

1 Q. **Re: NLH Evidence, Section 3.7.1.1, page 3.23**

2 Please provide a summary description of expected capital investments 2014-2018
3 for Labrador West (interconnected), Labrador East (interconnected), and for each of
4 the isolated Labrador systems.

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7 A. Please refer to IN-NLH-046 Attachment 1 for a listing of expected capital
8 investments (plant in-service) in Labrador for 2014 – 2017 broken down by cost of
9 service system. Hydro does not track its forecasted capital expenditures by system
10 in its records until the assets are forecasted to go in service. Capital investment in
11 this response has been provided on the basis of plant in-service.

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13 While forecasted cash flows are available for 2018 (as presented in the five-year
14 plan filed with Hydro's 2014 Capital Budget submission), Hydro has not performed
15 detailed analysis of the 2018 information including the calculation of plant in-
16 service, work in progress and depreciation and classification of work in progress
17 between systems. Therefore, detailed information by system for 2018 plant in-
18 service is not available at this time.

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20 Board Order No. P.U. 14(2004) ruled that there will be a single Cost of Service study
21 for the Labrador Interconnected System. As a result, Hydro does not track its
22 detailed records on a basis that would provide information separately for Labrador
23 East and Labrador West.

2014 - 2017 Expected Capital Investment (Plant In Service) - Labrador Systems

System	Description	2014	2015	2016	2017
		Total	Total	Total	Total
LIN	Labrador Interconnected	7,647,600	6,182,375	3,303,600	4,850,000
LSO	Labrador Isolated	12,385,965	10,296,132	18,548,400	21,365,000 *
LAL	L'Anse au Loup	2,475,000	0	763,500	0
Grand Total		22,508,565	16,478,507	22,615,500	26,215,000

* Investment in 2017 in Labrador Isolated due to the Mega Diesel Plant proposed for Port Hope Simpson.

2014

Labrador Interconnected

P01397	Service Extensions - Labrador	2,033,000
P01400	Distribution Upgrading Labrador	300,000
P02391	Upgrade Gas Turbine PLC - Happy Valley	1,190,000
P03473	Purchase Misc. Tools & Equipment - Labrador	23,000
P03475	Purchase 15 Ton Compression Tool & Dies - Happy Valley	11,300
P03476	Purchase 4 Battery Operated Presses	11,300
P03477	Purchase Temporary Portable Grounding Equipment	5,100
P03478	Purchase 24 Insulated Pole Cover-ups	7,200
P03494	Labrador City Voltage Conversion	4,064,400
P03501	FEED (Front End Engineering & Design) - Gas Turbines	2,300
Grand Total		7,647,600

Labrador Isolated

P01396	Service Extensions - Northern	364,965
P01397	Service Extensions - Labrador	1,067,000
P01399	Distribution Upgrading Northern	317,500
P01400	Distribution Upgrading Labrador	100,000
P02141	Upgrade Distribution System- Charlottetown L1, L2	392,800
P02358	Upgrade Distribution System St. Lewis	985,000
P02678	HPD-Additions to Accommodate Load Growth	5,730,200
P03087	Additions for Load - Nain	2,552,700
P03349	Construct Workshop	183,800
P03351	Upgrade Substation	641,200
P03474	Purchase Misc. Tools & Equipment - Labrador	23,000
P03504	FEED (Front End Engineering & Design)-Generation	27,800
Grand Total		12,385,965

L'Anse au Loup

P03086	Additions for Load - L'Anse au Loup	2,475,000
Grand Total		2,475,000

2015

Labrador Interconnected

P01512	North West River - Upgrade Distribution System	764,400
P02158	Service Extensions - Labrador	2,460,150
P02163	Upgrade Distribution System - Labrador	300,225
P02498	Install Diesel Automation and Charger System	208,900
P03543	Labrador City Voltage Conversion	2,448,700
Grand Total		6,182,375

