



Muskrat Falls Project

Monthly Report

November 2020

January 19, 2021



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1.0 Monthly Report Overview

This report¹ provides the monthly update for November 2020 on the following projects associated with the Muskrat Falls development:

- the 824 megawatt (MW) hydroelectric development at Muskrat Falls (the Muskrat Falls generating facility);
- two 315 kilovolt (kV) High Voltage alternating current (HVac) transmission lines between Muskrat Falls and Churchill Falls (the Labrador Transmission Assets or LTA); and
- the 1,100 km long High Voltage direct current (HVdc) transmission line between Muskrat Falls and Soldiers Pond (the Labrador-Island Link or LIL).

Included in this report are details on construction activities and costs, safety and environmental activities, procurement information, and details on stakeholder and community engagement initiatives during the reporting period. The report also provides detailed statistical tables summarizing employment and expenditure benefits generated from the Muskrat Falls Project.

2.0 Construction Progress

Overall construction progress is considered substantially complete across all project assets (Muskrat Falls generating facility, LIL, and LTA).

3.0 Construction Update

Nalcor and its contractors continue to follow all COVID-19 Health and Safety measures as per the established guidelines implemented for the project. Since May, significant emphasis has been placed on returning workers to site while strictly adhering to public health guidelines. The impact of lost time and a reduced workforce have meant impacts to the project cost and schedule.

3.1 Muskrat Falls Hydroelectric Generating Facility

Andritz Hydro (Andritz) is responsible for the turbines and generator contract. Andritz is progressing its work scope under the contract in accordance with its 2020 work plan which was developed to respect COVID-19 conditions.

Unit 1

On September 22, 2020, Unit 1 was synchronized to the Labrador power grid for the first time, marking the achievement of the First Power milestone. Commissioning activities for Unit 1 were completed, and a 72-hour trial run was completed. Unit 1 was taken off line to complete post commissioning inspections prior to releasing it for service. At the end of the month, preventative maintenance work on the Unit 1 intake gates was nearing completion and the unit will be ready to be placed into operation in early December.

¹ This report is prepared by Lower Churchill Management Corporation (LCMC), the Nalcor Energy subsidiary responsible for managing the construction of the Muskrat Falls hydroelectric generating facility, the Labrador Transmission Assets and the Labrador-Island Transmission Link.

Unit 2

On October 19, 2020, Unit 2 was turned with water for the first time, marking the beginning of wet commissioning activities on that unit. Commissioning work will continue into early 2021. In early November, Unit 2 commissioning work was halted after the generator upper cooling air shroud rubber seal failed during an overspeed test. The generator shrouds are located above the rotor and are used to contain the air circulating through the machine. The shrouds are supported off the upper bracket and have a rubber seal which presses against the air seal on the stator. Repairs are underway, and resumption of mechanical commissioning is expected prior to the holiday break. Online commissioning activities are expected to resume in late January 2021 after contractor work forces are back at the Muskrat Falls site and a required inspection of the unit is completed prior to starting online commissioning. The Lower Churchill Project is currently planning for completion of unit 2 commissioning and Ready for Operation in March 2021.

Units 3 and 4

Unit 3 assembly is approaching completion. Completion of Unit 3 commissioning and Ready for Operation is forecast for May 2021.

The Unit 4 rotor pole installation is underway. Completion of Unit 4 commissioning and Ready for Operation is forecast for September 2021.



Inside the Muskrat Falls Powerhouse – view of work in the South Service Bay



Overlooking Unit #4 in the Muskrat Falls Powerhouse



Inside the Muskrat Falls
Powerhouse looking south
(Unit #4 to Unit #1)

3.2 Labrador Transmission Assets (LTA)

Turnover of the Churchill Falls and Muskrat Falls AC Switchyards to Nalcor Energy – Power Supply Operations has been completed.

3.3 Labrador-Island Link (LIL)

GE Grid completed Factory Acceptance Testing of the Interim Bipole Software on October 23, 2020, and subsequently uploaded the software at site on October 29. Dynamic commissioning of LIL Pole 1 with the Interim Bipole Software recommenced on November 28 and is ongoing.

In August 2020, an issue occurred on some fiberglass beams in the valve halls at Muskrat Falls and Soldiers Pond during dynamic commissioning resulting in a trip on LIL. GE Grid has completed its Root Cause Analysis (RCA) into the valve hall flashover incident and has concluded that insufficient heat curing in the factory of the primary beam supplier is the cause of the degradation of the fiberglass beams. The fiberglass beams are supposed to act as insulators, as well as a part of the physical supporting structure. The degradation of the fiberglass beams resulted in the precipitation of a substance. The presence of this substance correlated with a measured decrease in beam resistivity (indicating a loss of insulation capability) to an unacceptable level and was the cause of the flashover when the valves were energized. As a result, all beams from the primary supplier (348 in total) will be replaced as part of the Final Remediation Plan. Approximately 10% of the beams were provided by a secondary vendor; none of those beams have failed resistivity tests, therefore, none of these will be replaced. GE Grid has placed an order with the secondary vendor for the replacement beams.

Additional information is available in the monthly reports to the Public Utilities Board. These reports are posted on the Muskrat Falls Project website: <https://muskratfalls.nalcorenergy.com/newsroom/reports/>

3.4 Construction Cost Summary

The current (November 2020) facilities capital cost estimate of the Muskrat Falls Project is \$10.2 billion (see Table 1).

3.4.1 Incurred Cost Overview

Table 1 summarizes the incurred costs for the project for the month and for the project to date. Incurred costs refer to the value of work performed during the period regardless of it being paid during the current period or at some point in the future.

In September 2020, Nalcor provided an update on the Muskrat Falls Project and COVID-19 pandemic impacts to cost and schedule. Information on this update is available on the Muskrat Falls Project website: <https://muskratfalls.nalcorenergy.com/newsroom/news-releases/>

Table 1 - Estimate & Incurred facilities costs for Muskrat Falls Project to November 2020 (In millions of CAD \$)*

Project Component	Current Cost Estimate (Sept 2020)	Incurred Cost Current Month	Incurred Cost Project to Date
Muskrat Falls Hydroelectric Generating Facility	\$5,560	\$20.4	\$5,307
Labrador Transmission Assets	\$880	\$0.5	\$867
Labrador-Island Link	\$3,737	\$3.9	\$3,601
Total	\$10,177	\$24.8	\$9,775

* Value excludes interest during construction and capitalized financing costs.

3.4.2 Monthly Expenditure Overview

- Total expenditures paid for the Muskrat Falls Project was over \$30 million in November 2020. This included over \$19 million paid to Newfoundland and Labrador businesses.
- From February 2013 to the end of the reporting period in November 2020, over \$3.4 billion has been spent directly with Newfoundland and Labrador-based companies.

4.0 Safety and Environment

4.1 Safety

LCP and all contractors working on the Muskrat Falls Project have a relentless commitment to the safety of workers and the public. Table 2 outlines the Health and Safety indicators and measurements for the month and for the project to date.

Table 2 - Health and Safety Indicators and Measurements – November 2020 and Project to Date

Indicator	November 2020	Project to Date
Orientations completed	30	57,717
Safety Step Backs completed	3,457	2,015,082
Work site inspections	108	103,195
Lost-time injuries	0	17
Medical aid incidents	2	120

4.2 Environment

The LCP Environment and Regulatory Compliance (ERC) Team is committed to maintaining a high standard of environmental responsibility that will help sustain a diverse and healthy environment for generations of Newfoundlanders and Labradorians.

4.2.1 Information on Water Sampling Program – Methylmercury Monitoring Plan

A water sampling program for the Muskrat Falls reservoir, Churchill River and Lake Melville began in October 2016 before any changes to water levels in the lower Churchill River. This work is carried out by Wood Environment & Infrastructure Solutions (formerly Amec Foster Wheeler). Since that time almost 2,000 samples have been collected and analyzed. The sampling of water is done at 13 stations located upstream of the Muskrat Falls reservoir area, within the Muskrat Falls reservoir or impoundment area, downstream of Muskrat Falls in the lower Churchill River, Goose Bay and Lake Melville as far east as Rigolet. Additional information about this program and water sampling results for the first year after impoundment is available in the Plain Language Summary (PLS) on the Muskrat Falls Project website. This memo is available here: https://muskratfalls.nalcorenergy.com/wp-content/uploads/2020/12/Nalcor_PLS-Water-sampling-summary_Dec-2020_Final.pdf

Since March 24, 2017, the Department has been releasing ongoing results collected as part of the Plan. The information and data can be viewed on their website at: <https://www.gov.nl.ca/eccm/methylmercury-mrf/>

Monitoring and the sharing of data is important for people who harvest country food in and around the lower Churchill River and Nalcor will continue its commitment to ongoing monitoring. Information and collected data is available on the Muskrat Falls Project website at: <https://muskratfalls.nalcorenergy.com/environment/generation/methylmercury-monitoring/>

The measured values in water for the first full year after impoundment are very similar to those predicted in 2018 following updated models completed by scientists engaged by Nalcor Energy as part of work undertaken for the Independent Expert Advisory Committee (IEAC) and are within safe limits. These values are consistent with what was predicted and expected in the first year following creation of the reservoir. The Muskrat Falls reservoir is reacting in a similar way to other reservoirs following the first year of flooding.

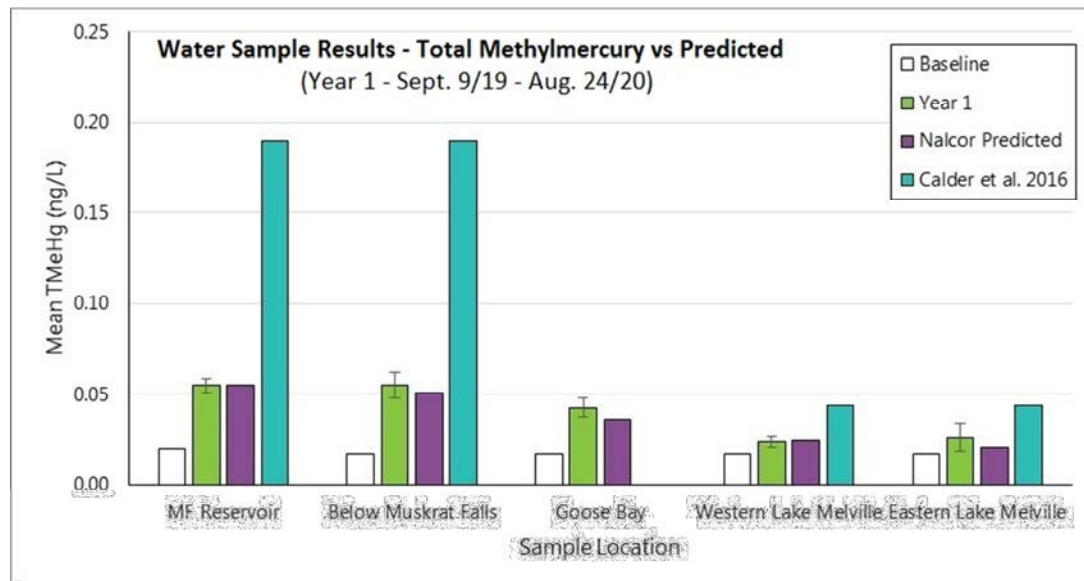
During the Environmental Assessment process for the Lower Churchill hydroelectricity project, predictions on methylmercury concentrations for the Muskrat Falls reservoir and downstream of Muskrat Falls were made. These predictions were provided to the Independent Expert Advisory Committee when it was established in 2017. In 2017-18, Nalcor engaged Reed Harris Environmental Ltd. and W.F. Baird & Associates Coastal Engineers Ltd. to update the previously completed methylmercury models to help predict potential changes in methylmercury concentrations in water following the creation of the Muskrat Falls reservoir. These reports are available here:

Harris (2018): https://muskratfalls.nalcorenergy.com/wp-content/uploads/2020/12/Harris_MF-Reservoir-Modeling-memo-Aug-3-2018_Final.pdf

Baird (2018): https://muskratfalls.nalcorenergy.com/wp-content/uploads/2018/09/Baird-2018-12985.101.M3.RevB_.Lake-Melville-Modelling-Summary.pdf

Wood has analyzed the water sample results for the year following impoundment or creation of the Muskrat Falls reservoir (September 9, 2019 to August 24, 2020) and compared the measured mean annual increases in water to these 2018 updated predictions. It is expected that methylmercury concentrations in water reach their peak quickly after impoundment and then begin to decline. The measured values in water for the first full year after impoundment are very similar to those predicted by Harris and Baird and are within safe limits. These values are consistent with what was predicted and expected in the first year following creation of the reservoir. The Muskrat Falls reservoir is reacting in a similar way to other reservoirs following the first year of flooding.

The following graph shows the predicted and measured mean annual increase in total methylmercury concentration in water for September 9, 2019 to August 24, 2020.



In addition to water sampling analysis, fish samples are collected every year for target species from the Muskrat Falls reservoir area, down river, Goose Bay and Lake Melville. The fish samples representing the first full year of reservoir flooding have just been sampled (Sept-Oct 2020) and awaiting lab analysis; however, those from 2019 show no changes in methylmercury levels in fish. Based on fish species and its diet, increases would not be expected to happen until three to five years after flooding.

5.0 Employment and Benefits

This section provides information on employment benefits generated during the month. Some of these activities are part of commitments made by LCP through the Benefits Strategy with the provincial government, the Impacts and Benefits Agreement (IBA) with Innu Nation, the Gender Equity and Diversity Program, and provincial and federal environmental regulatory commitments.

5.1 Employment Highlights

The employment highlights for the month of November are summarized below. Detailed employment information and statistics are outlined in Section 8.

- 129,388 hours were worked by 893 individuals on the projects, including over 98,121 hours of work in Labrador.
- 816 residents of Newfoundland and Labrador were employed on the projects (representing 91% of the total persons employed).
- 652 people were working in Labrador, of whom 172 were Labrador residents (approximately 26%). Of these 172 Labrador residents, 52 self-identified as a member of a Labrador Indigenous group (approximately 30%).

5.2 Gender Equity and Diversity

5.2.1 Employment of Women

During the month, 142 women were working on all project components (comprising approximately 16% of the total workforce). Of these, 72 were working in construction and assembly, 6 in engineering, and 64 in project management. Of the 142 women working on the project, 138 of them are Newfoundland and Labrador residents.

5.2.2 Labrador Innu Initiatives - Impacts and Benefits Agreement (IBA) Implementation Activities

During the month, 22 Innu were employed at Muskrat Falls. Innu workers were working in a wide range of occupations, including construction trades, labourers, camp accommodations and food services.

