NEWFOUNDLAND AND LABRADOR HYDRO
Generation Expansion Analysis - Labrador Interconnection Scenario
Labrador Power Purchases ($000)

		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Average Rate Calculations:														
Muskrat Falls:														
a. Energy at Soldier's Pond (GWh)		1,811.4	1,877.5	1,952.7	2,018.9	2,114.7	2,211.9	2,378.2	2,447.2	2,505.2	2,587.5	2,676.2	2,809.4	3,024.8
b. Muskrat Falls rate ($/MWh)		87.09	88.84	90.61	92.42	94.27	96.16	98.08	100.04	102.04	104.08	106.17	108.29	110.46
c. Soldier's Pond rate ($/MWh) - Losses at:	5%	91.68	93.51	95.38	97.29	99.23	101.22	103.24	105.31	107.41	109.56	111.75	113.99	116.27
d. Cost ($000) (a x c) per Exhibit 6(b)		166,064	175,566	186,252	196,415	209,849	223,883	245,531	257,705	269,099	283,493	299,074	320,236	351,695
Other:														
a. Energy at Soldier's Pond (GWh)														
b. Source rate ($/MWh)														
c. Soldier's Pond rate ($/MWh) - Losses at:	5%													
d. Cost ($000) (a x c)														
Total energy at Soldier's Pond		1,811.4	1,877.5	1,952.7	2,018.9	2,114.7	2,211.9	2,378.2	2,447.2	2,505.2	2,587.5	2,676.2	2,809.4	3,024.8
Energy at source (GWh)	5%	1,906.7	1,976.3	2,055.5	2,125.2	2,226.0	2,328.3	2,503.3	2,575.9	2,637.1	2,723.7	2,817.0	2,957.2	3,184.0
Total cost		166,064	175,566	186,252	196,415	209,849	223,883	245,531	257,705	269,099	283,493	299,074	320,236	351,695
Average rate - Source		87.09	88.84	90.61	92.42	94.27	96.16	98.08	100.04	102.04	104.08	106.17	108.29	110.46
Average rate - Soldier's Pond - Losses at:	5%	91.67	93.52	95.38	97.28	99.23	101.22	103.24	105.31	107.41	109.56	111.76	113.99	116.27
Strategist Calculations:														
Energy at Soldier's Pond (GWh) - Strategist		1812.5	1881.9	1952.7	2018.9	2114.7	2211.9	2378.2	2447.2	2505.2	2587.5	2676.2	2809.4	3024.8
Average rate - Soldier's Pond		91.67	93.52	95.38	97.28	99.23	101.22	103.24	105.31	107.41	109.56	111.76	113.99	116.27
Cost ($000)		166,160	175,983	186,248	196,407	209,843	223,887	245,528	257,698	269,089	283,481	299,085	320,237	351,710
Labrador Power Purchases per MHI-Nalcor-1		166,155	175,978	186,242	196,401	209,837	223,881	245,521	257,690	269,081	283,472	299,076	320,228	351,699

Notes:
1. Difference in annual energy and revenue in this Exhibit as well as in Exhibit 6(b) are due to rounding

NEWFOUNDLAND AND LABRADOR HYDRO
Generation Expansion Analysis - Labrador Interconnection Scenario
Labrador Power Purchases ($000)

