

1 Q. **Load Forecast, Generation, and Purchases**

2 Please provide all studies, documents, data, calculations and workpapers for the
3 2018 and 2019 load forecast used in Hydro’s 2017 GRA similar to the response to
4 IC-NLH-30 from the 2013 Amended GRA.

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7 A. Please refer to IC-NLH-083, Attachment 1, which provides the requested load
8 information and updated worksheets for the 2018 and 2019 load forecast. Note
9 that Hydro’s operating load forecasts for 2018 and 2019 are a combination of input
10 from Industrial Customers, Newfoundland Power and Hydro’s analysis for Rural
11 Interconnected and Isolated Systems.

**NEWFOUNDLAND & LABRADOR HYDRO
CUSTOMER COINCIDENCE FACTORS FOR HYDRO's INTERCONNECTED ISLAND SYSTEM**

SYSTEM WINTER PEAK				COINCIDENT PEAKS			NON-COINCIDENT PEAKS			COINCIDENCE FACTORS		
Year	MW	Date	Time	Newfoundland Power	Hydro Rural	Industrial	Newfoundland Power	Hydro Rural	Industrial	Newfoundland Power	Hydro Rural	Industrial
05/06	1276	Jan 23/06	9:44	1124.4	64.4	73.4	1130.9	80.2	87.0	0.994	0.803	
06/07	1323	Jan 18/07	10:01	1121.7	74.1	76.5	1142.3	81.4	89.4	0.982	0.911	
07/08	1289	Jan 22/08	17:23	1176.8	79.3	69.7	1180.7	81.5	72.0	0.997	0.972	
08/09	1390	Jan 26/09	19:16	1217.3	81.3	65.5	1218.8	88.9	75.5	0.999	0.914	
09/10	1305	Feb 5/10	12:07	1195.5	80.3	34.2	1206.0	81.7	39.5	0.991	0.983	
11/12	1399	Dec 25/11	10:18	1229.3	90.3	52.4	1240.9	95.5	63.0	0.991	0.946	0.831
12/13	1378	Jan 25/13	17:01	1240.0	74.5	51.8	1281.0	92.2	60.0	0.968	0.808	0.864
13/14	1535	Jan 3/14	16:24	1396.2	86.8	34.4	1398.5	100.7	39.0	0.998	0.862	0.883
14/15	1544	Mar 10/15	7:57	1338.0	92.3	38.6	1358.7	99.0	47.0	0.985	0.932	0.822
15/16	1550	Dec 29/15	16:52	1367.0	97.9	33.1	1367.0	98.4	38.5	1.000	0.994	0.860

10 Yr. Median Value	0.993	0.923	
5 Yr. Average Value			0.852

Notes:

1. Newfoundland Power coincident and non-coincident peaks are NP native demands.
2. System winter peak for 10/11 excluded as Corner Brook Pulp & Paper was receiving non-regular energy exchange power during the month of peak occurrence.

Operating Load Forecast - Transmission and Transformation Loss Calculations

Island Interconnected System

Energy: Energy losses for 2018 and 2019 have been forecast by Hydro's Vista model.

Demand: Demand losses for 2018 and 2019 have been determined by Hydro's PSS®E model.

Labrador Interconnected System

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Energy: Labrador West	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%
Labrador East	9.9%	9.8%	8.2%	6.6%	5.7%	3.9%	4.1%	4.1%	5.0%	6.9%	8.4%	9.8%

Demand: Demand losses for 2018 and 2019 have been determined by Hydro's PSS®E model.