5.3 Community Engagement

LCP has established multiple venues for members of the public to ask questions, seek employment information, and get details about the Muskrat Falls development. LCP has a website that provides information on project construction activities (muskratfalls.nalcorenergy.com). In addition, people can contact LCP through the toll-free number, or by email.

6.0 Definitions

Term	Definition
Benefits Strategy	Lower Churchill Construction Project Benefits Strategy as agreed by the Province of Newfoundland and Labrador and LCP.
Expenditures	Expenditures for the month are defined as those expenditures from invoices which have been approved for payment during the month.
Incurred Costs	Value of work performed during the period (month) regardless of it being paid during the current period or at some point in the future.
Industry Category	Based on the North American Industry Classification System (NAICS) and used to categorize companies for expenditure reporting.
Island or NF	Refers to the residency of employees, the location of work completed or the location of a company; includes residents from, work done on or companies located on the island portion of NL.
NOC Code	Occupational codes from the National Occupational Classification system, which is the standard system for classifying jobs in Canada. It is a hierarchical structure with four levels of classifications. Both the 2-digit and 4-digit classifications are used in this report.
Person Hours	Hours worked by individuals on the project.
Persons Employed	Any person who has worked at any time on the Project during the time period referenced.
Project to Date	Cumulative totals for the period from May 1, 2013 up to the end of the current month.
Residents	Residents of Newfoundland and Labrador who meet the requirements as defined in the Benefits Strategy.

7.0 Abbreviations and Acronyms

Abbreviation/Acronym	Definition
BMRS	Benefits Monitoring and Reporting System
C&A	Construction and Assembly
CBTU	Canada's Building Trades Unions
CLC	Community Liaison Committee
CNA	College of the North Atlantic
CPR	Cardiopulmonary Resuscitation
CTD	Centre Transition Dam
E&D	Engineering and Design
EMC	Environmental Management Committee
EMS	Environmental Management System
EPP	Emergency Preparedness Plans
ERC	Environment and Regulatory Compliance
FAT	Factory Acceptance Testing
GIS	Gas Insulated Switchgear
GPR	Ground Penetrating Radar
HDD	Horizontal Directional Drilling
HHRA	Human Health Risk Assessment
HVac	High voltage AC transmission
HVdc	High voltage DC transmission
IBA	Impacts and Benefits Agreement
INT	International (Location of Work or Company)
ISO	International Standards Organization
kV	Kilovolt
LATP	Labrador-Aboriginal Training Partnership
LCP	Lower Churchill Project
LIL	Labrador-Island Transmission Link
LRM	Long Range Mountains
LTA	Labrador Transmission Assets
MeHg	Methylmercury
MFG	Muskrat Falls Hydroelectric Generation Facility
MW	Megawatt
NLESA	Newfoundland and Labrador Endangered Species Act
NLOWE	Newfoundland and Labrador Organization of Women Entrepreneurs
OAWA	Office to Advance Women Apprentices
OC	Other Canada
OSEM	On-site Environmental Monitor
PAO	Provincial Archaeology Office
PEGNL	Professional Engineers and Geoscientists of Newfoundland and Labrador
PM	Project Management
RCC	Roller-compacted concrete
Res	Residents of Newfoundland and Labrador
RFP	Request for Proposal
ROW	Right of Way
SOBI	Strait of Belle Isle
T&G	Turbine and Generator
THg	Total Mercury
TTO	Transition to Operations

8.0 Employment Benefits

All information on employment is provided by both person hours and the number of persons employed for the following categories:

- Total employment
- Employment by NOC Code
- Employment by Location of Work
- Employment by Indigenous Affiliation
- Employment by Gender

8.1 Total Employment

Tables 3 through 5 break out the project employment in both person hours and persons employed by location of work and residency.

Table 3 - Person Hours of Employment by Location of Work and Residency (November 2020)

Work Location	Residency								Total
	Island		Labrador		Other Canada		Non-Canadian		
	at Location	% of Total	at Location	% of Total	at Location	% of Total	at Location	% of Total	
Island	25,839	82.8%	331	1.1%	3,975	12.7%	1,074	3.4%	31,218
Labrador	70,009	71.3%	24,274	24.7%	3,444	3.5%	395	0.4%	98,121
Other Canada	-	0.0%	-	0.0%	367	100.0%	-	0.0%	367
International	-	0.0%	-	0.0%	182	100.0%	-	0.0%	182
Total	95,847	73.8%	24,605	18.9%	7,967	6.1%	1,469	1.1%	129,888

Table 4- Person Hours of Employment by Location of Work and Residency (Project to Date)

Work Location	Residency								Total
	Island		Labrador		Other Canada		Non-Canadian		
	At Location	% of Total	At Location	% of Total	At Location	% of Total	at Location	% of Total	
Island	6,800,912	80.8%	207,460	2.5%	1,251,332	14.9%	156,530	1.9%	8,416,235
Labrador	23,131,629	59.3%	10,265,847	26.3%	5,204,060	13.3%	417,999	1.1%	39,019,535
Other Canada	8,940	2.2%	-	0.0%	382,886	95.9%	7,618	1.9%	399,443
International	-	0.0%	-	0.0%	13,374	16.0%	69,997	84.0%	83,371
Total	29,941,481	62.5%	10,473,307	21.9%	6,851,652	14.3%	652,144	1.4%	47,918,584

Table 5 - Number of Persons Employed by Location of Work and Residency (November 2020)

Work Location	Residency								Total
	Island		Labrador		Other Canada		Non-Canadian		
	At Location	% of Total	At Location	% of Total	At Location	% of Total	At Location	% of Total	
Island	188	82.5%	2	0.9%	31	13.6%	7	3.1%	228
Labrador	454	69.6%	172	26.4%	23	3.5%	3	0.5%	652
Other Canada	-	0.0%	-	0.0%	12	100.0%	-	0.0%	12
International	-	0.0%	-	0.0%	1	100.0%	-	0.0%	1
Total	642	71.9%	174	19.5%	67	7.5%	10	1.1%	893

8.2 Employment by NOC Code

Tables 6 and 7 summarize project employment by 2-digit NOC Code. Appendix A contains an overview of the methodology used to capture employment by job title and how that information is converted to NOC codes. In addition, occupational information by 4-digit NOC code as well as information on employment by NOC code and gender, Indigenous affiliation and for residents of Labrador is also provided in Appendix A.

Table 6 - Person Hours of Employment by 2-Digit NOC Code (November 2020 and Project to Date)

2-Digit NOC Code	Current Month				Project to Date			
	C&A	E&D	PM	Total	C&A	E&D	PM	Total
00 - Senior management occupations	164	-	1,382	1,546	137,054	8,008	104,411	249,472
01-05 - Specialized middle management occupations	616	415	2,680	3,711	546,266	132,557	447,752	1,126,575
07-09 - Middle management occupations in trades, transportation, production and utilities	566	-	2,358	2,923	684,447	12,249	311,157	1,007,853
11 - Professional occupations in business and finance	865	-	2,681	3,546	227,016	18,456	381,720	627,192
12 - Administrative and financial supervisors and administrative occupations	632	263	3,505	4,400	631,125	202,083	722,877	1,556,085
13 - Finance, insurance and related business administrative occupations	-	64	1,301	1,365	107,897	16,781	161,369	286,047
14 - Office support occupations	-	-	198	198	333,671	72	10,551	344,294
21 - Professional occupations in natural and applied sciences	3,041	2,975	16,152	22,168	2,148,073	770,863	2,193,830	5,112,766
22 - Technical occupations related to natural and applied sciences	1,900	1,622	5,218	8,739	1,569,572	414,532	853,335	2,837,438
32 - Technical occupations in health	2,548	-	160	2,708	348,105	-	7,668	355,773
41 - Professional occupations in law and social, community and government services	-	161	1,047	1,208	232,188	112,024	217,809	562,021
43 - Occupations in front-line public protection services	741	1	-	742	88,819	301	3,339	92,458
63 - Service supervisors and specialized service occupations	1,695	-	-	1,695	328,278	-	7,472	335,750
65 - Service representatives and other customer and personal services occupations	5,333	120	-	5,453	720,792	15,882	6,593	743,267
67 - Service support and other service occupations, n.e.c.	8,815	-	-	8,815	1,811,640	-	4,142	1,815,782
72 - Industrial, electrical and construction trades	28,077	-	3,145	31,222	13,687,064	12,804	279,072	13,978,940
73 - Maintenance and equipment operation trades	16,336	-	5	16,341	2,559,664	2,193	49,072	2,610,929
74 - Other installers, repairers and servicers and material handlers	3,008	-	373	3,381	361,203	48	36,334	397,585
75 - Transport and heavy equipment operation and related maintenance occupations	4,939	-	-	4,939	6,104,931	2,145	112,078	6,219,154
76 - Trades helpers, construction labourers and related occupations	4,120	-	-	4,120	6,836,030	3,995	111,310	6,951,335
82 - Supervisors and technical occupations in natural resources, agriculture and related production	-	-	-	-	542,351	-	7,696	550,046
86 - Harvesting, landscaping and natural resources labourers	-	-	-	-	81,250	60	6,723	88,033
92 - Processing, manufacturing and utilities supervisors and central control operators	-	-	672	672	37,660	-	32,145	69,804
All Occupation Categories	83,393	5,621	40,874	129,888	40,125,095	1,725,051	6,068,454	47,918,600

Table 7 - Residents Hired by 2-Digit NOC Code (November 2020)

2-Digit NOC Code	C&A			E&D			PM			Total		
	Res	Total Persons	Res as % of Total	Res	Total Persons	Res as % of Total	Res	Total Persons	Res as % of Total	Res	Total Persons	Res as % of Total
00 - Senior management occupations	1	1	100%	-	-	0%	2	7	29%	3	8	38%
01-05 - Specialized middle management occupations	4	4	100%	2	4	50%	19	20	95%	25	28	89%
07-09 - Middle management occupations in trades, transportation, production and utilities	3	3	100%	-	-	0%	10	13	77%	13	16	81%
11 - Professional occupations in business and finance	4	5	80%	-	-	0%	14	14	100%	18	19	95%
12 - Administrative and financial supervisors and administrative occupations	4	4	100%	2	3	67%	22	23	96%	28	30	93%
13 - Finance, insurance and related business administrative occupations	-	-	0%	1	1	100%	11	11	100%	12	12	100%
14 - Office support occupations	-	-	0%	-	-	0%	2	2	100%	2	2	100%
21 - Professional occupations in natural and applied sciences	13	19	68%	7	25	28%	84	104	81%	104	148	70%
22 - Technical occupations related to natural and applied sciences	13	15	87%	9	12	75%	34	39	87%	56	66	85%
32 - Technical occupations in health	15	15	100%	-	-	0%	1	1	100%	16	16	100%
41 - Professional occupations in law and social, community and government services	-	-	0%	-	1	0%	11	11	100%	11	12	92%
43 - Occupations in front-line public protection services	4	4	100%	-	1	0%	-	-	0%	4	5	80%
63 - Service supervisors and specialized service occupations	8	10	80%	-	-	0%	-	-	0%	8	10	80%
65 - Service representatives and other customer and personal services occupations	31	32	97%	1	1	100%	-	-	0%	32	33	97%
67 - Service support and other service occupations, n.e.c.	57	57	100%	-	-	0%	-	-	0%	57	57	100%
72 - Industrial, electrical and construction trades	199	201	99%	-	-	0%	18	18	100%	217	219	99%
73 - Maintenance and equipment operation trades	111	113	98%	-	-	0%	1	1	100%	112	114	98%
74 - Other installers, repairers and servicers and material handlers	19	19	100%	-	-	0%	4	4	100%	23	23	100%
75 - Transport and heavy equipment operation and related maintenance occupations	41	41	100%	-	-	0%	-	-	0%	41	41	100%
76 - Trades helpers, construction labourers and related occupations	28	28	100%	-	-	0%	-	-	0%	28	28	100%
82 - Supervisors and technical occupations in natural resources, agriculture and related production	-	-	0%	-	-	0%	-	-	0%	-	-	0%
86 - Harvesting, landscaping and natural resources labourers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
92 - Processing, manufacturing and utilities supervisors and central control operators	-	-	0%	-	-	0%	6	6	100%	6	6	100%
All Occupation Categories	555	571	97%	22	48	46%	239	274	87%	816	893	91%

8.3 Employment by Location of Work

Table 8 - Person Hours of Employment by Location of Work (November 2020 and Project to Date)

Work Location	Current Period				Project to Date			
	C&A	E&D	PM	Total	C&A	E&D	PM	Total
NL								
Island	2,940	4,635	23,644	31,218	3,673,144	1,200,403	3,542,688	8,416,235
Labrador	80,453	832	16,837	98,121	36,197,491	346,143	2,476,123	39,019,756
Total NL	83,393	5,466	40,480	129,339	39,870,634	1,546,546	6,018,811	47,435,991
Other Canada	-	155	212	367	189,907	178,391	30,925	399,222
Total Canada	83,393	5,621	40,692	129,706	40,060,541	1,724,937	6,049,736	47,835,213
International	-	-	182	182	64,554	109	18,708	83,371
All Locations	83,393	5,621	40,874	129,888	40,125,095	1,725,046	6,068,444	47,918,584

Table 9 - Residents Hired by Location of Work (November 2020)

Work Location	C&A			E&D			PM			Total		
	Res	Total Persons	Res as % of Total	Res	Total Persons	Res as % of Total	Res	Total Persons	Res as % of Total	Res	Total Persons	Res as % of Total
NL												
Island	17	18	94%	17	31	55%	156	179	87%	190	228	83%
Labrador	538	553	97%	5	6	83%	83	93	89%	626	652	96%
Total NL	555	571	97%	22	37	59%	239	272	88%	816	880	93%
Other Canada	-	-	0%	-	11	0%	-	1	0%	-	12	0%
Total Canada	555	571	97%	22	48	46%	239	273	88%	816	892	91%
International	-	-	0%	-	-	0%	-	1	0%	-	1	0%
Total	555	571	97%	22	48	46%	239	274	87%	816	893	91%

8.4 Employment by Indigenous Affiliation

Table 10 - Person Hours of Employment by Indigenous Affiliation (November 2020 and Project to Date)

Indigenous Group	Current Period				Project to Date			
	C&A	E&D	PM	Total	C&A	E&D	PM	Total
Labrador Innu ^(a)	2,723	-	698	3,420	1,493,013	-	40,913	1,533,926
Nunatsiavut ^(a)	1,638	-	-	1,638	1,056,325	23,146	37,519	1,116,990
NunatuKavut ^(a)	1,353	175	196	1,724	1,342,880	17,803	46,390	1,407,073
Other NL Indigenous ^(a)	678	-	180	858	576,114	-	44,696	620,810
Indigenous-Other Canada	10	-	-	10	207,571	-	2,362	209,933
Non-Indigenous ^(b)	76,991	5,446	39,801	122,237	35,522,497	1,684,348	5,823,006	43,029,851
All Groups	83,393	5,621	40,874	129,888	40,198,399	1,725,297	5,994,887	47,918,583

^(a)Also NL residents

^(b)Includes residents and non-residents

Table 11 - Persons Employed by Indigenous Affiliation (November 2020)

Indigenous Group	C&A		E&D		PM		Total	
	Persons	%	Persons	%	Persons	%	Persons	%
Residents								
Labrador Innu	20	3.6%	-	0.0%	2	0.8%	22	2.7%
Nunatsiavut	14	2.5%	-	0.0%	-	0.0%	14	1.7%
NunatuKavut	9	1.6%	1	4.5%	1	0.4%	11	1.3%
Other Indigenous	5	0.9%	-	0.0%	1	0.4%	6	0.7%
All Indigenous	48	8.6%	1	4.5%	4	1.7%	53	6.5%
Non-Indigenous	507	91.4%	21	95.5%	235	98.3%	763	93.5%
Total	555	100%	22	100%	239	100%	816	100%
Non Residents								
Indigenous-Canada	1	6.3%	-	0.0%	-	0.0%	1	1.3%
Non-Indigenous	15	93.8%	26	100.0%	35	100.0%	76	98.7%
Total	16	100%	26	100%	35	100%	77	100%
Summary								
Indigenous	49	8.6%	1	2.1%	4	1.5%	54	6.0%
Non-Indigenous	522	91.4%	47	97.9%	270	98.5%	839	94.0%
Total	571	100%	48	100%	274	100%	893	100%

Tables 12 through 14 summarize the employment of Indigenous people and non-Indigenous people both in terms of hours worked and persons employed by location of work during the month and for the Project to Date.

