

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 (Revision 1) for a listing of expected
8 capital investments (plant in-service) in Labrador for 2016 – 2018 broken down by
9 cost of service system. Hydro does not track its forecasted capital expenditures by
10 system in its records until the assets are forecasted to go in service. Capital
11 investment in this response has been provided on the basis of plant in-service.

12

13 While forecasted cash flows are available for 2019 (as presented in the five-year
14 plan filed with Hydro's 2015 Capital Budget submission), Hydro has not performed
15 detailed analysis of the 2019 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 2019 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.

2016 to 2018 Expected Capital Investment (Plant In Service) Labrador Systems

| System | Description | 2016 Total | 2017 Total | 2018 Total |
|--------------------|-------------------------|--------------------|-------------------|-------------------|
| LIN | Labrador Interconnected | 332,747,800 * | 2,706,700 | 2,679,000 |
| LSO | Labrador Isolated | 6,326,700 | 20,725,300 ** | 23,213,600 *** |
| LAL | L'Anse au Loup | 1,540,500 | 778,500 | - |
| Grand Total | | 340,615,000 | 24,210,500 | 25,892,600 |

* Investment in 2016 in Labrador Interconnected due to Labrador West Transmission Project.

** Investment in 2017 in Labrador Isolated due to Addition Load Growth - Labrador South Interconnection.

*** Investment in 2018 in Labrador Isolated due to Mega Diesel Plant proposed for Port Hope Simpson.

2016

Labrador Interconnected

| | | |
|--------------------|---|--------------------|
| P.02581 | Service Extensions - Labrador 2016 | 2,156,000 |
| P.02585 | Distribution Upgrading - Labrador 2016 | 230,000 |
| P.02643 | Purchase Misc Tools and Equipment-Labrador | 151,500 |
| P.03237 | Additions to Accommodate Load Growth Diesel System | 1,304,100 |
| P.03792 | Labrador West Transmission Project - Construction Phase | 328,692,100 |
| P.03861 | HVY-Install Diesel Automation & Charger System | 214,100 |
| Grand Total | | 332,747,800 |

Labrador Isolated

| | | |
|--------------------|--|------------------|
| P.02378 | Replace Unit 254 - PRV | 496,100 |
| P.02580 | Service Extensions - Northern 2016 | 178,800 |
| P.02581 | Service Extensions - Labrador 2016 | 924,000 |
| P.02584 | Distribution Upgrading - Northern 2016 | 357,000 |
| P.02585 | Distribution Upgrading - Labrador 2016 | 230,000 |
| P.03520 | Upgrade Ventilation - CHT | 493,200 |
| P.03557 | Purchase Accommodations Trailers - POV | 120,000 |
| P.03558 | Perform Plant Improvements as per FEED | 1,700,000 |
| P.03561 | Upgrade Lighting Systems - CTW,HPD | 157,900 |
| P.03780 | Install Disconnect Switches for Mobile Installations | 199,300 |
| P.03555 | Overhaul Diesel Engines - VAR | 1,470,400 |
| Grand Total | | 6,326,700 |

L'Anse au Loup

| | | |
|--------------------|--|------------------|
| P.02580 | Service Extensions - Northern 2016 | 193,700 |
| P.03782 | Install Fire Protection System - Lanse au Loup | 1,346,800 |
| Grand Total | | 1,540,500 |

2017

Labrador Interconnected

| | | |
|--------------------|----------------------------------|------------------|
| P.02595 | Upgrade Happy Valley | 609,700 |
| P.03200 | Service extensions Labrador | 1,862,000 |
| P.03203 | Distribution Upgrading- Labrador | 235,000 |
| Grand Total | | 2,706,700 |

Labrador Isolated

| | | |
|--------------------|---|-------------------|
| P.01951 | Install Fire Protection System | 500,000 |
| P.02359 | Install Mobile Diesel Quick Connect/Disconnect | 178,800 |
| P.02464 | Construct Steel Storage Building | 147,400 |
| P.02593 | Blacktickle Distribution Upgrade | 648,000 |
| P.02602 | Replace Unit 2052 - CTW | 1,290,000 |
| P.03197 | Overhaul Diesel Engines - VAR | 1,503,400 |
| P.03199 | Service Extensions Northern 2017 | 456,000 |
| P.03200 | Service extensions Labrador | 798,000 |
| P.03202 | Distribution Upgrading Northern | 366,000 |
| P.03203 | Distribution Upgrading- Labrador | 235,000 |
| P.03563 | Replace Human Machine Interface - VAR | 200,000 |
| P.03583 | NOB-Install Fire Detection System | 100,000 |
| P.03592 | Perform Plant Improvements as per FEED | 250,000 |
| P.03593 | Replace Programmable Logic Controllers - Various | 245,100 |
| P.03991 | Increase Generation Capacity-Postville | 397,100 |
| P.03875 | Addition Load Growth-Labrador South Interconnection | 13,410,500 |
| Grand Total | | 20,725,300 |

L'Anse au Loup

| | | |
|--------------------|------------------------------------|----------------|
| P.02556 | Lanse au Loup Distribution Upgrade | 778,500 |
| Grand Total | | 778,500 |

2018

Labrador Interconnected

| | | |
|--------------------|---|------------------|
| P.02604 | Conduct LIDAR Surveys-Variou | 292,000 |
| P.03733 | Install Sectionalizing for Cold Load Pickup - PHS | 250,000 |
| P.04012 | Service Extensions-Labrador-2018 | 1,897,000 |
| P.04016 | Distribution Upgrading Labrador-2018 | 240,000 |
| Grand Total | | 2,679,000 |

Labrador Isolated

| | | |
|--------------------|---|-------------------|
| P.02456 | Replace Unit 573 - POV | 590,000 |
| P.02676 | PHS-Construct New Mega Diesel Plant | 14,769,000 |
| P.03238 | Replace Unit 2034 - CHT | 770,000 |
| P.03276 | Replace Unit 577 - POV | 90,000 |
| P.03603 | Install Fire Protection System | 500,000 |
| P.03604 | Replace Human Machine Interface - Various | 200,000 |
| P.03730 | Additions For Load Growth - Hopedale | 1,000,000 |
| P.03992 | Increase Generation Capacity-Cartwright | 461,700 |
| P.03993 | Perform Plant Improvements as per FEED | 250,000 |
| P.03994 | Install Unit Fuel Metering | 600,000 |
| P.03995 | Build Roadway for Freight Delivery-NOB | 307,200 |
| P.03999 | Construct Site Fencing - PHS | 250,000 |
| P.04011 | Service Extensions-Northern-2018 | 465,000 |
| P.04012 | Service Extensions-Labrador-2018 | 813,000 |
| P.04015 | Distribution Upgrading Northern-2018 | 372,000 |
| P.03731 | Overhaul Diesel Engines - Various Locations | 1,535,700 |
| P.04016 | Distribution Upgrading Labrador-2018 | 240,000 |
| Grand Total | | 23,213,600 |