

1 **Q. Re: IN-NLH-055, IN-NLH-056 and IC-NLH-030**

2 Hydro declined to break down the amounts for Plant in Service in Exhibit 13,
3 Schedule 2.2E between Labrador East and Labrador West, stating:
4 “Board Order No. P.U. 14(2004) ruled that there will be a single cost of service
5 study for the Labrador Interconnected System. As a result, Hydro does not track its
6 detailed cost records on a basis that would provide information separately for
7 Labrador East and Labrador West.”

8 However, Load Forecasts and Loss Rates (e.g., IC-NLH-030 page 2 and 6 of 10) do
9 distinguish between these regions.

10 Please explain to what extent and at what level of detail Hydro is able to distinguish
11 between investments in Lab East and Lab West, and present the plant additions on
12 this basis.

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14
15 **A.** While Hydro does not track all assets by location, Hydro can distinguish certain
16 investments in Labrador East and Labrador West by the location code. However,
17 assets such as transformers, primary conductor, secondary conductor and pole
18 hardware have not been allocated to a specific location within a system and are
19 therefore classified as unallocated for the purpose of this response. Please see IN-
20 NLH-186 Attachment 1.

Labrador Interconnected Distribution Assets (\$)
Comparison of 2007 to 2013 (based on Schedule 2.2E Test year Cost of Service - average original cost)

Function	Unit of Property	2007 Labrador East	2007 Labrador West	2007 Unallocated	2007 Total	2013 Labrador East	2013 Labrador West	2013 Unallocated	2013 Total	Variance Labrador East	Variance Labrador West	Variance Unallocated	Variance Total
CLASS - SUBSTATIONS													
<i>310 - Distribution Substations</i>													
	B01-Battery & Power Systems	0	48,965	0	48,965	0	48,965	0	48,965	0	0	0	0
	B06-Buildings - Metal	0	0	0	0	0	0	0	0	(0)	0	0	(0)
	B08-Buswork & Hardware	136,023	171,627	0	307,650	136,023	160,502	0	296,526	0	(11,125)	0	(11,125)
	C04-Cables - Above Ground	101,646	199,806	0	301,452	101,646	199,806	0	301,452	0	0	0	0
	C09-Circuit Breakers	204,765	72,669	0	277,434	204,765	36,335	0	241,099	0	(36,335)	0	(36,335)
	C14-Conductor - Distribution	830	0	0	830	830	0	0	830	0	0	0	0
	C15-Control, Meter / Relaying	54,905	124,196	0	179,100	54,905	118,539	0	173,444	0	(5,656)	0	(5,656)
	D03-Disconnect Switches	65,551	362,841	0	428,392	107,680	362,841	0	470,520	42,128	0	0	42,128
	F02-Fencing	46,607	99,625	0	146,232	46,607	86,840	0	133,448	0	(12,784)	0	(12,784)
	F04-Footings & Foundations	9,936	137,451	0	147,387	9,936	68,726	0	78,661	0	(68,725)	0	(68,725)
	G07-Ground Wire System	74,090	63,469	0	137,559	74,090	63,469	0	137,559	0	0	0	0
	I02-Instrumentation	0	93,361	0	93,361	0	0	0	0	0	(93,361)	0	(93,361)
	I03-Insulators	27,641	0	0	27,641	27,641	0	0	27,641	0	0	0	0
	L02-Land Acquisitions	0	59,794	0	59,794	0	59,794	0	59,794	0	0	0	0
	L03-Land Improvements	45,929	80,579	0	126,508	45,929	198,443	0	244,372	0	117,864	0	117,864
	L04-Lighting Systems	0	18,608	0	18,608	0	18,608	0	18,608	0	0	0	0
	L05-Lightning Arrestors	0	0	0	0	0	0	0	0	(0)	0	0	(0)
	M03-MetalClad Switchgear cub/Equ 4kv/600v	0	555,750	0	555,750	0	555,750	0	555,750	0	0	0	0
	M10-Misc Units of Prop	0	660,325	0	660,325	0	542,461	0	542,461	0	(117,864)	0	(117,864)
	P04-Pole Crips & Pole Hardware	100,356	44,902	0	145,258	98,984	70,379	0	169,363	(1,372)	25,477	0	24,105
	P07-Poles - Wood	8,214	18,007	0	26,221	8,214	18,007	0	26,220	(0)	0	0	(0)
	P12-Protective Control & Relay Panels	0	0	0	0	0	93,361	0	93,361	0	93,361	0	93,361
	R08-Reclosers	118,276	286,919	0	405,195	326,315	928,919	0	1,255,234	208,039	642,000	0	850,039
	R09-Regulators	92	0	0	92	6,362	0	0	6,362	6,270	0	0	6,270
	R13-Roads	0	7,809	0	7,809	0	7,809	0	7,809	0	0	0	0
	S10-Station Service	0	42,122	0	42,122	0	42,123	0	42,123	0	0	0	0
	S14-Street Lights	1,443	0	0	1,443	1,443	0	0	1,443	0	0	0	0
	S15-Structural Supports (Wood or Steel)	0	228,246	0	228,246	0	228,246	0	228,246	0	0	0	0
	S19-Station Switching	0	688,304	0	688,304	0	688,304	0	688,304	0	0	0	0
	S20-Switching Systems - L.V.	0	25,477	0	25,477	0	0	0	0	0	(25,477)	0	(25,477)
	T05-Transformers - Other	110,876	947,736	0	1,058,612	110,876	770,479	0	881,355	0	(177,257)	0	(177,257)
	T06-Transformers - Pad Mount	37,095	4,507	0	41,603	107,335	4,507	0	111,842	70,240	0	0	70,240
	T07-Transformers - Pole Mounted	12,881	0	0	12,881	12,881	0	0	12,881	0	(0)	0	(0)
Total Distribution Substations		1,157,156	5,043,093	0	6,200,250	1,482,461	5,373,212	0	6,855,672	325,304	330,118	0	655,423

