

1 Q. **Reference Application**

2 Please provide Hydro's forecast number of customers and energy demand by customer class for
3 2020 and each of the next 5 years in total and by service area. Please identify expected impacts
4 stemming from Covid-19.

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7 A. Please refer to CA-NLH-027, Attachment 1 for data up to and including 2024. Newfoundland and
8 Labrador Hydro ("Hydro") does not have forecast data for 2025 at this time. At this time, Hydro
9 does not foresee any impact on rural sales as a result of the COVID-19 pandemic.

Newfoundland Power Forecast - Purchase Requirements

	2020	2021	2022	2023	2024
Energy (GWh)	5,813.2	5,773.6	5,744.0	5,751.7	5,785.7
Demand (MW)	1,404.6	1,399.8	1,404.4	1,409.8	1,412.3

Notes:

1. Energy reflects customer requirements at bulk delivery points. Newfoundland Power System Energy Forecast, April 2019.
2. Newfoundland Power MW are maximum annual purchased MW. Newfoundland and Labrador Hydro 2018 Planning Load Forecast.

**Totalized Labrador Interconnected Industrial Requirements (Net of 230 kV
 Transmission System Losses)**

	2020	2021	2022	2023	2024
Energy (GWh)	2,074	2,074	2,074	2,074	2,074
Demand (MW)	301	301	301	301	301

Notes:

1. Peak and energy equate to requirements at terminal station delivery points.
2. Peak requirements at terminal station delivery points coincident with region peak.
3. Peaks are winter peaks (December-March).

**Total Island Interconnected Industrial Customer Requirements from
 Newfoundland and Labrador Hydro**

	2020	2021	2022	2023	2024
Energy (GWh)	663.2	691.9	709	709	709
Demand (MW)	92.7	96.7	98.7	98.7	98.7

Notes:

1. Energy reflects customer requirements at bulk delivery points.
2. Demand reflects total 'power on order's' provided by the customers.
3. Peaks are annual peaks.

Island Interconnected System Sales Forecast (MWh)¹

Rate	2020	2021	2022	2023	2024
1.10	104,091	102,938	102,109	101,283	100,463
1.12	141,710	140,141	139,013	137,887	136,772
1.30	345	345	345	345	345
2.10	0	0	0	0	0
2.20	79,786	78,911	75,211	73,120	72,853
2.30	59,564	58,911	56,164	54,611	54,409
2.40	36,799	36,395	34,725	33,778	33,650
Lighting	2,800	2,800	2,800	2,800	2,800
Total Sales	425,096	420,442	410,368	403,824	401,293

Island Interconnected System Customer Forecast (# of Customers)

Rate	2020	2021	2022	2023	2024
1.10	11,320	11,299	11,280	11,264	11,250
1.12	8,535	8,561	8,587	8,610	8,633
1.30	1	1	1	1	1
2.10					
2.20	2,981	2,986	2,991	2,996	3,002
2.30	93	94	95	95	95
2.40	9	9	9	9	9
Total Sales	23,925	23,936	23,949	23,961	23,976

¹ Numbers may not add due to rounding.

Happy Valley-Goose Bay System Sales Forecast (MWh)¹

Rate Class	2020	2021	2022	2023	2024
1.10	1,142	1,122	1,107	1,097	1,086
1.12	138,740	139,604	140,442	141,253	142,689
2.10	3,533	3,550	3,573	3,595	3,617
2.20	34,849	35,015	35,237	35,458	35,679
2.30	52,480	52,480	52,480	52,480	52,480
2.40	108,358	98,508	98,508	98,508	98,508
Lighting	923	923	923	923	923
Total	340,025	331,202	332,268	333,313	334,982

Happy Valley-Goose Bay System Customer Forecast (# of Customers)

Rate Class	2020	2021	2022	2023	2024
1.10	111	109	108	107	106
1.12	4,643	4,695	4,746	4,797	4,843
2.10	226	227	228	230	231
2.20	404	406	409	411	414
2.30	64	64	64	64	64
2.40	6	5	5	5	5
Lighting	241	241	241	241	241
Total	5,695	5,747	5,801	5,855	5,904

Wabush System Sales Forecast (MWh)¹

Rate Class	2020	2021	2022	2023	2024
1.10	535	531	527	524	520
1.12	37,335	37,326	37,316	37,491	37,667
2.1	1,004	1,021	1,039	1,056	1,074
2.2	16,269	16,548	16,826	17,104	17,382
2.3	33,073	33,073	33,073	33,073	33,073
2.4	0	0	0	0	0
Lighting	284	284	293	293	293
Total	88,500	88,782	89,073	89,540	90,008

Wabush System Customer Forecast (# of Customers)