		2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043
Average Rate Calculations:															
Muskrat Falls:															
a. Energy at Soldier's Pond (GWh)		3,102.6	3,180.5	3,258.1	3,335.8	3,413.5	3,483.4	3,545.0	3,482.4	3,548.5	3,618.0	3,680.2	3,741.8	3,803.6	3,865.3
b. Muskrat Falls rate ($/MWh)		112.66	114.92	117.22	119.56	121.95	124.39	126.88	129.42	132.00	134.64	137.34	140.08	142.89	145.74
c. Soldier's Pond rate ($/MWh) - Losses at:	5%	118.59	120.97	123.39	125.85	128.37	130.94	133.56	136.23	138.95	141.73	144.57	147.46	150.41	153.41
d. Cost ($000) (a x c) per Exhibit 6(b)		367,950	384,734	402,008	419,822	438,197	456,106	473,458	474,395	493,064	512,787	532,031	551,758	572,087	592,988
Other:															
a. Energy at Soldier's Pond (GWh)															
b. Source rate ($/MWh)															
c. Soldier's Pond rate ($/MWh) - Losses at:	5%														
d. Cost ($000) (a x c)															
Total energy at Soldier's Pond		3,102.6	3,180.5	3,258.1	3,335.8	3,413.5	3,483.4	3,545.0	3,482.4	3,548.5	3,618.0	3,680.2	3,741.8	3,803.6	3,865.3
Energy at source (GWh)	5%	3,265.9	3,347.9	3,429.6	3,511.4	3,593.2	3,666.7	3,731.6	3,665.7	3,735.2	3,808.4	3,873.9	3,938.8	4,003.8	4,068.7
Total cost		367,950	384,734	402,008	419,822	438,197	456,106	473,458	474,395	493,064	512,787	532,031	551,758	572,087	592,988
Average rate - Source		112.66	114.92	117.22	119.56	121.95	124.39	126.88	129.42	132.00	134.64	137.34	140.08	142.89	145.74
Average rate - Soldier's Pond - Losses at:	5%	118.59	120.97	123.39	125.85	128.37	130.94	133.56	136.23	138.95	141.73	144.57	147.45	150.41	153.41
Strategist Calculations:															
Energy at Soldier's Pond (GWh) - Strategist		3102.6	3180.5	3258.1	3335.8	3413.5	3483.4	3545.0	3482.4	3548.5	3618.0	3680.2	3741.8	3803.6	3865.3
Average rate - Soldier's Pond		118.59	120.97	123.39	125.85	128.37	130.94	133.56	136.23	138.95	141.73	144.57	147.45	150.41	153.41
Cost ($000)		367,935	384,741	402,021	419,821	438,191	456,103	473,464	474,409	493,048	512,769	532,041	551,742	572,104	592,973
Labrador Power Purchases per MHI-Nalcor-1		367,924	384,730	402,009	419,808	438,178	456,090	473,450	474,395	493,033	512,754	532,025	551,725	572,087	592,955

Notes:
1. Difference in annual energy and revenue in this Exhibit as well as in Ex

NEWFOUNDLAND AND LABRADOR HYDRO
Generation Expansion Analysis - Labrador Interconnection Scenario
Labrador Power Purchases ($000)

		2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057
Average Rate Calculations:															
Muskrat Falls:															
a. Energy at Soldier's Pond (GWh)		3,927.3	3,988.9	4,050.7	4,111.8	4,173.5	4,235.1	4,289.0	4,342.7	4,396.3	4,450.0	4,499.9	4,549.7	4,599.6	4,629.4
b. Muskrat Falls rate ($/MWh)		148.66	151.63	154.66	157.76	160.91	164.13	167.41	170.76	174.18	177.66	181.21	184.84	188.53	192.31
c. Soldier's Pond rate ($/MWh) - Losses at:	5%	156.48	159.61	162.80	166.06	169.38	172.77	176.22	179.75	183.34	187.01	190.75	194.57	198.46	202.43
d. Cost ($000) (a x c) per Exhibit 6(b)		614,549	636,677	659,468	682,807	706,915	731,704	755,830	780,595	806,039	832,197	858,354	885,209	912,830	937,105
Other:															
a. Energy at Soldier's Pond (GWh)															20.0
b. Source rate ($/MWh)															2.00
c. Soldier's Pond rate ($/MWh) - Losses at:	5%														2.11
d. Cost ($000) (a x c)															42
Total energy at Soldier's Pond		3,927.3	3,988.9	4,050.7	4,111.8	4,173.5	4,235.1	4,289.0	4,342.7	4,396.3	4,450.0	4,499.9	4,549.7	4,599.6	4,649.4
Energy at source (GWh)	5%	4,134.0	4,198.8	4,263.9	4,328.2	4,393.2	4,458.0	4,514.7	4,571.3	4,627.7	4,684.2	4,736.7	4,789.1	4,841.7	4,894.1
Total cost		614,549	636,677	659,468	682,807	706,915	731,704	755,830	780,595	806,039	832,197	858,354	885,209	912,830	937,147
Average rate - Source		148.66	151.63	154.66	157.76	160.91	164.13	167.41	170.76	174.18	177.66	181.21	184.84	188.53	191.49
Average rate - Soldier's Pond - Losses at:	5%	156.48	159.61	162.80	166.06	169.38	172.77	176.22	179.75	183.35	187.01	190.75	194.57	198.45	201.57
Strategist Calculations:															
Energy at Soldier's Pond (GWh) - Strategist		3927.3	3988.9	4050.7	4111.8	4173.5	4235.1	4289.0	4342.7	4396.3	4450.0	4499.9	4549.7	4599.6	4649.4
Average rate - Soldier's Pond		156.48	159.61	162.80	166.06	169.38	172.77	176.22	179.75	183.35	187.01	190.75	194.57	198.45	201.57
Cost ($000)		614,555	636,671	659,450	682,818	706,903	731,699	755,813	780,587	806,053	832,194	858,335	885,218	912,806	937,165
Labrador Power Purchases per MHI-Nalcor-1		614,537	636,652	659,430	682,797	706,882	731,678	755,791	780,563	806,029	832,169	858,310	885,192	912,779	937,137

