

1 Q. **Reference: Response to Request for Information NP-NLH-063.**

2 Please update the tables in Attachment 1 to include Hydro's latest capital cost estimates as
3 provided in RP-TN-089. In addition, please add Alternative 7 – 2 Community Portable Generation
4 to the table.

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7 A. Please refer to NP-NLH-084, Attachment 1 for an update to Newfoundland and Labrador Hydro's
8 ("Hydro") response to NP-NLH-063 of this proceeding to include Hydro's latest capital cost
9 estimates, including Alternative 7 – Two-Community Portable Generation.

		Revenue Requirement for Alternatives (\$ Million) ¹				
IRP Scenario ²	Description	2030	2035	2040	2045	2050
A	Mobiles with Enclosure	12.0	14.6	16.8	18.5	19.8
B	New Charlottetown Diesel Generating Station	12.7	14.9	17.0	18.6	19.9
C	Full Interconnection (N-1)	13.2	13.1	13.4	13.8	14.0
D	Full Interconnection - Deferred Regional Plant	14.0	13.5	13.9	13.8	14.0
E	Full Interconnection - No Regional Plant	12.8	14.6	16.1	17.2	17.8
F1	Phased Interconnection (Midgard F(i))	13.4	13.3	13.9	14.3	15.6
F2	Phased Interconnection (Midgard F(ii))	13.2	13.7	14.2	14.6	15.6
F3	Phased Interconnection (Midgard F(iii))	13.6	13.3	14.1	14.4	14.7
G	Full Interconnection - Hydro Plant (Assumes 2028 Start)	11.9	20.8	20.1	19.4	18.7
H	Interconnection with Labrador Interconnected System (Assumes 2028 Start)	11.9	36.7	34.0	31.3	28.5

Updated Based on Latest Capital Cost Estimates

B	New Charlottetown Diesel Generating Station	17.7	22.2	22.5	27.9	27.0
C	Full Interconnection (N-1)	15.4	15.1	15.2	15.4	15.5
E	Full Interconnection - No Regional Plant	16.0	24.1	23.7	28.3	26.9
	Community Portable Generation	18.0	18.2	18.0	17.9	17.2

Recovery of Revenue Requirement (\$ Million)

