

1 Q. Please provide all data and documents, including forecast sales and losses
2 by customer class, used in developing the energy allocation factors of the
3 cost of service study.

4

5

6 A. Please see attached.

Newfoundland and Labrador Hydro
Energy Allocation Factors

Line No	Load Served @ Secondary (A)	Secondary Loss Multiplier (B)	Input to Secondary (C)	Load Served @ Primary (D)	Load Through Primary (E)	Primary Loss Multiplier (F)	Input to Primary (G)	Load Served @ Transm. (H)	Load Through Transm. (I)	Transm. Loss Multiplier (J)	Input to Transm. (J)	Load Served @ Generation (L)	Input to System (M)	Load Forecast
YEAR: 2007														
ISLAND INTERCONNECTED														
1 Newfoundland Light & Power	-	1.055	-	-	-	1.035	-	4,964,000	4,964,000	1.032	5,124,618		5,124,618	Col H - Schedule III, J.R. Haynes
2 Abitibi Consolidated - Stephenville	-	1.055	-	-	-	1.035	-	5,700	5,700	1.032	5,884		5,884	Col H - Schedule III, J.R. Haynes
3 Abitibi Consolidated - Grand Falls	-	1.055	-	-	-	1.035	-	131,400	131,400	1.032	135,652		135,652	Col H - Line 54
4 Corner Brook Pulp & Paper Co. Ltd.	-	1.055	-	-	-	1.035	-	447,600	447,600	1.032	462,083		462,083	Col H - Line 57
5 North Atlantic Refining Ltd.	-	1.055	1.055	-	-	1.035	-	245,300	245,300	1.032	253,237		253,237	Col H - Schedule III, J.R. Haynes
6 Aur Resources	-	1.055	1.055	-	-	1.035	-	64,300	64,300	1.032	66,381		66,381	Col H - Schedule III, J.R. Haynes
7 Total Industrial								<u>894,300</u>	<u>894,300</u>		<u>923,236</u>		<u>923,236</u>	Lines 2 to 6
8 Non-firm	-	1.055	-	-	-	1.035	-	4,900	4,900	1.032	5,059		5,059	Col H - Line 56
9 1.1 Domestic	108,756	1.055	114,760	-	114,760	1.035	118,735	-	118,735	1.032	122,577		122,577	Col A - Page 4 of 6, Line 1
10 1.12 Domestic All Electric	107,244	1.055	113,164	-	113,164	1.035	117,084	-	117,084	1.032	120,873		120,873	Col A - Page 4 of 6, Line 2
11 1.3 Special	177	1.055	187	-	187	1.035	193	-	193	1.032	199		199	Col A - Page 4 of 6, Line 3
12 2.1 General Service 0-10 kW	14,762	1.055	15,577	-	15,577	1.035	16,116	-	16,116	1.032	16,638		16,638	Col A - Page 4 of 6, Line 4
13 2.2 General Service 10-100 kW	56,323	1.055	59,432	98	59,530	1.035	61,592	-	61,592	1.032	63,585		63,585	Col A + Col C - Page 4 of 6, Line 5
14 2.3 General Service 110-1,000 kVa	39,436	1.055	41,613	2,300	43,913	1.035	45,434	-	45,434	1.032	46,904		46,904	Col A + Col C - Page 4 of 6, Line 6
15 2.4 General Service Over 1,000 kVa	24,781	1.055	26,149	2,431	28,580	1.035	29,570	-	29,570	1.032	30,527		30,527	Col A + Col C - Page 4 of 6, Line 7
16 4.1 Street and Area Lighting	3,000	1.055	3,166	-	3,166	1.035	3,275	-	3,275	1.032	3,381		3,381	Col A - Page 4 of 6, Line 8