Table 12 - Person Hours of Employment by Location of Work and Indigenous Affiliation (November 2020)

Work Location	Labrador Innu		NunatuKavut		Nunatsiavut		Other Indigenous		Non-Indigenous		Total
	At Location	%	At Location	%	At Location	%	At Location	%	At Location	%	
Island	-	0.0%	175	0.6%	-	0.0%	180	0.6%	30,863	98.9%	31,218
Labrador	3,420	3.5%	1,549	1.6%	1,638	1.7%	688	0.7%	90,826	92.6%	98,121
Other Canada	-	0.0%	-	0.0%	-	0.0%	-	0.0%	367	100.0%	367
International	-	0.0%	-	0.0%	-	0.0%	-	0.0%	182	100.0%	182
All Locations	3,420	2.6%	1,724	1.3%	1,638	1.3%	868	0.7%	122,237	94.1%	129,888

Table 13 - Person Hours of Employment by Location of Work and Indigenous Affiliation (Project to Date)

Work Location	Labrador Innu		NunatuKavut		Nunatsiavut		Other Indigenous		Non-Indigenous		Total
	At Location	%	At Location	%	At Location	%	At Location	%	At Location	%	
Island	2,961	0.0%	72,013	0.9%	25,649	0.3%	81,338	1.0%	8,234,274	97.8%	8,416,235
Labrador	1,530,965	3.9%	1,335,060	3.4%	1,091,341	2.8%	746,062	1.9%	34,316,107	87.9%	39,019,535
Other Canada	-	0.0%	-	0.0%	-	0.0%	3,343	0.8%	396,100	99.2%	399,443
International	-	0.0%	-	0.0%	-	0.0%	-	0.0%	83,371	100.0%	83,371
All Locations	1,533,926	3.2%	1,407,073	2.9%	1,116,990	2.3%	830,743	1.7%	43,029,852	89.8%	47,918,584

Table 14 - Number of Persons Employed by Location of Work and Indigenous Affiliation (November 2020)

Work Location	Labrador Innu		NunatuKavut		Nunatsiavut		Other Indigenous		Non-Indigenous		Total
	At Location	%	At Location	%	At Location	%	At Location	%	At Location	%	
Island	-	0.0%	1	0.4%	-	0.0%	1	0.4%	226	99.1%	228
Labrador	22	3.4%	10	1.5%	14	2.1%	6	0.9%	600	92.0%	652
Other Canada	-	0.0%	-	0.0%	-	0.0%	-	0.0%	12	100.0%	12
International	-	0.0%	-	0.0%	-	0.0%	-	0.0%	1	100.0%	1
All Locations	22	2.5%	11	1.2%	14	1.6%	7	0.8%	839	94.0%	893

8.5 Employment by Gender

Table 15 - Person Hours of Employment by Gender (November 2020 and Project to Date)

Gender	Current Period				Project to Date			
	C&A	E&D	PM	Total	C&A	E&D	PM	Total
Female	11,094	623	8,427	20,144	4,003,975	253,075	1,302,750	5,559,799
Male	72,299	4,998	32,447	109,743	36,194,425	1,472,222	4,692,137	42,358,784
Total	83,393	5,621	40,874	129,888	40,198,399	1,725,297	5,994,887	47,918,583

Table 16 - Persons Employed by Gender (November 2020)

Gender	C&A		E&D		PM		Total	
	Persons	%	Persons	%	Persons	%	Persons	%
Residents								
Female	71	12.8%	5	22.7%	62	25.9%	138	16.9%
Male	484	87.2%	17	77.3%	177	74.1%	678	83.1%
Total	555	100%	22	100%	239	100%	816	100%
Non Residents								
Female	1	6.3%	1	3.8%	2	5.7%	4	5.2%
Male	15	93.8%	25	96.2%	33	94.3%	73	94.8%
Total	16	100%	26	100%	35	100%	77	100%
Summary								
Female	72	12.6%	6	12.5%	64	23.4%	142	15.9%
Male	499	87.4%	42	87.5%	210	76.6%	751	84.1%
Total	571	100%	48	100%	274	100%	893	100%

9.0 Expenditures and Procurement

Expenditures are captured through direct entry of expenditure breakdowns by contractors which enter directly into the benefits system. For all other contractors, a listing of payments approved during the month from the project's financial accounting system is used. In all cases, expenditure totals are those that are approved for payment during the month.

9.1 Expenditures by Location of Company and Industry Category

Table 17 - Total Value of Expenditures by Location of Company and Industry Category (\$CDN; November 2020)

Industry	Labrador	Newfoundland	Other Canada	Non-Canadian	Totals
Accommodation and Food Services	10,270	4,853,270	17,979	-	4,881,518
Administrative and Support, Waste Management and Remediation Services	8,326	201	-	-	8,527
Agriculture, Forestry, Fishing and Hunting	-	-	-	-	-
Arts, Entertainment and Recreation	-	-	-	-	-
Construction	21,947	4,939,476	490,413	-	5,451,837
Educational Services	-	-	-	-	-
Finance and Insurance	-	419	118,960	79,480	198,859
Health Care and Social Assistance	-	-	358,422	-	358,422
Information and Cultural Industries	-	-	11,130	-	11,130
Management of Companies and Enterprises	-	-	-	-	-
Manufacturing	-	48,881	7,414,447	-	7,463,328
Mining, Quarrying, and Oil and Gas Extraction	-	-	-	-	-
Other Services, Including Maintenance and Repair	6,000	1,208,155	50,377	-	1,264,533
Professional, Scientific and Technical Services	60,788	4,624,561	2,637,305	57,299	7,379,953
Public Administration	10	624	-	-	634
Real Estate, Rental and Leasing	1,875	192	30,908	-	32,975
Retail Trade	676	22,466	1,190	-	24,332
Transportation and Warehousing	38,667	1,307,427	1,873	-	1,347,967
Utilities	-	2,232,912	29,654	-	2,262,566
Wholesale Trade	119,675	12,402	15,263	-	147,340
Grand Total	268,233	19,250,987	11,177,920	136,780	30,833,920

Table 18 - Total Value of Expenditures by Location of Company and Industry Category (\$CDN; Project to Date)

Industry	Labrador	Newfoundland	Other Canada	Non-Canadian	Totals
Accommodation and Food Services	3,225,128	306,473,467	18,548,861	139,278	328,386,734
Administrative and Support, Waste Management and Remediation Services	864,661	11,265,001	284,858	7,333	12,421,852
Agriculture, Forestry, Fishing and Hunting	15,240	117,680,461	5,635,780	-	123,331,481
Arts, Entertainment and Recreation	304,621	133,498	44,500	22,611	505,230
Construction	672,099,326	1,206,212,882	3,544,085,751	51,632,403	5,474,030,363
Educational Services	151,149	567,317	4,949,491	15,580	5,683,536
Finance and Insurance	360,831	50,216,724	37,869,965	6,826,851	95,274,372
Health Care and Social Assistance	4,500	4,765,415	9,892,076	-	14,661,991
Information and Cultural Industries	44,921	1,622,961	4,514,192	3,506,178	9,688,252
Management of Companies and Enterprises	-	-	-	-	-
Manufacturing	8,424,452	37,936,373	916,262,984	264,130,946	1,226,754,755
Mining, Quarrying, and Oil and Gas Extraction	4,819,822	1,495,159	24,831,141	1,200	31,147,322
Other Services, Including Maintenance and Repair	1,275,165	144,843,879	476,064,508	95,458,740	717,642,292
Professional, Scientific and Technical Services	8,392,523	443,736,164	595,406,463	25,953,311	1,073,488,460
Public Administration	53,199,110	4,735,453	1,550,637	11,488	59,496,689
Real Estate, Rental and Leasing	917,001	1,232,295	4,005,983	22,500	6,177,780
Retail Trade	1,552,391	15,622,396	948,331	14,619	18,137,736
Transportation and Warehousing	38,865,886	46,609,821	53,095,425	1,424,168	139,995,300
Utilities	771,979	230,900,508	68,789,169	19,382	300,481,039
Wholesale Trade	10,918,857	5,046,025	3,624,656	16,458,656	36,048,194
Totals	806,207,562	2,631,095,799	5,770,404,772	465,645,243	9,673,353,376

9.2 Procurement

Tables 19-21 provide details on procurement activities for all components of the Muskrat Falls Project. Appendix B contains a list of all contracts awarded to date since Project Sanction.

Table 19 - Contracts Awarded During November 2020

Package #	Package Title	Award Date	Successful Bidder(s)
No contracts awarded during November 2020			

Table 20 - Request for Proposals Issued

Package #	Package Title	RFP Issue Status	Qualified Bidders
No requests for proposals were issued during November 2020			

Table 21 - Upcoming Request for Proposals (RFP)

Package #	Package Title	Forecasted Bidder Selection Start	Forecasted RFP Issue Date
There are currently no upcoming requests for proposals.			

Appendix A—Employment by 4-Digit NOC Code

Table 22-Person Hours of Employment by 4-Digit NOC Code (November 2020)

4-Digit NOC Code	Current Month				Project to Date			
	C&A	E&D	PM	Total	C&A	E&D	PM	Total
0016 - Senior Managers - Goods Production, Utilities, Transportation and Construction	164	-	1,382	1,546	137,054	8,008	104,411	249,472
0111 - Financial Managers	128	-	661	789	16,363	-	34,743	51,106
0112 - Human Resources Managers	168	64	167	399	233,392	22,855	59,085	315,332
0113 - Purchasing Managers	-	-	160	160	20,805	9,932	22,760	53,497
0114 - Other Administrative Services Managers	168	-	162	330	150,465	3,023	44,002	197,490
0124 - Advertising, marketing and public relations managers	-	-	-	-	6,616	-	4,520	11,136
0125 - Other Business Services Managers	-	-	171	171	22,626	137	62,502	85,264
0211 - Engineering Managers	152	199	1,208	1,559	84,741	82,024	189,340	356,104
0213 - Computer and Information Systems Managers	-	152	152	304	11,259	14,588	30,803	56,649
0711 - Construction Managers	566	-	2,358	2,923	684,447	12,249	311,157	1,007,853
1111 - Financial Auditors and Accountants	-	-	345	345	39,746	1,658	32,110	73,513
1114 - Other Financial Officers	595	-	1,072	1,667	28,845	3,222	139,406	171,473
1121 - Human Resources professionals	270	-	906	1,175	127,397	13,547	149,939	290,882
1122 - Professional Occupations in Business management consulting	-	-	-	-	-	-	-	-
1123 - Professional occupations in advertising, marketing and public relations	-	-	359	359	31,030	31	60,269	91,329
1221 - Administrative Officers	-	130	512	642	53,444	89,518	69,921	212,883
1223 - Human resources and Recruitment Officers	-	-	-	-	3,058	3,741	26,589	33,387
1225 - Purchasing Agents and Officers	148	-	1,524	1,672	186,788	65,509	417,210	669,507
1241 - Administrative Assistants	484	133	1,469	2,086	387,835	43,318	209,160	640,312
1311 - Accounting technicians and bookkeepers	-	64	1,301	1,365	107,897	16,781	161,369	286,047
1411 - General Office support workers	-	-	-	-	332,346	72	1,813	334,230
1431 - Accounting and Related Clerks	-	-	198	198	1,325	-	8,739	10,063
2113 - Geologists, Geochemists and Geophysicists	-	-	-	-	7,849	12,446	15,145	35,439
2131 - Civil Engineers	200	1,356	1,628	3,184	567,142	237,257	384,663	1,189,061
2132 - Mechanical Engineers	470	555	3,917	4,942	121,279	73,805	305,007	500,090
2133 - Electrical and Electronics Engineers	307	530	3,542	4,379	118,477	231,412	343,965	693,854
2141 - Industrial and Manufacturing Engineers	592	-	2,146	2,738	530,998	19,202	367,647	917,847
2144 - Geological Engineers	-	50	-	50	3,647	30,248	7,836	41,730
2147 - Computer Engineers (Except Software Engineers and Designers)	-	-	-	-	4,449	11,503	4,181	20,133
2148 - Other Professional Engineers, n.e.c.	1,472	350	3,338	5,160	310,674	120,403	489,603	920,680
2151 – Architects	-	-	-	-	320	5,174	-	5,494
2153 - Urban and Land Use Planners	-	-	283	283	14,502	10,793	73,497	98,791
2154 - Land Surveyors	-	-	364	364	442,586	173	81,403	524,161
2171 - Information Systems Analysts and Consultants	-	136	934	1,070	26,152	18,454	120,893	165,499
2221 - Biological Technologists and Technicians	-	-	-	-	-	-	-	-

