

1 Q. **Cost of Service**

2 Please update Hydro's response IC-NLH-91 from the 2013 Amended GRA.

3

4

5 A. IC-NLH-091 from the 2013 GRA requested an update of IC-NLH-049 from the 2006
6 GRA which reads:

7 *"Please provide a "one page" summary of the functionalized COS*
8 *information from the 2007 COS (similar to IC-13(Rev) NLH from the*
9 *2003 General Rate Application)."*

10

11 Please refer to IC-NLH-109, Attachment 1 for a one page summary of the
12 functionalized cost of service information from the 2019 Test Year Cost of Service
13 Study for the Island Interconnected System.

NEWFOUNDLAND AND LABRADOR HYDRO
2019 Test Year Cost of Service Study
Functional Summary

	(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
ISLAND INTERCONNECTED														
Generation:														
Other Hydraulic	25,264,868			20,666,530	(130,990)	32,227,985	13,089,359	0	91,117,752	45.20%	41,183,015	49,934,737		
GNP Hydraulic	48,936			22,708	(254)	32,519	13,207	0	117,117	45.20%	52,934	64,183	0	
Transmission Lines - Hydraulic	0			0	0	0	0	0	0	45.20%	0	0		
Terminal Stations - Hydraulic	1,270,338			1,127,780	(6,436)	1,341,350	544,788	0	4,277,819	45.20%	1,933,471	2,344,349		
Hydraulic	26,584,142			21,817,019	(137,680)	33,601,854	13,647,354	0	95,512,688		43,169,419	52,343,269	0	0
Holyrood	31,466,370			21,040,277	(53,262)	4,858,936	1,973,451	0	59,285,774	69.56%	41,239,184	18,046,590		
Terminal Stations	405,003			284,090	(2,052)	374,114	151,946	0	1,213,100	69.56%	843,832	369,268		
Holyrood Fuel		221,114,563				2,675,207	1,086,532		224,876,303	0.00%	0	224,876,303		
Holyrood	31,871,373	221,114,563	0	21,324,367	(55,314)	7,908,257	3,211,930	0	285,375,176		42,083,017	243,292,160	0	0
Gas Turbines	14,044,382			6,462,653	(29,640)	6,744,777	2,739,383	0	29,961,556	100.00%	29,961,556	0		
Terminal Stations - Gas Tur	20,479			9,307	(104)	31,805	12,917	0	74,405	100.00%	74,405	0		
Gas Turbines Fuel		12,632,138				198,554	80,643		12,911,335	45.20%	5,835,610	7,075,725		
Gas Turbines	14,064,861	12,632,138	0	6,471,960	(29,743)	6,975,136	2,832,943	0	42,947,295		35,871,571	7,075,725	0	0
Diesel	599,420			131,378	(1,403)	126,479	51,369	0	907,243	100.00%	907,243	0		0
Terminal Stations - Diesel	0			0	0	0	0	0	0	100.00%	0	0		0
Distribution Substns - Diesel	0			0	0	0	0	0	0	100.00%	0	0		0
Diesel Fuel		138,012				15,030	6,105		159,147	45.20%	71,930	87,216		0
Diesel	599,420	138,012	0	131,378	(1,403)	141,509	57,474	0	1,066,390		979,173	87,216	0	0
Feasibility Studies	1			118,092	0	414	168	0	118,674	100.00%	118,674	0		
Purchased Power Wind			14,162,565						14,162,565	0.00%	0	14,162,565		
Purchased Power Other NUGS	0		43,992,714	0	0	0	0	0	43,992,714	45.20%	19,883,640	24,109,074		
Purchased Power - Interruptible			3,130,400						3,130,400			0		
Subtotal Generation	73,119,797	233,884,713	61,285,679	49,862,815	(224,140)	48,627,170	19,749,869	0	486,305,903		145,235,894	341,070,009	0	0
Transmission:														
Lines Network	7,905,088			12,650,822	(69,367)	17,955,651	7,292,667	0	45,734,860	100%	45,734,860	0		
Lines Export	0			0	0	0	0	0	0	100%	0	0		
Specifically Assigned - Lines	551,047			717,064	(4,835)	668,647	271,570	0	2,203,492					2,203,492
Terminal Stations Network	6,104,157			5,261,685	(30,928)	7,715,264	3,133,546	0	22,183,724	100%	22,183,724	0		
Terminal Stations Export	0			0	0	0	0	0	0	100%	0	0		
Specifically Assigned - Term Stns	1,021,812			725,122	(5,177)	969,936	393,938	0	3,105,632					3,105,632
Rural Transmission - Lines	1,548,599		769,061	2,274,835	(13,589)	2,416,521	981,467	0	7,976,894					
Rural Transmission - Stations	638,123			586,930	(3,233)	609,653	247,610	0	2,079,083					
Subtotal Rural Transmission	2,186,722	0	769,061	2,861,765	(16,822)	3,026,174	1,229,077	0	10,055,977	100%	0	0	10,055,977	0
Feasibility Studies	0			0	0	0	0	0	0	100%	0	0		
Wheeling Revenues	0			0	0	0	0	0	0	100%	0	0		
Subtotal Transmission	17,768,827	0	769,061	22,216,458	(127,130)	30,335,672	12,320,798	0	83,283,685		67,918,585	0	10,055,977	5,309,124
Subtotal Generation & Transmsn	90,888,624	233,884,713	62,054,740	72,079,273	(351,271)	78,962,842	32,070,667	0	569,589,588		213,154,479	341,070,009	10,055,977	5,309,124
Distribution	12,685,819	0	0	7,501,367	(1,186,115)	5,611,235	2,278,997	0	26,891,302					0
Subtotal Generation, Trans & Dist	103,574,443	233,884,713	62,054,740	79,580,641	(1,537,386)	84,574,077	34,349,663	0	596,480,891					5,309,124
Customer Accounting	3,225,277			200,461	(13,540)	128,207	52,071	0	3,592,476					
General Plant														
General Plant	0			0	0	0	0	0	0					
Telecontrol Common	0			118,423	0	66,570	27,037	0	212,031					
Feasibility Studies	0			0	0	0	0	0	0					
Software General	0			0	0	0	0	0	0					
Telecontrol Specific	0			0	0	0	0	0	0					0
	0	0	0	118,423	0	66,570	27,037	0	212,031					0
Revenue-Related	2,353,292				(978)				2,352,314					
TOTAL ISLAND INTERCONNECTED	109,153,012	233,884,713	62,054,740	79,899,525	(1,551,903)	84,768,854	34,428,772	0	602,637,711					5,309,124