17 Sub-Total	<u>354,479</u>		<u>374,047</u>	<u>4,829</u>	<u>378,876</u>		<u>392,000</u>	-	<u>392,000</u>		<u>404,684</u>	-	<u>404,684</u>	
18 Grand Total	<u>354,479</u>		<u>374,047</u>	<u>4,829</u>	<u>378,876</u>		<u>392,000</u>	<u>5,863,200</u>	<u>6,255,200</u>		<u>6,457,597</u>	-	<u>6,457,597</u>	Col G - Schedule III, J.R. Haynes
LABRADOR INTERCONNECTED														
19 CFB-Goose Bay Boiler	-	1.028	-	-	-	1.018	-	77,400	77,400	1.129	87,373		87,373	Col H - Schedule IV J.R. Haynes
20 Industrial Firm	-	1.028	-	-	-	1.018	-	306,600	306,600	1.129	346,106		346,106	Col H - Line 60
21 Industrial Non-Firm	-	1.028	-	-	-	1.018	-	6,100	6,100	1.129	6,886		6,886	Col H - Line 63
22 Total Industrial	-		-	-	-		-	<u>390,100</u>	<u>390,100</u>		<u>440,365</u>	-	<u>440,365</u>	Lines 19 to 21
23 1.1 Domestic	6,571	1.028	6,758	-	6,758	1.018	6,880	-	6,880	1.129	7,766		7,766	Col A - Page 4 of 6, Line 10
24 1.1A Domestic All Electric	261,617	1.028	269,056	-	269,056	1.018	273,902	-	273,902	1.129	309,195		309,195	Col A - Page 4 of 6, Line 11
25 2.1 General Service 0-10 kW	4,521	1.028	4,650	-	4,650	1.018	4,733	-	4,733	1.129	5,343		5,343	Col A - Page 4 of 6, Line 12
26 2.2 General Service 10-100 kW	65,165	1.028	67,018	-	67,018	1.018	68,225	-	68,225	1.129	77,016		77,016	Col A - Page 4 of 6, Line 13
27 2.3 General Service 110-1,000 kVa	86,390	1.028	88,846	-	88,846	1.018	90,447	-	90,447	1.129	102,101		102,101	Col A - Page 4 of 6, Line 14
28 2.4 General Service over 1000 kVa	57,000	1.028	58,621	-	58,621	1.018	59,677	-	59,677	1.129	67,366		67,366	Col A - Page 4 of 6, Line 15
29 4.1 Street and Area Lighting	1,563	1.028	1,608	-	1,608	1.018	1,636	-	1,636	1.129	1,847		1,847	Col A - Page 4 of 6, Line 16
30 Sub-Total Jurisdictional	<u>482,827</u>		<u>496,555</u>	-	<u>496,555</u>		<u>505,500</u>	-	<u>505,500</u>		<u>570,634</u>	-	<u>570,634</u>	Lines 23 to 29
31 Grand Total	<u>482,827</u>		<u>496,555</u>	-	<u>496,555</u>		<u>505,500</u>	<u>390,100</u>	<u>895,600</u>		<u>1,011,000</u>	-	<u>1,011,000</u>	Lines 22 plus 30
ISLAND ISOLATED														
32 1.2 Domestic Diesel	5,311	1.038	5,512	-	5,512	1.024	5,643	-	5,643	1.000	5,643		5,643	Col A - Page 5 of 6, Line 9
33 2.1 General Service 0-10 kW	811	1.038	841	-	841	1.024	861	-	861	1.000	861		861	Col A - Page 5 of 6, Line 10, 12, 14
34 2.2 General Service 10-100 kW	873	1.038	906	-	906	1.024	927	-	927	1.000	927		927	Col A - Page 5 of 6, Line 11, 13, 15
35 2.3 General Service 110-1,000 kVa	984	1.038	1,021	-	1,021	1.024	1,046	-	1,046	1.000	1,046		1,046	Col A - Page 5 of 6, Line 16, 17
36 4.1 Street and Area Lighting	94	1.038	97	-	97	1.024	100	-	100	1.000	100		100	Col A - Page 5 of 6, Line 18, 19
37 Total Rural	<u>8,072</u>		<u>8,377</u>	-	<u>8,377</u>		<u>8,577</u>	-	<u>8,577</u>		<u>8,577</u>	-	<u>8,577</u>	