4-Digit NOC Code	Current Month				Project to Date			
	C&A	E&D	PM	Total	C&A	E&D	PM	Total
2231 - Civil Engineering Technologists and Technicians	-	396	329	725	380,955	95,026	85,589	561,570
2232 - Mechanical Engineering Technologists and Technicians	516	-	212	728	216,963	17,130	38,785	272,878
2234 - Construction Estimators	-	-	177	177	34,444	25,558	32,980	92,981
2241 - Electrical and Electronics Engineering Technologists and Technicians	150	268	1,735	2,153	49,990	37,961	210,880	298,831
2243 - Industrial Instrument Technicians and Mechanics	290	-	-	290	23,847	-	8,006	31,853
2251 - Architectural Technologists and Technicians	64	-	-	64	8,008	5,301	300	13,608
2253 - Drafting Technologists and Technicians	-	330	7	337	180,396	84,338	14,978	279,711
2263 - Inspectors in Public and Environmental Health and Occupational Health and Safety	880	628	2,211	3,718	586,755	109,223	229,630	925,607
2264 - Construction Inspectors	-	-	548	548	88,152	39,919	230,900	358,970
2271 - Air Pilots, Flight Engineers and Flying Instructors	-	-	-	-	64	80	1,291	1,434
3234 - Paramedical Occupations	2,548	-	160	2,708	348,105	-	7,668	355,773
4112 - Lawyers and Quebec Notaries	-	-	48	48	686	-	5,767	6,453
4161 - Natural and Applied Science Policy Researchers, Consultants and Program Officers	-	161	1,000	1,161	200,178	112,024	180,179	492,380
4162 - Economists and Economic Policy Researchers and Analysts	-	-	-	-	1,146	-	31,825	32,971
4169 - Other Professional Occupations in Social Science, n.e.c.	-	-	-	-	30,178	-	41	30,218
4312 - Firefighters	741	1	-	742	88,819	301	3,339	92,458
6313 - Accommodation, travel, tourism and related services supervisors	852	-	-	852	116,873	-	4,470	121,343
6321 - Chefs	-	-	-	-	1,134	-	-	1,134
6322 - Cooks	843	-	-	843	210,271	-	3,002	213,273
6541 - Security Guards and Related security service Occupations	5,333	120	-	5,453	720,792	15,882	6,593	743,267
6711 - Food Counter Attendants, Kitchen Helpers and Related support Occupations	8,815	-	-	8,815	1,811,640	-	4,142	1,815,782
7201 - Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations	293	-	-	293	341,539	134	8,136	349,809
7202 - Contractors and Supervisors, Electrical Trades and Telecommunications Occupations	811	-	23	834	241,888	57	12,402	254,346
7203 - Contractors and Supervisors, Pipefitting Trades	598	-	-	598	96,582	-	705	97,287
7204 - Contractors and Supervisors, Carpentry Trades	616	-	-	616	468,586	15	22,152	490,753
7205 - Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers	479	-	182	661	807,025	9,829	42,898	859,752
7233 - Sheet Metal Workers	3,731	-	-	3,731	174,234	-	1,825	176,059
7234 - Boilermakers	320	-	-	320	50,031	-	-	50,031
7236 - Ironworkers	603	-	-	603	2,185,053	-	4,014	2,189,067
7237 - Welders and Related Machine Operators	431	-	-	431	297,907	192	2,424	300,522
7242 - Industrial Electricians	7,665	-	2,924	10,589	1,749,711	1,849	76,119	1,827,679
7244 - Electrical Power Line and Cable Workers	-	-	16	16	701,719	-	21,485	723,204
7251 - Plumbers	302	-	-	302	85,344	-	3,719	89,063
7252 - Steamfitters, Pipefitters and Sprinkler System Installers	3,704	-	-	3,704	431,983	280	619	432,882

4-Digit NOC Code	Current Month				Project to Date			
	C&A	E&D	PM	Total	C&A	E&D	PM	Total
7271 – Carpenters	4,800	-	-	4,800	5,384,726	448	73,481	5,458,655
7281 – Bricklayers	1,763	-	-	1,763	544,070	-	8,957	553,027
7293 – Insulators	952	-	-	952	40,437	-	-	40,437
7294 - Painters and Decorators (except interior decorators)	1,010	-	-	1,010	86,228	-	137	86,365
7301 - Contractors and supervisors, mechanic trades	1,233	-	-	1,233	125,353	-	358	125,711
7302 - Contractors and supervisors, heavy equipment operator crews	612	-	-	612	372,825	-	5,678	378,503
7311 - Construction Millwrights and Industrial Mechanics	13,065	-	5	13,070	416,354	-	28,431	444,784
7312 - Heavy- Duty Equipment Mechanics	527	-	-	527	704,585	1,033	2,562	708,179
7371 - Crane Operators	900	-	-	900	697,747	-	11,724	709,471
7372 - Drillers and Blasters - Surface Mining, Quarrying and Construction	-	-	-	-	211,679	1,160	182	213,021
7384 - Other Trades and Related Occupations, n.e.c.	-	-	-	-	31,120	-	139	31,258
7452 - Material Handlers	3,008	-	373	3,381	361,203	48	36,334	397,585
7511 - Transport Truck Drivers	1,708	-	-	1,708	1,985,150	689	27,515	2,013,353
7512 - Bus Drivers, Subway Operators and Other Transit Operators	934	-	-	934	339,943	-	1,539	341,482
7521 - Heavy Equipment Operators (Except Crane)	2,297	-	-	2,297	3,774,206	1,457	83,023	3,858,686
7533 - Boat and Cable Ferry Operators and Related Occupations	-	-	-	-	5,635	-	-	5,635
7611 - Construction Trades Helpers and Labourers	464	-	-	464	1,141,053	189	45,125	1,186,367
7612 - Other Trades Helpers and Labourers	3,655	-	-	3,655	5,694,977	3,807	66,185	5,764,968
8211 - Supervisors, Logging and Forestry	-	-	-	-	58,359	-	700	59,059
8241 - Logging Machinery Operators	-	-	-	-	483,992	-	6,996	490,988
8616 - Logging and Forestry Labourers	-	-	-	-	81,250	60	6,723	88,033
9241 - Power Engineers and power system operators	-	-	672	672	37,660	-	32,145	69,804
All Occupation Codes	83,393	5,621	40,874	129,888	40,125,098	1,725,059	6,068,473	47,918,630

Table23-Residents Hired by 4-Digit NOC Code (November 2020)

4-Digit NOC Code	C&A			E&D			PM			Total		
	Res	Total Persons	Res as % of Total	Res	Total Persons	Res as % of Total	Res	Total Persons	Res as % of Total	Res	Total Persons	Res as % of Total
0016 - Senior Managers - Goods Production, Utilities, Transportation and Construction	1	1	100%	-	-	0%	2	7	29%	3	8	38%
0111 - Financial Managers	1	1	100%	-	-	0%	3	3	100%	4	4	100%
0112 - Human Resources Managers	1	1	100%	1	1	100%	2	2	100%	4	4	100%
0113 - Purchasing Managers	-	-	0%	-	-	0%	1	1	100%	1	1	100%
0114 - Other Administrative Services Managers	1	1	100%	-	-	0%	1	1	100%	2	2	100%
0124 - Advertising, marketing and public relations managers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
0125 - Other Business Services Managers	-	-	0%	-	-	0%	3	3	100%	3	3	100%
0211 - Engineering Managers	1	1	100%	-	2	0%	8	9	89%	9	12	75%
0213 - Computer and Information Systems Managers	-	-	0%	1	1	100%	1	1	100%	2	2	100%
0711 - Construction Managers	3	3	100%	-	-	0%	10	13	77%	13	16	81%
1111 - Financial Auditors and Accountants	-	-	0%	-	-	0%	2	2	100%	2	2	100%
1114 - Other Financial Officers	3	4	75%	-	-	0%	7	7	100%	10	11	91%
1121 - Human Resources professionals	1	1	100%	-	-	0%	3	3	100%	4	4	100%
1122 - Professional Occupations in Business management consulting	-	-	0%	-	-	0%	-	-	0%	-	-	0%
1123 - Professional occupations in advertising, marketing and public relations	-	-	0%	-	-	0%	2	2	100%	2	2	100%
1221 - Administrative Officers	-	-	0%	1	1	100%	3	3	100%	4	4	100%
1223 - Human resources and Recruitment Officers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
1225 - Purchasing Agents and Officers	1	1	100%	-	-	0%	9	10	90%	10	11	91%
1241 - Administrative Assistants	3	3	100%	1	2	50%	10	10	100%	14	15	93%
1311 - Accounting technicians and bookkeepers	-	-	0%	1	1	100%	11	11	100%	12	12	100%
1411 - General Office support workers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
1431 - Accounting and Related Clerks	-	-	0%	-	-	0%	2	2	100%	2	2	100%
2113 - Geologists, Geochemists and Geophysicists	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2131 - Civil Engineers	1	1	100%	4	7	57%	12	13	92%	17	21	81%
2132 - Mechanical Engineers	1	3	33%	1	5	20%	19	22	86%	21	30	70%
2133 - Electrical and Electronics Engineers	1	3	33%	-	8	0%	13	23	57%	14	34	41%
2141 - Industrial and Manufacturing Engineers	4	4	100%	-	-	0%	10	12	83%	14	16	88%
2144 - Geological Engineers	-	-	0%	-	1	0%	-	-	0%	-	1	0%
2147 - Computer Engineers (Except Software Engineers and Designers)	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2148 - Other Professional Engineers, n.e.c.	6	8	75%	1	3	33%	19	23	83%	26	34	76%

4-Digit NOC Code	C&A			E&D			PM			Total		
	Res	Total Persons	Res as % of Total	Res	Total Persons	Res as % of Total	Res	Total Persons	Res as % of Total	Res	Total Persons	Res as % of Total
	2151 - Architects	-	-	0%	-	-	0%	-	-	0%	-	-
2153 - Urban and Land Use Planners	-	-	0%	-	-	0%	2	2	100%	2	2	100%
2154 - Land Surveyors	-	-	0%	-	-	0%	2	2	100%	2	2	100%
2171 - Information Systems Analysts and Consultants	-	-	0%	1	1	100%	7	7	100%	8	8	100%
2221 - Biological Technologists and Technicians	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2231 - Civil Engineering Technologists and Technicians	-	-	0%	2	2	100%	2	2	100%	4	4	100%
2232 - Mechanical Engineering Technologists and Technicians	5	6	83%	-	-	0%	1	1	100%	6	7	86%
2234 - Construction Estimators	-	-	0%	-	-	0%	-	1	0%	-	1	0%
2241 - Electrical and Electronics Engineering Technologists and Technicians	1	1	100%	1	2	50%	19	20	95%	21	23	91%
2243 - Industrial Instrument Technicians and Mechanics	2	2	100%	-	-	0%	-	-	0%	2	2	100%
2251 - Architectural Technologists and Technicians	1	1	100%	-	-	0%	-	-	0%	1	1	100%
2253 - Drafting Technologists and Technicians	-	-	0%	2	4	50%	1	1	100%	3	5	60%
2263 - Inspectors in Public and Environmental Health and Occupational Health and Safety	4	5	80%	4	4	100%	10	12	83%	18	21	86%
2264 - Construction Inspectors	-	-	0%	-	-	0%	1	2	50%	1	2	50%
2271 - Air Pilots, Flight Engineers and Flying Instructors	-	-	0%	-	-	0%	-	-	0%	-	-	0%
3234 - Paramedical Occupations	15	15	100%	-	-	0%	1	1	100%	16	16	100%
4112 - Lawyers and Quebec Notaries	-	-	0%	-	-	0%	4	4	100%	4	4	100%
4161 - Natural and Applied Science Policy Researchers, Consultants and Program Officers	-	-	0%	-	1	0%	7	7	100%	7	8	88%
4162 - Economists and Economic Policy Researchers and Analysts	-	-	0%	-	-	0%	-	-	0%	-	-	0%
4169 - Other Professional Occupations in Social Science, n.e.c.	-	-	0%	-	-	0%	-	-	0%	-	-	0%
4312 - Firefighters	4	4	100%	-	1	0%	-	-	0%	4	5	80%
6313 - Accommodation, travel, tourism and related services supervisors	3	5	60%	-	-	0%	-	-	0%	3	5	60%
6321 - Chefs	-	-	0%	-	-	0%	-	-	0%	-	-	0%
6322 - Cooks	5	5	100%	-	-	0%	-	-	0%	5	5	100%
6541 - Security Guards and Related security service Occupations	31	32	97%	1	1	100%	-	-	0%	32	33	97%
6711 - Food Counter Attendants, Kitchen Helpers and Related support Occupations	57	57	100%	-	-	0%	-	-	0%	57	57	100%
7201 - Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations	3	3	100%	-	-	0%	-	-	0%	3	3	100%

4-Digit NOC Code	C&A			E&D			PM			Total		
	Res	Total Persons	Res as % of Total	Res	Total Persons	Res as % of Total	Res	Total Persons	Res as % of Total	Res	Total Persons	Res as % of Total
	7202 - Contractors and Supervisors, Electrical Trades and Telecommunications Occupations	5	5	100%	-	-	0%	1	1	100%	6	6
7203 - Contractors and Supervisors, Pipefitting Trades	4	4	100%	-	-	0%	-	-	0%	4	4	100%
7204 - Contractors and Supervisors, Carpentry Trades	4	4	100%	-	-	0%	-	-	0%	4	4	100%
7205 - Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers	4	4	100%	-	-	0%	1	1	100%	5	5	100%
7233 - Sheet Metal Workers	29	30	97%	-	-	0%	-	-	0%	29	30	97%
7234 - Boilermakers	2	2	100%	-	-	0%	-	-	0%	2	2	100%
7236 - Ironworkers	4	4	100%	-	-	0%	-	-	0%	4	4	100%
7237 - Welders and Related Machine Operators	3	3	100%	-	-	0%	-	-	0%	3	3	100%
7242 - Industrial Electricians	51	51	100%	-	-	0%	14	14	100%	65	65	100%
7244 - Electrical Power Line and Cable Workers	-	-	0%	-	-	0%	2	2	100%	2	2	100%
7251 - Plumbers	2	2	100%	-	-	0%	-	-	0%	2	2	100%
7252 - Steamfitters, Pipefitters and Sprinkler System Installers	25	25	100%	-	-	0%	-	-	0%	25	25	100%
7271 - Carpenters	33	33	100%	-	-	0%	-	-	0%	33	33	100%
7281 - Bricklayers	13	13	100%	-	-	0%	-	-	0%	13	13	100%
7293 - Insulators	7	7	100%	-	-	0%	-	-	0%	7	7	100%
7294 - Painters and Decorators (except interior decorators)	10	11	91%	-	-	0%	-	-	0%	10	11	91%
7301 - Contractors and supervisors, mechanic trades	8	8	100%	-	-	0%	-	-	0%	8	8	100%
7302 - Contractors and supervisors, heavy equipment operator crews	4	4	100%	-	-	0%	-	-	0%	4	4	100%
7311 - Construction Millwrights and Industrial Mechanics	90	92	98%	-	-	0%	1	1	100%	91	93	98%
7312 - Heavy- Duty Equipment Mechanics	3	3	100%	-	-	0%	-	-	0%	3	3	100%
7371 - Crane Operators	6	6	100%	-	-	0%	-	-	0%	6	6	100%
7372 - Drillers and Blasters - Surface Mining, Quarrying and Construction	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7384 - Other Trades and Related Occupations, n.e.c.	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7452 - Material Handlers	19	19	100%	-	-	0%	4	4	100%	23	23	100%
7511 - Transport Truck Drivers	10	10	100%	-	-	0%	-	-	0%	10	10	100%
7512 - Bus Drivers, Subway Operators and Other Transit Operators	15	15	100%	-	-	0%	-	-	0%	15	15	100%
7521 - Heavy Equipment Operators (Except Crane)	16	16	100%	-	-	0%	-	-	0%	16	16	100%
7533 - Boat and Cable Ferry Operators and Related Occupations	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7611 - Construction Trades Helpers and Labourers	3	3	100%	-	-	0%	-	-	0%	3	3	100%
7612 - Other Trades Helpers and Labourers	25	25	100%	-	-	0%	-	-	0%	25	25	100%