OPERATING INTERCONNECTED LABRADOR LOAD FORECAST for 2018

2018	Jan-18		Feb-18		Mar-18		Apr-18		May-18		Jun-18		Jul-18		Aug-18		Sep-18		Oct-18		Nov-18		Dec-18		Annual Energy GWH
	<u>MW</u>	<u>GWH</u>	<u>MW</u>	<u>GWH</u>	<u>MW</u>	<u>GWH</u>	<u>MW</u>	<u>GWH</u>	<u>MW</u>	<u>GWH</u>	<u>MW</u>	<u>GWH</u>	<u>MW</u>	<u>GWH</u>	<u>MW</u>	<u>GWH</u>	<u>MW</u>	<u>GWH</u>	<u>MW</u>	<u>GWH</u>	<u>MW</u>	<u>GWH</u>	<u>MW</u>	<u>GWH</u>	
Hydro Rural Interconnected	162.4	96.3	159.8	84.2	143.8	80.4	109.8	58.7	88.4	44.6	63.9	31.2	47.4	26.4	47.4	26.1	69.6	34.0	92.7	49.0	125.6	67.9	152.6	89.8	688.6
Department of National Defence	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	0.0
Iron Ore Company of Canada	245.0	154.5	245.0	148.3	245.0	154.0	242.0	150.6	235.0	149.7	225.0	122.6	222.0	138.8	222.0	138.5	225.0	129.9	230.0	141.2	235.0	150.0	245.0	155.0	1733.1
Wabush Mines	0.3	0.1	0.3	0.1	0.3	0.1	0.3	0.1	0.3	0.1	0.3	0.1	0.3	0.1	0.3	0.1	0.3	0.1	0.3	0.1	0.3	0.1	0.3	0.1	1.2
Total Deliveries	369.4	250.9		232.6		234.5		209.4		194.4		153.9		165.3		164.7		164.0		190.3		218.0		244.9	2422.9
Transmission Losses	31.3																								151.1
Hydro Labrador Interconnected System Requirement	400.7																							2574.0	

OPERATING INTERCONNECTED LABRADOR LOAD FORECAST for 2019

2019	Jan-19		Feb-19		Mar-19		Apr-19		May-19		Jun-19		Jul-19		Aug-19		Sep-19		Oct-19		Nov-19		Dec-19		Annual Energy GWH
	<u>MW</u>	<u>GWH</u>	<u>MW</u>	<u>GWH</u>	<u>MW</u>	<u>GWH</u>	<u>MW</u>	<u>GWH</u>	<u>MW</u>	<u>GWH</u>	<u>MW</u>	<u>GWH</u>	<u>MW</u>	<u>GWH</u>	<u>MW</u>	<u>GWH</u>	<u>MW</u>	<u>GWH</u>	<u>MW</u>	<u>GWH</u>	<u>MW</u>	<u>GWH</u>	<u>MW</u>	<u>GWH</u>	
Hydro Rural Interconnected	161.5	96.3	159.0	84.2	143.1	80.4	109.2	58.7	88.0	44.5	63.6	31.0	47.1	26.4	47.1	26.0	69.2	34.1	92.2	49.1	124.9	67.9	151.7	89.9	688.5
Department of National Defence	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	0.0
Iron Ore Company of Canada	245.0	154.5	245.0	148.3	245.0	154.0	242.0	150.6	235.0	149.7	225.0	122.6	222.0	138.8	222.0	138.5	225.0	129.9	230.0	141.2	235.0	150.0	245.0	155.0	1733.1
Wabush Mines	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Deliveries	368.3	250.8		232.5		234.4		209.3		194.2		153.6		165.2		164.5		164.0		190.3		217.9		244.9	2421.6
Transmission Losses	30.7																								150.9
Hydro Labrador Interconnected System Requirement	399.0																							2572.5	

NOTES:

- Forecast utility energy and peak demands reflect historical average weather conditions.
- System peak excludes interruptible and secondary load.
- Sales to Department of National Defence are secondary sales.
- Demands for Total Deliveries and Transmission Losses are coincident with system peak.