Newfoundland and Labrador Hydro
Energy Allocation Factors

LABRADOR ISOLATED

38 1.2 Domestic Diesel	21,844	1.035	22,606	-	22,606	1.022	23,104	-	23,104	1.000	23,104	23,104	Col A - Page 5 of 6, Line 21, 22
39 2.1 General Service 0-10 kW	3,536	1.035	3,659	-	3,659	1.022	3,740	-	3,740	1.000	3,740	3,740	Col A - Page 5 of 6, Line 23, 26, 28
40 2.2 General Service 10-100 kW	9,823	1.035	10,165	-	10,165	1.022	10,389	-	10,389	1.000	10,389	10,389	Col A - Page 5 of 6, Line 24, 27, 29, 30
41 2.3 General Service 110-1,000 kVA	2,048	1.035	2,120	-	2,120	1.022	2,166	-	2,166	1.000	2,166	2,166	Col A - Page 5 of 6, Line 25, 31
42 2.4 General Service over 1000 kVA	2,429	1.035	2,513	-	2,513	1.022	2,569	-	2,569	1.000	2,569	2,569	Col A - Page 5 of 6, Line 32
43 4.1 Street and Area Lighting	341	1.035	353	-	353	1.022	361	-	361	1.000	361	361	Col A - Page 5 of 6, Line 33, 34
44 Total Rural	<u>40,020</u>		<u>41,416</u>	-	<u>41,416</u>		<u>42,329</u>	-	<u>42,329</u>		<u>42,329</u>	-	<u>42,329</u>

L'ANSE AU LOUP

45 1.1 Domestic	5,667	1.051	5,956	-	5,956	1.032	6,146	-	6,146	1.000	6,146	6,146	Col A - Regular domestic portion of Page 6 of 6, Line 24
46 1.12 Domestic All Electric	3,517	1.051	3,696	-	3,696	1.032	3,815	-	3,815	1.000	3,815	3,815	Col A - All-electric portion of Page 6 of 6, Line 24
47 2.1 General Service 0-10 kW	1,097	1.051	1,153	-	1,153	1.032	1,190	-	1,190	1.000	1,190	1,190	Col A - Page 6 of 6, Line 25
48 2.2 General Service 10-100 kW	3,847	1.051	4,043	-	4,043	1.032	4,172	-	4,172	1.000	4,172	4,172	Col A - Page 6 of 6, Line 26
49 2.3 General Service 110-1,000 kVA	1,329	1.051	1,397	-	1,397	1.032	1,441	-	1,441	1.000	1,441	1,441	Col A - Page 6 of 6, Line 27
50 4.1 Street and Area Lighting	110	1.051	116	-	116	1.032	119	-	119	1.000	119	119	Col A - Page 6 of 6, Line 28
51 Total Rural	<u>15,567</u>		<u>16,360</u>	-	<u>16,360</u>		<u>16,884</u>	-	<u>16,884</u>		<u>16,884</u>	-	<u>16,884</u>

Load Served at Transmission			
Abitibi Consolidated - Grand Falls			
52 2007 Forecast per Schedule III, J.R. Haynes	162,400		
53 Less: Compensation	<u>(31,000)</u>		
54 Sales at Transmission	<u>131,400</u>		

Corner Brook Pulp & Paper Co. Ltd.			
55 2007 Forecast per Schedule III, J.R. Haynes	452,500		
56 Less: Non-Firm Sales	<u>(4,900)</u>		
57 Firm Sales at Transmission	<u>447,600</u>		

Iron Ore Company of Canada (IOCC)			
58 2007 Forecast per Schedule IV J.R. Haynes	312,500		
59 Less: Non-Firm Sales	<u>(5,900)</u>		
60 Firm Sales at Transmission	<u>306,600</u>		

Labrador Interconnected Non-Firm Sales			
61 IOCC	5,900		
62 Wabush Mines per Schedule IV J.R. Haynes	<u>200</u>		
63 Non-Firm Sales at Transmission	<u>6,100</u>		

