relates to the Electrification, Conservation and Demand 10 Α. 11 Management Plan 2021–2025 ("2021 Plan") developed in partnership by Newfoundland and 12 Labrador Hydro ("Hydro") and Newfoundland Power Inc. ("Newfoundland Power") (collectively, the "Utilities") and the related Technical Conference presented by the Utilities on February 1, 13 14 2022. Accordingly, the response reflects collaboration between the Utilities. 15 (a) The cost figure of \$8,045,129 referenced in this Request for Information is based on the marginal production cost including energy and capacity costs. The marginal cost of energy is 16 equivalent to the forecast export energy price. 17 18 (b) TC-CA-NLH-024, Attachment 1 provides the annual quantity of electricity and peak demand and annual marginal electricity supply costs. The calculation of \$8,045,129 is 19 computed on a net present value basis.1 20 21 TC-CA-NLH-024, Attachment 2 provides the calculation of the electricity supply costs for the 22 Residential Electric Vehicle & Charging Infrastructure Program.

¹ The calculation uses a 6% discount rate.

Residential Electric Vehicle & Charger Infrastructure Program Impacts and Marginal Costs Attachment 1

Cost (\$/kW) 349.56 326.26 333.46 340.90 357.53 364.18 371.67 380.44 390.08 397.87 405.82 413.94 422.21 430.64 **Non-Winter** (\$/kwh) 0.027 0.029 0.026 0.027 0.029 0.029 0.030 0.034 0.039 0.040 0.042 0.043 0.044 0.041 G Marginal (\$/kwh) Energy Cost 0.064 0.056 0.056 0.056 0.066 0.076 0.078 0.079 0.064 0.063 0.069 0.072 0.073 0.075 Marginal Cost n-Peak (\$/kwh) Energy 0.078 0.079 0.070 0.068 0.074 0.079 0.088 0.067 0.077 0.083 0.085 0.087 0.090 0.092 mpact (kW) Demand Peak 97 269 1,019 940 768 467 1,037 1,037 1,037 1,037 1,037 1,037 Non-Winter 130,334 732,353 8,442,770 3,868,722 2,094,098 4,574,048 8,442,770 8,442,770 8,442,770 8,442,770 8,442,770 8,312,436 7,710,417 6,348,672 (kwh) Winter Off-Peak 366,176 1,934,361 1,047,049 4,221,385 4,156,218 3,855,209 3,174,336 65,167 2,287,024 4,221,385 4,221,385 4,221,385 4,221,385 4,221,385 Energy (kwh) 366,176 65,167 3,174,336 1,047,049 2,287,024 4,221,385 4,221,385 4,221,385 4,221,385 4,221,385 4,221,385 4,156,218 3,855,209 1,934,361 Energy (kwh) 4 2028 2029 2023 2024 2026 2030 2033 2034 2021 2022 2025 2027 2032 2031

Attachment 2

Annual Quantity of Electricity, Peak Demand and Supply Costs

Residential Electric Vehicle & Charging Infrastructure Program

Year	Total Energy (kWh) ¹	Peak Demand (kW) ²	Electricity Supply Costs (\$) ³
2021	260,667	18	18,811
2022	1,464,705	97	105,705
2023	4,188,195	269	272,214
2024	9,148,095	570	607,160
2025	16,885,539	1,037	1,132,853
2026	16,885,539	1,037	1,206,448
2027	16,885,539	1,037	1,244,146
2028	16,885,539	1,037	1,306,853
2029	16,885,539	1,037	1,392,034
2030	16,885,539	1,037	1,419,911
2031	16,624,872	1,019	1,425,015
2032	15,420,834	940	1,364,116
2033	12,697,344	768	1,127,953
2034	7,737,444	467	700,714

¹ This column represents the sum of columns A, B and C in Attachment 1. Differences in the Total Energy column in Attachment 2 are due to rounding.

² Column D from Attachment 1.

 $^{^3}$ This column represents (A x E) + (B x F) + (C x G) + (D x H) from Attachment 1. Differences in the Electricity Supply Costs column in Attachment 2 are due to rounding.