Date: March 10, 2017

OPERATING INTERCONNECTED ISLAND LOAD FORECAST for 2018

	Jan-18		Feb-18		Mar-18		Apr-18		May-18		Jun-18		Jul-18		Aug-18		Sep-18		Oct-18		Nov-18		Dec-18		Annual Energy
	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	GWH
Newfoundland Power	1322.8	715.6	1285.2	644.8	1205.0	650.6	1032.5	510.4	876.0	421.2	729.0	347.0	609.8	314.2	571.1	303.6	648.3	316.3	861.3	416.3	1045.6	518.1	1263.2	666.4	5824.5
Hydro Rural Interconnected	98.6	52.5	94.1	45.7	88.5	44.8	77.9	38.4	72.9	36.6	68.1	32.0	61.1	30.2	58.2	30.2	60.6	27.6	67.4	32.9	79.8	37.9	96.9	48.2	457.0
Industrial Customers	97.5	60.6	97.5	58.2	94.5	62.0	96.4	54.6	94.4	62.0	95.4	60.9	93.4	57.8	94.4	61.9	95.4	61.1	94.4	61.5	96.4	62.1	96.5	63.3	726.0
Total Deliveries	1490.5	828.7	1449.1	748.7	1361.5	757.4	1182.1	603.4	1020.4	519.8	871.0	439.9	744.5	402.2	704.2	395.7	784.0	405.0	1000.9	510.7	1196.9	618.1	1428.8	777.9	7007.5
Transmission Losses	79.5																								215.0
Hydro Island Interconnected System Requirement	1570.0																							7222.5	

OPERATING INTERCONNECTED ISLAND LOAD FORECAST for 2019

	Jan-19		Feb-19		Mar-19		Apr-19		May-19		Jun-19		Jul-19		Aug-19		Sep-19		Oct-19		Nov-19		Dec-19		Annual Energy
	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	MW	GWH	GWH
Newfoundland Power	1322.3	716.2	1284.7	645.7	1204.5	652.8	1032.1	511.5	875.6	420.9	728.7	349.3	609.5	316.7	570.8	304.7	648.0	318.9	861.0	420.3	1045.2	516.6	1262.7	660.0	5833.6
Hydro Rural Interconnected	96.9	51.9	92.5	45.2	87.1	44.3	76.6	37.9	71.7	36.1	67.0	31.6	60.1	29.8	57.2	29.8	59.6	27.3	66.3	32.5	78.5	37.5	95.8	47.6	451.5
Industrial Customers	96.5	63.0	96.5	58.1	93.5	63.3	95.4	61.5	93.4	63.0	94.4	60.9	92.4	62.4	93.4	62.6	94.4	61.0	93.4	63.0	95.4	60.7	95.5	63.8	743.3
Total Deliveries	1487.6	831.1	1446.2	749.0	1358.9	760.4	1179.7	610.9	1018.1	520.0	868.9	441.8	742.4	408.9	702.2	397.1	782.0	407.2	998.7	515.8	1194.5	614.8	1426.5	771.4	7028.4
Transmission Losses	79.0																								206.9
Hydro Island Interconnected System Requirement	1566.6																							7235.3	

NOTES:

1. Newfoundland Power MW reflect the maximum MW purchased by Newfoundland Power from Hydro. Maximum purchase reflects average peak demand weather conditions.
2. Hydro Rural Interconnected annual maximum MW requirements reflect average peak demand weather conditions.
3. Forecast energy losses are based on expected energy supply sources and Vista analysis.
4. Forecast MW transmission losses include the station services for Holyrood, Bottom Brook, and Soldiers Pond as appropriate.

Date: March 10, 2017

Derivation of Forecast NP Maximum Purchase Demand and NP Demand at Hydro's System Peak

	Column A NP Native Peak (MW)	Column B NP Generation (MW)	Column C NP Maximum Purchase Demand (MW)	Column D NP Demand from Hydro at Hydro System Peak (MW)
2018	1392.8	70.0	1322.8	1313.0
2019	1392.3	70.0	1322.3	1312.5

Notes:

1. Column A's NP Native Peak for is sourced to NP Peak Demand Forecast, Dated October 7, 2016.
2. NP generation is the expected generation operating at Hydro's peak.
3. Column C = Column A - Column B
5. Column D = (Column A * 0.993) - Column B