Newfoundland and Labrador Hydro
2007 Rural Sales Forecast

Line No	Island Interconnected	2007												Total	
	Rate	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
1	1.10	11,460	10,233	9,561	9,353	8,671	7,958	7,572	7,526	7,715	8,460	9,428	10,819	108,756	
2	1.12	13,383	12,626	11,290	10,264	8,527	6,787	5,405	5,069	5,611	7,180	9,411	11,691	107,244	
3	1.30	31	27	20	18	13	8	6	3	5	8	14	24	177	
4	2.10	1,536	1,531	1,387	1,319	1,161	1,054	1,045	1,047	1,003	1,052	1,213	1,414	14,762	
5	2.20	6,635	7,216	6,436	5,746	3,923	3,023	1,297	2,641	3,753	3,961	5,487	6,303	56,421	
6	2.30	3,423	3,315	3,272	3,136	3,221	3,648	3,888	3,771	3,703	3,519	3,400	3,440	41,736	
7	2.40	994	729	954	1,121	2,925	3,748	5,493	4,007	2,814	1,978	1,539	910	27,212	
8	Lighting	251	251	251	250	249	249	249	249	249	251	251	250	3,000	
9	Total Sales	37,713	35,928	33,171	31,207	28,690	26,475	24,955	24,313	24,853	26,409	30,743	34,851	359,308	
	Labrador Interconnected	2007												Total	
	Rate	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
10	1.10	923	873	718	574	431	340	277	261	309	436	625	803	6,571	Line 18 + Page 5 of 6, Line 1
11	1.12	38,017	35,991	29,595	23,529	17,181	12,710	9,021	8,670	11,530	17,870	25,103	32,400	261,617	Line 19 + Page 5 of 6, Line 2
12	2.10	560	542	488	401	332	273	239	250	240	283	419	494	4,521	Line 20 + Page 5 of 6, Line 3
13	2.20	8,358	7,994	7,232	5,880	4,312	3,438	2,917	3,066	3,351	4,595	6,224	7,798	65,165	Line 21 + Page 5 of 6, Line 4
14	2.30	11,228	10,418	9,556	7,897	5,844	4,795	4,131	4,016	4,603	6,188	7,809	9,905	86,390	Line 22 + Page 5 of 6, Line 5
15	2.40	6,757	7,250	6,525	5,002	3,961	3,760	2,782	3,011	3,376	3,761	4,963	5,852	57,000	Line 23 + Page 5 of 6, Line 6
16	Lighting	132	131	131	129	129	128	129	130	130	131	131	132	1,563	Line 24 + Page 5 of 6, Line 7
17	Total	65,975	63,199	54,245	43,412	32,190	25,444	19,496	19,404	23,539	33,264	45,274	57,384	482,827	
	Happy Valley-Goose Bay	2007												Total	
	Rate	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
18	1.10	464	444	364	302	228	187	160	146	168	227	328	402	3,420	
19	1.12	14,933	14,737	11,823	9,382	6,899	5,205	3,772	3,349	4,278	6,526	9,563	12,428	102,895	
20	2.10	394	391	336	262	205	169	141	148	137	175	279	333	2,970	
21	2.20	4,414	4,155	3,763	2,937	2,107	1,839	1,526	1,581	1,648	2,130	2,996	3,779	32,875	
22	2.30	4,179	3,867	3,470	2,977	2,181	2,045	1,721	1,756	1,945	2,420	2,962	3,854	33,377	
23	2.40	5,704	6,046	5,209	3,810	3,266	3,334	2,529	2,652	2,842	3,181	4,150	4,777	47,500	
24															
25	Lighting	71	71	70	70	70	70	70	70	70	70	70	67	839	
26	Total	30,159	29,711	25,035	19,740	14,956	12,849	9,919	9,702	11,088	14,729	20,348	25,640	223,876	

Newfoundland and Labrador Hydro
2007 Rural Sales Forecast

Labrador West		2007											
Rate	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1 1.10	459	429	354	272	203	153	117	115	141	209	297	402	3,152
2 1.12	23,084	21,254	17,772	14,147	10,282	7,505	5,249	5,321	7,252	11,344	15,540	19,972	158,723
3 2.10	166	151	152	139	127	104	98	102	103	108	140	161	1,553
4 2.20	3,944	3,839	3,469	2,943	2,205	1,599	1,391	1,485	1,703	2,465	3,228	4,019	32,292
5 2.30	7,049	6,551	6,086	4,920	3,663	2,750	2,410	2,260	2,658	3,768	4,847	6,051	53,015
6 2.40	1,053	1,204	1,316	1,192	695	426	253	359	534	580	813	1,075	9,502
7 Lighting	61	60	61	59	59	58	59	60	60	61	61	65	724
8 Total	35,816	33,488	29,210	23,672	17,234	12,595	9,577	9,702	12,451	18,535	24,926	31,745	258,962

Island Diesel		2007											
Rate	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
9 D120	589	542	517	472	421	384	351	355	340	364	443	533	5,311
10 S210	8	7	7	6	4	5	3	3	4	5	6	9	67
11 S220	37	37	39	34	35	31	18	17	31	34	37	34	384
12 D210	63	61	61	56	51	48	47	50	47	47	50	56	637
13 D220	19	20	16	17	17	17	17	16	17	17	16	17	206
14 G210	11	10	10	10	9	8	7	7	7	8	9	11	107
15 G220	31	31	19	22	21	21	22	21	22	23	23	26	282
16 G230	46	39	39	28	21	14	11	11	13	18	28	34	302
17 I230	16	12	11	23	69	108	142	116	74	60	34	17	682
18 Lighting	9	8	8	7	7	7	7	7	7	8	8	8	91
19 Gov't Lighting	0	0	0	0	0	0	0	0	0	0	0	0	3
20 Total Sales	829	767	727	675	655	643	625	603	562	584	654	746	8,072