Labrador Isolated

P00347	Nain - Install Intermediate Tank	145,900
P01774	Nain - Pole Replacement	304,000
P02156	Service Extensions - Northern	372,507
P02158	Service Extensions - Labrador	820,050
P02162	Upgrade Distribution Systems - Northern	325,000
P02163	Upgrade Distribution System - Labrador	100,075
P02377	Replace Unit 2037 - Mary's Harbour	1,137,300
P02519	Upgrade Unit 2044 - St Lewis	267,900
P02521	Replace Unit 2042 - Port Hope Simpson	1,448,600
P02545	Overhaul Diesel Engines - Various Locations	1,436,300
P03350	Install Fire Protection System	999,300
P03512	Additions to Accommodate Load Growth - Makkovik	86,200
P03513	Acquire Remote Diesel Plant Production Data	269,800
P03514	Inspect Fuel Storage Tanks	1,183,600
P03515	Purchase Accommodations Trailer - Postville & Makkovik	120,100

P03516	Perform Plant Improvements	500,000
P03517	Replace Programmable Logic Controllers - Various Sites	100,000
P03519	Replace Fuel Storage Tanks - Port Hope Simpson	229,500
P03520	Upgrade Ventilation - Charlottetown	50,000
P03521	Install Fire Protection Systems	100,000
P03522	Install New Generator on Unit 2029 - Makkovik	150,000
P03523	Increase Fuel Storage - Rigolet	150,000
Grand Total		10,296,132

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Grand Total	0
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2016

Labrador Interconnected

P02581	Service Extensions - Labrador	1,998,500
P02585	Distribution Upgrading - Labrador	205,000
P02643	Purchase Misc Tools and Equipment	43,200
P03237	Additions to Accommodate Load Growth Distribution System	1,056,900
Grand Total		3,303,600

Labrador Isolated

P01951	Install Fire Protection System	500,000
P02378	Replace Unit 254 - Paradise River	582,500
P02580	Service Extensions - Northern	592,000
P02581	Service Extensions - Labrador	856,500
P02584	Distribution Upgrading - Northern	399,000
P02585	Distribution Upgrading - Labrador	205,000
P03557	Purchase Accommodations Trailers - Postville	120,000
P03558	Perform Plant Improvements	1,700,000
P03561	Upgrade Lighting Systems - Cartwright & Hopedale	157,900
P03562	Upgrade Ventilation - Black Tickle	100,000
P03510	Labrador South Interconnection	13,135,500
P03563	Replace Human Machine Interface - Various Sites	200,000
Grand Total		18,548,400

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P02556	L'Anse au Loup Distribution Upgrade	763,500
Grand Total		763,500

2017

Labrador Interconnected

P02595	Upgrade Happy Valley	609,700
P02604	Conduct LIDAR Surveys-Various Sites	283,900
P03200	Service Extensions - Labrador	1,701,000
P03203	Distribution Upgrading- Labrador	210,000
P03287	Additions to Accommodate Load Growth	2,045,400
Grand Total		4,850,000

Labrador Isolated

P02359	Install Mobile Diesel Quick Connect/Disconnect	178,800
P02464	Construct Steel Storage Building	147,400
P02593	Black Tickle Distribution Upgrade	648,000
P02602	Replace Unit 2052 - Cartwright	1,290,000
P02676	Construct New Mega Diesel Plant - Port Hope Simpson	14,409,200
P03197	Overhaul Diesel Engines - Various Sites	1,503,600
P03199	Service Extensions - Northern	441,000
P03200	Service extensions - Labrador	729,000
P03202	Distribution Upgrading - Northern	408,000
P03203	Distribution Upgrading- Labrador	210,000
P03583	Install Fire Detection System - Norman Bay	100,000
P03592	Perform Plant Improvements	250,000
P03593	Replace Programmable Logic Controllers - Various Sites	250,000
P03602	Upgrade Ventilation - Various Isolated Sites	100,000
P03603	Install Fire Protection System	500,000
P03604	Replace Human - Machine Interface - Various Sites	200,000
Grand Total		21,365,000

L'Anse au Loup

Grand Total	0
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