Rate Class	2020	2021	2022	2023	2024
1.10	144	143	142	141	140
1.12	1,055	1,060	1,065	1,070	1,075
2.1	98	100	102	103	105
2.2	134	136	139	141	143
2.3	43	43	43	43	43
2.4	0	0	0	0	0
Lighting	32	32	33	33	33
Total	1,506	1,514	1,524	1,531	1,539

Labrador City System Sales Forecast (MWh)

Rate Class	2020	2021	2022	2023	2024
1.10	560	557	554	550	547
1.12	135,269	134,934	134,600	134,265	134,601
2.1	1,479	1,502	1,525	1,548	1,570
2.2	20,558	20,874	21,190	21,507	21,823
2.3	51,944	52,708	52,708	52,708	53,472
2.4	109,787	109,787	58,869	58,869	58,869
Lighting	587	587	587	587	587
Total	320,184	320,949	270,033	270,034	271,469

Labrador City System Customer Forecast (# of Customers)

Rate Class	2020	2021	2022	2023	2024
1.10	87	87	86	86	85
1.12	3,980	3,990	4,000	4,010	4,020
2.1	124	126	128	130	132
2.2	201	204	207	210	213
2.3	68	69	69	69	70
2.4	3	3	2	2	2
Lighting	104	104	104	104	104
Total	4,567	4,583	4,596	4,611	4,626

¹ Numbers may not add due to rounding.

Labrador Diesel Rural Distribution System Energy Forecast (MWh)¹

Rate Class	2020	2021	2022	2023	2024
D120	22,085	22,304	22,493	22,666	22,841
G120	786	786	786	786	786
D123	1,563	1,563	1,563	1,563	1,563
D210	3,266	3,274	3,290	3,298	3,305
D220	9,341	9,444	9,570	9,595	9,619
G210	625	625	625	625	625
G220	757	757	757	757	757
I220	175	175	175	175	175
I230	2,242	2,242	2,242	2,242	2,242
I240	2,202	2,202	2,202	2,202	2,202
Lighting	364	364	365	366	368
Total Sales	43,407	43,737	44,068	44,275	44,484

Labrador Diesel Rural Distribution Customer Forecast (# of Customers)

Rate Class	2020	2021	2022	2023	2024
D120	2,086	2,098	2,110	2,120	2,132
G120	48	48	48	48	48
D123	51	51	51	51	51
D210	350	351	353	354	355
D220	88	89	90	90	91
G210	44	44	44	44	44
G220	19	19	19	19	19
I220	2	2	2	2	2
I230	6	6	6	6	6
I240	1	1	1	1	1
Lighting	93	93	93	93	93
Total Sales	2,788	2,802	2,817	2,828	2,842

¹. Numbers may not add due to rounding.

L'Anse au Loup Isolated Rural Distribution System Energy Forecast¹

Rate Class	2020	2021	2022	2023	2024
1.10	4,605	4,583	4,566	4,554	4,566
1.12	11,234	11,396	11,516	11,622	11,675
2.10	1,347	1,348	1,351	1,329	1,350
2.20	5,199	5,199	5,269	5,286	5,304
2.30	2,490	2,490	2,490	2,490	2,490
Lighting	137	141	141	141	141
Total Sales	25,012	25,157	25,332	25,423	25,526

L'Anse au Loup Isolated Rural Distribution Customer Forecast (# of Customers)

Rate Class	2020	2021	2022	2023	2024
1.10	409	407	406	405	408
1.12	426	431	435	439	439
2.1	123	123	124	124	124
2.2	74	74	75	75	76
2.3	8	8	8	8	8
Lighting	34	34	34	35	35
Total	1,074	1,077	1,082	1,086	1,090

¹. Numbers may not add due to rounding.

Island Diesel Rural Distribution System Energy Forecast (MWh)¹

Rate Class	2020	2021	2022	2023	2024
D120	4,790	4,781	4,771	4,759	4,750
D123	355	355	355	355	355
D210	473	472	470	468	466
D220	226	226	226	226	226
G210	115	115	115	115	115
G220	439	439	439	439	439
I220	203	203	203	203	203
I230	-	-	-	-	-
Lighting	95	96	97	98	99
Total Sales	6,697	6,688	6,677	6,664	6,655

Island Diesel Rural Distribution Customer Forecast (# of Customers)

Rate Class	2020	2021	2022	2023	2024
D120	672	672	669	668	666
D123	19	19	19	19	19
D210	64	64	64	64	64
D220	6	6	6	6	6
G210	13	13	13	13	13
G220	2	2	2	2	2
I220	1	1	1	1	1
I230	-	-	-	-	-
Lighting	41	41	41	41	41
Total Sales	818	818	815	814	812

¹ Numbers may not add due to rounding.