Labrador Interconnected Distribution Assets

Comparison of 2007 to 2013 (based on Schedule 2.2E Test year Cost of Service - average original cost)

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Function	Unit of Property	2007 Labrador East	2007 Labrador West	2007 Unallocated	2007 Total	2013 Labrador East	2013 Labrador West	2013 Unallocated	2013 Total	Variance Labrador East	Variance Labrador West	Variance Unallocated	Variance Total
CLASS - DISTRIBUTION													
<i>330 - Distribution Primary</i>													
	D03-Disconnect Switches	0	0	0	0	0	34,535	0	34,535	0	34,535	0	34,535
	R08-Reclosers	129,755	45,172	0	174,927	43,202	64,209	0	107,411	(86,553)	19,036	0	(67,516)
	Total Distribution Primary	129,755	45,172	0	174,927	43,202	98,743	0	141,945	(86,553)	53,571	0	(32,982)
<i>340 - Distribution Transformers</i>													
	T07-Transformers - Pole Mounted	0	0	0	0	0	40,945	0	40,945	0	40,945	0	40,945
	Total Distribution Transformers	0	0	0	0	0	40,945	0	40,945	0	40,945	0	40,945
<i>390 - Poles</i>													
	P04-Pole Cries & Pole Hardware	0	0	0	0	0	69,750	0	69,750	0	69,750	0	69,750
	P07-Poles - Wood	0	0	0	0	0	20,725	0	20,725	0	20,725	0	20,725
	S15-Structural Supports (Wood or Steel)	0	0	0	0	0	4,568	0	4,568	0	4,568	0	4,568
	Total Poles	0	0	0	0	0	95,043	0	95,043	0	95,043	0	95,043
<i>310 - Distribution Substations</i>													
	R09-Regulators	0	0	0	0	145,487	0	0	145,487	145,487	0	0	145,487
	S20-Switching Systems - L.V.	0	0	0	0	1,069	0	0	1,069	1,069	0	0	1,069
	T07-Transformers - Pole Mounted	0	0	0	0	0	59,344	0	59,344	0	59,344	0	59,344
	Total Distribution Substations	0	0	0	0	146,556	59,344	0	205,900	146,556	59,344	0	205,900
<i>320 - Distribution Submarine Cables</i>													
	C02-Cable - Submarine	475,797	0	0	475,797	580,078	0	0	580,078	104,281	0	0	104,281
	C03-Cables - Under Ground	40,030	0	0	40,030	40,030	0	0	40,030	0	0	0	0
	Total Distribution Submarine Cables	515,827	0	0	515,827	620,108	0	0	620,108	104,281	0	0	104,281
<i>330 - Distribution Primary</i>													
	C04-Cables - Above Ground	42,975	0	0	42,975	56,287	0	0	56,287	13,311	0	0	13,311
	C06-Capictors	0	0	0	0	0	9,531	0	9,531	0	9,531	0	9,531
	C13-Conductor - Transmission	269,514	0	0	269,514	269,514	0	0	269,514	0	0	0	0
	C14-Conductor - Distribution	1,404,077	738,417	6,205	2,148,700	1,595,639	740,921	123,995	2,460,555	191,562	2,503	117,789	311,855
	D03-Disconnect Switches	56,140	165,455	0	221,595	84,717	199,440	0	284,157	28,577	33,984	0	62,562
	F04-Footings & Foundations	13,199	0	0	13,199	12,735	0	0	12,735	(464)	0	0	(464)
	I03-Insulators	0	49,297	0	49,297	0	49,297	0	49,297	0	0	0	0
	P04-Pole Cries & Pole Hardware	12,033	45,263	0	57,296	0	62,808	0	62,808	(12,033)	17,545	0	5,512
	P05-Pole Structures - Wood	98,038	0	0	98,038	98,038	0	0	98,038	0	0	0	0
	R08-Reclosers	33,290	29,899	0	63,190	59,080	29,899	0	88,979	25,790	0	0	25,790
	R09-Regulators	25,762	0	0	25,762	87,740	0	0	87,740	61,979	0	0	61,979
	R12-Right - of - Ways	208,146	0	0	208,146	0	0	0	0	(208,146)	0	0	(208,146)
	S02-Sectionalizers	0	0	0	0	2,634	0	0	2,634	2,634	0	0	2,634
	S15-Structural Supports (Wood or Steel)	35,914	35,972	0	71,886	65,335	46,726	0	112,061	29,421	10,755	0	40,175
	S20-Switching Systems - L.V.	0	0	0	0	1,069	0	0	1,069	1,069	0	0	1,069
	T05-Transformers	0	9,531	0	9,531	0	0	0	0	0	(9,531)	0	(9,531)
	T07-Transformers - Pole Mounted	0	0	0	0	0	0	265,600	265,600	0	0	265,600	265,600