Hydro Rural System Sales Forecast for 2018

Island Interconnected														Customers
Monthly System Sales in MW/hs														
Rate	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
1.10	11,044	9,963	9,257	8,907	8,363	7,721	7,366	7,425	7,355	8,131	8,932	10,178	104,643	11,404
1.12	17,755	16,400	15,034	13,351	10,862	8,819	7,159	6,813	7,529	9,872	12,790	16,078	142,462	8,524
1.30	49	44	42	30	23	16	8	13	19	26	32	43	345	1
2.20	8,188	7,245	8,609	6,309	5,667	4,803	4,886	4,825	4,684	5,543	6,392	8,581	75,733	2,863
2.30	5,522	4,811	5,813	4,245	4,421	4,068	4,460	4,525	3,701	4,427	4,783	6,012	56,788	93
2.40	2,409	1,888	2,604	2,158	3,590	3,590	4,548	3,749	2,660	2,824	2,504	2,955	35,480	9
Lighting	234	234	234	232	233	234	234	234	234	234	233	232	2,800	953
Total Sales	45,201	40,584	41,593	35,233	33,159	29,251	28,661	27,585	26,182	31,057	35,665	44,079	418,250	23,847
Company Use	132	127	121	94	71	54	42	40	47	65	90	117	1,000	34
Monthly Demand in kW/kVa														
2.20	20,435	19,085	19,988	17,483	17,284	15,090	14,973	15,598	16,422	17,918	19,506	23,540		
2.30	16,484	14,645	16,252	14,921	15,797	14,226	15,070	15,425	13,476	16,231	15,246	18,590		
2.40	5,248	4,689	6,643	7,029	9,431	10,648	12,154	13,055	9,512	8,877	7,532	7,095		

L'Anse au Loup														Customers
Monthly System Sales in MW/hs														
Rate	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
1.10	477	441	406	383	346	313	296	289	299	319	376	459	4,404	390
1.12	1,378	1,342	1,156	1,016	854	718	523	477	584	784	1,036	1,359	11,227	424
210/220	666	656	580	538	481	474	469	453	447	468	550	661	6,442	202
2.30	157	146	163	103	221	419	433	396	209	193	185	206	2,831	7
Lighting	4	4	4	4	4	4	4	4	4	4	4	4	52	34
Total	2,682	2,589	2,309	2,045	1,906	1,928	1,725	1,619	1,543	1,768	2,151	2,689	24,956	1,057
Company Use	5	4	4	3	2	1	1	1	1	3	4	4	33	2
Monthly Demand in kW/kVa														
2.20	2,259	2,190	2,058	1,941	2,009	2,011	1,994	1,961	1,911	2,084	2,131	2,314		
2.30	557	527	613	542	1,103	1,524	1,626	1,505	973	822	612	629		

Hydro Rural System Sales Forecast for 2018

Labrador Diesel	Monthly System Sales in MWhs														Customers
	Rate	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
D120	2,236	2,001	1,955	1,778	1,708	1,550	1,431	1,417	1,475	1,697	1,862	2,181	21,291	2,077	
G120	65	60	58	51	45	37	31	30	33	42	48	61	563	26	
S210	44	40	35	28	27	20	16	16	22	26	33	44	350	37	
S220	128	120	127	118	117	95	66	73	104	126	127	126	1,327	13	
D210	406	391	381	334	306	255	250	252	244	282	330	404	3,835	380	
D220	927	850	835	743	771	756	774	800	733	745	769	853	9,556	98	
G210	53	51	49	40	37	32	29	29	31	34	40	49	472	34	
G220	88	81	80	68	62	49	45	44	50	62	71	83	784	19	
I220	14	11	12	14	52	82	58	23	25	18	9	14	333	2	
I230	59	62	58	144	251	378	419	297	164	112	77	59	2,082	5	
I240	68	56	55	55	63	274	460	546	402	270	78	50	2,377	1	
Lighting	24	24	24	24	24	24	24	24	25	25	25	25	294	90	
Gov't Lighting	1	1	1	1	1	1	1	1	1	1	1	0	7	2	
Total	4,112	3,748	3,671	3,399	3,463	3,553	3,603	3,554	3,308	3,441	3,469	3,950	43,270	2,784	
Company Use	18	17	16	19	10	7	5	5	7	11	13	19	147	13	
	Monthly Demand in kW/kVa														
S220	408	380	410	397	385	383	272	297	310	353	370	383			
D220	2,789	2,729	2,589	2,563	2,700	2,708	2,916	2,772	2,771	2,851	2,768	2,758			
G220	291	283	254	261	237	237	218	208	232	260	257	280			
2.20	25	40	21	46	203	273	190	77	93	45	32	31			
2.30	270	256	219	423	1,213	1,573	1,921	1,265	968	687	435	306			
2.40	110	120	94	148	247	892	1,051	1,101	1,040	1,013	193	128			