4-Digit NOC Code	C&A			E&D			PM			Total		
	Res	Total Persons	Res as % of Total	Res	Total Persons	Res as % of Total	Res	Total Persons	Res as % of Total	Res	Total Persons	Res as % of Total
8211 - Supervisors, Logging and Forestry	-	-	0%	-	-	0%	-	-	0%	-	-	0%
8241 - Logging Machinery Operators	-	-	0%	-	-	0%	-	-	0%	-	-	0%
8616 - Logging and Forestry Labourers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
9241 - Power Engineers and power system operators	-	-	0%	-	-	0%	6	6	100%	6	6	100%
Totals	555	571	97%	22	48	46%	239	274	87%	816	893	91%

Table 24- Female Workers Hired by 4-Digit NOC Code (November 2020)

4-Digit NOC Code	C&A			E&D			PM			Total		
	Females	Total Persons	Females as % of Total	Females	Total Persons	Females as % of Total	Females	Total Persons	Females as % of Total	Females	Total Persons	Females as % of Total
0016 - Senior Managers – Goods Production, Utilities, Transportation and Construction	-	1	0%	-	-	0%	-	7	0%	-	8	0%
0111 - Financial Managers	-	1	0%	-	-	0%	1	3	33%	1	4	25%
0112 - Human Resources Managers	-	1	0%	1	1	100%	1	2	50%	2	4	50%
0113 - Purchasing Managers	-	-	0%	-	-	0%	-	1	0%	-	1	0%
0114 - Other Administrative Services Managers	1	1	100%	-	-	0%	-	1	0%	1	2	50%
0124 - Advertising, marketing and public relations managers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
0125 - Other Business Services Managers	-	-	0%	-	-	0%	2	3	67%	2	3	67%
0211 - Engineering Managers	-	1	0%	-	2	0%	1	9	11%	1	12	8%
0213 - Computer and Information Systems Managers	-	-	0%	-	1	0%	-	1	0%	-	2	0%
0711 - Construction Managers	-	3	0%	-	-	0%	-	13	0%	-	16	0%
1111 - Financial Auditors and Accountants	-	-	0%	-	-	0%	-	2	0%	-	2	0%
1114 - Other Financial Officers	3	4	75%	-	-	0%	5	7	71%	8	11	73%
1121 - Human Resources professionals	-	1	0%	-	-	0%	1	3	33%	1	4	25%
1122 - Professional Occupations in Business management consulting	-	-	0%	-	-	0%	-	-	0%	-	-	0%
1123 - Professional occupations in advertising, marketing and public relations	-	-	0%	-	-	0%	2	2	100%	2	2	100%
1221 - Administrative Officers	-	-	0%	1	1	100%	2	3	67%	3	4	75%
1223 - Human resources and Recruitment Officers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
1225 - Purchasing Agents and Officers	-	1	0%	-	-	0%	4	10	40%	4	11	36%
1241 - Administrative Assistants	2	3	67%	2	2	100%	9	10	90%	13	15	87%
1311 - Accounting technicians and bookkeepers	-	-	0%	-	1	0%	11	11	100%	11	12	92%
1411 - General Office support workers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
1431 - Accounting and Related Clerks	-	-	0%	-	-	0%	1	2	50%	1	2	50%
2113 - Geologists, Geochemists and Geophysicists	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2131 - Civil Engineers	-	1	0%	1	7	14%	2	13	15%	3	21	14%
2132 - Mechanical Engineers	1	3	33%	-	5	0%	4	22	18%	5	30	17%
2133 - Electrical and Electronics Engineers	-	3	0%	-	8	0%	2	23	9%	2	34	6%
2141 - Industrial and Manufacturing Engineers	-	4	0%	-	-	0%	1	12	8%	1	16	6%
2144 - Geological Engineers	-	-	0%	-	1	0%	-	-	0%	-	1	0%
2147 - Computer Engineers (Except Software Engineers and Designers)	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2148 - Other Professional Engineers, n.e.c.	-	8	0%	1	3	33%	2	23	9%	3	34	9%

4-Digit NOC Code	C&A			E&D			PM			Total		
	Females	Total Persons	Females as % of Total	Females	Total Persons	Females as % of Total	Females	Total Persons	Females as % of Total	Females	Total Persons	Females as % of Total
2151 - Architects	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2153 - Urban and Land Use Planners	-	-	0%	-	-	0%	-	2	0%	-	2	0%
2154 - Land Surveyors	-	-	0%	-	-	0%	-	2	0%	-	2	0%
2171 - Information Systems Analysts and Consultants	-	-	0%	-	1	0%	2	7	29%	2	8	25%
2221 - Biological Technologists and Technicians	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2231 -Civil Engineering Technologists and Technicians	-	-	0%	-	2	0%	-	2	0%	-	4	0%
2232 - Mechanical Engineering Technologists and Technicians	-	6	0%	-	-	0%	-	1	0%	-	7	0%
2234 - Construction Estimators	-	-	0%	-	-	0%	-	1	0%	-	1	0%
2241 - Electrical and Electronics Engineering Technologists and Technicians	-	1	0%	-	2	0%	1	20	5%	1	23	4%
2243 - Industrial Instrument Technicians and Mechanics	-	2	0%	-	-	0%	-	-	0%	-	2	0%
2251 -Architectural Technologists and Technicians	-	1	0%	-	-	0%	-	-	0%	-	1	0%
2253 - Drafting Technologists and Technicians	-	-	0%	-	4	0%	1	1	100%	1	5	20%
2263 - Inspectors in Public and Environmental Health and Occupational Health and Safety	1	5	20%	-	4	0%	1	12	8%	2	21	10%
2264 - Construction Inspectors	-	-	0%	-	-	0%	-	2	0%	-	2	0%
2271 -Air Pilots ,Flight Engineers and Flying Instructors	-	-	0%	-	-	0%	-	-	0%	-	-	0%
3234 -Paramedical Occupations	4	15	27%	-	-	0%	-	1	0%	4	16	25%
4112 -Lawyers and Quebec Notaries	-	-	0%	-	-	0%	3	4	75%	3	4	75%
4161 - Natural and Applied Science Policy Researchers, Consultants and Program Officers	-	-	0%	-	1	0%	3	7	43%	3	8	38%
4162 - Economists and Economic Policy Researchers and Analysts	-	-	0%	-	-	0%	-	-	0%	-	-	0%
4169 - Other Professional Occupations in Social Science, n.e.c.	-	-	0%	-	-	0%	-	-	0%	-	-	0%
4312 - Firefighters	-	4	0%	-	1	0%	-	-	0%	-	5	0%
6313 - Accommodation, travel, tourism and related services supervisors	1	5	20%	-	-	0%	-	-	0%	1	5	20%
6321 -Chefs	-	-	0%	-	-	0%	-	-	0%	-	-	0%
6322 - Cooks	-	5	0%	-	-	0%	-	-	0%	-	5	0%
6541 - Security Guards and Related security service Occupations	6	32	19%	-	1	0%	-	-	0%	6	33	18%
6711 - Food Counter Attendants, Kitchen Helpers and Related support Occupations	33	57	58%	-	-	0%	-	-	0%	33	57	58%

4-Digit NOC Code	C&A			E&D			PM			Total		
	Females	Total Persons	Females as % of Total	Females	Total Persons	Females as % of Total	Females	Total Persons	Females as % of Total	Females	Total Persons	Females as % of Total
7201 - Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations	-	3	0%	-	-	0%	-	-	0%	-	3	0%
7202 -Contractors and Supervisors, Electrical Trades and Telecommunications Occupations	-	5	0%	-	-	0%	-	1	0%	-	6	0%
7203 - Contractors and Supervisors, Pipefitting Trades	-	4	0%	-	-	0%	-	-	0%	-	4	0%
7204 - Contractors and Supervisors, Carpentry Trades	-	4	0%	-	-	0%	-	-	0%	-	4	0%
7205 - Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicicers	-	4	0%	-	-	0%	-	1	0%	-	5	0%
7233 - Sheet Metal Workers	1	30	3%	-	-	0%	-	-	0%	1	30	3%
7234 - Boilermakers	-	2	0%	-	-	0%	-	-	0%	-	2	0%
7236 - Ironworkers	-	4	0%	-	-	0%	-	-	0%	-	4	0%
7237 - Welders and Related Machine Operators	-	3	0%	-	-	0%	-	-	0%	-	3	0%
7242 - Industrial Electricians	2	51	4%	-	-	0%	-	14	0%	2	65	3%
7244 - Electrical Power Line and Cable Workers	-	-	0%	-	-	0%	-	2	0%	-	2	0%
7251 - Plumbers	-	2	0%	-	-	0%	-	-	0%	-	2	0%
7252 - Steamfitters, Pipefitters and Sprinkler System Installers	1	25	4%	-	-	0%	-	-	0%	1	25	4%
7271 - Carpenters	1	33	3%	-	-	0%	-	-	0%	1	33	3%
7281 - Bricklayers	-	13	0%	-	-	0%	-	-	0%	-	13	0%
7293 - Insulators	-	7	0%	-	-	0%	-	-	0%	-	7	0%
7294 - Painters and Decorators (except interior decorators)	-	11	0%	-	-	0%	-	-	0%	-	11	0%
7301 - Contractors and supervisors, mechanic trades	-	8	0%	-	-	0%	-	-	0%	-	8	0%
7302 - Contractors and supervisors, heavy equipment operator crews	-	4	0%	-	-	0%	-	-	0%	-	4	0%
7311 - Construction Millwrights and Industrial Mechanics	7	92	8%	-	-	0%	-	1	0%	7	93	8%
7312 - Heavy-Duty Equipment Mechanics	-	3	0%	-	-	0%	-	-	0%	-	3	0%
7371 - Crane Operators	1	6	17%	-	-	0%	-	-	0%	1	6	17%
7372 - Drillers and Blasters-Surface Mining, Quarrying and Construction	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7384 - Other Trades and Related Occupations, n.e.c.	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7452 -Material Handlers	-	19	0%	-	-	0%	2	4	50%	2	23	9%
7511 - Transport Truck Drivers	-	10	0%	-	-	0%	-	-	0%	-	10	0%
7512 – Bus Drivers, Subway Operators and Other Transit Operators	-	15	0%	-	-	0%	-	-	0%	-	15	0%
7521 - Heavy Equipment Operators (Except Crane)	-	16	0%	-	-	0%	-	-	0%	-	16	0%

4-Digit NOC Code	C&A			E&D			PM			Total		
	Females	Total	Females as % of Total	Females	Total	Females as % of Total	Females	Total	Females as % of Total	Females	Total	Females as % of Total
		Persons	Total		Persons	Total		Persons	Total		Persons	Total
7533 - Boat and Cable Ferry Operators and Related Occupations	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7611 - Construction Trades Helpers and Labourers	1	3	33%	-	-	0%	-	-	0%	1	3	33%
7612 - Other Trades Helpers and Labourers	6	25	24%	-	-	0%	-	-	0%	6	25	24%
8211 - Supervisors, Logging and Forestry	-	-	0%	-	-	0%	-	-	0%	-	-	0%
8241 - Logging Machinery Operators	-	-	0%	-	-	0%	-	-	0%	-	-	0%
8616 - Logging and Forestry Labourers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
9241 - Power Engineers and power system operators	-	-	0%	-	-	0%	-	6	0%	-	6	0%
Total	72	571	13%	6	48	13%	64	274	23%	142	893	16%

Table 25 – Indigenous Workers by 4-Digit NOC Code (November 2020)

4-Digit NOC Code	C&A			E&D			PM			Total		
	Indigenous	Total Persons	Indigenous as % of Total	Indigenous	Total Persons	Indigenous as % of Total	Indigenous	Total Persons	Indigenous as % of Total	Indigenous	Total Persons	Indigenous as % of Total
0016 - Senior Managers - Goods Production, Utilities, Transportation and Construction	-	1	0%	-	-	0%	-	7	0%	-	8	0%
0111 - Financial Managers	-	1	0%	-	-	0%	-	3	0%	-	4	0%
0112 - Human Resources Managers	-	1	0%	-	1	0%	-	2	0%	-	4	0%
0113 - Purchasing Managers	-	-	0%	-	-	0%	-	1	0%	-	1	0%
0114 - Other Administrative Services Managers	-	1	0%	-	-	0%	-	1	0%	-	2	0%
0124 - Advertising, marketing and public relations managers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
0125 - Other Business Services Managers	-	-	0%	-	-	0%	-	3	0%	-	3	0%
0211 - Engineering Managers	-	1	0%	-	2	0%	-	9	0%	-	12	0%
0213 - Computer and Information Systems Managers	-	-	0%	-	1	0%	-	1	0%	-	2	0%
0711 - Construction Managers	-	3	0%	-	-	0%	-	13	0%	-	16	0%
1111 - Financial Auditors and Accountants	-	-	0%	-	-	0%	-	2	0%	-	2	0%
1114 - Other Financial Officers	-	4	0%	-	-	0%	-	7	0%	-	11	0%
1121 - Human Resources professionals	-	1	0%	-	-	0%	2	3	67%	2	4	50%
1122 - Professional Occupations in Business management consulting	-	-	0%	-	-	0%	-	-	0%	-	-	0%
1123 - Professional occupations in advertising, marketing and public relations	-	-	0%	-	-	0%	-	2	0%	-	2	0%
1221 - Administrative Officers	-	-	0%	-	1	0%	-	3	0%	-	4	0%
1223 - Human resources and Recruitment Officers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
1225 - Purchasing Agents and Officers	-	1	0%	-	-	0%	-	10	0%	-	11	0%
1241 - Administrative Assistants	-	3	0%	-	2	0%	-	10	0%	-	15	0%
1311 - Accounting technicians and bookkeepers	-	-	0%	-	1	0%	-	11	0%	-	12	0%
1411 - General Office support workers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
1431 - Accounting and Related Clerks	-	-	0%	-	-	0%	-	2	0%	-	2	0%
2113 - Geologists, Geochemists and Geophysicists	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2131 - Civil Engineers	-	1	0%	-	7	0%	-	13	0%	-	21	0%
2132 - Mechanical Engineers	-	3	0%	1	5	20%	-	22	0%	1	30	3%
2133 - Electrical and Electronics Engineers	-	3	0%	-	8	0%	-	23	0%	-	34	0%
2141 - Industrial and Manufacturing Engineers	-	4	0%	-	-	0%	-	12	0%	-	16	0%
2144 - Geological Engineers	-	-	0%	-	1	0%	-	-	0%	-	1	0%