Labrador Interconnected Distribution Assets

Comparison of 2007 to 2013 (based on Schedule 2.2E Test year Cost of Service - average original cost)

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Function	Unit of Property	2007 Labrador East	2007 Labrador West	2007 Unallocated	2007 Total	2013 Labrador East	2013 Labrador West	2013 Unallocated	2013 Total	Variance Labrador East	Variance Labrador West	Variance Unallocated	Variance Total
CLASS - DISTRIBUTION (cont'd)													
Total Distribution Primary		2,199,087	1,073,835	6,205	3,279,127	2,332,787	1,138,622	389,595	3,861,004	133,700	64,787	383,389	581,876
<i>340 - Distribution Transformers</i>													
	M10-Misc Units of Prop	0	44,813	0	44,813	0	0	0	0	0	(44,813)	0	(44,813)
	P04-Pole Cribbs & Pole Hardware	0	0	0	0	8,083	0	0	8,083	8,083	0	0	8,083
	S15-Structural Supports (Wood or Steel)	0	0	0	0	3,541	20,345	0	23,886	3,541	20,345	0	23,886
	T05-Transformers - Other	0	0	0	0	3,096	3,830	0	6,926	3,096	3,830	0	6,926
	T06-Transformers - Pad Mount	172,935	112,991	0	285,927	447,498	345,232	0	792,730	274,562	232,241	0	506,803
	T07-Transformers - Pole Mounted	2,469,892	1,892,666	0	4,362,559	3,442,982	3,322,324	45,968	6,811,274	973,090	1,429,657	45,968	2,448,715
Total Distribution Transformers		2,642,828	2,050,471	0	4,693,298	3,905,200	3,691,731	45,968	7,642,900	1,262,372	1,641,261	45,968	2,949,601
<i>350 - Distribution Secondary</i>													
	C04-Cables - Above Ground	0	0	0	0	20,798	0	0	20,798	20,798	0	0	20,798
	C14-Conductor - Distribution	408,858	435,810	5,495	850,163	413,073	433,166	82,119	928,358	4,215	(2,645)	76,624	78,195
	R09-Regulators	0	0	0	0	0	4,700,150	0	4,700,150	0	4,700,150	0	4,700,150
	T07-Transformers - Pole Mounted	0	0	0	0	0	0	132,800	132,800	0	0	132,800	132,800
Total Distribution Secondary		408,858	435,810	5,495	850,163	433,871	5,133,316	214,919	5,782,106	25,013	4,697,505	209,424	4,931,943
<i>370 - Distribution Services</i>													
	C04-Cables - Above Ground	0	0	0	0	6,261	0	0	6,261	6,261	0	0	6,261
	C14-Conductor - Distribution	891,644	760,640	11,682	1,663,966	765,307	642,697	362,317	1,770,321	(126,337)	(117,943)	350,635	106,354
	T07-Transformers - Pole Mounted	0	0	0	0	0	0	332,000	332,000	0	0	332,000	332,000
Total Distribution Services		891,644	760,640	11,682	1,663,966	771,568	642,697	694,317	2,108,581	(120,077)	(117,943)	682,635	444,615
<i>380 - Distribution Street Light</i>													