Notes:
1. Difference in annual energy and revenue in this Exhibit as well as in Ex

NEWFOUNDLAND AND LABRADOR HYDRO
Generation Expansion Analysis - Labrador Interconnection Scenario
Labrador Power Purchases ($000)

		2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Average Rate Calculations:											
Muskrat Falls:											
a. Energy at Soldier's Pond (GWh)		4,629.4	4,629.4	4,629.4	4,629.4	4,629.4	4,629.4	4,629.4	4,629.4	4,629.4	4,629.4
b. Muskrat Falls rate ($/MWh)		196.15	200.07	204.08	208.16	212.32	216.57	220.90	225.32	229.82	234.42
c. Soldier's Pond rate ($/MWh) - Losses at:	5%	206.48	210.60	214.82	219.11	223.50	227.97	232.52	237.18	241.92	246.76
d. Cost ($000) (a x c) per Exhibit 6(b)		955,847	974,964	994,463	1,014,353	1,034,640	1,055,332	1,076,439	1,097,968	1,119,927	1,142,326
Other:											
a. Energy at Soldier's Pond (GWh)		69.4	119.0	168.9	218.0	267.5	316.9	366.6	411.5	451.7	490.6
b. Source rate ($/MWh)		2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
c. Soldier's Pond rate ($/MWh) - Losses at:	5%	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11
d. Cost ($000) (a x c)		146	251	356	459	563	667	772	866	951	1,033
Total energy at Soldier's Pond		4,698.7	4,748.4	4,798.3	4,847.4	4,896.9	4,946.3	4,996.0	5,040.9	5,081.1	5,120.0
Energy at source (GWh)	5%	4,946.0	4,998.3	5,050.8	5,102.5	5,154.6	5,206.6	5,258.9	5,306.2	5,348.5	5,389.5
Total cost		955,993	975,215	994,819	1,014,812	1,035,203	1,056,000	1,077,211	1,098,834	1,120,878	1,143,359
Average rate - Source		193.28	195.11	196.96	198.88	200.83	202.82	204.84	207.09	209.57	212.15
Average rate - Soldier's Pond - Losses at:	5%	203.45	205.38	207.33	209.35	211.40	213.49	215.62	217.99	220.60	223.32
Strategist Calculations:											
Energy at Soldier's Pond (GWh) - Strategist		4698.7	4748.4	4798.3	4847.4	4896.9	4946.3	4996.0	5041.0	5082.7	5121.2
Average rate - Soldier's Pond		203.45	205.38	207.33	209.35	211.40	213.49	215.62	217.99	220.60	223.32
Cost ($000)		955,969	975,215	994,812	1,014,790	1,035,203	1,056,009	1,077,235	1,098,892	1,121,250	1,143,645
Labrador Power Purchases per MHI-Nalcor-1		955,940	975,186	994,783	1,014,760	1,035,173	1,055,977	1,077,203	1,098,859	1,121,216	1,143,611

Notes:

1. Difference in annual energy and revenue in this Exhibit as well as in Ex