4-Digit NOC Code	C&A			E&D			PM			Total		
	Indigenous	Total Persons	Indigenous as % of Total	Indigenous	Total Persons	Indigenous as % of Total	Indigenous	Total Persons	Indigenous as % of Total	Indigenous	Total Persons	Indigenous as % of Total
2147 - Computer Engineers (Except Software Engineers and Designers)	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2148 - Other Professional Engineers, n.e.c.	-	8	0%	-	3	0%	-	23	0%	-	34	0%
2151 - Architects	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2153 - Urban and Land Use Planners	-	-	0%	-	-	0%	-	2	0%	-	2	0%
2154 - Land Surveyors	-	-	0%	-	-	0%	-	2	0%	-	2	0%
2171 - Information Systems Analysts and Consultants	-	-	0%	-	1	0%	-	7	0%	-	8	0%
2221 - Biological Technologists and Technicians	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2231 - Civil Engineering Technologists and Technicians	-	-	0%	-	2	0%	1	2	50%	1	4	25%
2232 - Mechanical Engineering Technologists and Technicians	1	6	17%	-	-	0%	-	1	0%	1	7	14%
2234 - Construction Estimators	-	-	0%	-	-	0%	-	1	0%	-	1	0%
2241 - Electrical and Electronics Engineering Technologists and Technicians	-	1	0%	-	2	0%	-	20	0%	-	23	0%
2243 - Industrial Instrument Technicians and Mechanics	-	2	0%	-	-	0%	-	-	0%	-	2	0%
2251 - Architectural Technologists and Technicians	-	1	0%	-	-	0%	-	-	0%	-	1	0%
2253 - Drafting Technologists and Technicians	-	-	0%	-	4	0%	-	1	0%	-	5	0%
2263 - Inspectors in Public and Environmental Health and Occupational Health and Safety	-	5	0%	-	4	0%	-	12	0%	-	21	0%
2264 - Construction Inspectors	-	-	0%	-	-	0%	-	2	0%	-	2	0%
2271 - Air Pilots, Flight Engineers and Flying Instructors	-	-	0%	-	-	0%	-	-	0%	-	-	0%
3234 - Paramedical Occupations	-	15	0%	-	-	0%	-	1	0%	-	16	0%
4112 - Lawyers and Quebec Notaries	-	-	0%	-	-	0%	-	4	0%	-	4	0%
4161 - Natural and Applied Science Policy Researchers, Consultants and Program Officers	-	-	0%	-	1	0%	-	7	0%	-	8	0%
4162 - Economists and Economic Policy Researchers and Analysts	-	-	0%	-	-	0%	-	-	0%	-	-	0%
4169 - Other Professional Occupations in Social Science, n.e.c.	-	-	0%	-	-	0%	-	-	0%	-	-	0%
4312 - Firefighters	-	4	0%	-	1	0%	-	-	0%	-	5	0%
6313 - Accommodation, travel, tourism and related services supervisors	-	5	0%	-	-	0%	-	-	0%	-	5	0%
6321 - Chefs	-	-	0%	-	-	0%	-	-	0%	-	-	0%
6322 - Cooks	-	5	0%	-	-	0%	-	-	0%	-	5	0%

4-Digit NOC Code	C&A			E&D			PM			Total		
	Indigenous	Total Persons	Indigenous as % of Total	Indigenous	Total Persons	Indigenous as % of Total	Indigenous	Total Persons	Indigenous as % of Total	Indigenous	Total Persons	Indigenous as % of Total
6541 - Security Guards and Related security service Occupations	4	32	13%	-	1	0%	-	-	0%	4	33	12%
6711 - Food Counter Attendants, Kitchen Helpers and Related support Occupations	16	57	28%	-	-	0%	-	-	0%	16	57	28%
7201 - Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations	-	3	0%	-	-	0%	-	-	0%	-	3	0%
7202 - Contractors and Supervisors, Electrical Trades and Telecommunications Occupations	1	5	20%	-	-	0%	-	1	0%	1	6	17%
7203 - Contractors and Supervisors, Pipefitting Trades	-	4	0%	-	-	0%	-	-	0%	-	4	0%
7204 - Contractors and Supervisors, Carpentry Trades	-	4	0%	-	-	0%	-	-	0%	-	4	0%
7205 - Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers	-	4	0%	-	-	0%	-	1	0%	-	5	0%
7233 - Sheet Metal Workers	1	30	3%	-	-	0%	-	-	0%	1	30	3%
7234 - Boilermakers	-	2	0%	-	-	0%	-	-	0%	-	2	0%
7236 - Ironworkers	-	4	0%	-	-	0%	-	-	0%	-	4	0%
7237 - Welders and Related Machine Operators	-	3	0%	-	-	0%	-	-	0%	-	3	0%
7242 - Industrial Electricians	1	51	2%	-	-	0%	1	14	7%	2	65	3%
7244 - Electrical Power Line and Cable Workers	-	-	0%	-	-	0%	-	2	0%	-	2	0%
7251 - Plumbers	-	2	0%	-	-	0%	-	-	0%	-	2	0%
7252 - Steamfitters, Pipefitters and Sprinkler System Installers	2	25	8%	-	-	0%	-	-	0%	2	25	8%
7271 - Carpenters	3	33	9%	-	-	0%	-	-	0%	3	33	9%
7281 - Bricklayers	-	13	0%	-	-	0%	-	-	0%	-	13	0%
7293 - Insulators	-	7	0%	-	-	0%	-	-	0%	-	7	0%
7294 - Painters and Decorators (except interior decorators)	-	11	0%	-	-	0%	-	-	0%	-	11	0%
7301 - Contractors and supervisors, mechanic trades	-	8	0%	-	-	0%	-	-	0%	-	8	0%
7302 - Contractors and supervisors, heavy equipment operator crews	-	4	0%	-	-	0%	-	-	0%	-	4	0%
7311 - Construction Millwrights and Industrial Mechanics	-	92	0%	-	-	0%	-	1	0%	-	93	0%
7312 - Heavy- Duty Equipment Mechanics	-	3	0%	-	-	0%	-	-	0%	-	3	0%
7371 - Crane Operators	-	6	0%	-	-	0%	-	-	0%	-	6	0%
7372 - Drillers and Blasters - Surface Mining, Quarrying and Construction	-	-	0%	-	-	0%	-	-	0%	-	-	0%

4-Digit NOC Code	C&A			E&D			PM			Total		
	Indigenous	Total Persons	Indigenous as % of Total	Indigenous	Total Persons	Indigenous as % of Total	Indigenous	Total Persons	Indigenous as % of Total	Indigenous	Total Persons	Indigenous as % of Total
7384 - Other Trades and Related Occupations, n.e.c.	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7452 - Material Handlers	-	19	0%	-	-	0%	-	4	0%	-	23	0%
7511 - Transport Truck Drivers	1	10	10%	-	-	0%	-	-	0%	1	10	10%
7512 - Bus Drivers, Subway Operators and Other Transit Operators	3	15	20%	-	-	0%	-	-	0%	3	15	20%
7521 - Heavy Equipment Operators (Except Crane)	3	16	19%	-	-	0%	-	-	0%	3	16	19%
7533 - Boat and Cable Ferry Operators and Related Occupations	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7611 - Construction Trades Helpers and Labourers	1	3	33%	-	-	0%	-	-	0%	1	3	33%
7612 - Other Trades Helpers and Labourers	12	25	48%	-	-	0%	-	-	0%	12	25	48%
8211 - Supervisors, Logging and Forestry	-	-	0%	-	-	0%	-	-	0%	-	-	0%
8241 - Logging Machinery Operators	-	-	0%	-	-	0%	-	-	0%	-	-	0%
8616 - Logging and Forestry Labourers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
9241 - Power Engineers and power system operators	-	-	0%	-	-	0%	-	6	0%	-	6	0%
Totals	49	571	9%	1	48	2%	4	274	1%	54	893	6%

Table 26 – Labrador Residents by 4-Digit NOC Code (November 2020)

4-Digit NOC Code	C&A			E&D			PM			Total		
	Lab Residents	Total Persons	Lab Residents as % of Total	Lab Residents	Total Persons	Lab Residents as % of Total	Lab Residents	Total Persons	Lab Residents as % of Total	Lab Residents	Total Persons	Lab Residents as % of Total
0016 - Senior Managers - Goods Production, Utilities, Transportation and Construction	-	1	0%	-	-	0%	-	7	0%	-	8	0%
0111 - Financial Managers	-	1	0%	-	-	0%	-	3	0%	-	4	0%
0112 - Human Resources Managers	-	1	0%	-	1	0%	1	2	50%	1	4	25%
0113 - Purchasing Managers	-	-	0%	-	-	0%	-	1	0%	-	1	0%
0114 - Other Administrative Services Managers	-	1	0%	-	-	0%	-	1	0%	-	2	0%
0124 - Advertising, marketing and public relations managers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
0125 - Other Business Services Managers	-	-	0%	-	-	0%	-	3	0%	-	3	0%
0211 - Engineering Managers	-	1	0%	-	2	0%	-	9	0%	-	12	0%
0213 - Computer and Information Systems Managers	-	-	0%	-	1	0%	-	1	0%	-	2	0%
0711 - Construction Managers	-	3	0%	-	-	0%	1	13	8%	1	16	6%
1111 - Financial Auditors and Accountants	-	-	0%	-	-	0%	-	2	0%	-	2	0%
1114 - Other Financial Officers	-	4	0%	-	-	0%	-	7	0%	-	11	0%
1121 - Human Resources professionals	-	1	0%	-	-	0%	2	3	67%	2	4	50%
1122 - Professional Occupations in Business management consulting	-	-	0%	-	-	0%	-	-	0%	-	-	0%
1123 - Professional occupations in advertising, marketing and public relations	-	-	0%	-	-	0%	-	2	0%	-	2	0%
1221 - Administrative Officers	-	-	0%	-	1	0%	2	3	67%	2	4	50%
1223 - Human resources and Recruitment Officers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
1225 - Purchasing Agents and Officers	-	1	0%	-	-	0%	-	10	0%	-	11	0%
1241 - Administrative Assistants	-	3	0%	-	2	0%	1	10	10%	1	15	7%
1311 - Accounting technicians and bookkeepers	-	-	0%	-	1	0%	-	11	0%	-	12	0%
1411 - General Office support workers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
1431 - Accounting and Related Clerks	-	-	0%	-	-	0%	-	2	0%	-	2	0%
2113 - Geologists, Geochemists and Geophysicists	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2131 - Civil Engineers	-	1	0%	-	7	0%	1	13	8%	1	21	5%
2132 - Mechanical Engineers	-	3	0%	1	5	20%	-	22	0%	1	30	3%
2133 - Electrical and Electronics Engineers	-	3	0%	-	8	0%	1	23	4%	1	34	3%
2141 - Industrial and Manufacturing Engineers	-	4	0%	-	-	0%	-	12	0%	-	16	0%
2144 - Geological Engineers	-	-	0%	-	1	0%	-	-	0%	-	1	0%

4-Digit NOC Code	C&A			E&D			PM			Total		
	Lab Residents	Total Persons	Lab Residents as % of Total	Lab Residents	Total Persons	Lab Residents as % of Total	Lab Residents	Total Persons	Lab Residents as % of Total	Lab Residents	Total Persons	Lab Residents as % of Total
2147 - Computer Engineers (Except Software Engineers and Designers)	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2148 - Other Professional Engineers, n.e.c.	-	8	0%	-	3	0%	-	23	0%	-	34	0%
2151 - Architects	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2153 - Urban and Land Use Planners	-	-	0%	-	-	0%	-	2	0%	-	2	0%
2154 - Land Surveyors	-	-	0%	-	-	0%	-	2	0%	-	2	0%
2171 - Information Systems Analysts and Consultants	-	-	0%	-	1	0%	1	7	14%	1	8	13%
2221 - Biological Technologists and Technicians	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2231 - Civil Engineering Technologists and Technicians	-	-	0%	-	2	0%	-	2	0%	-	4	0%
2232 - Mechanical Engineering Technologists and Technicians	1	6	17%	-	-	0%	-	1	0%	1	7	14%
2234 - Construction Estimators	-	-	0%	-	-	0%	-	1	0%	-	1	0%
2241 - Electrical and Electronics Engineering Technologists and Technicians	-	1	0%	-	2	0%	4	20	20%	4	23	17%
2243 - Industrial Instrument Technicians and Mechanics	-	2	0%	-	-	0%	-	-	0%	-	2	0%
2251 - Architectural Technologists and Technicians	-	1	0%	-	-	0%	-	-	0%	-	1	0%
2253 - Drafting Technologists and Technicians	-	-	0%	-	4	0%	-	1	0%	-	5	0%
2263 - Inspectors in Public and Environmental Health and Occupational Health and Safety	-	5	0%	1	4	25%	-	12	0%	1	21	5%
2264 - Construction Inspectors	-	-	0%	-	-	0%	-	2	0%	-	2	0%
2271 - Air Pilots, Flight Engineers and Flying Instructors	-	-	0%	-	-	0%	-	-	0%	-	-	0%
3234 - Paramedical Occupations	3	15	20%	-	-	0%	-	1	0%	3	16	19%
4112 - Lawyers and Quebec Notaries	-	-	0%	-	-	0%	-	4	0%	-	4	0%
4161 - Natural and Applied Science Policy Researchers, Consultants and Program Officers	-	-	0%	-	1	0%	-	7	0%	-	8	0%
4162 - Economists and Economic Policy Researchers and Analysts	-	-	0%	-	-	0%	-	-	0%	-	-	0%
4169 - Other Professional Occupations in Social Science, n.e.c.	-	-	0%	-	-	0%	-	-	0%	-	-	0%
4312 - Firefighters	-	4	0%	-	1	0%	-	-	0%	-	5	0%
6313 - Accommodation, travel, tourism and related services supervisors	-	5	0%	-	-	0%	-	-	0%	-	5	0%
6321 - Chefs	-	-	0%	-	-	0%	-	-	0%	-	-	0%
6322 - Cooks	-	5	0%	-	-	0%	-	-	0%	-	5	0%