Hydro Rural System Sales Forecast for 2018

Happy Valley-Goose Bay														Customers
Monthly System Sales in MWhs														
Rate	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
1.10	154	142	119	95	75	53	37	36	46	72	99	124	1,051	112
1.12	20,893	19,172	15,533	12,318	9,139	6,475	4,870	4,598	5,967	9,428	12,933	17,788	139,114	4,523
2.10	536	492	423	341	274	222	191	187	190	264	351	447	3,918	281
2.20	4,933	4,452	3,946	3,111	2,360	1,937	1,719	1,630	1,761	2,438	3,117	3,927	35,332	347
2.30	6,181	5,513	4,996	4,051	3,134	2,655	2,206	2,440	2,457	3,523	4,469	5,176	46,800	63
2.40	11,790	10,516	9,529	7,727	5,978	5,063	4,207	4,654	4,687	6,720	8,525	9,873	89,268	4
Lighting	81	81	81	81	81	81	82	82	82	82	82	82	979	253
Total	44,569	40,369	34,627	27,722	21,041	16,487	13,311	13,627	15,191	22,527	29,575	37,417	316,463	5,583
Company Use	207	202	171	137	88	56	44	38	45	90	130	169	1,377	4
Monthly Demand in kW/kVa														
2.20	12,422	12,715	11,737	11,240	9,455	8,449	6,809	6,807	7,971	9,553	10,786	11,382		
2.30	15,061	15,669	14,493	14,022	12,412	10,774	9,147	8,879	10,453	12,333	13,699	14,379		
2.40	21,708	19,388	17,789	17,034	15,630	10,348	9,424	10,425	10,850	13,896	16,273	19,332		

Labrador West														Customers
Monthly System Sales in MWhs														
Rate	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
1.10	161	151	128	92	70	43	35	39	50	76	111	146	1,102	229
1.12	25,538	22,899	19,618	14,960	11,221	7,542	5,362	5,621	7,855	13,118	17,439	22,776	173,948	4994
2.10	320	304	290	259	202	152	124	124	140	181	246	286	2,627	235
2.20	4,701	4,415	4,069	3,216	2,610	1,925	1,599	1,561	1,817	2,462	3,101	3,985	35,461	332
2.30	10,864	10,116	9,328	7,506	5,666	4,066	3,460	3,354	4,165	6,046	7,857	9,655	82,083	121
2.40	3,631	3,637	3,637	3,637	3,637	3,638	3,639	3,640	3,634	3,635	3,637	3,639	43,641	2
Lighting	68	68	68	68	68	68	68	68	68	68	69	69	819	131
Total	45,282	41,590	37,138	29,738	23,474	17,434	14,287	14,407	17,729	25,586	32,460	40,556	339,681	6044
Company Use	42	47	41	36	25	19	16	16	17	21	28	36	343	6
Monthly Demand in kW/kVa														
2.20	11,319	11,179	11,143	9,957	10,319	8,979	7,118	7,103	8,397	9,554	9,815	11,012		
2.30	23,898	23,125	22,512	20,845	19,506	16,323	13,134	13,208	16,268	19,428	21,142	23,294		
2.40	5,527	5,535	5,536	5,535	5,536	5,538	5,538	5,540	5,532	5,532	5,535	5,539		