	S14-Street Lights	358,613	153,560	2,162	514,336	447,606	212,257	60,837	720,699	88,993	58,696	58,674	206,363
Total Distribution Street Lights		358,613	153,560	2,162	514,336	447,606	212,257	60,837	720,699	88,993	58,696	58,674	206,363
<i>390 - Poles</i>													
	F02-Fencing	15,399	0	0	15,399	0	0	0	0	(15,399)	0	0	(15,399)
	G07-Ground Wire System	0	1,314	0	1,314	0	1,314	0	1,314	0	0	0	0
	L03-Land Improvements	56,296	0	0	56,296	0	0	0	0	(56,296)	0	0	(56,296)
	P04-Pole Cribbs & Pole Hardware	3,496,240	3,438,635	684,114	7,618,990	3,518,129	3,364,766	9,586,415	16,469,310	21,888	(73,870)	8,902,301	8,850,320
	P05-Pole Structures - Wood	57,202	0	0	57,202	57,202	0	0	57,202	0	0	0	0
	P06-Poles - Concrete	8,731	4,244	0	12,975	8,731	4,244	0	12,975	0	0	0	0
	P07-Poles - Wood	3,247,865	2,066,806	907,595	6,222,266	4,312,788	2,575,987	1,829,750	8,718,525	1,064,923	509,181	922,155	2,496,259
	R12-Right - of - Ways	33,323	148,474	36,246	218,043	0	34,710	1,025	35,735	(33,323)	(113,764)	(35,222)	(182,309)
	R13-Roads	4,148	0	0	4,148	0	0	0	0	(4,148)	0	0	(4,148)
	S14-Street Lights	0	3,889	0	3,889	0	0	0	0	0	(3,889)	0	(3,889)
	S15-Structural Supports (Wood or Steel)	0	0	0	0	0	3,203	0	3,203	0	3,203	0	3,203
	T04-Towers	0	0	0	0	0	23,416	0	23,416	0	23,416	0	23,416
	T07-Transformers - Pole Mounted	0	0	0	0	0	0	265,600	265,600	0	0	265,600	265,600
Total Poles		6,919,205	5,663,363	1,627,955	14,210,523	7,896,850	6,007,640	11,682,790	25,587,280	977,645	344,277	10,054,834	11,376,757

Asset Function	Unit of Property	2007	2007	2007	2007	2013	2013	2013	2013	Variance	Variance	Variance	Variance
		Labrador East	Labrador West	Unallocated	Total	Labrador East	Labrador West	Unallocated	Total	Labrador East	Labrador West	Unallocated	Total
CLASS - DISTRIBUTION (cont'd)													
<i>395 - Distn-Land/Land Improvements</i>													
	F02-Fencing	0	0	0	0	10,287	0	0	10,287	10,287	0	0	10,287
	L03-Land Improvements	0	0	0	0	56,296	0	0	56,296	56,296	0	0	56,296
	R12-Right - of - Ways	0	0	0	0	416,995	101,944	72,049	590,989	416,995	101,944	72,049	590,989
	R13-Roads	0	0	0	0	4,148	0	0	4,148	4,148	0	0	4,148
	Total Distn- Land/Land Improvements	0	0	0	0	487,726	101,944	72,049	661,720	487,726	101,944	72,049	661,720
<i>Allocated meters</i>		0	0	1,169,581	1,169,581	0	0	1,965,694	1,965,694	0	0	796,114	796,114
Grand Total		15,222,972	15,225,946	2,823,081	33,271,998	18,567,934	22,595,494	15,126,170	56,289,597	3,344,962	7,369,549	12,303,089	23,017,599