4-Digit NOC Code	C&A			E&D			PM			Total		
	Lab Residents	Total Persons	Lab Residents as % of Total	Lab Residents	Total Persons	Lab Residents as % of Total	Lab Residents	Total Persons	Lab Residents as % of Total	Lab Residents	Total Persons	Lab Residents as % of Total
6541 - Security Guards and Related security service Occupations	15	32	47%	1	1	100%	-	-	0%	16	33	48%
6711 - Food Counter Attendants, Kitchen Helpers and Related support Occupations	37	57	65%	-	-	0%	-	-	0%	37	57	65%
7201 - Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations	-	3	0%	-	-	0%	-	-	0%	-	3	0%
7202 - Contractors and Supervisors, Electrical Trades and Telecommunications Occupations	-	5	0%	-	-	0%	-	1	0%	-	6	0%
7203 - Contractors and Supervisors, Pipefitting Trades	-	4	0%	-	-	0%	-	-	0%	-	4	0%
7204 - Contractors and Supervisors, Carpentry Trades	-	4	0%	-	-	0%	-	-	0%	-	4	0%
7205 - Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers	-	4	0%	-	-	0%	-	1	0%	-	5	0%
7233 - Sheet Metal Workers	3	30	10%	-	-	0%	-	-	0%	3	30	10%
7234 - Boilermakers	-	2	0%	-	-	0%	-	-	0%	-	2	0%
7236 - Ironworkers	-	4	0%	-	-	0%	-	-	0%	-	4	0%
7237 - Welders and Related Machine Operators	-	3	0%	-	-	0%	-	-	0%	-	3	0%
7242 - Industrial Electricians	13	51	25%	-	-	0%	1	14	7%	14	65	22%
7244 - Electrical Power Line and Cable Workers	-	-	0%	-	-	0%	-	2	0%	-	2	0%
7251 - Plumbers	1	2	50%	-	-	0%	-	-	0%	1	2	50%
7252 - Steamfitters, Pipefitters and Sprinkler System Installers	4	25	16%	-	-	0%	-	-	0%	4	25	16%
7271 - Carpenters	6	33	18%	-	-	0%	-	-	0%	6	33	18%
7281 - Bricklayers	-	13	0%	-	-	0%	-	-	0%	-	13	0%
7293 - Insulators	-	7	0%	-	-	0%	-	-	0%	-	7	0%
7294 - Painters and Decorators (except interior decorators)	1	11	9%	-	-	0%	-	-	0%	1	11	9%
7301 - Contractors and supervisors, mechanic trades	-	8	0%	-	-	0%	-	-	0%	-	8	0%
7302 - Contractors and supervisors, heavy equipment operator crews	-	4	0%	-	-	0%	-	-	0%	-	4	0%
7311 - Construction Millwrights and Industrial Mechanics	10	92	11%	-	-	0%	-	1	0%	10	93	11%
7312 - Heavy- Duty Equipment Mechanics	1	3	33%	-	-	0%	-	-	0%	1	3	33%
7371 - Crane Operators	1	6	17%	-	-	0%	-	-	0%	1	6	17%
7372 - Drillers and Blasters - Surface Mining, Quarrying and Construction	-	-	0%	-	-	0%	-	-	0%	-	-	0%

4-Digit NOC Code	C&A			E&D			PM			Total		
	Lab Residents	Total Persons	Lab Residents as % of Total	Lab Residents	Total Persons	Lab Residents as % of Total	Lab Residents	Total Persons	Lab Residents as % of Total	Lab Residents	Total Persons	Lab Residents as % of Total
7384 - Other Trades and Related Occupations, n.e.c.	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7452 - Material Handlers	11	19	58%	-	-	0%	1	4	25%	12	23	52%
7511 - Transport Truck Drivers	4	10	40%	-	-	0%	-	-	0%	4	10	40%
7512 - Bus Drivers, Subway Operators and Other Transit Operators	13	15	87%	-	-	0%	-	-	0%	13	15	87%
7521 - Heavy Equipment Operators (Except Crane)	9	16	56%	-	-	0%	-	-	0%	9	16	56%
7533 - Boat and Cable Ferry Operators and Related Occupations	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7611 - Construction Trades Helpers and Labourers	3	3	100%	-	-	0%	-	-	0%	3	3	100%
7612 - Other Trades Helpers and Labourers	19	25	76%	-	-	0%	-	-	0%	19	25	76%
8211 - Supervisors, Logging and Forestry	-	-	0%	-	-	0%	-	-	0%	-	-	0%
8241 - Logging Machinery Operators	-	-	0%	-	-	0%	-	-	0%	-	-	0%
8616 - Logging and Forestry Labourers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
9241 - Power Engineers and power system operators	-	-	0%	-	-	0%	-	6	0%	-	6	0%
Totals	155	571	27%	3	48	6%	16	274	6%	174	893	19%

Table 27 - Labrador Residents Working in Labrador by 4-Digit NOC Code (November 2020)

4-Digit NOC Code	C&A			E&D			PM			Total		
	Lab Residents	Total Persons Working in Lab	Lab Residents as % of Total	Lab Residents	Total Persons Working in Lab	Lab Residents as % of Total	Lab Residents	Total Persons Working in Lab	Lab Residents as % of Total	Lab Residents	Total Persons Working in Lab	Lab Residents as % of Total
0016 - Senior Managers - Goods Production, Utilities, Transportation and Construction	-	1	0%	-	-	0%	-	2	0%	-	3	0%
0111 - Financial Managers	-	1	0%	-	-	0%	-	-	0%	-	1	0%
0112 - Human Resources Managers	-	1	0%	-	-	0%	1	1	100%	1	2	50%
0113 - Purchasing Managers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
0114 - Other Administrative Services Managers	-	1	0%	-	-	0%	-	-	0%	-	1	0%
0124 - Advertising, marketing and public relations managers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
0125 - Other Business Services Managers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
0211 - Engineering Managers	-	1	0%	-	-	0%	-	-	0%	-	1	0%
0213 - Computer and Information Systems Managers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
0711 - Construction Managers	-	2	0%	-	-	0%	1	10	10%	1	12	8%
1111 - Financial Auditors and Accountants	-	-	0%	-	-	0%	-	-	0%	-	-	0%
1114 - Other Financial Officers	-	1	0%	-	-	0%	-	-	0%	-	1	0%
1121 - Human Resources professionals	-	-	0%	-	-	0%	2	2	100%	2	2	100%
1122 - Professional Occupations in Business management consulting	-	-	0%	-	-	0%	-	-	0%	-	-	0%
1123 - Professional occupations in advertising, marketing and public relations	-	-	0%	-	-	0%	-	-	0%	-	-	0%
1221 - Administrative Officers	-	-	0%	-	-	0%	2	2	100%	2	2	100%
1223 - Human resources and Recruitment Officers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
1225 - Purchasing Agents and Officers	-	-	0%	-	-	0%	-	3	0%	-	3	0%
1241 - Administrative Assistants	-	3	0%	-	-	0%	1	2	50%	1	5	20%
1311 - Accounting technicians and bookkeepers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
1411 - General Office support workers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
1431 - Accounting and Related Clerks	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2113 - Geologists, Geochemists and Geophysicists	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2131 - Civil Engineers	-	1	0%	-	1	0%	1	6	17%	1	8	13%
2132 - Mechanical Engineers	-	3	0%	-	1	0%	-	10	0%	-	14	0%
2133 - Electrical and Electronics Engineers	-	3	0%	-	-	0%	1	7	14%	1	10	10%
2141 - Industrial and Manufacturing Engineers	-	4	0%	-	-	0%	-	4	0%	-	8	0%
2144 - Geological Engineers	-	-	0%	-	-	0%	-	-	0%	-	-	0%

4-Digit NOC Code	C&A			E&D			PM			Total		
	Lab Residents	Total Persons Working in Lab	Lab Residents as % of Total	Lab Residents	Total Persons Working in Lab	Lab Residents as % of Total	Lab Residents	Total Persons Working in Lab	Lab Residents as % of Total	Lab Residents	Total Persons Working in Lab	Lab Residents as % of Total
2147 - Computer Engineers (Except Software Engineers and Designers)	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2148 - Other Professional Engineers, n.e.c.	-	8	0%	-	-	0%	-	5	0%	-	13	0%
2151 - Architects	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2153 - Urban and Land Use Planners	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2154 - Land Surveyors	-	-	0%	-	-	0%	-	2	0%	-	2	0%
2171 - Information Systems Analysts and Consultants	-	-	0%	-	-	0%	1	2	50%	1	2	50%
2221 - Biological Technologists and Technicians	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2231 - Civil Engineering Technologists and Technicians	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2232 - Mechanical Engineering Technologists and Technicians	1	6	17%	-	-	0%	-	1	0%	1	7	14%
2234 - Construction Estimators	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2241 - Electrical and Electronics Engineering Technologists and Technicians	-	1	0%	-	-	0%	4	7	57%	4	8	50%
2243 - Industrial Instrument Technicians and Mechanics	-	2	0%	-	-	0%	-	-	0%	-	2	0%
2251 - Architectural Technologists and Technicians	-	1	0%	-	-	0%	-	-	0%	-	1	0%
2253 - Drafting Technologists and Technicians	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2263 - Inspectors in Public and Environmental Health and Occupational Health and Safety	-	4	0%	1	3	33%	-	8	0%	1	15	7%
2264 - Construction Inspectors	-	-	0%	-	-	0%	-	1	0%	-	1	0%
2271 - Air Pilots, Flight Engineers and Flying Instructors	-	-	0%	-	-	0%	-	-	0%	-	-	0%
3234 - Paramedical Occupations	3	15	20%	-	-	0%	-	-	0%	3	15	20%
4112 - Lawyers and Quebec Notaries	-	-	0%	-	-	0%	-	-	0%	-	-	0%
4161 - Natural and Applied Science Policy Researchers, Consultants and Program Officers	-	-	0%	-	-	0%	-	2	0%	-	2	0%
4162 - Economists and Economic Policy Researchers and Analysts	-	-	0%	-	-	0%	-	-	0%	-	-	0%
4169 - Other Professional Occupations in Social Science, n.e.c.	-	-	0%	-	-	0%	-	-	0%	-	-	0%
4312 - Firefighters	-	4	0%	-	-	0%	-	-	0%	-	4	0%
6313 - Accommodation, travel, tourism and related services supervisors	-	5	0%	-	-	0%	-	-	0%	-	5	0%
6321 - Chefs	-	-	0%	-	-	0%	-	-	0%	-	-	0%
6322 - Cooks	-	5	0%	-	-	0%	-	-	0%	-	5	0%

4-Digit NOC Code	C&A			E&D			PM			Total		
	Lab Residents	Total Persons Working in Lab	Lab Residents as % of Total	Lab Residents	Total Persons Working in Lab	Lab Residents as % of Total	Lab Residents	Total Persons Working in Lab	Lab Residents as % of Total	Lab Residents	Total Persons Working in Lab	Lab Residents as % of Total
6541 - Security Guards and Related security service Occupations	15	32	47%	1	1	100%	-	-	0%	16	33	48%
6711 - Food Counter Attendants, Kitchen Helpers and Related support Occupations	36	56	64%	-	-	0%	-	-	0%	36	56	64%
7201 - Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations	-	3	0%	-	-	0%	-	-	0%	-	3	0%
7202 - Contractors and Supervisors, Electrical Trades and Telecommunications Occupations	-	5	0%	-	-	0%	-	-	0%	-	5	0%
7203 - Contractors and Supervisors, Pipefitting Trades	-	4	0%	-	-	0%	-	-	0%	-	4	0%
7204 - Contractors and Supervisors, Carpentry Trades	-	4	0%	-	-	0%	-	-	0%	-	4	0%
7205 - Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers	-	4	0%	-	-	0%	-	-	0%	-	4	0%
7233 - Sheet Metal Workers	3	29	10%	-	-	0%	-	-	0%	3	29	10%
7234 - Boilermakers	-	1	0%	-	-	0%	-	-	0%	-	1	0%
7236 - Ironworkers	-	4	0%	-	-	0%	-	-	0%	-	4	0%
7237 - Welders and Related Machine Operators	-	3	0%	-	-	0%	-	-	0%	-	3	0%
7242 - Industrial Electricians	13	48	27%	-	-	0%	1	12	8%	14	60	23%
7244 - Electrical Power Line and Cable Workers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7251 - Plumbers	1	2	50%	-	-	0%	-	-	0%	1	2	50%
7252 - Steamfitters, Pipefitters and Sprinkler System Installers	4	24	17%	-	-	0%	-	-	0%	4	24	17%
7271 - Carpenters	6	33	18%	-	-	0%	-	-	0%	6	33	18%
7281 - Bricklayers	-	13	0%	-	-	0%	-	-	0%	-	13	0%
7293 - Insulators	-	7	0%	-	-	0%	-	-	0%	-	7	0%
7294 - Painters and Decorators (except interior decorators)	1	11	9%	-	-	0%	-	-	0%	1	11	9%
7301 - Contractors and supervisors, mechanic trades	-	7	0%	-	-	0%	-	-	0%	-	7	0%
7302 - Contractors and supervisors, heavy equipment operator crews	-	4	0%	-	-	0%	-	-	0%	-	4	0%
7311 - Construction Millwrights and Industrial Mechanics	10	90	11%	-	-	0%	-	-	0%	10	90	11%
7312 - Heavy- Duty Equipment Mechanics	1	3	33%	-	-	0%	-	-	0%	1	3	33%
7371 - Crane Operators	1	5	20%	-	-	0%	-	-	0%	1	5	20%
7372 - Drillers and Blasters - Surface Mining, Quarrying and Construction	-	-	0%	-	-	0%	-	-	0%	-	-	0%

