

1 Q. Indicate annual functionalized cost of service for each of the generation
2 sources (hydraulic, No. 6 fuel, gas turbine fuel, power purchases from NUGs,
3 power purchases from non-NUGs) and for transmission, based on COSS for
4 the Island Interconnected System, showing separately for each generation
5 source and for transmission (where this is separate): fuel expenses, O&M,
6 depreciation, expense credits, disposal gain/loss, return on debt and return
7 on equity. Indicate classified generation and transmission costs (Production
8 Demand, Production and Transmission Energy, Transmission Demand)
9 separately for each fuel source and for transmission.

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12 A. The attached analysis has been prepared on the basis of Exhibit RDG-1,
13 filed in May 2003.

NEWFOUNDLAND AND LABRADOR HYDRO
2004 Forecast Cost of Service
Functional Summary

IC-13 (Rev.) NLH
2003 NLH General Rate Application
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	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
	Oper. & Maintenance	Fuels	Purchased Power	Depreciation	Expense Credits	Return on Rate Base Debt	Equity	Gain/Loss Disposal	Total	Demand Ratio	Demand Costs	Energy Costs	Rural Gen / Transmsn	Spec Assigned
1 ISLAND INTERCONNECTED														
2 Generation:														
3 Other Hydraulic	15,923,639			5,742,461	(83,480)	61,244,145	11,212,623	322,941	94,362,328	42.10%	39,728,104	54,634,224		
4 GNP Hydraulic	23,968			8,426	(126)	13,880	0	69	46,218	0.00%	0	0	46,218	
5 Transmission Lines - Hydraulic	1,629,528			461,175	(8,526)	3,797,341	695,220	20,028	6,594,766	42.10%	2,776,506	3,818,260		
6 Terminal Stations - Hydraulic	1,349,127			1,028,826	(7,069)	1,664,818	304,796	8,752	4,349,251	42.10%	1,831,107	2,518,144		
7 Hydraulic	18,926,264			7,240,889	(99,201)	66,720,184	12,212,639	351,790	105,352,563		44,335,716	60,970,629	46,218	0
8 Holyrood	25,112,379			5,925,395	(132,055)	4,805,265	879,751	24,665	36,615,400	57.72%	21,134,409	15,480,991		
9 Terminal Stations	479,797			403,313	(2,514)	378,050	69,214	1,972	1,329,831	57.72%	767,578	562,252		
10 Holyrood Fuel		84,819,538				846,971	155,064		85,821,573	0.00%	0	85,821,573		
11 Holyrood	25,592,175	84,819,538	0	6,328,708	(134,569)	6,030,286	1,104,029	26,637	123,766,804		21,901,987	101,864,817	0	0
12 Gas Turbines	1,343,012			223,484	(7,009)	227,261	41,607	1,116	1,829,472	100.00%	1,829,472	0		
13 Terminal Stations - Gas Tur	18,419			12,758	(97)	22,680	4,152	119	58,032	100.00%	58,032	0		
14 Gas Turbines Fuel		265,277				56,855	10,409		332,541	100.00%	332,541	0		
15 Gas Turbines	1,361,431	265,277	0	236,242	(7,105)	306,796	56,169	1,236	2,220,045		2,220,045	0	0	0
16 Diesel	723,565			186,100	(3,789)	113,508	0	573	1,019,957	0.00%	0	0	1,019,957	
17 Terminal Stations - Diesel	38,540			7,772	(202)	54,912	0	289	101,310	0.00%	0	0	101,310	
18 Distribution Substns - Diesel	111,114			52,780	(583)	59,974	0	314	223,599	0.00%	0	0	223,599	
19 Diesel Fuel		54,612				3,442	0		58,054	0.00%	0	0	58,054	
20 Diesel	873,218	54,612	0	246,652	(4,573)	231,836	0	1,176	1,402,920		0	0	1,402,920	0
21 Feasibility Studies	26			30,000	0	9,371	1,716	49	41,163	100.00%	41,163	0		
22 Purchased Power	0	29,501,629		0	0	0	0	0	29,501,629	42.10%	12,420,675	17,080,954		
23 Subtotal Generation	46,753,115	85,139,427	29,501,629	14,082,490	(245,449)	73,298,473	13,374,552	380,887	262,285,125		80,919,587	179,916,400	1,449,138	0
24 Transmission:														
25 Lines	4,987,382			3,231,098	(26,096)	10,001,343	1,831,053	52,662	20,077,441	100%	20,077,441	0		
26 Specifically Assigned - Lines	161,264			252,162	(844)	283,768	51,953	1,492	749,795					749,795
27 Terminal Stations	2,855,117			2,747,131	(14,960)	3,188,302	583,717	16,737	9,376,044	100%	9,376,044	0		
28 Specifically Assigned - Term Stns	642,249			588,725	(3,365)	624,505	114,335	3,271	1,969,720					1,969,720
29 Rural Transmission - Lines	2,614,762		426,701	1,915,186	(13,682)	4,669,154	0	24,549	9,636,671					
30 Rural Transmission - Stations	957,683			320,874	(5,018)	1,321,539	0	6,957	2,602,036					
31 Subtotal Rural Transmission	3,572,445	0	426,701	2,236,060	(18,700)	5,990,694	0	31,507	12,238,707	100%	0	0	12,238,707	0
32 Feasibility Studies	20			56,129	(0)	7,240	1,325	38	64,752	100%	64,752	0		
33 Wheeling Revenues	0			0	(70,964)	0	0	0	(70,964)	100%	(70,964)	0		
34 Subtotal Transmission	12,218,477	0	426,701	9,111,305	(134,929)	20,095,852	2,582,383	105,707	44,405,495		29,447,273	0	12,238,707	2,719,515
35 Subtotal Generation & Transmsn	58,971,592	85,139,427	29,928,330	23,193,795	(380,378)	93,394,326	15,956,935	486,594	306,690,620		110,366,860	179,916,400	13,687,845	2,719,515
36 Distribution	10,007,338	0	0	4,338,510	(988,767)	5,327,504	0	27,870	18,712,454					0
37 Subtotal Generation, Trans & Dist	68,978,929	85,139,427	29,928,330	27,532,305	(1,369,145)	98,721,829	15,956,935	514,463	325,403,074					2,719,515
38 Customer Accounting	2,179,052			343,784	(30,920)	181,648	0	947	2,674,510					
39 General Plant														
40 General Plant	0			0	0	0	0	0	0					
41 Telecontrol Common	0			0	0	0	0	0	0					
42 Feasibility Studies	0			0	0	0	0	0	0					
43 Software General	0			0	0	0	0	0	0					
44 Telecontrol Specific	104			8,910	(1)	6,204	1,136	33	16,385					16,385
45	104	0	0	8,910	(1)	6,204	1,136	33	16,385					16,385
46 Revenue-Related	1,302,737				(6,703)				1,296,034					
47 TOTAL ISLAND INTERCONNECTED	72,460,822	85,139,427	29,928,330	27,884,999	(1,406,769)	98,909,681	15,958,071	515,443	329,390,003					2,735,900