Hydro Rural System Sales Forecast for 2019

Island Interconnected														Customers
Monthly System Sales in MWhs														
Rate	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
1.10	11,023	9,944	9,239	8,890	8,347	7,706	7,352	7,411	7,342	8,116	8,916	10,159	104,446	11,416
1.12	17,721	16,369	15,006	13,326	10,841	8,802	7,146	6,801	7,515	9,853	12,766	16,047	142,194	8,533
1.30	49	44	42	30	23	16	8	13	19	26	32	43	345	1
2.20	7,949	7,026	8,388	6,127	5,523	4,685	4,779	4,717	4,567	5,402	6,218	8,355	73,738	2,865
2.30	5,361	4,666	5,664	4,123	4,308	3,968	4,362	4,424	3,608	4,314	4,652	5,854	55,306	94
2.40	2,339	1,831	2,538	2,096	3,499	3,501	4,448	3,665	2,594	2,752	2,436	2,877	34,576	9
Lighting	234	234	234	232	233	234	234	234	234	234	233	232	2,800	953
Total Sales	44,677	40,114	41,111	34,824	32,774	28,912	28,329	27,265	25,879	30,697	35,252	43,568	413,405	23,871
Company Use	132	127	121	94	71	54	42	40	47	65	90	117	1,000	34
Monthly Demand in kW/kVa														
2.20	19,839	18,510	19,476	16,979	16,845	14,718	14,645	15,250	16,013	17,462	18,975	22,921		
2.30	16,004	14,204	15,835	14,491	15,395	13,874	14,739	15,080	13,140	15,817	14,831	18,101		
2.40	5,095	4,548	6,473	6,826	9,191	10,385	11,888	12,763	9,275	8,650	7,327	6,909		

L'Anse au Loup														Customers
Monthly System Sales in MWhs														
Rate	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
1.10	474	438	403	381	344	311	294	287	297	317	373	457	4,376	388
1.12	1,399	1,362	1,174	1,032	868	729	531	484	593	796	1,052	1,381	11,401	430
210/220	670	660	583	541	483	477	472	456	450	471	553	665	6,481	202
2.30	157	146	163	103	221	419	433	396	209	193	185	206	2,831	7
Lighting	4	4	4	4	4	4	4	4	4	4	4	9	53	35
Total	2,704	2,610	2,327	2,061	1,920	1,940	1,734	1,627	1,553	1,781	2,167	2,718	25,142	1,062
Company Use	5	4	4	3	2	1	1	1	1	3	4	4	33	2
Monthly Demand in kW/kVa														
2.20	2,273	2,203	2,070	1,953	2,022	2,023	2,006	1,973	1,922	2,097	2,143	2,328		
2.30	557	527	613	542	1,103	1,524	1,626	1,505	973	822	612	629		

Hydro Rural System Sales Forecast for 2019

Labrador Diesel	Monthly System Sales in MWhs														Customers
	Rate	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
D120	2,252	2,016	1,969	1,792	1,721	1,562	1,442	1,428	1,486	1,710	1,876	2,197	21,451	2,088	
G120	65	60	58	51	45	37	31	30	33	42	48	63	563	26	
S210	44	40	35	28	27	20	16	16	22	26	33	43	350	37	
S220	128	120	127	118	117	95	66	73	104	126	127	126	1,327	13	
D210	409	393	383	336	308	256	251	254	245	284	332	407	3,858	383	
D220	927	851	836	743	772	757	774	800	733	745	769	855	9,562	98	
G210	53	51	49	40	37	32	29	29	31	34	40	47	472	34	
G220	88	81	80	68	62	49	45	44	50	62	71	84	784	19	
I220	14	11	12	14	52	82	58	23	25	18	9	15	333	2	
I230	59	62	58	144	251	378	419	297	164	112	77	61	2,082	5	
I240	68	56	55	55	63	274	460	546	402	270	78	50	2,377	1	
Lighting	24	24	24	24	24	25	25	25	25	25	25	25	295	90	
Gov't Lighting	1	1	1	1	1	1	1	1	1	1	1	0	7	2	
Total	4,132	3,766	3,687	3,414	3,480	3,568	3,617	3,566	3,321	3,455	3,486	3,973	43,461	2,798	
Company Use	18	17	16	19	10	7	5	5	7	11	13	19	147	13	
	Monthly Demand in kW/kVa														
S220	408	380	410	397	386	383	273	296	311	353	371	382			
D220	2,789	2,732	2,592	2,563	2,704	2,711	2,916	2,772	2,771	2,851	2,768	2,764			
G220	290	284	253	261	236	236	219	206	232	259	259	283			
2.20	25	40	21	45	204	273	189	76	94	45	32	32			
2.30	269	254	217	423	1,213	1,574	1,921	1,263	966	686	435	315			
2.40	110	120	94	148	247	892	1,051	1,101	1,040	1,013	193	128			