4-Digit NOC Code	C&A			E&D			PM			Total		
	Lab Residents	Total Persons Working in Lab	Lab Residents as % of Total	Lab Residents	Total Persons Working in Lab	Lab Residents as % of Total	Lab Residents	Total Persons Working in Lab	Lab Residents as % of Total	Lab Residents	Total Persons Working in Lab	Lab Residents as % of Total
7384 - Other Trades and Related Occupations, n.e.c.	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7452 - Material Handlers	11	19	58%	-	-	0%	1	2	50%	12	21	57%
7511 - Transport Truck Drivers	4	10	40%	-	-	0%	-	-	0%	4	10	40%
7512 - Bus Drivers, Subway Operators and Other Transit Operators	13	15	87%	-	-	0%	-	-	0%	13	15	87%
7521 - Heavy Equipment Operators (Except Crane)	9	16	56%	-	-	0%	-	-	0%	9	16	56%
7533 - Boat and Cable Ferry Operators and Related Occupations	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7611 - Construction Trades Helpers and Labourers	3	3	100%	-	-	0%	-	-	0%	3	3	100%
7612 - Other Trades Helpers and Labourers	19	25	76%	-	-	0%	-	-	0%	19	25	76%
8211 - Supervisors, Logging and Forestry	-	-	0%	-	-	0%	-	-	0%	-	-	0%
8241 - Logging Machinery Operators	-	-	0%	-	-	0%	-	-	0%	-	-	0%
8616 - Logging and Forestry Labourers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
9241 - Power Engineers and power system operators	-	-	0%	-	-	0%	-	2	0%	-	2	0%
Totals	154	553	28%	2	6	33%	16	93	17%	172	652	26%

Appendix B – Contracts Awarded Since Project Sanction

Table 28- Contracts Awarded Since Project Sanction

Package #	Package Title	Award Date	Successful Bidder(s)
CH0011-002	Civil Works Agreement Intake, Powerhouse, Transition Dams & Spillway – Remaining Construction	15-Feb-19	Pennecon Heavy Civil Limited
CH0031-001	Supply and Install Mechanical and Electrical Auxiliaries (MF)	16-Jun-17	Cahill-Ganotec Joint Venture
CH0052-002	Muskkrat Falls Habitat Compensation Works	18-Aug-16	Johnson's Construction Limited
CH0049-004	Installation of Debris/Ice/Safety Boom	18-Jul-16	Johnson's Construction Limited
CT0327-024	350 kV HVdc Long Range Mountains (LRM) Access Clearing	18-May-16	Mike Kelly & Sons Ltd.
CH0049-003	Fabrication and Supply of Debris, Ice, Safety Boom	7-Apr-16	M&M Offshore Ltd.
CT0327-051	HVdc Clearing – Blocks 17 & 18	01-Apr-16	Springdale Forest Resources Inc.
CD0501-001	Supply and Install Permanent Communication Systems, Optical Transport Network (OTN)	21-Mar-16	Bell Aliant Regional Communications, L.P.
CD0501-004	Transition Compounds – Civil Works	2-Mar-16	Pennecon Heavy Civil Limited
SM0700-024	Transportation of Transmission Line Material (Island of Newfoundland)	07-Jan-16	Hunt's Transport PTL Services / CSL Services Christopher's Trucking Akita Equipment & Auto Transport
CD510-002	Supply and Install Permanent Communications Systems-Prefabricated Buildings	06-Jan-16	Talon Energy Services Inc.
CT0327-017	HVdc Clearing and Access – Blocks 15 & 16	18-Sept-15	Springdale Forest Resources
CH0009-001	Construction of North and South Dams	14-Aug-15	Barnard Pennecon Limited Partnership
CT0342-002	Transmission Line Construction (HVac 230kV Modifications and NL Electrode Line)	11-Aug-15	Locke's Electrical Limited
LC-PM-186	Project Completion System	23-Jun-15	IBS Canada
CD0508	Supply and Install Electrode Sites	02-Mar-15	H.J.O' Connell Construction Ltd.
CT0327-015	HVdc Clearing and Access – Section 1 (Blocks Nos. 9, 10, 11, and 12)	09-Jan-15	Johnson's Construction Limited
CH0008	North Spur Stabilization Works	23-Dec-14	Gilbert Newfoundland & Labrador Contracting Limited
CT0327-014	HVdc Clearing and Access – Section 1 (Blocks Nos. 13 & 14)	19-Dec-14	Springdale Forest Resources Inc.
CT0327-011	HVdc Clearing and Access – Section 1 (Blocks Nos. 7 & Partial 6)	23-Sep-14	C&T Enterprises Ltd.
CT0327-013	HVdc Clearing and Access-Section 1 (Blocks 4, 5 and 6)	2-Sep-14	Johnson's Construction Limited
CD0502	Construction of AC Substations	22-Aug-14	Alstom Grid Canada, Inc.
CT0342	Construction of AC Transmission Lines – Island	19-Aug-14	Locke's Electrical Limited
CD0534	Supply & Install Synchronous Condensers at Soldiers Pond	15-Aug-14	ALSTOM Renewable Power Canada Inc.
CT0327	Construction of 350kV HVdc Transmission Line	8-Aug-14	Valard Construction LP
PH0015	Supply of Isolated Phase Bus	25-Jul-14	Alfa Standard s.p.a
CT0327-010	HVdc Clearing and Access-Section 1	22-Jul-14	Springdale Forest Resources
CD0501	Supply & Install Converters and Cable Transition Compounds	19-Jun-14	Alstom Grid Canada Inc.

Package #	Package Title	Award Date	Successful Bidder(s)
PT0331	Supply of Tower Hardware 450 kV HVdc	28-May-14	Slacan Industries Performed Line Products Limited
CH0034	Supply & Install Powerhouse Elevator	29-Apr-14	Thyssen Krupp Elevator
PT0353	Supply of Optical ground Wire (OPGW) 350 kV HVdc	16-Apr-14	Suzhou Furukawa Power Optic Cable Co.
PT0334	Supply of Steel Wires – 350 kV HVdc	14-Apr-14	Wire Rope Industries Ltd.
SD0564	Provision of Camp Services (CF)	8-Apr-14	Labrador Catering Ltd. Partnership
SH0041	Provision of Ground Transportation Services (HVGB-MF)	14-Mar-14	PENCAL Supplies Ltd & SBH Enterprises Inc., A Joint Venture
LC-SB-011	Subsea Rock Protection Design, Supply and Installation	7-Mar-14	Tideway (Luxembourg) S.A.
SM0709	Provision of Air Transportation	10-Feb-14	Innu Mikun Ltd. Partnership and PAL Airlines
SM0705	Provision of Laboratory Services	10-Feb-14	AMEC Americas Limited
PH0014	Supply of Generator Step-Up Transformers	10-Feb-14	ABB Inc.
PD0537	Supply of Power Transformers, AC Substations at CF, MF and SP	10-Feb-14	ABB Inc.
SH0040	Provision of Garbage Removal and Disposal Services (MF)	23-Jan-14	Pardy's Waste Management & Industrial Services
PH0016	Supply of Generator Circuit Breakers	17-Jan-14	ABB Inc.
PT0328	Supply of Transmission Line Conductors-350 kV HVdc	2-Jan-14	General Cable Company Ltd. and Midal Cables Ltd.
PT0356	Stockbridge Dampers	20-Dec-13	Performed Line Products (Canada) Ltd.
PT0308	Supply of Steel Tower Foundations 350kV HVdc	20-Dec-13	Locweld Inc.
CH0032	Supply & Install Powerhouse & Spillway Hydro-Mechanical Equipment	19-Dec-13	Andritz Hydro Canada Inc.
PT0352	Supply of Anchor Materials 350 kV HVdc	18-Dec-13	Williams Form Hardware & Rockbolt (Canada) Ltd.
CT0319	AC Transmission Line Construction	17-Dec-13	Valard Construction LP
SH0018	Camp Catering, Housekeeping and Janitorial Services	16-Dec-13	Labrador Catering Limited Partnership
LC-SB-034	Conduit End Exit Verification	13-Dec-13	DOF Subsea Canada
CH0033	Supply & Install Powerhouse Cranes	9-Dec-13	Groupe LAR Inc.
LC-SB-027	Supply of Casing	4-Dec-13	East Coast Tubulars Ltd.
CH0007	Construction of Intake and Powerhouse Spillway and Transition Dams	29-Nov-13	Astaldi S.p.A
SH0022	Provision of Fuel Supply & Dispensing Services	18-Nov-13	Woodward's Oil Limited and Utapan Fuels Limited, a Joint Venture
CT0341	Clearing of Right Of Way for 315kV HVac Transmission Line (MF to CF)	15-Nov-13	Great Western Forestry Inc.
LC-SB-026	Drill Bits and Tooling	14-Nov-13	HALLIBURTON Dreco Energy Baker Hughes Canada Smith Bits A Schlumberger Company
LC-SB-036	Conduit End Connection	12-Nov-13	Kongsberg Oil and Gas Technologies
CD0503-002	Construction of Earthworks at Soldier's Pond	18-Oct-13	H.J. O'Connell
PT0330	Supply of Steel Towers-350 kV HVdc	10-Oct-13	Jyoti Amercias LLC
SM0700	Provision of Freight Forwarding Services	3-Oct-13	Panalpina Inc., Panprojects Division
LC-SB-023	Drilling Fluids Services for HDD Program	6-Sep-13	M-I SWACO, a Division of Schlumberger Canada Limited

Package #	Package Title	Award Date	Successful Bidder(s)
LC-SB-024	Directional Services for HDD Program	6-Sep-13	Baker Hughes Canada Company
CD0503-001	Construction of Earthworks at Churchill Falls	5-Sep-13	Johnson's Construction Limited
LC-SB-021	Civil Works-SOBI	22-Aug-13	C&T Enterprises Limited
PH0058	Supply of 600 V Switchgear	25-Jul-13	ABB Inc.
PT0329	Supply of Insulators 350 kV HVdc	22-Jul-13	Seves Canada Inc.
CH0003	Supply and Install Administrative Buildings	19-Jul-13	Opron Construction Inc.
LC-SB-022	Provision of Drilling Rig and Surface Spread for HDD Program	19-Jul-13	Direct Horizontal Drilling Inc.
CT0354	HVAC Marshalling Yard Civil and Electrical Works	17-Jul-13	Johnson's Construction Limited
ST0311	Provision of Survey Services (315) kV HVac	10-Jul-13	MMM Group Limited & N.E. Parrott Surveys Limited, a joint venture
SM0704	Provision of Surveying Services	14-Jun-13	Edwards & Associates Ltd.
SD0565	Provision of Geotech Investigation Shoreline Pond Electrodes	6-Jun-13	Stantec Consulting Ltd.
PT0335	Supply of Anchor Materials – 315 kV HVac	22-Oct-13	Williams Form Hardware & Rockbolt (Canada) Ltd.
CH0024	Construction of Reservoir Clearing North Bank	25-Apr-13	Johnson Construction Ltd.
PT0303	Supply of Hardware 315 kV HVac	17-Apr-13	Mosdorfer GmbH (Austria)
PT0300	Supply of Transmission Line Conductors 315 kV HVac	5-Apr-13	Midal Cables Ltd.
SM0713	Provision of Geotechnical Investigation Services	27-Mar-13	AMEC Environment & Infrastructure
SM0701	Provision of 3rd Party Quality Surveillance and Inspection Services	18-Mar-13	SGS Canada Inc. Killick Group Ltd. GL Noble Denton Canada Ltd Moody International Ltd.
PT0307	Supply of Tower Foundations-315 kV HVac	5-Mar-13	Fabrimet
PT0302	Tower Steels for AC Lines	6-Feb-13	ŞA-RA Energy, Construction, Trade and Industry Inc.
PT0326	Supply of Steel Wires-315 kV HVac	28-Jan-13	Graybar Canada
PT0304	Optical Ground Wire Conductors (OPGW) 315 kV HVac	25-Jan-13	PT0304-001 Mosdorfer North Caroline Inc. PT0304--002 Suzhou Furukawa Power Optic Canada Inc.
PT0301	Supply of Insulators 315 kV HVac	18-Jan-13	Seves Canada Inc.
SH0054	Temporary Site Services	10-Jan-13	Labrador Catering Limited Partnership
CH0030	Turbines and Generators	2-Jan-13	Andritz Hydro Canada Inc.
LC-SB-003	Submarine Cable Design, Supply and Install	29-Nov-12	Nexans Norway AS

Package #	Package Title	Award Date	Successful Bidder(s)
LC-SB-018	Provision of Third Party Equipment, Manufacturing, Supply, and Installation Surveillance Service	27-Nov-12	Lloyd's Register North America Spectrol Group
CH0006	Bulk Excavation Works	6-Nov-12	IKC-ONE Earthworks Constructors, a Partnership
SH0019	Provision of Security Services	1-Nov-12	Speuata Security Inc.
SH0020	Provision of Medical Services	1-Nov-12	Innu - Med Inc.
CH0002	Supply and Install Accommodations Complex Buildings	22-Oct-12	Liannu Limited Partnership
PH0038	Supply of Emergency Diesel Generator	12-Oct-12	Toromont CAT, a division of Toromont industries Ltd
LC-SB-017	Ocean Characteristic Monitoring and MetOcean Report	13-Sep-12	AMEC Environment & Infrastructure A Division of AMEC Americas
PH0036	Supply of Auxiliary Transformers	13-Aug-12	MVA Power
CD0512	Construction Contract for Construction Power	20-Jun-12	G.J. Cahill & Company Ltd.
CH0004	Southside Access Road	25-Oct-12	Liannu
CH0048	Site Clearing Access Road & Ancillary Areas	20-Apr-12	Nukum Forestry Ltd
PD0522	Pre-Fabricated Control Room Building	11-Apr-12	Automatisation Grimard Inc.
PD0531	MV Instrument Transformer (Combined CT&PT Unit)	19-Mar-12	ABB Inc.
PD0515	138 kV and 25 kV Disconnect Switches (with and without ground switches)	13-Feb-12	Alstom Grid
PD0514	135 kV and 25 kV Circuit Breakers (dead tank type)	6-Feb-12	Alstom Grid Via Power Systems Consulting
PD0518	138 kV Capacitor Voltage Transformers (CVTs)	6-Feb-12	Alstom Grid Via Power Systems Consulting
PD0519	25 kV Vacuum Interrupters	6-Feb-12	Siemens Canada Limited
PD0520	25 kV 6x4 MVAR Capacitor Banks	6-Feb-12	ABB
PD0529	25 kV Reclosers	6-Feb-12	Siemens Canada Limited
PD0530	138 kV and 25 kV Class Surge Arresters	6-Feb-12	Graybar Canada
PD0523	Substation Service Transformers	19-Jan-12	Carte International Inc
LCP 00728	Web-Based Employment and Expenditure Tracking and Reporting Software	22-Aug-11	SCI Resource Software Inc.
LC-SB-002	Iceberg Tracking Program	19-Aug-11	Provincial Aerospace LTD. (PAL)
LC-SB-007	2011 HDD Pilot Bore Field Investigation Program	19-Aug-11	Mears Canada Corp.