Labrador Isolated		2007											
Rate	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
21 D120	2,301	2,026	1,836	1,801	1,670	1,624	1,458	1,494	1,528	1,679	1,901	2,062	21,380
22 G120	58	51	46	42	36	38	26	25	27	33	42	40	464
23 S210	26	21	19	16	13	10	7	7	11	12	15	20	177
24 S220	148	133	130	120	122	91	72	82	113	136	141	135	1,423
25 S230	38	43	34	43	38	28	22	36	37	46	47	38	450
26 D210	281	287	234	239	213	212	206	216	217	215	259	280	2,859
27 D220	700	669	585	580	523	514	522	541	516	538	577	607	6,872
28 G210	57	55	49	46	42	34	29	29	31	33	40	55	500
29 G220	128	101	121	101	84	75	65	71	72	88	105	115	1,126
30 I220	19	13	12	14	20	49	78	76	58	34	15	14	402
31 I230	50	32	27	51	92	208	274	296	255	164	96	53	1,598
32 I240	29	23	19	34	134	302	450	497	446	316	151	28	2,429
33 Lighting	28	28	28	28	28	28	28	28	28	28	28	27	335
34 Gov't Lighting	1	1	1	1	1	1	1	1	1	1	1	1	6
35 Total	3,864	3,483	3,141	3,116	3,016	3,214	3,238	3,399	3,340	3,323	3,418	3,474	40,020

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Labrador Isolated excluding Natuashish													
2007													
Rate	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1 D120	1,830	1,692	1,493	1,494	1,372	1,330	1,244	1,234	1,274	1,367	1,556	1,684	17,570
2 G120	54	48	43	39	33	35	24	23	25	30	39	39	432
3 S210	26	21	19	16	13	10	7	7	11	12	15	20	177
4 S220	148	133	130	120	122	91	72	82	113	136	141	135	1,423
5 D210	243	259	209	216	193	194	192	198	202	194	235	249	2,584
6 D220	533	522	479	478	438	426	451	460	440	453	481	497	5,658
7 G210	49	49	43	41	37	29	27	27	29	31	37	46	445
8 G220	95	82	82	74	61	50	46	48	50	61	77	84	810
9 I220	19	13	12	14	20	49	78	76	58	34	15	14	402
10 I230	50	32	27	51	92	208	274	296	255	164	96	53	1,598
11 I240	29	23	19	34	134	302	450	497	446	316	151	28	2,429
12 Lighting	22	22	22	22	22	22	22	22	22	22	22	21	263
13 Gov't Lighting	1	1	1	1	1	1	1	1	1	1	1	1	6
14 Total	3,099	2,897	2,579	2,600	2,538	2,747	2,888	2,971	2,926	2,821	2,866	2,870	33,796

Natuashish													
2007													
Rate	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
15 D120	471	334	343	307	298	294	214	260	254	312	345	378	3,810
16 G120	4	3	3	3	3	3	2	2	2	3	3	1	32
17 S230	38	43	34	43	38	28	22	36	37	46	47	38	450
18 D210	38	28	25	23	20	18	14	18	15	21	24	31	275
19 D220	167	147	106	102	85	88	71	81	76	85	96	110	1,214
20 G210	8	6	6	5	5	5	2	2	2	2	3	9	55
21 G220	33	19	39	27	23	25	19	23	22	27	28	31	316
22 Lighting	6	6	6	6	6	6	6	6	6	6	6	6	72
23 Total	765	586	562	516	478	467	350	428	414	502	552	604	6,224

L'Anse au Loup													
2007													
Rate	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
24 1.10	992	871	799	751	714	677	628	636	650	718	819	929	9,184
25 2.10	114	116	101	88	81	81	81	78	76	79	93	109	1,097
26 2.20	356	343	321	304	287	292	295	308	303	316	345	377	3,847
27 2.30	46	44	48	40	90	203	268	225	137	85	78	65	1,329
28 Lighting	9	9	9	9	9	9	9	9	9	9	9	11	110
29 Total	1,517	1,383	1,278	1,192	1,181	1,262	1,281	1,256	1,175	1,207	1,344	1,491	15,567