	2030	2035	2040	2045	2050
Scenario A					
Labrador Isolated ³	2.88	3.50	4.03	4.44	4.75
Newfoundland Power ⁴	8.76	10.66	12.27	13.51	14.46
Labrador Interconnected ⁴	0.36	0.43	0.50	0.55	0.59
	12.00	14.60	16.80	18.50	19.80
Scenario B					
Labrador Isolated ³	3.05	3.58	4.08	4.46	4.78
Newfoundland Power ⁴	9.28	10.88	12.42	13.58	14.53
Labrador Interconnected ⁴	0.38	0.44	0.50	0.55	0.59
	12.70	14.90	17.00	18.60	19.90
Scenario C					
Labrador Isolated ³	3.17	3.14	3.22	3.31	3.36
Newfoundland Power ⁴	9.64	9.57	9.79	10.08	10.23
Labrador Interconnected ⁴	0.39	0.39	0.40	0.41	0.41
	13.20	13.10	13.40	13.80	14.00
Scenario D					
Labrador Isolated ³	3.36	3.24	3.34	3.31	3.36
Newfoundland Power ⁴	10.23	9.86	10.15	10.08	10.23
Labrador Interconnected ⁴	0.41	0.40	0.41	0.41	0.41
	14.00	13.50	13.90	13.80	14.00
Scenario E					
Labrador Isolated ³	3.07	3.50	3.86	4.13	4.27
Newfoundland Power ⁴	9.35	10.66	11.76	12.56	13.00
Labrador Interconnected ⁴	0.38	0.43	0.48	0.51	0.53
	12.80	14.60	16.10	17.20	17.80
Scenario F1					
Labrador Isolated ³	3.22	3.19	3.34	3.43	3.74
Newfoundland Power ⁴	9.79	9.71	10.15	10.44	11.39
Labrador Interconnected ⁴	0.40	0.39	0.41	0.42	0.46
	13.40	13.30	13.90	14.30	15.60
Scenario F2					
Labrador Isolated ³	3.17	3.29	3.41	3.50	3.74
Newfoundland Power ⁴	9.64	10.01	10.37	10.66	11.39
Labrador Interconnected ⁴	0.39	0.41	0.42	0.43	0.46
	13.20	13.70	14.20	14.60	15.60
Scenario F3					
Labrador Isolated ³	3.26	3.19	3.38	3.46	3.53
Newfoundland Power ⁴	9.93	9.71	10.30	10.52	10.74
Labrador Interconnected ⁴	0.40	0.39	0.42	0.43	0.44
	13.60	13.30	14.10	14.40	14.70
Scenario G					
Labrador Isolated ³	2.86	4.99	4.82	4.66	4.49
Newfoundland Power ⁴	8.69	15.19	14.68	14.17	13.66
Labrador Interconnected ⁴	0.35	0.62	0.60	0.58	0.55
	11.90	20.80	20.10	19.40	18.70
Scenario H					
Labrador Isolated ³	2.86	8.81	8.16	7.51	6.84
Newfoundland Power ⁴	8.69	26.80	24.83	22.86	20.82
Labrador Interconnected ⁴	0.35	1.09	1.01	0.93	0.84
	11.90	36.70	34.00	31.30	28.50
Updated Based on Latest Capital Costs					
Scenario B					
Labrador Isolated ³	4.25	5.33	5.40	6.70	6.48
Newfoundland Power ⁴	12.93	16.21	16.43	20.38	19.72
Labrador Interconnected ⁴	0.52	0.66	0.67	0.83	0.80
	17.70	22.20	22.50	27.90	27.00
Scenario C⁵					
Labrador Isolated ³	3.70	3.62	3.65	3.70	3.72
Newfoundland Power ⁴	11.25	11.03	11.10	11.25	11.32
Labrador Interconnected ⁴	0.46	0.45	0.45	0.46	0.46
	15.40	15.10	15.20	15.40	15.50
Scenario E					
Labrador Isolated ³	3.84	5.78	5.69	6.79	6.46
Newfoundland Power ⁴	11.69	17.60	17.31	20.67	19.65
Labrador Interconnected ⁴	0.47	0.71	0.70	0.84	0.80
	16.00	24.10	23.70	28.30	26.90
Community Portable Generation					
Labrador Isolated ³	4.32	4.37	4.32	4.30	4.13
Newfoundland Power ⁴	13.15	13.29	13.15	13.07	12.56
Labrador Interconnected ⁴	0.53	0.54	0.53	0.53	0.51
	18.00	18.20	18.00	17.90	17.20

¹ The estimated revenue requirement impact for Scenarios A to H is based on Midgard Consulting Inc.'s ("Midgard") "Southern Labrador Communities - Integrated Resource Plan" ("Midgard IRP"), filed as "Long-Term Supply for Southern Labrador - Phase 1 - Midgard Consulting Inc. Report," Newfoundland and Labrador Hydro, March 31, 2023, at 1.

² Additional information on the Integrated Resource Plan ("IRP") Scenarios A to H is contained in the Midgard IRP, pp. 71-74.

³ Assumes the average revenue-to-cost ratio for customers on the Labrador Isolated System in the 2019 Test Year is 24%, which represents their portion of costs recovered through rates. This portion was not included in the response to NP-NLH-010 of this proceeding.

⁴ Allocated to Newfoundland Power Inc. and Labrador Interconnected customers in the same proportion that the Rural Deficit was allocated in the 2019 Cost of Service Study, which is 96.1% and 3.9%, respectively.

⁵ Revenue requirements based on the updated capital cost estimates provided in RP-TN-089, which includes cost estimates starting in 2023 to compare life cycle costs over all alternatives. The estimated revenue requirement contained in NP-NLH-085 of this proceeding is based on Hydro's project cost of \$87.9 million in 2028 plus Midgard's estimate of life cycle costs thereafter.