Hydro Rural System Sales Forecast for 2019

Happy Valley-Goose Bay															Customers
Monthly System Sales in MWhs															
Rate	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total		
1.10	151	139	117	93	74	52	36	36	45	70	97	122	1,032	110	
1.12	21,044	19,310	15,644	12,407	9,204	6,522	4,905	4,631	6,010	9,496	13,026	17,916	140,116	4,578	
2.10	539	494	425	342	276	223	192	188	191	265	353	449	3,937	282	
2.20	4,957	4,473	3,965	3,126	2,371	1,947	1,727	1,638	1,770	2,450	3,132	3,945	35,501	349	
2.30	6,214	5,543	5,022	4,072	3,151	2,669	2,217	2,453	2,470	3,542	4,493	5,204	47,050	63	
2.40	10,437	9,310	8,436	6,840	5,292	4,483	3,724	4,120	4,149	5,949	7,547	8,740	79,028	4	
Lighting	81	81	81	81	81	81	82	82	82	82	82	82	979	253	
Total	43,423	39,350	33,690	26,961	20,449	15,977	12,883	13,148	14,717	21,854	28,730	36,458	307,643	5,639	
Company Use	207	202	171	137	88	56	44	38	45	90	130	169	1,377	4	
Monthly Demand in kW/kVa															
2.20	12,482	11,641	11,793	10,931	9,500	8,217	6,841	6,840	7,751	9,599	10,489	11,435			
2.30	15,142	14,356	14,570	13,641	12,480	10,483	9,195	8,927	10,168	12,399	13,328	14,457			
2.40	19,217	17,164	15,748	15,079	13,837	9,162	8,342	9,229	9,604	12,301	14,407	17,114			

Labrador West															Customers
Monthly System Sales in MWhs															
Rate	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total		
1.10	159	149	127	91	69	42	35	38	50	75	110	145	1,091	228	
1.12	25,512	22,877	19,598	14,945	11,210	7,534	5,357	5,616	7,847	13,105	17,422	22,754	173,776	5,002	
2.10	322	307	292	261	204	153	125	125	141	182	248	288	2,647	237	
2.20	4,738	4,449	4,100	3,241	2,631	1,940	1,612	1,574	1,831	2,482	3,126	4,017	35,740	335	
2.30	11,000	10,242	9,444	7,599	5,737	4,117	3,503	3,396	4,217	6,122	7,955	9,776	83,108	123	
2.40	4,236	4,243	4,243	4,243	4,243	4,245	4,245	4,246	4,240	4,241	4,243	4,245	50,914	2	
Lighting	69	69	69	69	69	69	69	69	70	70	70	70	832	132	
Total	46,036	42,335	37,874	30,450	24,162	18,101	14,946	15,065	18,396	26,276	33,173	41,294	348,108	6,059	
Company Use	42	47	41	36	25	19	16	16	17	21	28	36	343	6	
Monthly Demand in kW/kVa															
2.20	11,408	11,266	11,231	10,035	10,400	9,050	7,174	7,160	8,463	9,630	9,892	11,099			
2.30	24,195	23,411	22,793	21,103	19,748	16,525	13,297	13,373	16,470	19,670	21,405	23,583			
2.40	6,448	6,458	6,459	6,458	6,459	6,461	6,461	6,463	6,454	6,455	6,458	6,462			